BASIN Q3	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	63.2	75	4740	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	18.8	79	1485.2	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	18	92	1656	0	94	0	0	95	0
SUM	0		0	100		7881.2	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**78.812**									

BASIN Q4	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	5.6	75	420	0	83	0	0	87	0
<=1/8	0	77	0	67.6	85	5746	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	26.8	92	2465.6	0	94	0	0	95	0
SUM	0		0	100		8631.6	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**86.316**									

BASIN Q5	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	100	75	7500	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		7500	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**75**									

BASIN Q6	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	21.8	75	1635	0	83	0	0	87	0
<=1/8	0	77	0	4.9	85	416.5	0	90	0	2.1	92	193.2
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	68.3	92	6283.6	0	94	0	2.9	95	275.5
SUM	0		0	95		8335.1	0		0	5		468.7
% Basin Area			100									
WEIGHTED CN			**88.038**									

BASIN Q7	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	1.6	61	97.6	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	30.6	75	2295	0	83	0	33.5	87	2914.5
<=1/8	0	77	0	25.9	85	2201.5	0	90	0	6.3	92	579.6
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	2.1	92	193.2	0	94	0	0	95	0
SUM	0		0	60.2		4787.3	0		0	39.8		3494.1
% Basin Area			100									
WEIGHTED CN			**82.814**									

BASIN Q8	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	55.2	75	4140	0	83	0	0	87	0
<=1/8	0	77	0	19.1	85	1623.5	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	24.1	92	2217.2	0	94	0	0	95	0
SUM	0		0	98.4		7980.7	0		0	0		0
% Basin Area			98.4									
WEIGHTED CN			**81.105**									

BASIN S1	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	76	75	5700	0	83	0	0	87	0
<=1/8	0	77	0	13.8	85	1173	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	10.2	92	938.4	0	94	0	0	95	0
SUM	0		0	100		7811.4	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**78.114**									

BASIN S2	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	36.4	75	2730	0	83	0	0	87	0
<=1/8	0	77	0	41.7	85	3544.5	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	21.9	92	2014.8	0	94	0	0	95	0
SUM	0		0	100		8289.3	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**82.893**									

BASIN S3	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	57.8	75	4335	0	83	0	0	87	0
<=1/8	0	77	0	32.2	85	2737	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	10	92	920	0	94	0	0	95	0
SUM	0		0	100		7992	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**79.92**									

BASIN T1A	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	41.2	75	3090	0	83	0	0	87	0
<=1/8	0	77	0	30.2	85	2567	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	28.6	92	2631.2	0	94	0	0	95	0
SUM	0		0	100		8288.2	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**82.882**									

BASIN T1B	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	85.9	75	6442.5	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	14.1	92	1297.2	0	94	0	0	95	0
SUM	0		0	100		7739.7	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**77.397**									

BASIN T2	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	73.3	68	4984.4	0	79	0	0	84	0
1/8 - 1/2	0	61	0	13.5	75	1012.5	0	83	0	0	87	0
<=1/8	0	77	0	1.4	85	119	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	5.6	92	515.2	0	94	0	0	95	0
SUM	0		0	93.8		6631.1	0		0	0		0
% Basin Area			93.8									
WEIGHTED CN			**70.694**									

BASIN T3	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	27.5	68	1870	0	79	0	0	84	0
1/8 - 1/2	0	61	0	72.5	75	5437.5	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC. A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		7307.5	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**73.075**									

BASIN T4A	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	17.3	68	1176.4	5.1	79	402.9	0	84	0
1/8 - 1/2	0	61	0	41.2	75	3090	23.1	83	1917.3	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC. A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	13.3	92	1223.6	0	94	0	0	95	0
SUM	0		0	71.8		5490	28.2		2320.2	0		0
% Basin Area			100									
WEIGHTED CN			**78.102**									

BASIN T4B	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	2.9	68	197.2	31.7	79	2504.3	0	84	0
1/8 - 1/2	0	61	0	10.8	75	810	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC. A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	54.6	92	5023.2	0	94	0	0	95	0
SUM	0		0	68.3		6030.4	31.7		2504.3	0		0
% Basin Area			100									
WEIGHTED CN			**85.347**									

BASIN V1	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	35.2	75	2640	0	83	0	39.2	87	3410.4
<=1/8	0	77	0	11.3	85	960.5	0	90	0	1.6	92	147.2
SC. A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	1.7	92	156.4	11	94	1034	0	95	0
SUM	0		0	48.2		3756.9	11		1034	40.8		3557.6
% Basin Area			100									
WEIGHTED CN			**83.485**									

EXISTING LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN V2	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0.7	75	52.5	0	83	0	0	87	0
<=1/8	0	77	0	10.9	85	926.5	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	4.5	92	414	83.9	94	7886.6	0	95	0
SUM	0		0	16.1		1393	83.9		7886.6	0		0
% Basin Area			100									
WEIGHTED CN			**92.796**									

BASIN W1	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	51.4	75	3855	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	9.5	88	836	0	91	0	6.3	93	585.9
COM/BUS	0	89	0	32.8	92	3017.6	0	94	0	0	95	0
SUM	0		0	93.7		7708.6	0		0	6.3		585.9
% Basin Area			100									
WEIGHTED CN			**82.945**									

BASIN W2	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	93.9	88	8263.2	0	91	0	6.1	93	567.3
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	93.9		8263.2	0		0	6.1		567.3
% Basin Area			100									
WEIGHTED CN			**88.305**									

BASIN W3	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	9.2	88	809.6	0.7	91	63.7	0.6	93	55.8
COM/BUS	0	89	0	37.9	92	3486.8	51.6	94	4850.4	0	95	0
SUM	0		0	47.1		4296.4	52.3		4914.1	0.6		55.8
% Basin Area			100									
WEIGHTED CN			**92.663**									

SCS Curve Number Calculations
Future Land Use Conditions

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN A1	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	100	61	6100	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		6100	0		0	0		0
% Basin Area			100									
WEIGHTED CN			61									

BASIN A2	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	100	61	6100	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		6100	0		0	0		0
% Basin Area			100									
WEIGHTED CN			61									

BASIN A3	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	100	61	6100	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		6100	0		0	0		0
% Basin Area			100									
WEIGHTED CN			61									

BASIN A4	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	100	61	6100	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		6100	0		0	0		0
% Basin Area			100									
WEIGHTED CN			61									

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN A5	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	100	61	6100	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		6100	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**61**									

BASIN A6	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	100	61	6100	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		6100	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**61**									

BASIN A7	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	100	61	6100	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		6100	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**61**									

BASIN A8	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	100	61	6100	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		6100	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**61**									

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN A9	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	100	61	6100	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		6100	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**61**									

BASIN A10	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	100	61	6100	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		6100	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**61**									

BASIN A11	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	100	61	6100	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		6100	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**61**									

BASIN A12	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	100	61	6100	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		6100	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**61**									

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN A13	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	100	61	6100	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		6100	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**61**									

BASIN B1	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	76	61	4636	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	24	68	1632	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		6268	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**62.68**									

BASIN B2	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	55	68	3740	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	12	85	1020	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	33	92	3036	0	94	0	0	95	0
SUM	0		0	100		7796	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**77.96**									

BASIN B3	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	22	68	1496	0	79	0	0	84	0
1/8 - 1/2	0	61	0	64	75	4800	0	83	0	0	87	0
<=1/8	0	77	0	14	85	1190	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		7486	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**74.86**									

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN B4	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	22	68	1496	0	79	0	0	84	0
1/8 - 1/2	0	61	0	68	75	5100	10	83	830	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	90		6596	10		830	0		0
% Basin Area			100									
WEIGHTED CN			**74.26**									

BASIN B5	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	49	75	3675	0	83	0	0	87	0
<=1/8	0	77	0	19	85	1615	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	32	92	2944	0	94	0	0	95	0
SUM	0		0	100		8234	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**82.34**									

BASIN B6	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	69	75	5175	0	83	0	0	87	0
<=1/8	0	77	0	21	85	1785	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	10	92	920	0	94	0	0	95	0
SUM	0		0	100		7880	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**78.8**									

BASIN B7	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	3.4	61	207.4	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	66.2	75	4965	16.9	83	1402.7	0	87	0
<=1/8	0	77	0	7.1	85	603.5	3	90	270	0	92	0
SC, A.F.	0	68	0	3.4	79	268.6	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	80.1		6044.5	19.9		1672.7	0		0
% Basin Area			100									
WEIGHTED CN			**77.172**									

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN B8	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	61.3	75	4597.5	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	38.7	92	3560.4	0	94	0	0	95	0
SUM	0		0	100		8157.9	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**81.579**									

BASIN B9	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	16.2	75	1215	83.8	83	6955.4	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	16.2		1215	83.8		6955.4	0		0
% Basin Area			100									
WEIGHTED CN			**81.704**									

BASIN C1	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	81.7	61	4983.7	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	6.1	68	414.8	0	79	0	0	84	0
1/8 - 1/2	0	61	0	12.2	75	915	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		6313.5	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**63.135**									

Use URS Value: 67.5

BASIN C2	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	100	61	6100	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		6100	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**61**									

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN C3	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	78.6	61	4794.6	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	4.1	68	278.8	0	79	0	0	84	0
1/8 - 1/2	0	61	0	17.3	75	1297.5	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		6370.9	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**63.709**									

BASIN C4	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	63.1	61	3849.1	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	3.9	68	265.2	0	79	0	0	84	0
1/8 - 1/2	0	61	0	31.7	75	2377.5	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	1.3	79	102.7	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		6594.5	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**65.945**									

BASIN C5	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	31	61	1891	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	31.3	68	2128.4	0	79	0	0	84	0
1/8 - 1/2	0	61	0	37.7	75	2827.5	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		6846.9	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**68.469**									

BASIN C6	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	49.9	75	3742.5	0	83	0	0	87	0
<=1/8	0	77	0	42.6	85	3621	0	90	0	0	92	0
SC, A.F.	0	68	0	7.5	79	592.5	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		7956	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**79.56**									

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN C7	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	2.9	61	176.9	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0.7	68	47.6	0	79	0	0	84	0
1/8 - 1/2	0	61	0	25.7	75	1927.5	0	83	0	0	87	0
<=1/8	0	77	0	16	85	1360	0	90	0	0	92	0
SC, A.F.	0	68	0	54.7	79	4321.3	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		7833.3	0		0	0		0
% Basin Area			100									
WEIGHTED CN			78.333									

BASIN C8	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	12.3	68	836.4	0	79	0	0	84	0
1/8 - 1/2	0	61	0	44	75	3300	4.2	83	348.6	0	87	0
<=1/8	0	77	0	19.9	85	1691.5	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	19.5	92	1794	0	94	0	0	95	0
SUM	0		0	95.7		7621.9	4.2		348.6	0		0
% Basin Area			99.9									
WEIGHTED CN			79.785									

BASIN C9	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	61.7	75	4627.5	0	83	0	0	87	0
<=1/8	0	77	0	19.3	85	1640.5	3	90	270	0	92	0
SC, A.F.	0	68	0	16	79	1264	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	97		7532	3		270	0		0
% Basin Area			100									
WEIGHTED CN			78.02									

BASIN C10	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	82.1	75	6157.5	8.4	83	697.2	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	9.5	79	750.5	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	91.6		6908	8.4		697.2	0		0
% Basin Area			100									
WEIGHTED CN			76.052									

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN C11	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	40.2	75	3015	47	83	3901	0	87	0
<=1/8	0	77	0	3.6	85	306	9.2	90	828	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	43.8		3321	56.2		4729	0		0
% Basin Area			100									
WEIGHTED CN			**80.5**									

BASIN C12	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	76	75	5700	24	83	1992	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	76		5700	24		1992	0		0
% Basin Area			100									
WEIGHTED CN			**76.92**									

Use URS Value: 81.2

BASIN C13	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	46.8	61	2854.8	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	44.6	68	3032.8	0	79	0	0	84	0
1/8 - 1/2	0	61	0	6.3	75	472.5	0	83	0	0	87	0
<=1/8	0	77	0	2.3	85	195.5	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		6555.6	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**65.556**									

Use URS Value: 69.8

BASIN C14	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	100	75	7500	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		7500	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**75**									

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN C15	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	68.3	75	5122.5	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	31.7	79	2504.3	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		7626.8	0		0	0		0
% Basin Area			100									
WEIGHTED CN			76.268									

BASIN C16	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	88.3	75	6622.5	0	83	0	0	87	0
<=1/8	0	77	0	11.7	85	994.5	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		7617	0		0	0		0
% Basin Area			100									
WEIGHTED CN			76.17									

BASIN C17	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	78.6	75	5895	0	83	0	0	87	0
<=1/8	0	77	0	21.4	85	1819	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		7714	0		0	0		0
% Basin Area			100									
WEIGHTED CN			77.14									

BASIN C18	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	98.8	75	7410	0	83	0	0	87	0
<=1/8	0	77	0	1.2	85	102	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		7512	0		0	0		0
% Basin Area			100									
WEIGHTED CN			75.12									

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN C19	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	91.4	75	6855	0	83	0	0	87	0
<=1/8	0	77	0	8.6	85	731	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		7586	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**75.86**									

BASIN C20	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	52.2	75	3915	20.9	83	1734.7	0	87	0
<=1/8	0	77	0	22.9	85	1946.5	4	90	360	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	75.1		5861.5	24.9		2094.7	0		0
% Basin Area			100									
WEIGHTED CN			**79.562**									

BASIN D1	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	***100***	83	8300	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	0		0	100		8300	0		0
% Basin Area			100									
WEIGHTED CN			***83***									

BASIN D2	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	5.4	75	405	75.1	83	6233.3	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	19.5	94	1833	0	95	0
SUM	0		0	5.4		405	94.6		8066.3	0		0
% Basin Area			100									
WEIGHTED CN			**84.713**									

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN	Hydrologic Soil Group											
D3A	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	49.6	92	4563.2	50.4	94	4737.6	0	95	0
SUM	0		0	49.6		4563.2	50.4		4737.6	0		0
% Basin Area			100									
WEIGHTED CN			93.008									

Basin Area Changed; Curve Number Unchanged

BASIN	Hydrologic Soil Group											
D4	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	20.6	75	1545	9.2	83	763.6	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	25.7	88	2261.6	6.6	91	600.6	0	93	0
COM/BUS	0	89	0	37.9	92	3486.8	0	94	0	0	95	0
SUM	0		0	84.2		7293.4	15.8		1364.2	0		0
% Basin Area			100									
WEIGHTED CN			86.576									

BASIN	Hydrologic Soil Group											
D5	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	5.8	88	510.4	0	91	0	0	93	0
COM/BUS	0	89	0	94.2	92	8666.4	0	94	0	0	95	0
SUM	0		0	100		9176.8	0		0	0		0
% Basin Area			100									
WEIGHTED CN			91.768									

BASIN	Hydrologic Soil Group											
E1	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	28.3	68	1924.4	0	79	0	0	84	0
1/8 - 1/2	0	61	0	71.7	75	5377.5	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		7301.9	0		0	0		0
% Basin Area			100									
WEIGHTED CN			73.019									

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN E2	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	7.9	75	592.5	0	83	0	0	87	0
<=1/8	0	77	0	16.5	85	1402.5	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	75.6	92	6955.2	0	94	0	0	95	0
SUM	0		0	100		8950.2	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**89.502**									

BASIN E3	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	35.7	75	2677.5	0	83	0	0	87	0
<=1/8	0	77	0	17.6	85	1496	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	46.7	92	4296.4	0	94	0	0	95	0
SUM	0		0	100		8469.9	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**84.699**									

BASIN E4	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	33.9	61	2067.9	12	74	888	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	19	85	1615	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	35.1	92	3229.2	0	94	0	0	95	0
SUM	0		0	88		6912.1	12		888	0		0
% Basin Area			100									
WEIGHTED CN			**78.001**									

BASIN E5	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	24.6	75	1845	0	83	0	0	87	0
<=1/8	0	77	0	42.3	85	3595.5	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	33.1	92	3045.2	0	94	0	0	95	0
SUM	0		0	100		8485.7	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**84.857**									

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN E6	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	10.4	61	634.4	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	89.6	75	6720	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		7354.4	0		0	0		0
% Basin Area			100									
WEIGHTED CN			73.544									

BASIN E7	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	14.1	61	860.1	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	22.2	85	1887	25.3	90	2277	0	92	0
SC, A.F.	0	68	0	25	79	1975	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	8.9	92	818.8	4.5	94	423	0	95	0
SUM	0		0	70.2		5540.9	29.8		2700	0		0
% Basin Area			100									
WEIGHTED CN			82.409									

BASIN E8	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	33.9	75	2542.5	0	83	0	0	87	0
<=1/8	0	77	0	25.2	85	2142	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	40.9	92	3762.8	0	94	0	0	95	0
SUM	0		0	100		8447.3	0		0	0		0
% Basin Area			100									
WEIGHTED CN			84.473									

BASIN E9	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	79.7	75	5977.5	0	83	0	0	87	0
<=1/8	0	77	0	20.3	85	1725.5	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		7703	0		0	0		0
% Basin Area			100									
WEIGHTED CN			77.03									

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN E10	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	72.8	75	5460	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	27.2	79	2148.8	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		7608.8	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**76.088**									

BASIN E11	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	96.1	75	7207.5	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	3.9	92	358.8	0	94	0	0	95	0
SUM	0		0	100		7566.3	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**75.663**									

BASIN F1	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	67.5	75	5062.5	0	83	0	0	87	0
<=1/8	0	77	0	11.2	85	952	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	20.9	92	1922.8	0	94	0	0	95	0
SUM	0		0	99.6		7937.3	0		0	0		0
% Basin Area			99.6									
WEIGHTED CN			**79.692**									

BASIN G1	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	13	61	793	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	18.8	75	1410	10.2	83	846.6	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	7.3	79	576.7	2.7	86	232.2	0	89	0
IND/GOV	0	81	0	19.5	88	1716	28.5	91	2593.5	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	58.6		4495.7	41.4		3672.3	0		0
% Basin Area			100									
WEIGHTED CN			**81.68**									

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN G2	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	20.5	61	1250.5	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	79.5	79	6280.5	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		7531	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**75.31**									

BASIN G3	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	2.6	61	158.6	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	39.9	75	2992.5	53.2	83	4415.6	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	4.3	86	369.8	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	42.5		3151.1	57.5		4785.4	0		0
% Basin Area			100									
WEIGHTED CN			**79.365**									

BASIN G4	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	14.5	75	1087.5	14	83	1162	0	87	0
<=1/8	0	77	0	22.5	85	1912.5	4	90	360	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	24.5	92	2254	20.5	94	1927	0	95	0
SUM	0		0	61.5		5254	38.5		3449	0		0
% Basin Area			100									
WEIGHTED CN			**87.03**									

BASIN G5	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	86.6	75	6495	0	83	0	0	87	0
<=1/8	0	77	0	13.4	85	1139	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		7634	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**76.34**									

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN G6	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	91.3	75	6847.5	0	83	0	0	87	0
<=1/8	0	77	0	8.7	85	739.5	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		7587	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**75.87**									

Avg. with URS Value (80.4): 78.14

BASIN G7	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	85	75	6375	0	83	0	0	87	0
<=1/8	0	77	0	2.4	85	204	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	12.6	92	1159.2	0	94	0	0	95	0
SUM	0		0	100		7738.2	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**77.382**									

BASIN G8	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	58.2	75	4365	0	83	0	0	87	0
<=1/8	0	77	0	28.6	85	2431	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	13.2	92	1214.4	0	94	0	0	95	0
SUM	0		0	100		8010.4	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**80.104**									

BASIN H1	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	32.4	85	2754	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	67.6	88	5948.8	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		8702.8	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**87.028**									

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN H2	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	100	88	8800	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		8800	0		0	0		0
% Basin Area			100									
WEIGHTED CN			88									

BASIN H3	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	96.5	75	7237.5	0	83	0	0	87	0
<=1/8	0	77	0	3.5	85	297.5	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		7535	0		0	0		0
% Basin Area			100									
WEIGHTED CN			75.35									

Use URS Value: 80.2

BASIN H4	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	99.5	75	7462.5	0	83	0	0	87	0
<=1/8	0	77	0	0.5	85	42.5	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		7505	0		0	0		0
% Basin Area			100									
WEIGHTED CN			75.05									

Avg. with URS Value (80.0): 77.5

BASIN *H5A*	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	*78.1*	61	4764.1	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	*21.9*	92	2014.8	0	94	0	0	95	0
SUM	0		0	100		6778.9	0		0	0		0
% Basin Area			100									
WEIGHTED CN			*67.79*									

Land Use Changed; Basin Area Changed

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN H6	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	***79.9***	61	4873.9	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	***20.1***	92	1849.2	0	94	0	0	95	0
SUM	0		0	100		6723.1	0		0	0		0
% Basin Area			100									
WEIGHTED CN			***67.23***									

Land Use Changed

BASIN H7	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	***5.3***	61	323.3	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	***9.8***	75	735	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	***84.8***	92	7801.6	0	94	0	0	95	0
SUM	0		0	99.9		8859.9	0		0	0		0
% Basin Area			99.9									
WEIGHTED CN			***88.69***									

Land Use Changed

BASIN *H8A*	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	6.4	61	390.4	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	61.5	75	4612.5	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	10.3	79	813.7	0	86	0	0	89	0
IND/GOV	0	81	0	21.8	88	1918.4	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		7735	0		0	0		0
% Basin Area			100									
WEIGHTED CN			***77.35***									

Land Use Changed; Basin Split

BASIN *H8B*	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	100	75	7500	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		7500	0		0	0		0
% Basin Area			100									
WEIGHTED CN			***75***									

Land Use Changed; Basin Split

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN H9	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	94.8	75	7110	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	5.2	79	410.8	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		7520.8	0		0	0		0
% Basin Area			100									
WEIGHTED CN			75.208									

Use URS Value: 80.3

BASIN H10	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	36	75	2700	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	40.9	79	3231.1	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	23.1	92	2125.2	0	94	0	0	95	0
SUM	0		0	100		8056.3	0		0	0		0
% Basin Area			100									
WEIGHTED CN			80.563									

Use URS Value: 84.8

BASIN H11	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	100	92	9200	0	94	0	0	95	0
SUM	0		0	100		9200	0		0	0		0
% Basin Area			100									
WEIGHTED CN			92									

BASIN H12	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	54.2	75	4065	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	45.8	92	4213.6	0	94	0	0	95	0
SUM	0		0	100		8278.6	0		0	0		0
% Basin Area			100									
WEIGHTED CN			82.786									

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN H13	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	43.1	75	3232.5	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	56.9	92	5234.8	0	94	0	0	95	0
SUM	0		0	100		8467.3	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**84.673**									

BASIN H14	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	10.5	75	787.5	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	89.5	92	8234	0	94	0	0	95	0
SUM	0		0	100		9021.5	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**90.215**									

BASIN H15	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	40.4	88	3555.2	0	91	0	0	93	0
COM/BUS	0	89	0	59.6	92	5483.2	0	94	0	0	95	0
SUM	0		0	100		9038.4	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**90.384**									

BASIN H16	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	59.1	75	4432.5	0	83	0	0	87	0
<=1/8	0	77	0	15.1	85	1283.5	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	25.8	92	2373.6	0	94	0	0	95	0
SUM	0		0	100		8089.6	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**80.896**									

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN H17	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	81.4	75	6105	0	83	0	0	87	0
<=1/8	0	77	0	14.3	85	1215.5	0	90	0	0	92	0
SC. A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	4.3	92	395.6	0	94	0	0	95	0
SUM	0		0	100		7716.1	0		0	0		0
% Basin Area			100									
WEIGHTED CN			77.161									

Use URS Value: 81.2

BASIN H18	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	89.4	75	6705	0	83	0	0	87	0
<=1/8	0	77	0	3.6	85	306	0	90	0	0	92	0
SC. A.F.	0	68	0	7	79	553	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		7564	0		0	0		0
% Basin Area			100									
WEIGHTED CN			75.64									

Use URS Value: 80.5

BASIN H19	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	25.8	61	1573.8	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	13.2	75	990	0	83	0	0	87	0
<=1/8	0	77	0	49.6	85	4216	0	90	0	0	92	0
SC. A.F.	0	68	0	7.7	79	608.3	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	3.7	92	340.4	0	94	0	0	95	0
SUM	0		0	100		7728.5	0		0	0		0
% Basin Area			100									
WEIGHTED CN			77.285									

BASIN H20	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	71.4	61	4355.4	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	28.6	75	2145	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC. A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		6500.4	0		0	0		0
% Basin Area			100									
WEIGHTED CN			65.004									

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN H21	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	100	92	9200	0	94	0	0	95	0
SUM	0		0	100		9200	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**92**									

BASIN H22	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	87	88	7656	6.2	91	564.2	0	93	0
COM/BUS	0	89	0	3.3	92	303.6	3.5	94	329	0	95	0
SUM	0		0	90.3		7959.6	9.7		893.2	0		0
% Basin Area			100									
WEIGHTED CN			**88.528**									

BASIN H23	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	31.4	61	1915.4	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	14.9	75	1117.5	0	83	0	0	87	0
<=1/8	0	77	0	53.7	85	4564.5	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		7597.4	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**75.974**									

BASIN J1	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	51.9	75	3892.5	0	83	0	0	87	0
<=1/8	0	77	0	44	85	3740	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	4.1	92	377.2	0	94	0	0	95	0
SUM	0		0	100		8009.7	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**80.097**									

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN J2	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	97.8	88	8606.4	0	91	0	2.2	93	204.6
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	97.8		8606.4	0		0	2.2		204.6
% Basin Area			100									
WEIGHTED CN			88.11									

BASIN J3	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	84.6	88	7444.8	0	91	0	15.4	93	1432.2
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	84.6		7444.8	0		0	15.4		1432.2
% Basin Area			100									
WEIGHTED CN			88.77									

BASIN K1	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	*84.3*	85	7165.5	*15.7*	90	1413	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	84.3		7165.5	15.7		1413	0		0
% Basin Area			100									
WEIGHTED CN			*85.79*									

BASIN K2	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	24.5	75	1837.5	65.1	83	5403.3	0	87	0
<=1/8	0	77	0	7.7	85	654.5	2.7	90	243	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	32.2		2492	67.8		5646.3	0		0
% Basin Area			100									
WEIGHTED CN			81.383									

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN K3	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	37.3	75	2797.5	0	83	0	0	87	0
<=1/8	0	77	0	16.9	85	1436.5	0	90	0	0	92	0
SC, A.F.	0	68	0	22.3	79	1761.7	6.9	86	593.4	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	16.6	92	1527.2	0	94	0	0	95	0
SUM	0		0	93.1		7522.9	6.9		593.4	0		0
% Basin Area			100									
WEIGHTED CN			**81.163**									

Avg. with URS Value (84.6): 82.9

BASIN K4	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	7.8	61	475.8	0	74	0	10	80	800
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	24.7	75	1852.5	10.2	83	846.6	17.4	87	1513.8
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	12.7	92	1168.4	0	94	0	17.2	95	1634
SUM	0		0	45.2		3496.7	10.2		846.6	44.6		3947.8
% Basin Area			100									
WEIGHTED CN			**82.911**									

BASIN L1	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	66.9	75	5017.5	31.9	83	2647.7	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	1.2	92	110.4	0	94	0	0	95	0
SUM	0		0	68.1		5127.9	31.9		2647.7	0		0
% Basin Area			100									
WEIGHTED CN			**77.756**									

Avg. with URS Value (82.2): 80.0

BASIN L2	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	48.6	61	2964.6	0	74	0	29.6	80	2368
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	18.6	75	1395	0	83	0	0	87	0
<=1/8	0	77	0	3.2	85	272	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	70.4		4631.6	0		0	29.6		2368
% Basin Area			100									
WEIGHTED CN			**69.996**									

Avg. with URS Value (73.5): 71.8

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN M1	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	21.7	75	1627.5	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	78.3	92	7203.6	0	94	0	0	95	0
SUM	0		0	100		8831.1	0		0	0		0
% Basin Area			100									
WEIGHTED CN			88.311									

BASIN M2	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	60.8	75	4560	0	83	0	0	87	0
<=1/8	0	77	0	6	85	510	0	90	0	7.2	92	662.4
SC, A.F.	0	68	0	12.1	79	955.9	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	13.9	92	1278.8	0	94	0	0	95	0
SUM	0		0	92.8		7304.7	0		0	7.2		662.4
% Basin Area			100									
WEIGHTED CN			79.671									

BASIN M3	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	9.7	68	659.6	0	79	0	0	84	0
1/8 - 1/2	0	61	0	43.5	75	3262.5	0	83	0	0	87	0
<=1/8	0	77	0	28.8	85	2448	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	18	92	1656	0	94	0	0	95	0
SUM	0		0	100		8026.1	0		0	0		0
% Basin Area			100									
WEIGHTED CN			80.261									

BASIN M4	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	44.6	68	3032.8	0	79	0	0	84	0
1/8 - 1/2	0	61	0	52.7	75	3952.5	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	2.7	92	248.4	0	94	0	0	95	0
SUM	0		0	100		7233.7	0		0	0		0
% Basin Area			100									
WEIGHTED CN			72.337									

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN M5	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	11.7	68	795.6	0	79	0	0	84	0
1/8 - 1/2	0	61	0	71	75	5325	0	83	0	0	87	0
<=1/8	0	77	0	17.3	85	1470.5	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		7591.1	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**75.911**									

BASIN M6	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	7.8	68	530.4	0	79	0	0	84	0
1/8 - 1/2	0	61	0	36.5	75	2737.5	0	83	0	0	87	0
<=1/8	0	77	0	55.7	85	4734.5	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		8002.4	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**80.024**									

BASIN O1	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	18.5	75	1387.5	50.3	83	4174.9	0	87	0
<=1/8	0	77	0	11.8	85	1003	12.8	90	1152	0	92	0
SC, A.F.	0	68	0	6.6	79	521.4	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	36.9		2911.9	63.1		5326.9	0		0
% Basin Area			100									
WEIGHTED CN			**82.388**									

BASIN O2	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	23.5	75	1762.5	46.9	83	3892.7	15.7	87	1365.9
<=1/8	0	77	0	0	85	0	0	90	0	13.9	92	1278.8
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	23.5		1762.5	46.9		3892.7	29.6		2644.7
% Basin Area			100									
WEIGHTED CN			**82.999**									

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN P1	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	3.6	61	219.6	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	33.5	75	2512.5	19.3	83	1601.9	34.8	87	3027.6
<=1/8	0	77	0	2.6	85	221	4.9	90	441	1.3	92	119.6
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	39.7		2953.1	24.2		2042.9	36.1		3147.2
% Basin Area			100									
WEIGHTED CN			81.432									

BASIN P2	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	100	75	7500	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		7500	0		0	0		0
% Basin Area			100									
WEIGHTED CN			75									

BASIN P3	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	83	75	6225	6.6	83	547.8	0.8	87	69.6
<=1/8	0	77	0	4.8	85	408	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	4.8	92	441.6	0	94	0	0	95	0
SUM	0		0	92.6		7074.6	6.6		547.8	0.8		69.6
% Basin Area			100									
WEIGHTED CN			76.92									

BASIN Q1	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	50.1	75	3757.5	0	83	0	0	87	0
<=1/8	0	77	0	38.9	85	3306.5	0	90	0	0	92	0
SC, A.F.	0	68	0	2.9	79	229.1	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	8.1	92	745.2	0	94	0	0	95	0
SUM	0		0	100		8038.3	0		0	0		0
% Basin Area			100									
WEIGHTED CN			80.383									

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN Q2	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	85	75	6375	0	83	0	0	87	0
<=1/8	0	77	0	1.8	85	153	0	90	0	0	92	0
SC, A.F.	0	68	0	4	79	316	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	9.2	92	846.4	0	94	0	0	95	0
SUM	0		0	100		7690.4	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**76.904**									

BASIN Q3	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	63.2	75	4740	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	18.8	79	1485.2	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	18	92	1656	0	94	0	0	95	0
SUM	0		0	100		7881.2	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**78.812**									

BASIN Q4	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	5.6	75	420	0	83	0	0	87	0
<=1/8	0	77	0	67.6	85	5746	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	26.8	92	2465.6	0	94	0	0	95	0
SUM	0		0	100		8631.6	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**86.316**									

BASIN Q5	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	100	75	7500	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		7500	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**75**									

BASIN Q6	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	21.8	75	1635	0	83	0	0	87	0
<=1/8	0	77	0	4.9	85	416.5	0	90	0	2.1	92	193.2
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	68.3	92	6283.6	0	94	0	2.9	95	275.5
SUM	0		0	95		8335.1	0		0	5		468.7
% Basin Area			100									
WEIGHTED CN			88.038									

BASIN Q7	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	1.6	61	97.6	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	30.6	75	2295	0	83	0	33.5	87	2914.5
<=1/8	0	77	0	25.9	85	2201.5	0	90	0	6.3	92	579.6
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	2.1	92	193.2	0	94	0	0	95	0
SUM	0		0	60.2		4787.3	0		0	39.8		3494.1
% Basin Area			100									
WEIGHTED CN			82.814									

BASIN Q8	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	55.2	75	4140	0	83	0	0	87	0
<=1/8	0	77	0	19.1	85	1623.5	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	24.1	92	2217.2	0	94	0	0	95	0
SUM	0		0	98.4		7980.7	0		0	0		0
% Basin Area			98.4									
WEIGHTED CN			81.105									

BASIN S1	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	76	75	5700	0	83	0	0	87	0
<=1/8	0	77	0	13.8	85	1173	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	10.2	92	938.4	0	94	0	0	95	0
SUM	0		0	100		7811.4	0		0	0		0
% Basin Area			100									
WEIGHTED CN			78.114									

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN S2	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	36.4	75	2730	0	83	0	0	87	0
<=1/8	0	77	0	41.7	85	3544.5	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	21.9	92	2014.8	0	94	0	0	95	0
SUM	0		0	100		8289.3	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**82.893**									

BASIN S3	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	57.8	75	4335	0	83	0	0	87	0
<=1/8	0	77	0	32.2	85	2737	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	10	92	920	0	94	0	0	95	0
SUM	0		0	100		7992	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**79.92**									

BASIN T1A	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	41.2	75	3090	0	83	0	0	87	0
<=1/8	0	77	0	30.2	85	2567	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	28.6	92	2631.2	0	94	0	0	95	0
SUM	0		0	100		8288.2	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**82.882**									

BASIN T1B	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	85.9	75	6442.5	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	14.1	92	1297.2	0	94	0	0	95	0
SUM	0		0	100		7739.7	0		0	0		0
% Basin Area			100									
WEIGHTED CN			**77.397**									

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN T2	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	73.3	68	4984.4	0	79	0	0	84	0
1/8 - 1/2	0	61	0	13.5	75	1012.5	0	83	0	0	87	0
<=1/8	0	77	0	1.4	85	119	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	5.6	92	515.2	0	94	0	0	95	0
SUM	0		0	93.8		6631.1	0		0	0		0
% Basin Area			93.8									
WEIGHTED CN			70.694									

BASIN T3	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	27.5	68	1870	0	79	0	0	84	0
1/8 - 1/2	0	61	0	72.5	75	5437.5	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	100		7307.5	0		0	0		0
% Basin Area			100									
WEIGHTED CN			73.075									

BASIN T4A	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	17.3	68	1176.4	5.1	79	402.9	0	84	0
1/8 - 1/2	0	61	0	41.2	75	3090	23.1	83	1917.3	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	13.3	92	1223.6	0	94	0	0	95	0
SUM	0		0	71.8		5490	28.2		2320.2	0		0
% Basin Area			100									
WEIGHTED CN			78.102									

BASIN T4B	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	2.9	68	197.2	31.7	79	2504.3	0	84	0
1/8 - 1/2	0	61	0	10.8	75	810	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	54.6	92	5023.2	0	94	0	0	95	0
SUM	0		0	68.3		6030.4	31.7		2504.3	0		0
% Basin Area			100									
WEIGHTED CN			85.347									

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN V1	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	35.2	75	2640	0	83	0	39.2	87	3410.4
<=1/8	0	77	0	11.3	85	960.5	0	90	0	1.6	92	147.2
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	1.7	92	156.4	11	94	1034	0	95	0
SUM	0		0	48.2		3756.9	11		1034	40.8		3557.6
% Basin Area			100									
WEIGHTED CN			**83.485**									

BASIN V2	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0.7	75	52.5	0	83	0	0	87	0
<=1/8	0	77	0	10.9	85	926.5	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	0	88	0	0	91	0	0	93	0
COM/BUS	0	89	0	4.5	92	414	83.9	94	7886.6	0	95	0
SUM	0		0	16.1		1393	83.9		7886.6	0		0
% Basin Area			100									
WEIGHTED CN			**92.796**									

BASIN W1	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	51.4	75	3855	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	9.5	88	836	0	91	0	6.3	93	585.9
COM/BUS	0	89	0	32.8	92	3017.6	0	94	0	0	95	0
SUM	0		0	93.7		7708.6	0		0	6.3		585.9
% Basin Area			100									
WEIGHTED CN			**82.945**									

BASIN W2	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	93.9	88	8263.2	0	91	0	6.1	93	567.3
COM/BUS	0	89	0	0	92	0	0	94	0	0	95	0
SUM	0		0	93.9		8263.2	0		0	6.1		567.3
% Basin Area			100									
WEIGHTED CN			**88.305**									

FUTURE LAND USE CONDITIONS SUB-BASIN SCS WEIGHTED CURVE NUMBER CALCULATIONS

BASIN W3	Hydrologic Soil Group											
	A			B			C			D		
Land Use	%	CN	Product	%	CN	Product	%	CN	Product	%	CN	Product
>= 5	0	39	0	0	61	0	0	74	0	0	80	0
2 1/2 - 5	0	44	0	0	65	0	0	77	0	0	82	0
1/2 - 2 1/2	0	51	0	0	68	0	0	79	0	0	84	0
1/8 - 1/2	0	61	0	0	75	0	0	83	0	0	87	0
<=1/8	0	77	0	0	85	0	0	90	0	0	92	0
SC, A.F.	0	68	0	0	79	0	0	86	0	0	89	0
IND/GOV	0	81	0	9.2	88	809.6	0.7	91	63.7	0.6	93	55.8
COM/BUS	0	89	0	37.9	92	3486.8	51.6	94	4850.4	0	95	0
SUM	0		0	47.1		4296.4	52.3		4914.1	0.6		55.8
% Basin Area			100									
WEIGHTED CN			**92.663**									

Subbasin Lag Calculations

EXISTING LAND USE CONDITIONS SUB-BASIN LAG CALCULATIONS

	OVERLAND (FOREST)					OVERLAND (GRASS & PASTURE)					GRASS & PASTURE					OVERLAND (BARE GROUND)					CHANNEL (GRASSED)					GUTTER 1					GUTTER 2					PIPE			Tc	LAG	
BASIN	L(ft)	B-ELEV	E-ELEV	S	Tt (min)	L(ft)	B-ELEV	E-ELEV	S	Tt (min)	L(ft)	B-ELEV	E-ELEV	S	Tt (min)	L(ft)	B-ELEV	E-ELEV	S	Tt (min)	L(ft)	B-ELEV	E-ELEV	S	Tt (min)	L(ft)	B-ELEV	E-ELEV	S	Tt (min)	L(ft)	B-ELEV	E-ELEV	S	Tt (min)	L(ft)	V (ft/s)	Tt (min)	(min)	(hrs)	BASIN
A1	500	7600	7580	4	16.562				0	0	4650	7580	7430	3.2258	61.024				0	0				0	0				0	0				0	0		7	0	77.586	0.7759	A1
A2	500	7470	7460	2	23.422				0	0	4600	7460	7320	3.0435	62.149				0	0				0	0				0	0				0	0			0	85.572	0.8557	A2
A3	500	7522	7505	3.4	17.964				0	0	3700	7505	7355	4.0541	43.313				0	0				0	0				0	0				0	0			0	61.277	0.6128	A3
A4	500	7450	7430	4	16.562				0	0	4650	7430	7285	3.1183	62.067				0	0				0	0				0	0				0	0			0	78.629	0.7863	A4
A5	500	7440	7420	4	16.562				0	0	4050	7420	7285	3.3333	52.285				0	0				0	0				0	0				0	0			0	68.847	0.6885	A5
A6	500	7440	7420	4	16.562				0	0	4200	7420	7260	3.8095	50.72				0	0				0	0				0	0				0	0			0	67.282	0.6728	A6
A7	500	7440	7420	4	16.562				0	0	4150	7420	7260	3.8554	49.817				0	0				0	0				0	0				0	0			0	66.379	0.6638	A7
A8	500	7460	7420	8	11.711				0	0	5820	7420	7200	3.7801	70.556				0	0				0	0				0	0				0	0			0	82.268	0.8227	A8
A9	500	7395	7360	7	12.52				0	0	4000	7360	7170	4.75	43.259				0	0				0	0				0	0				0	0			0	55.779	0.5578	A9
A10	500	7395	7330	13	9.187				0	0	4550	7330	7140	4.1758	52.481				0	0				0	0				0	0				0	0			0	61.668	0.6167	A10
A11	500	7365	7330	7	12.52				0	0	5125	7330	7140	3.7073	62.738				0	0				0	0				0	0				0	0			0	75.257	0.7526	A11
A12	500	7290	7250	8	11.711				0	0	3200	7250	7118	4.125	37.137				0	0				0	0				0	0				0	0			0	48.848	0.4885	A12
A13	500	7370	7350	4	16.562				0	0	5400	7370	7140	4.2593	61.672				0	0				0	0				0	0				0	0			0	78.235	0.7823	A13
B1	500	7290	7260	6	13.523				0	0	3600	7260	7125	3.75	43.818				0	0				0	0				0	0				0	0			0	57.341	0.5734	B1
B2				0	0	500	7280	7240	8	4.1667	3000	7240	7120	4	35.355				0	0				0	0				0	0				0	0			0	39.522	0.3952	B2
B3				0	0	500	7210	7180	6	4.8113	2200	7180	7100	3.6364	27.193	3250	7100	7060	1.2308	49.311				0	0				0	0				0	0			0	81.315	0.8131	B3
B4	500	7185	7170	3	19.124				0	0	1950	7170	7100	3.5897	24.259	3100	7100	7060	1.2903	45.937				0	0				0	0				0	0			0	89.32	0.8932	B4
B5				0	0	500	7180	7160	4	5.8926	3250	7160	7060	3.0769	43.671				0	0				0	0				0	0				0	0			0	49.563	0.4956	B5
B6				0	0	500	7165	7140	5	5.2705	2650	7140	7060	3.0189	35.949	2400	7060	6995	2.7083	24.548				0	0				0	0				0	0			0	65.767	0.6577	B6
B7				0	0	500	7100	7075	5	5.2705	5550	7075	6890	3.3333	71.65				0	0				0	0				0	0				0	0			0	76.921	0.7692	B7
B8				0	0	500	7105	7080	5	5.2705	1300	7080	7040	3.0769	17.468	3100	7040	6950	2.9032	30.625				0	0				0	0				0	0			0	53.363	0.5336	B8
B9				0	0	500	7100	7085	3	6.8041	1800	7085	7020	3.6111	22.326	7250	7020	6890	1.7931	91.135				0	0				0	0				0	0			0	120.27	1.2027	B9
C1	500	7480	7440	8	11.711				0	0	4200	7440	7188	6	40.415				0	0				0	0				0	0				0	0			0	52.126	0.5213	C1
C2	500	7460	7420	8	11.711				0	0	2550	7420	7300	4.7059	27.707				0	0				0	0				0	0				0	0			0	39.418	0.3942	C2
C3	500	7480	7420	12	9.5622				0	0	5200	7420	7180	4.6154	57.051				0	0				0	0				0	0				0	0			0	66.613	0.6661	C3
C4	500	7480	7420	12	9.5622				0	0	5400	7420	7140	5.1852	55.895				0	0				0	0				0	0				0	0			0	65.457	0.6546	C4
C5	500	7400	7380	4	16.562				0	0	4800	7380	7180	4.1667	55.426				0	0				0	0				0	0				0	0			0	71.988	0.7199	C5
C6				0	0	500	7225	7180	9	3.9284	4400	7180	7040	3.1818	58.14				0	0				0	0				0	0				0	0			0	62.069	0.6207	C6
C7				0	0	500	7280	7240	8	4.1667	5700	7240	7040	3.5088	71.723				0	0				0	0				0	0				0	0			0	75.89	0.7589	C7
C8				0	0	500	7280	7240	8	4.1667	7350	7240	7000	3.2653	95.871				0	0				0	0				0	0				0	0			0	100.04	1.0004	C8
C9				0	0	500	7225	7210	3	6.8041	6600	7210	7000	3.1818	87.211				0	0				0	0				0	0				0	0			0	94.015	0.9401	C9
C10				0	0	500	7185	7170	3	6.8041	4000	7170	7020	3.75	48.686	1400	7020	7000	1.4286	19.716				0	0				0	0				0	0			0	75.207	0.7521	C10
C11				0	0	500	7130	7110	4	5.8926	2350	7110	7020	3.8298	28.304	5100	7020	6890	2.549	53.769				0	0				0	0				0	0			0	87.965	0.8797	C11
C12				0	0	500	7030	7010	4	5.8926	1100	7010	6940	6.3636	10.278	4900	6940	6830	2.2449	55.049				0	0				0	0				0	0			0	71.219	0.7122	C12
C13	500	7460	7380	16	8.2811				0	0	3200	7380	7190	5.9375	30.954				0	0				0	0				0	0				0	0			0	39.235	0.3923	C13
C14				0	0	500	7240	7220	4	5.8926	2900	7220	7118	3.5172	36.447				0	0				0	0				0	0				0	0			0	42.339	0.4234	C14
C15				0	0	500	7150	7135	3	6.8041	2700	7135	7042	3.4444	34.29				0	0				0	0				0	0				0	0			0	41.094	0.4109	C15
C16				0	0	500	7140	7110	6	4.8113	4450	7110	6980	2.9213	61.367				0	0				0	0				0	0				0	0			0	66.178	0.6618	C16
C17				0	0	500	7060	7050	2	8.3333	5350	7050	6890	2.9907	72.918				0	0				0	0				0	0				0	0			0	81.251	0.8125	C17
C18				0	0	500	7070	7050	4	5.8926	4050	7050	6940	2.716	57.923	2800	6940	6830	3.9286	23.779				0	0				0	0				0	0			0	87.594	0.8759	C18
C19				0	0	500	7026	7010	3.2	6.5881	5950	7010	6800	3.5294	74.65				0	0				0	0				0	0				0	0			0	81.238	0.8124	C19
C20				0	0				0	0				0	0	6000	6962	6757	3.4167	54.639				0	0				0	0				0	0			0	54.639	0.5464	C20
D1				0	0	500	7000	6990	2	8.3333	1800	6990	6920	3.8889	21.514	1900	6920	6840	4.2105	15.586				0	0				0	0				0	0			0	45.433	0.4543	D1
D2				0	0	500	7000	6980	4	5.8926	2000	6980	6900	4	23.57	2100	6900	6830	3.3333	19.361				0	0				0	0				0	0			0	48.824	0.4882	D2
D3				0	0	500	7020	6990	6	4.8113				0	0	4600	6990	6840	3.2609	42.879				0	0				0	0				0	0			0	47.69	0.4769	D3
D4				0	0	500	6880	6855	5	5.2705	1550	6855	6830	1.6129	28.767	2100	6830	6757	3.4762	18.959				0	0				0	0				0	0			0	52.996	0.53	D4
D5				0	0	500	6912	6896	3.2	6.5881	2000	6896	6810	4.3	22.733	3670	6810	6720	2.4523	39.448				0	0				0	0				0	0			0	68.769	0.6877	D5
E1	500	7460	7380	16	8.2811				0	0	4150	7380	7140	5.7831	40.675				0	0				0	0				0	0				0	0			0	48.956	0.4896	E1
E2				0	0	500	7200	7180	4	5.8926	3500	7180	7035	4.1429	40.53				0	0				0	0				0	0				0	0			0	46.423	0.4642	E2
E3				0	0	500	7240	7200	8	4.1667	4100	7200	7036	4	48.319				0	0				0	0				0	0				0	0			0	52.486	0.5249	E3
E4				0	0	500	7072	7056	3.2	6.5881	640	7056	7035	3.2813	8.3277	3280	7035	6936	3.0183	31.779				0	0				0	0				0	0			0	46.695	0.4669	E4
E5				0	0	500	7082	7067	3	6.8041	2490	7067	6990	3.0924	33.375	1630	6990	6936	3.3129	15.074				0	0				0	0				0	0			0	55.253	0.5525	E5
E6				0	0	500	7092	7081	2.2	7.9455				0	0	2450	7081	7011	2.8571	24.398				0	0				0	0				0	0			0	32.343	0.3234	E6
E7				0	0	500	7044	6997	9.4	3.8439	1780	6997	6936	3.427	22.664	1960	6936	6888	2.449	21.082				0	0				0	0				0	0			0	47.59	0.4759	E7
E8				0	0	500	7031	7011	4	5.8926	3960	7011	6888	3.1061	52.961				0	0				0	0				0	0				0	0			0	58.853	0.5885	E8
E9				0	0	500	6953	6936	3.4	6.3914	1820	6936	6860	4.1758	20.992	2505	6860	6757	4.1118	20.794				0	0				0	0				0	0			0	48.178	0.4818	E9
E10				0	0	300	6942	6926	5.3333	3.0619	1010	6926	6879	4.6535	11.036	380	6836	6828	2.1053	4.4084				0	0	1690	6914	6869	2.6627	8.7165				0	0	360	7	0.8571	28.08	0.2808	E10
E11				0	0	300	6864	6847	5.6667	2.9704	820	6847	6800	5.7317	8.073	2530	6800	6718	3.2411	23.655				0	0				0	0				0	0			0	34.698	0.347	E11
F1				0	0	500	6880.5	6864	3.3	6.4875	2540	6864	6780	3.3071	32.921	3000	6780	6700	2.6667	30.923				0	0				0	0				0	0			0	70.332	0.7033	F1
G1				0	0	500	7054	7032	4.4	5.6183	3020	7032	6928	3.4437	38.358				0	0				0	0				0	0				0	0			0	43.976	0.4398	G1
G2				0	0	500	7062	7043.5	3.7	6.1268	1170	7043.5	7012	2.6923	16.807				0	0				0	0	2280	7012	6950	2.7193	11.637				0	0			0	34.57	0.3457	G2
G3				0	0	240	7007	6986	8.75	1.9124				0	0	460	6886	6880	1.3043	6.7797				0	0	3580	6986	6889	2.7095	18.304				0	0	180	7	0.4286	27.425	0.2743	G3
G4				0	0	300	6989	6982	2.3333	4.6291				0	0	510	6982	6956	5.098	3.802	500	6841	6827	2.8	3.3034	2680	6956	6841	4.291	10.889				0	0			0	22.623	0.2262	G4
G5				0	0	300	6860	6827	11	2.132				0	0				0	0	2440	6827	6762	2.6639	16.527				0	0				0	0			0	18.659	0.1866	G5
G6				0	0	300	6920	6904	5.3333	3.0619				0	0				0	0				0	0	3840	6904	6768	3.5417	17.173				0	0			0	20.235	0.2023	G6
G7				0	0	300	6878	6870	2.6667	4.3301				0	0				0	0	***3830***	***6870***	***6740***	***3.394***	***22.98***	***630***	***6740***	***6690***	***7.937***	***1.882***				0	0			0	***29.19***	***0.292***	G7
G8				0	0	300	6814	6796	6	2.8868				0	0	460	6796	6760	7.8261	2.7678	2000	6760	6680	4	11.055				0	0				0	0			0	16.71	0.1671	G8
H1				0	0	500	6853	6831	4.4	5.6183	3910	6831	6770	1.5601	73.784	940	6770	6759	1.1702	14.627				0	0	1900	6800	6790	0.5263	22.042				0	0			0	94.029	0.9403	H1
H2				0	0	500	6843	6827	3.2	6.5881	1600	6827	6800	1.6875	29.031				0	0				0	0	1705	6817	6780	2.1701	9.741				0	0			0	57.661	0.5766	H2
H3				0	0				0	0	1950	6780	6732	2.4615	29.295	1220	6732	6711	1.7213	15.652				0	0	2720	6794	6724	2.5735	14.27				0	0			0	54.688	0.5469	H3
H4				0	0	160	6798	6794	2.5	2.3851				0	0				0	0				0	0				0	0				0	0			0	16.655	0.1666	H4
H5				0	0	500	7010	6996	2.8	7.043	2050	6996	6940	2.7317	29.235	3800	6940	6825	3.0263	36.768				0	0				0	0				0	0			0	73.046	0.7305	H5
H6				0	0	500	6900	6880	4	5.8926	3200	6880	6817	1.9688	53.755				0	0				0	0				0	0				0	0			0	59.648	0.5965	H6
H7				0	0	500	6888	6866	4.4	5.6183				0	0	2040	6819	6770	2.402	22.156				0	0	1380	6866	6819	3.4058	6.2934				0	0			0	34.068	0.3407	H7

H6				0	0	300	6900	6888	4	3.5355				0	0				0	0				0	0	3400	6888	6817	2.0882	19.802				0	0			0	23.337	0.2334	H6
H7				0	0	300	6888	6874.8	4.4	3.371				0	0	2040	6819	6770	2.402	22.156				0	0	1580	6874.8	6819	3.5316	7.076				0	0			0	32.603	0.326	H7
H8A				0	0	300	6821	6803.6	5.8	2.9361				0	0	1320	6762	6725	2.803	13.271				0	0	1520	6803.6	6762	2.7368	7.7328				0	0			0	23.94	0.2394	H8A
H8B				0	0	300	6821	6804	5.8	2.936				0	0	1320	6762	6725	2.803	13.27				0	0	1520	6804	6762	2.737	7.733				0	0			0	23.94	0.239	H8B
H9				0	0	300	6821	6803.6	5.8	2.9361				0	0				0	0				0	0	3500	6803.6	6678	3.5886	15.55				0	0			0	18.486	0.1849	H9
H10				0	0	300	6792	6775.8	5.4	3.0429				0	0	1720	6726	6668	3.3721	15.766				0	0	1000	6775.8	6726	4.98	3.7714				0	0			0	22.581	0.2258	H10
H11				0	0	300	6888	6879	3	4.0825				0	0	1870	6816	6760	2.9947	18.189				0	0	2070	6879	6816	3.0435	9.9863				0	0			0	32.258	0.3226	H11
H12				0	0	300	6888	6872.4	5.2	3.1009				0	0				0	0				0	0	4020	6872.4	6760	2.796	20.234				0	0			0	23.335	0.2333	H12
H13				0	0	300	6822	6808.8	4.4	3.371				0	0				0	0				0	0	3370	6808.8	6726	2.457	18.095				0	0			0	21.466	0.2147	H13
H14				0	0	300	6763	6754	3	4.0825				0	0	2320	6720	6666	2.3276	25.597				0	0	1060	6754	6720	3.2075	4.9812				0	0			0	34.66	0.3466	H14
H15				0	0	300	6739	6726.4	4.2	3.4503				0	0				0	0	5300	6708	6590	2.226	39.27	500	6726.4	6708	3.68	2.1936				0	0			0	44.91	0.449	H15
H16				0	0	300	6858	6839.4	6.2	2.8398				0	0				0	0				0	0	2080	6806	6765	1.9712	12.469	620	6839.4	6806	5.3871	2.2482			0	15.309	0.1531	H16
H17				0	0	300	6847	6823	8	2.5				0	0				0	0				0	0	1940	6823	6770	2.732	9.8783				0	0			0	12.378	0.1238	H17
H18				0	0	300	6794	6784.4	3.2	3.9528				0	0	1080	6724	6710	1.2963	15.967				0	0	2020	6784.4	6724	2.9901	9.8317				0	0			0	29.751	0.2975	H18
H19				0	0	300	6797	6787.4	3.2	3.9528				0	0	1660	6710	6668	2.5301	17.567				0	0	1700	6787.4	6710	4.5529	6.7054				0	0			0	28.225	0.2822	H19
H20				0	0	300	6770	6754.4	5.2	3.1009				0	0				0	0	2360	6744	6710	1.441	21.74	200	6754.4	6744	5.2	0.7382				0	0			0	25.58	0.256	H20
H21				0	0				0	0				0	0	2380	6790	6713	3.2353	22.272				0	0				0	0				0	0			0	22.272	0.2227	H21
H22				0	0	300	6739	6725.8	4.4	3.371				0	0				0	0				0	0	2200	6725.8	6630	4.3545	8.873				0	0	2380	8.3	4.779	17.02	0.17	H22
H23				0	0	300	6763	6737.2	8.6	2.4112				0	0	2280	6670	6618	2.2807	25.413				0	0	620	6737.2	6670	10.839	1.585				0	0			0	29.409	0.2941	H23
J1				0	0	500	6870	6814	11.2	3.5215				0	0				0	0				0	0	4140	6814	6705	2.6329	21.474				0	0			0	24.995	0.25	J1
J2				0	0				0	0				0	0				0	0				0	0	5520	6796	6590	3.7319	24.049				0	0			0	24.049	0.2405	J2
J3				0	0	300	6797	6780	5.667	2.97				0	0				0	0				0	0	1840	6780	6676	5.652	6.514				0	0	5340	8.3	10.72	20.21	0.202	J3
K1				0	0	300	6862	6833.8	9.4	2.3063				0	0	880	6680	6668	1.3636	12.685				0	0	3260	6833.8	6680	4.7178	12.632				0	0			0	27.623	0.2762	K1
K2				0	0	300	6848	6825.2	7.6	2.5649				0	0	3400	6776	6660	3.4118	30.984				0	0	760	6825.2	6776	6.4737	2.514				0	0			0	36.063	0.3606	K2
K3				0	0	130	6740	6732	6.1538	1.2352				0	0				0	0				0	0	3720	6732	6644	2.3656	20.356				0	0			0	21.591	0.2159	K3
K4				0	0	300	6794	6784.4	3.2	3.9528				0	0				0	0	3520	6660	6590	1.989	27.6	1280	6730	6660	5.4688	4.6066	1080	6784.4	6730	5.037	4.05			0	36.16	0.362	K4
L1				0	0	300	6778	6764	4.6667	3.2733				0	0				0	0				0	0	3470	6764	6632	3.804	14.974				0	0			0	18.247	0.1825	L1
L2				0	0	500	6660	6636	4.8	5.3791	880	6636	6590	5.2273	9.0721				0	0				0	0				0	0				0	0	2880	7.6	6.316	20.77	0.208	L2
M1				0	0	500	6768	6730	7.6	4.2749	1150	6730	6690	3.4783	14.534				0	0				0	0				0	0				0	0			0	18.809	0.1881	M1
M2				0	0	500	6706	6692	2.8	7.043	460	6692	6680	2.6087	6.7129				0	0				0	0	1500	6680	6581	6.6	4.914				0	0	720	7	1.7143	20.384	0.2038	M2
M3				0	0	300	6784	6764	6.6667	2.7386				0	0	2600	6764	6690	2.8462	25.941				0	0	2660	6690	6560	4.8872	10.127				0	0			0	38.807	0.3881	M3
M4				0	0	500	6746	6698	9.6	3.8036	2280	6698	6600	4.2982	25.921				0	0	1000	6600	6576	2.4	7.136	920	6576	6560.6	1.6739	5.9847				0	0			0	42.85	0.428	M4
M5				0	0	500	6729	6691	7.6	4.2749	1570	6691	6566	7.9618	13.115				0	0				0	0	520	6566	6542	4.6154	2.0371				0	0	500	7	1.1905	20.617	0.2062	M5
M6				0	0	500	6620	6580	8	4.1667				0	0				0	0				0	0	2840	6580	6497	2.9225	13.982				0	0	400	7	0.9524	19.101	0.191	M6
O1				0	0	500	6834	6780	10.8	3.5861				0	0				0	0				0	0	2660	6780	6691	3.3459	12.239				0	0			0	15.825	0.1583	O1
O2				0	0	300	6773	6766	2.3333	4.6291				0	0				0	0				0	0	4100	6766	6580	4.5366	16.201				0	0			0	20.83	0.2083	O2
P1				0	0	160	6764	6760	2.5	2.3851				0	0				0	0				0	0	4620	6760	6532	4.9351	17.503				0	0			0	19.888	0.1989	P1
P2				0	0	100	6754	6752	2	1.6667				0	0				0	0				0	0	3300	6752	6617	4.0909	13.732				0	0			0	15.398	0.154	P2
P3				0	0	300	6646	6604	14	1.8898				0	0				0	0				0	0	3800	6604	6504	2.6316	19.715				0	0			0	21.605	0.216	P3
Q1				0	0	300	6822	6810	4	3.5355				0	0				0	0				0	0	2360	6810	6668	6.0169	8.0973				0	0			0	11.633	0.1163	Q1
Q2				0	0	300	6773	6759	4.6667	3.2733				0	0				0	0				0	0	4100	6759	6576	4.4634	16.333				0	0			0	19.606	0.1961	Q2
Q3				0	0	300	6710	6701	3	4.0825	260	6701	6698	1.1538	5.7051				0	0				0	0	2800	6698	6560	4.9286	10.615				0	0			0	20.402	0.204	Q3
Q4				0	0				0	0	1440	6620	6510	7.6389	12.28	1250	6510	6476	2.72	12.758				0	0	960	6656	6620	3.75	4.1723				0	0			0	29.21	0.2921	Q4
Q5				0	0				0	0				0	0				0	0				0	0	4100	6640	6481	3.878	17.522				0	0			0	17.522	0.1752	Q5
Q6				0	0	200	6535	6526	4.5	2.2222				0	0				0	0	2680	6456	6420	1.343	25.56	1340	6526	6450	5.6716	4.7355				0	0			0	32.52	0.325	Q6
Q7				0	0	200	6544	6516	14	1.2599				0	0				0	0	2400	6400	6358	1.75	20.057	2040	6516	6400	5.6863	7.2				0	0			0	28.517	0.2852	Q7
Q8				0	0	200	6434	6430	2	3.333				0	0				0	0				0	0	1420	6430	6390	2.817	7.121				0	0	3700	10.6	5.818	16.27	0.163	Q8
S1				0	0	300	6593	6578	5	3.1623				0	0	1000	6490	6434	5.6	7.113				0	0	1940	6578	6490	4.5361	7.6662				0	0			0	17.942	0.1794	S1
S2				0	0	300	6614	6600	4.6667	3.2733	780	6600	6560	5.1282	8.1185				0	0				0	0	1200	6560	6424	11.333	3				0	0			0	14.392	0.1439	S2
S3				0	0	200	6545	6536	4.5	2.2222				0	0				0	0				0	0	4680	6536	6380	3.3333	21.574				0	0			0	23.796	0.238	S3
T1A				0	0	300	6561	6543	6	2.8868	900	6543	6490	5.8889	8.7416	1900	6490	6429	3.2105	17.849				0	0				0	0				0	0			0	29.477	0.2948	T1A
T1B				0	0	300	6479	6460	6.3333	2.8098				0	0	620	6400	6380	3.2258	5.8106				0	0	2380	6460	6400	2.521	12.616				0	0			0	21.236	0.2124	T1B
T2				0	0	300	6710	6694	5.3333	3.0619	2540	6694	6576	4.6457	27.776				0	0				0	0	1600	6576	6530	2.875	7.9418				0	0			0	38.78	0.3878	T2
T3				0	0	300	6659	6642	5.6667	2.9704	2120	6642	6540	4.8113	22.781	1200	6540	6480	5	9.0333				0	0				0	0				0	0			0	34.784	0.3478	T3
T4A				0	0	300	6510	6500	3.3333	3.873	1060	6468	6426	3.9623	12.552	800	6500	6468	4	6.733				0	0	1320	6426	6398	2.1212	7.6278				0	0			0	30.785	0.3079	T4A
T4B				0	0	300	6482	6472	3.3333	3.873	300	6472	6464	2.6667	4.3301	1000	6430	6398	3.2	9.4097				0	0	1140	6464	6430	2.9825	5.5557				0	0			0	23.168	0.2317	T4B
V1				0	0	300	6524	6450	24.667	1.4237				0	0				0	0				0	0	5600	6450	6370	1.4286	39.433				0	0			0	40.856	0.4086	V1
V2				0	0	300	6352	6315	12.33	2.013				0	0				0	0				0	0				0	0				0	0	4520	11.3	6.667	8.68	0.087	V2
W1				0	0	300	6390	6382	2.667	4.33				0	0				0	0				0	0	720	6382	6370	1.667	4.694				0	0	3700	10.6	5.818	14.84	0.148	W1
W2				0	0	300	6356	6341.5	4.8333	3.2163	600	6341.5	6304	6.25	5.6569				0	0				0	0				0	0				0	0	2160	10.6	3.396	12.27	0.123	W2
W3				0	0	150	6334	6332	1.3333	3.0619				0	0				0	0				0	0	1430	6332	6260	5.035	5.3636				0	0	1500	11.3	2.212	10.64	0.106	W3

FUTURE LAND USE CONDITIONS SUB-BASIN LAG CALCULATIONS

	OVERLAND (FOREST)					OVERLAND (GRASS & PASTURE)					GRASS & PASTURE					OVERLAND (BARE GROUND)					CHANNEL (GRASSED)					GUTTER 1					GUTTER 2					PIPE/*CHANNEL*			Tc	LAG	
BASIN	L(ft)	B-ELEV	E-ELEV	S	Tt (min)	L(ft)	B-ELEV	E-ELEV	S	Tt (min)	L(ft)	B-ELEV	E-ELEV	S	Tt (min)	L(ft)	B-ELEV	E-ELEV	S	Tt (min)	L(ft)	B-ELEV	E-ELEV	S	Tt (min)	L(ft)	B-ELEV	E-ELEV	S	Tt (min)	L(ft)	B-ELEV	E-ELEV	S	Tt (min)	L(ft)	V (ft/s)	Tt (min)	(min)	(hrs)	BASIN
A1	500	7600	7580	4	16.562					0	0					0	0				0	0	***4650***	***7580***	***7430***	***3.226***	***28.62***				0	0				0	0		7	0	***45.18***	***0.452***	A1
A2	500	7470	7460	2	23.422					0	0					0	0				0	0	***4600***	***7460***	***7320***	***3.043***	***29.15***				0	0				0	0			0	***52.57***	***0.526***	A2
A3	500	7522	7505	3.4	17.964					0	0					0	0				0	0	***3700***	***7505***	***7355***	***4.054***	***20.32***				0	0				0	0			0	***38.28***	***0.383***	A3
A4	500	7450	7430	4	16.562					0	0					0	0				0	0	***4650***	***7430***	***7285***	***3.118***	***29.11***				0	0				0	0			0	***45.67***	***0.457***	A4
A5	500	7440	7420	4	16.562					0	0					0	0				0	0	***4050***	***7420***	***7285***	***3.333***	***24.52***				0	0				0	0			0	***41.09***	***0.411***	A5
A6	500	7440	7420	4	16.562					0	0					0	0				0	0	***4200***	***7420***	***7260***	***3.81***	***23.79***				0	0				0	0			0	***40.35***	***0.404***	A6
A7	500	7440	7420	4	16.562					0	0					0	0				0	0	***4150***	***7420***	***7260***	***3.855***	***23.37***				0	0				0	0			0	***39.93***	***0.399***	A7
A8	500	7460	7420	8	11.711					0	0					0	0				0	0	***5820***	***7420***	***7200***	***3.78***	***33.09***				0	0				0	0			0	***44.81***	***0.448***	A8
A9	500	7395	7360	7	12.52					0	0					0	0				0	0	***4000***	***7360***	***7170***	***4.75***	***20.29***				0	0				0	0			0	***32.81***	***0.328***	A9
A10	500	7395	7330	13	9.187					0	0					0	0				0	0	***4550***	***7330***	***7140***	***4.176***	***24.62***				0	0				0	0			0	***33.8***	***0.338***	A10
A11	500	7365	7330	7	12.52					0	0					0	0				0	0	***5125***	***7330***	***7140***	***3.707***	***29.43***				0	0				0	0			0	***41.95***	***0.419***	A11
A12	500	7290	7250	8	11.711					0	0					0	0				0	0	***3200***	***7250***	***7118***	***4.125***	***17.42***				0	0				0	0			0	***29.13***	***0.291***	A12
A13	500	7370	7350	4	16.562					0	0					0	0				0	0	***5400***	***7370***	***7140***	***4.259***	***28.93***				0	0				0	0			0	***45.49***	***0.455***	A13
B1				0	0	300	7290	7272	6	2.8868					0					0	0					0	0	3800	7272	7125	3.8684	16.261					0				0	19.147	0.1915	B1
B2				0	0	300	7280	7256	8	2.5					0					0	0					0	0	3200	7256	7120	4.25	13.064					0				0	15.564	0.1556	B2
B3				0	0	300	7210	7192	6	2.8868					0					0	0					0	0	2400	7192	7100	3.8333	10.317					0				0	***9.028***	***0.222***	B3
B4				0	0	300	7185	7176	3	4.0825					0					0	0					0	0	2150	7176	7100	3.5349	9.6243					0	***3250***	***6***	***9.028***	***22.23***	***0.222***	B3
B5				0	0	300	7180	7168	4	3.5355					0					0	0					0	0	3450	7168	7060	3.1304	16.411					0	***3100***	***6***	***8.611***	***22.32***	***0.223***	B4
B6				0	0	300	7165	7150	5	3.1623					0					0	0					0	0	2850	7150	7060	3.1579	13.498					0				0	19.947	0.1995	B5
B7				0	0	300	7100	7085	5	3.1623					0	2400	7060	6995	2.7083	24.548						0	0	5750	7085	6890	3.3913	26.279					0				0	41.208	0.4121	B6
B8				0	0	300	7105	7090	5	3.1623					0					0	0					0	0	1500	7090	7040	3.3333	6.9147					0				0	29.441	0.2944	B7
B9				0	0	300	7100	7091	3	4.0825					0	3100	7040	6950	2.9032	30.625						0	0	2000	7091	7020	3.55	8.9338					0				0	40.702	0.407	B8
C1				0	0	300	7480	7456	8	2.5					0					0	0					0	0	4400	7456	7188	6.0909	15.005					0	***7250***	***6***	***20.14***	***33.16***	***0.332***	B9
C2				0	0	300	7460	7436	8	2.5					0					0	0					0	0	2750	7436	7300	4.9455	10.408					0				0	17.505	0.175	C1
C3				0	0	300	7480	7444	12	2.0412					0					0	0					0	0	5400	7444	7180	4.8889	20.555					0				0	12.908	0.1291	C2
C4				0	0	300	7480	7444	12	2.0412					0					0	0					0	0	5600	7444	7140	5.4286	20.229					0				0	22.596	0.226	C3
C5				0	0	300	7400	7388	4	3.5355					0					0	0					0	0	5000	7388	7180	4.16	20.632					0				0	22.27	0.2227	C4
C6				0	0	300	7225	7198	9	2.357					0					0	0					0	0	4600	7198	7040	3.4348	20.889					0				0	24.168	0.2417	C5
C7				0	0	300	7280	7256	8	2.5					0					0	0					0	0	5900	7256	7040	3.661	25.952					0				0	23.246	0.2325	C6
C8				0	0	300	7280	7256	8	2.5					0					0	0					0	0	7550	7256	7000	3.3907	34.508					0				0	28.452	0.2845	C7
C9				0	0	300	7225	7216	3	4.0825					0					0	0					0	0	6800	7216	7000	3.1765	32.111					0				0	37.008	0.3701	C8
C10				0	0	300	7185	7176	3	4.0825					0					0	0					0	0	4200	7176	7020	3.7143	18.341					0				0	36.194	0.3619	C9
C11				0	0	300	7130	7118	4	3.5355					0	1400	7020	7000	1.4286	19.716						0	0	2550	7118	7020	3.8431	10.948					0				0	42.14	0.4214	C10
C12				0	0	300	7030	7018	4	3.5355					0					0	0					0	0	1300	7018	6940	6	4.4667					0	***5100***	***7***	***12.14***	***26.63***	***0.266***	C11
C13				0	0	300	7460	7412	16	1.7678					0					0	0					0	0	3400	7412	7190	6.5294	11.199					0	***4900***	***7***	***11.67***	***19.67***	***0.197***	C12
C14				0	0	300	7240	7228	4	3.5355					0					0	0					0	0	3100	7228	7118	3.5484	13.85					0				0	12.966	0.1297	C13
C15				0	0	300	7150	7141	3	4.0825					0					0	0					0	0	2900	7141	7042	3.4138	13.21					0				0	17.386	0.1739	C14
C16				0	0	300	7140	7122	6	2.8868					0					0	0					0	0	4650	7122	6980	3.0538	22.395					0				0	17.292	0.1729	C15
C17				0	0	300	7060	7054	2	5					0					0	0					0	0	5550	7054	6890	2.955	27.173					0				0	25.282	0.2528	C16
C18				0	0	300	7070	7058	4	3.5355					0					0	0					0	0	4250	7058	6940	2.7765	21.466					0				0	32.173	0.3217	C17
C19				0	0	300	7026	7016.4	3.2	3.9528					0					0	0	***2800***	***6940***	***6830***	***3.929***	***15.62***				0	0				0	0			0	***40.62***	***0.406***	C18
C20				0	0					0	0					0	0				0	0					0	0	6150	7016.4	6800	3.5187	27.593					0				0	31.546	0.3155	C19
D1				0	0	300	7000	6994	2	5					0					0	0	***6000***	***6962***	***6757***	***3.417***	***35.89***				0	0				0	0			0	***35.89***	***0.359***	C20
D2				0	0	300	7000	6988	4	3.5355					0	1900	6920	6840	4.2105	15.586						0	0	2000	6994	6920	3.7	8.7508					0				0	29.337	0.2934	D1
D3A				0	0	300	7020	7002	6	2.8868					0	2100	6900	6830	3.3333	19.361						0	0	2200	6988	6900	4	9.2579					0				0	32.154	0.3215	D2
D4				0	0	300	6880	6865	5	3.1623					0					0	0	***4600***	***6990***	***6840***	***3.261***	***28.16***				0	0				0	0			0	***31.74***	***0.317***	D3
D5				0	0	300	6912	6902.4	3.2	3.9528					0	2100	6830	6757	3.4762	18.959						0	0	200	7002	6990	6	0.6872					0				0	32.536	0.3254	D4
E1				0	0	300	7460	7412	16	1.7678					0					0	0					0	0	1750	6865	6830	2	10.415					0				0	32.154	0.3215	D2
E2				0	0	300	7200	7188	4	3.5355					0					0	0					0	0	2200	6902.4	6810	4.2	9.0348					0				0	***31.74***	***0.317***	D3
E3				0	0	300	7240	7216	8	2.5					0					0	0					0	0	4350	7412	7140	6.2529	14.641					0	***3670***	***7.4***	***8.266***	***21.25***	***0.213***	D5
E4				0	0	300	7072	7062.4	3.2	3.9528					0					0	0					0	0	3700	7188	7035	4.1351	15.314					0				0	16.409	0.1641	E1
E5				0	0	300	7082	7073	3	4.0825					0					0	0					0	0	4300	7216	7036	4.186	17.688					0				0	18.849	0.1885	E2
E6				0	0	300	7092	7085.4	2.2	4.7673					0	3280	7035	6936	3.0183	31.779						0	0	840	7062.4	7035	3.2619	3.9144					0				0	20.188	0.2019	E3
E7				0	0	300	7044	7015.8	9.4	2.3063					0	1630	6990	6936	3.3129	15.074						0	0	2690	7073	6990	3.0855	12.889					0				0	39.646	0.3965	E4
E8				0	0	300	7031	7019	4	3.5355					0	2450	7081	7011	2.8571	24.398						0	0	200	7085.4	7081	2.2	1.1348					0				0	32.045	0.3205	E5
E9				0	0	300	6953	6942.8	3.4	3.8348					0	1960	6936	6888	2.449	21.082						0	0	1980	7015.8	6936	4.0303	8.3007					0				0	30.3	0.303	E6
E10				0	0	300	6942	6926	5.3333	3.0619					0					0	0					0	0	4160	7019	6888	3.149	19.73					0				0	31.689	0.3169	E7
E11				0	0	300	6864	6847	5.6667	2.9704					0	380	6836	6828	2.1053	4.4084						0	0	2020	6942.8	6860	4.099	8.3971					0				0	23.265	0.2327	E8
F1				0	0	300	6880.5	6870.6	3.3	3.8925					0	2530	6800	6718	3.2411	23.655						0	0	1010	6926	6879	4.6535	3.9405	1690	6914	6869	2.6627	8.7165	360	7	0.8571	12.268	0.1227	E10
G1				0	0	300	7054	7040.8	4.4	3.371					0	3000	6780	6700	2.6667	30.923						0	0	820	6847	6800	5.7317	2.8826					0				0	29.508	0.2951	E11
G2				0	0	300	7062	7050.9	3.7	3.6761					0					0	0					0	0	2740	6870.6	6780	3.3066	12.682					0				0	47.498	0.475	F1
G3				0	0	240	7007	6986	8.75	1.9124					0					0	0					0	0	3220	7040.8	6928	3.5031	14.479					0				0	17.85	0.1785	G1
G4				0	0	300	6989	6982	2.3333	4.6291					0	460	6886	6880	1.3043	6.7797						0	0	2280	7012	6950	2.7193	11.637	1370	7050.9	7012	2.8394	6.8427				0	15.313	0.1531	G2
G5				0	0	300	6860	6827	11	2.132					0	510	6982	6956	5.098	3.802						0	0	3580	6986	6889	2.7095	18.304					0				0	27.425	0.2743	G3
G6				0	0	300	6920	6904	5.3333	3.0619					0					0	0	500	6841	6827	2.8	3.3034	2680	6956	6841	4.291	10.889					0	180	7	0.4286	22.623	0.2262	G4
G7				0	0	300	6878	6870	2.6667	4.3301					0					0	0	2440	6827	6762	2.6639	16.527				0	0				0	0			0	18.659	0.1866	G5
G8				0	0	300	6814	6796	6	2.8868					0					0	0					0	0	3840	6904	6768	3.5417	17.173					0				0	20.235	0.2023	G6
H1				0	0	300	6853	6839.8	4.4	3.371					0	460	6796	6760	7.8261	2.7678						0	0	***3830***	***6870***	***6740***	***3.394***	***22.98***	***630***	***6740***	***6690***	***7.937***	***1.882***				0	***29.19***	***0.292***	G7
H2				0	0	300	6843	6833.4	3.2	3.9528					0					0	0	2000	6760	6680	4	11.055				0	0				0	0			0	16.71	0.1671	G8
H3				0	0					0	0					0	0				0	0	***940***	***6770***	***6759***	***1.17***	***9.607***	4110	6839.8	6770	1.6983	26.543					0				0	***39.52***	***0.395***	H1
H4				0	0	160	6798	6794	2.5	2.3851					0	1220	6732	6711	1.7213	15.652						0	0	1900	6800	6790	0.5263	22.042	1800	6833.4	6800	1.8556	11.121				0	25.995	0.2599	H2
H5A				0	0	300	7010	7001.6	2.8	4.2258					0					0	0					0	0	1705	6817	6780	2.1701	9.741	1950	6780	6732	2.4615	10.46				0	25.393	0.2539	H3
																					0	0	***3800***	***6940***	***6825***	***3.026***	***24.15***	2250	7001.6	6940	2.7378	11.445					0				0	16.655	0.1666	H4
																																							0	***39.82***	***0.398***	***H5A***

H8				0	0	500	6821	6792	5.8	4.8935	1320	6792	6762	2.2727	20.638	1320	6762	6725	2.803	13.271				0	0				0	0				0	0			0	38.802	0.388	H8
H9				0	0	500	6821	6792	5.8	4.8935	3300	6792	6678	3.4545	41.849				0	0				0	0				0	0				0	0			0	46.742	0.4674	H9
H10				0	0	500	6792	6765	5.4	5.0715	800	6765	6726	4.875	8.5402	1720	6726	6668	3.3721	15.766				0	0				0	0				0	0			0	29.378	0.2938	H10
H11				0	0	500	6888	6873	3	6.8041	1870	6873	6816	3.0481	25.246	1870	6816	6760	2.9947	18.189				0	0				0	0				0	0			0	50.239	0.5024	H11
H12				0	0	500	6888	6862	5.2	5.1681	3820	6862	6760	2.6702	55.101				0	0				0	0				0	0				0	0			0	60.269	0.6027	H12
H13				0	0	500	6822	6800	4.4	5.6183	3170	6800	6726	2.3344	48.903				0	0				0	0				0	0				0	0			0	54.521	0.5452	H13
H14				0	0	500	6763	6748	3	6.8041	860	6748	6720	3.2558	11.234	2320	6720	6666	2.3276	25.597				0	0				0	0				0	0			0	43.635	0.4363	H14
H15				0	0	500	6739	6718	4.2	5.7505	300	6718	6708	3.3333	3.873	5300	6708	6590	2.2264	59.789				0	0				0	0				0	0			0	69.413	0.6941	H15
H16				0	0	500	6858	6827	6.2	4.733	420	6827	6806	5	4.4272				0	0				0	0	2080	6806	6765	1.9712	12.469				0	0			0	21.629	0.2163	H16
H17				0	0	500	6847	6807	8	4.1667	1740	6807	6770	2.1264	28.125				0	0				0	0				0	0				0	0			0	32.291	0.3229	H17
H18				0	0	500	6794	6778	3.2	6.5881	1820	6778	6724	2.967	24.904	1080	6724	6710	1.2963	15.967				0	0				0	0				0	0			0	47.459	0.4746	H18
H19				0	0	500	6797	6781	3.2	6.5881	1500	6781	6710	4.7333	16.251	1660	6710	6668	2.5301	17.567				0	0				0	0				0	0			0	40.405	0.4041	H19
H20				0	0	500	6770	6744	5.2	5.1681				0	0	2360	6744	6710	1.4407	33.096				0	0				0	0				0	0			0	38.264	0.3826	H20
H21				0	0				0	0				0	0	2380	6790	6713	3.2353	22.272				0	0				0	0				0	0			0	22.272	0.2227	H21
H22				0	0	500	6739	6717	4.4	5.6183	2000	6717	6630	4.35	22.602	2380	6630	6590	1.6807	30.902				0	0				0	0				0	0			0	59.122	0.5912	H22
H23				0	0	500	6763	6720	8.6	4.0187	420	6720	6670	11.905	2.8691	2280	6670	6618	2.2807	25.413				0	0				0	0				0	0			0	32.3	0.323	H23
J1				0	0	500	6870	6814	11.2	3.5215				0	0				0	0				0	0	4140	6814	6705	2.6329	21.474				0	0			0	24.995	0.25	J1
J2				0	0				0	0				0	0				0	0				0	0	5520	6796	6590	3.7319	24.049				0	0			0	24.049	0.2405	J2
J3				0	0	***300***	***6797***	***6780***	***5.667***	***2.97***				0	0				0	0				0	0	***1840***	***6780***	***6676***	***5.652***	***6.514***				0	0	***5340***	***8.3***	***10.72***	***20.21***	***0.202***	J3
K1				0	0	500	6862	6815	9.4	3.8439	3060	6815	6680	4.4118	34.338	880	6680	6668	1.3636	12.685				0	0				0	0				0	0			0	50.867	0.5087	K1
K2				0	0	500	6848	6810	7.6	4.2749	560	6810	6776	6.0714	5.3568	3400	6776	6660	3.4118	30.984				0	0				0	0				0	0			0	40.616	0.4062	K2
K3				0	0	130	6740	6732	6.1538	1.2352				0	0				0	0				0	0	3720	6732	6644	2.3656	20.356				0	0			0	21.591	0.2159	K3
K4				0	0	500	6794	6778	3.2	6.5881	880	6778	6730	5.4545	8.8811	3520	6660	6590	1.9886	42.016				0	0	1280	6730	6660	5.4688	4.6066				0	0			0	62.092	0.6209	K4
L1				0	0	300	6778	6764	4.6667	3.2733				0	0				0	0				0	0	3470	6764	6632	3.804	14.974				0	0			0	18.247	0.1825	L1
L2				0	0	500	6660	6636	4.8	5.3791	880	6636	6590	5.2273	9.0721				0	0				0	0				0	0				0	0	***2880***	***7.6***	***6.316***	***20.77***	***0.208***	L2
M1				0	0	500	6768	6730	7.6	4.2749	1150	6730	6690	3.4783	14.534				0	0				0	0				0	0				0	0			0	18.809	0.1881	M1
M2				0	0	500	6706	6692	2.8	7.043	460	6692	6680	2.6087	6.7129				0	0				0	0	1500	6680	6581	6.6	4.914				0	0	720	7	1.7143	20.384	0.2038	M2
M3				0	0	300	6784	6764	6.6667	2.7386				0	0	2600	6764	6690	2.8462	25.941				0	0	2660	6690	6560	4.8872	10.127				0	0			0	38.807	0.3881	M3
M4				0	0	500	6746	6698	9.6	3.8036	2280	6698	6600	4.2982	25.921				0	0	***1000***	***6600***	***6576***	***2.4***	***7.136***	920	6576	6560.6	1.6739	5.9847				0	0			0	***42.85***	***0.428***	M4
M5				0	0	500	6729	6691	7.6	4.2749	1570	6691	6566	7.9618	13.115				0	0				0	0	520	6566	6542	4.6154	2.0371				0	0	500	7	1.1905	20.617	0.2062	M5
M6				0	0	500	6620	6580	8	4.1667				0	0				0	0				0	0	2840	6580	6497	2.9225	13.982				0	0	400	7	0.9524	19.101	0.191	M6
O1				0	0	500	6834	6780	10.8	3.5861				0	0				0	0				0	0	2660	6780	6691	3.3459	12.239				0	0			0	15.825	0.1583	O1
O2				0	0	300	6773	6766	2.3333	4.6291				0	0				0	0				0	0	4100	6766	6580	4.5366	16.201				0	0			0	20.83	0.2083	O2
P1				0	0	160	6764	6760	2.5	2.3851				0	0				0	0				0	0	4620	6760	6532	4.9351	17.503				0	0			0	19.888	0.1989	P1
P2				0	0	100	6754	6752	2	1.6667				0	0				0	0				0	0	3300	6752	6617	4.0909	13.732				0	0			0	15.398	0.154	P2
P3				0	0	300	6646	6604	14	1.8898				0	0				0	0				0	0	3800	6604	6504	2.6316	19.715				0	0			0	21.605	0.216	P3
Q1				0	0	300	6822	6810	4	3.5355				0	0				0	0				0	0	2360	6810	6668	6.0169	8.0973				0	0			0	11.633	0.1163	Q1
Q2				0	0	300	6773	6759	4.6667	3.2733				0	0				0	0				0	0	4100	6759	6576	4.4634	16.333				0	0			0	19.606	0.1961	Q2
Q3				0	0	300	6710	6701	3	4.0825	260	6701	6698	1.1538	5.7051				0	0				0	0	2800	6698	6560	4.9286	10.615				0	0			0	20.402	0.204	Q3
Q4				0	0				0	0	1440	6620	6510	7.6389	12.28	1250	6510	6476	2.72	12.758				0	0	960	6656	6620	3.75	4.1723				0	0			0	29.21	0.2921	Q4
Q5				0	0				0	0				0	0				0	0				0	0	4100	6640	6481	3.878	17.522				0	0			0	17.522	0.1752	Q5
Q6				0	0	200	6535	6526	4.5	2.2222				0	0				0	0	***2680***	***6456***	***6420***	***1.343***	***25.56***	1340	6526	6450	5.6716	4.7355				0	0			0	***32.52***	***0.325***	Q6
Q7				0	0	200	6544	6516	14	1.2599				0	0				0	0	2400	6400	6358	1.75	20.057	2040	6516	6400	5.6863	7.2				0	0			0	28.517	0.2852	Q7
Q8				0	0	***200***	***6434***	***6430***	***2***	***3.333***				0	0				0	0				0	0	***1420***	***6430***	***6390***	***2.817***	***7.121***				0	0	***3700***	***10.6***	***5.818***	***16.27***	***0.163***	Q8
S1				0	0	300	6593	6578	5	3.1623				0	0	1000	6490	6434	5.6	7.113				0	0	1940	6578	6490	4.5361	7.6662				0	0			0	17.942	0.1794	S1
S2				0	0	300	6614	6600	4.6667	3.2733	780	6600	6560	5.1282	8.1185				0	0				0	0	1200	6560	6424	11.333	3				0	0			0	14.392	0.1439	S2
S3				0	0	200	6545	6536	4.5	2.2222				0	0				0	0				0	0	4680	6536	6380	3.3333	21.574				0	0			0	23.796	0.238	S3
T1A				0	0	300	6561	6543	6	2.8868	900	6543	6490	5.8889	8.7416	1900	6490	6429	3.2105	17.849				0	0				0	0				0	0			0	29.477	0.2948	T1A
T1B				0	0	300	6479	6460	6.3333	2.8098				0	0	620	6400	6380	3.2258	5.8106				0	0	2380	6460	6400	2.521	12.616				0	0			0	21.236	0.2124	T1B
T2				0	0	300	6710	6694	5.3333	3.0619	2540	6694	6576	4.6457	27.776				0	0				0	0	1600	6576	6530	2.875	7.9418				0	0			0	38.78	0.3878	T2
T3				0	0	300	6659	6642	5.6667	2.9704	2120	6642	6540	4.8113	22.781	1200	6540	6480	5	9.0333				0	0				0	0				0	0			0	34.784	0.3478	T3
T4A				0	0	300	6510	6500	3.3333	3.873	1060	6468	6426	3.9623	12.552	800	6500	6468	4	6.733				0	0	1320	6426	6398	2.1212	7.6278				0	0			0	30.785	0.3079	T4A
T4B				0	0	300	6482	6472	3.3333	3.873	300	6472	6464	2.6667	4.3301	1000	6430	6398	3.2	9.4097				0	0	1140	6464	6430	2.9825	5.5557				0	0			0	23.168	0.2317	T4B
V1				0	0	300	6524	6450	24.667	1.4237				0	0				0	0				0	0	5600	6450	6370	1.4286	39.433				0	0			0	40.856	0.4086	V1
V2				0	0	***300***	***6352***	***6315***	***12.33***	***2.013***				0	0				0	0				0	0				0	0				0	0	***4520***	***11.3***	***6.667***	***8.68***	***0.087***	V2
W1				0	0	***300***	***6390***	***6382***	***2.667***	***4.33***				0	0				0	0				0	0	***720***	***6382***	***6370***	***1.667***	***4.694***				0	0	***3700***	***10.6***	***5.818***	***14.84***	***0.148***	W1
W2				0	0	300	6356	6341.5	4.8333	3.2163	600	6341.5	6304	6.25	5.6569				0	0				0	0				0	0				0	0	***2160***	***10.6***	***3.396***	***12.27***	***0.123***	W2
W3				0	0	150	6334	6332	1.3333	3.0619				0	0				0	0				0	0	1430	6332	6260	5.035	5.3636				0	0	***1500***	***11.3***	***2.212***	***10.64***	***0.106***	W3

HEC-1 Output
Future Land Use Condition
100-Year 24-Hour Storm

Cottonwood Creek DBPS
January, 1999

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1*****************************************
*                                       *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*            SEPTEMBER 1990             *
*             VERSION 4.0               *
*                                       *
*  RUN DATE  12/31/1998  TIME  14:31:44 *
*                                       *
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*                                       *
*    U.S. ARMY CORPS OF ENGINEERS       *
*    HYDROLOGIC ENGINEERING CENTER      *
*          609 SECOND STREET            *
*       DAVIS, CALIFORNIA 95616         *
*           (916) 756-1104              *
*                                       *
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X     X  XXXXXXX   XXXXX          X
X     X  X        X     X        XX
X     X  X        X              X
XXXXXXX  XXXX     X        XXXXX X
X     X  X        X              X
X     X  X        X     X        X
X     X  XXXXXXX  XXXXX          XXX
```

THIS PROGRAM REPLACES ALL PREVIOUS VERSIONS OF HEC-1 KNOWN AS HEC1 (JAN 73), HEC1GS, HEC1DB, AND HEC1KW.

THE DEFINITIONS OF VARIABLES -RTIMP- AND -RTIOR- HAVE CHANGED FROM THOSE USED WITH THE 1973-STYLE INPUT STRUCTURE.
THE DEFINITION OF -AMSKK- ON RM-CARD WAS CHANGED WITH REVISIONS DATED 28 SEP 81. THIS IS THE FORTRAN77 VERSION
NEW OPTIONS: DAMBREAK OUTFLOW SUBMERGENCE , SINGLE EVENT DAMAGE CALCULATION, DSS:WRITE STAGE FREQUENCY,
DSS:READ TIME SERIES AT DESIRED CALCULATION INTERVAL LOSS RATE:GREEN AND AMPT INFILTRATION
KINEMATIC WAVE: NEW FINITE DIFFERENCE ALGORITHM

1 HEC-1 INPUT PAGE 1

```
LINE          ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10
   1          ID    COTTONWOOD CREEK DBPS AYRES PROJECT NO. 34-0330.00
   2          ID    FUTURE CONDITIONS - INPUT FILE 100FREV1.INP
   3          ID    CN AND LAGS REVISED BASED UPON SEPTEMBER 4TH, 1996 MEETING WITH
   4          ID    CITY OF COLORADO SPRINGS ENGINEERING STAFF
   5          ID    FURTHER REVISED BASED ON LAND USE REVISIONS:
   6          ID    A PORTION OF BASIN H5 WAS ADDED TO D3 (RENAMED H5A AND D3A)
   7          ID    H8 DIVIDED INTO H8A AND H8B AT OAKWOOD
   8          ID    CURVE NUMBERS FOR H5A, H6, H7, H8A, AND H8B CHANGED
   9          ID    100 YEAR 24 HOUR STORM - RUN DATE 12-31-98
              *DIAGRAM
  10          IT       5 01SEP89     800     300
  11          IO       5

  12          KK      A1
  13          KM     RUNOFF FROM  A1
  14          BA   0.188
  15          LS       0    61.0
  16          UD   0.450
  17          KM     DESIGN POINT 1
  18          IN      15
  19          PB   4.136
  20          PC   .0000   .0005   .0015   .0030   .0045   .0060   .0080   .0100   .0120   .0143
  21          PC   .0165   .0188   .0210   .0233   .0255   .0278   .0320   .0390   .0460   .0530
  22          PC   .0600   .0750   .1000   .4000   .7000   .7250   .7500   .7650   .7800   .7900
  23          PC   .8000   .8100   .8200   .8250   .8300   .8350   .8400   .8450   .8500   .8550
  24          PC   .8600   .8638   .8675   .8713   .8750   .8788   .8825   .8863   .8900   .8938
  25          PC   .8975   .9013   .9050   .9083   .9115   .9148   .9180   .9210   .9240   .9270
  26          PC   .9300   .9325   .9350   .9375   .9400   .9425   .9450   .9475   .9500   .9525
  27          PC   .9550   .9575   .9600   .9625   .9650   .9675   .9700   .9725   .9750   .9775
  28          PC   .9800   .9813   .9825   .9838   .9850   .9863   .9875   .9888   .9900   .9913
  29          PC   .9925   .9938   .9950   .9963   .9975   .9988  1.000

  30          KK     1-2
  31          KM     ROUTE TO DESIGN POINT 2
  32          RD    2300    .033    .060       0    TRAP       5      15

  33          KK      A3
  34          KM     RUNOFF FROM  A3
  35          BA   0.162
  36          LS       0    61.0
  37          UD   0.380

  38          KK       2
  39          KM     COMBINE 1-2 AND A3
  40          HC       2

  41          KK     2-3
  42          KM     ROUTE TO DESIGN POINT 3
  43          RD    3500    .020    .060       0    TRAP       8      15
```

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LINE      ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

  44      KK      A2
  45      KM     RUNOFF FROM  A2
  46      BA   0.210
  47      LS       0    61.0
  48      UD   0.530

  49      KK      A4
  50      KM     RUNOFF FROM  A4
  51      BA   0.254
  52      LS       0    61.0
  53      UD   0.460

  54      KK      A5
  55      KM     RUNOFF FROM  A5
  56      BA   0.210
  57      LS       0    61.0
  58      UD   0.410

  59      KK       3
  60      KM     COMBINE 2-3,A2,A4,A5
  61      HC       4

  62      KK     3-4
  63      KM     ROUTE TO DESIGN POINT 4
  64      RD    3500    .030    .060       0    TRAP      10      15

  65      KK      A8
  66      KM     RUNOFF FROM  A8
  67      BA   0.240
  68      LS       0    61.0
  69      UD   0.450

  70      KK      A9
  71      KM     RUNOFF FROM  A9
  72      BA   0.197
  73      LS       0    61.0
  74      UD   0.330

  75      KK       4
  76      KM     COMBINE 3-4,A8,A9
  77      HC       3

  78      KK     4-5
  79      KM     ROUTE TO DESIGN POINT 5
  80      RD    2000    .025    .060       0    TRAP      15      15

  81      KK      A6
  82      KM     RUNOFF FROM  A6
  83      BA   0.141
  84      LS       0    61.0
  85      UD   0.400
```



```
LINE      ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

  86      KK      A7
  87      KM     RUNOFF FROM  A7
  88      BA   0.137
  89      LS       0    61.0
  90      UD   0.400

  91      KK      5A
  92      KM     COMBINE A6,A7
  93      HC       2

  94      KK    5A-5
  95      KM     ROUTE TO DESIGN POINT 5
  96      RD    3900    .031    .060       0    TRAP       5      15

  97      KK     A10
  98      KM     RUNOFF FROM  A10
  99      BA   0.169
 100      LS       0    61.0
 101      UD   0.340

 102      KK     A11
 103      KM     RUNOFF FROM  A11
 104      BA   0.119
 105      LS       0    61.0
 106      UD   0.420

 107      KK     A12
 108      KM     RUNOFF FROM  A12
 109      BA   0.119
 110      LS       0    61.0
 111      UD   0.290

 112      KK     A13
 113      KM     RUNOFF FROM  A13
 114      BA   0.161
 115      LS       0    61.0
 116      UD   0.460
```

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                117          KK      B1
                118          KM     RUNOFF FROM  B1
                119          BA   0.192
                120          LS      0    62.7
                121          UD   0.190

                122          KK      5
                123          KM     COMBINE 4-5,5A-5,A10,A11,A12,A13,B1
                124          HC      7

                125          KK     5-6
                126          KM     ROUTE TO DESIGN POINT 6
                127          RD    6000    .015    .035       0    TRAP      20      15
1                                                  HEC-1 INPUT                                                    PAGE  4

              LINE           ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

                128          KK      B2
                129          KM     RUNOFF FROM  B2
                130          BA   0.107
                131          LS      0    78.0
                132          UD   0.160

                133          KK   B2-6A
                134          KM     ROUTE TO DESIGN POINT 6A
                135          RD    3000    .035    .060       0    TRAP       5      15

                136          KK      B6
                137          KM     RUNOFF FROM  B6
                138          BA   0.183
                139          LS      0    78.8
                140          UD   0.410

                141          KK      6A
                142          KM     COMBINE B2-6A,B6
                143          HC      2

                144          KK      B3
                145          KM     RUNOFF FROM  B3
                146          BA   0.146
                147          LS      0    74.9
                148          UD   0.220

                149          KK      B4
                150          KM     RUNOFF FROM  B4
                151          BA   0.104
                152          LS      0    74.3
                153          UD   0.220

                154          KK      6
                155          KM     COMBINE 5-6,6A,B3,B4
                156          HC      4

                157          KK     6-7
                158          KM     ROUTE TO DESIGN POINT 7
                159          RD    5500    .018    .035       0    TRAP      20      15

                160          KK      B8
                161          KM     RUNOFF FROM  B8
                162          BA   0.159
                163          LS      0    81.6
                164          UD   0.410

                165          KK      7
                166          KM     COMBINE 6-7,B8
                167          HC      2
1                                                  HEC-1 INPUT                                                    PAGE  5

              LINE           ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

                168          KK     7-8
                169          KM     ROUTE TO DESIGN POINT 8
                170          RD
                171          RC    .040    .035    .040    3500    .018
                172          RX       0      76      83     138     144     189     214     291
                173          RY    6940    6930    6920    6914    6914    6920    6930    6940

                174          KK      C2
                175          KM     RUNOFF FROM  C2
                176          BA   0.154
                177          LS      0    61.0
                178          UD   0.130

                179          KK   C2-8A
                180          KM     ROUTE TO DESIGN POINT 8A
                181          RD    3000    .035    .060       0    TRAP       5      15

                182          KK      C3
                183          KM     RUNOFF FROM  C3
                184          BA   0.162
                185          LS      0    63.7
                186          UD   0.230

                187          KK      8A
                188          KM     COMBINE C2-8A,C3
                189          HC      2
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 190          KK   8A-8B
 191          KM     ROUTE 8A TO DESIGN POINT 8B
 192          RD    4000    .030    .060       0    TRAP       8      15

 193          KK      C4
 194          KM     RUNOFF FROM  C4
 195          BA   0.224
 196          LS       0    65.9
 197          UD   0.220

 198          KK   C4-8B
 199          KM     ROUTE C4 TO DESIGN POINT 8B
 200          RD    3000    .030    .060       0    TRAP       5      15

 201          KK      C7
 202          KM     RUNOFF FROM  C7
 203          BA   0.156
 204          LS       0    78.3
 205          UD   0.280

 206          KK      8B
 207          KM     COMBINE 8A-8B,C4-8B,C7
 208          HC       3
1                                        HEC-1 INPUT                                                    PAGE  6

      LINE    ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 209          KK      C1
 210          KM     RUNOFF FROM  C1
 211          BA   0.165
 212          LS       0    67.5
 213          UD   0.180

 214          KK     C13
 215          KM     RUNOFF FROM  C13
 216          BA   0.125
 217          LS       0    69.8
 218          UD   0.130

 219          KK      8C
 220          KM     COMBINE C1,C13
 221          HC       2

 222          KK   8C-8D
 223          KM     ROUTE 8C TO DESIGN POINT 8D
 224          RD    4500    .027    .060       0    TRAP       5      15

 225          KK      C6
 226          KM     RUNOFF FROM  C6
 227          BA   0.107
 228          LS       0    79.6
 229          UD   0.230

 230          KK      8D
 231          KM     COMBINE 8C-8D,C6
 232          HC       2

 233          KK      8E
 234          KM     COMBINE 8B,8D
 235          HC       2

 236          KK   8E-8G
 237          KM     ROUTE 8E TO DESIGN POINT 8G
 238          RD    3000    .018    .035       0    TRAP      10      15

 239          KK      C5
 240          KM     RUNOFF FROM  C5
 241          BA   0.227
 242          LS       0    68.5
 243          UD   0.240

 244          KK   C5-8F
 245          KM     ROUTE C5 TO DESIGN POINT 8F
 246          RD    6300    .030    .060       0    TRAP       5      15

 247          KK      C8
 248          KM     RUNOFF FROM  C8
 249          BA   0.171
 250          LS       0    79.8
 251          UD   0.370
1                                        HEC-1 INPUT                                                    PAGE  7

      LINE    ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 252          KK      8F
 253          KM     COMBINE C5-8F,C8
 254          HC       2

 255          KK      C9
 256          KM     RUNOFF FROM  C9
 257          BA   0.206
 258          LS       0    78.0
 259          UD   0.360

 260          KK     C10
 261          KM     RUNOFF FROM  C10
 262          BA   0.106
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 263          LS       0    76.1
 264          UD   0.420

 265          KK     C11
 266          KM     RUNOFF FROM  C11
 267          BA   0.125
 268          LS       0    80.5
 269          UD   0.270

 270          KK      8G
 271          KM     COMBINE 8E-8G,8F,C9,C10,C11
 272          HC       5

 273          KK    8G-8
 274          KM     ROUTE 8G TO DESIGN POINT 8
 275          RD    4000    .028    .035       0    TRAP       15       15

 276          KK      B5
 277          KM     RUNOFF FROM  B5
 278          BA   0.107
 279          LS       0    82.3
 280          UD   0.200

 281          KK   B5-8H
 282          KM     ROUTE B5 TO DESIGN POINT 8H
 283          RD    4800    .035    .060       0    TRAP        5       15

 284          KK      B7
 285          KM     RUNOFF FROM  B7
 286          BA   0.297
 287          LS       0    77.2
 288          UD   0.290

 289          KK      8H
 290          KM     COMBINE B5-8H,B7
 291          HC       2
1                                        HEC-1 INPUT                                        PAGE  8

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 292          KK      B9
 293          KM     RUNOFF FROM  B9
 294          BA   0.169
 295          LS       0    81.7
 296          UD   0.330

 297          KK       8
 298          KM     COMBINE 7-8,8G-8,8H,B9
 299          HC       4

 300          KK     8-9
 301          KM     ROUTE 8 TO DESIGN POINT 9
 302          RD
 303          RC    .040    .040    .040    3000    .015
 304          RX      23      69      90     115     149     197     209     254
 305          RY    6910    6899    6886    6880    6880    6892    6890    6907

 306          KK     C14
 307          KM     RUNOFF FROM  C14
 308          BA   0.104
 309          LS       0    75.0
 310          UD   0.170

 311          KK  C14-9A
 312          KM     ROUTE C14 TO DESIGN POINT 9A
 313          RD    2500    .032    .060       0    TRAP        5       15

 314          KK     C15
 315          KM     RUNOFF FROM  C15
 316          BA   0.085
 317          LS       0    76.3
 318          UD   0.170

 319          KK      9A
 320          KM     COMBINE C14-9A,C15
 321          HC       2

 322          KK   9A-9B
 323          KM     ROUTE 9A TO DESIGN POINT 9B
 324          RD    6800    .030    .060       0    TRAP        8       15

 325          KK     C17
 326          KM     RUNOFF FROM  C17
 327          BA   0.088
 328          LS       0    77.1
 329          UD   0.320

 330          KK     C18
 331          KM     RUNOFF FROM  C18
 332          BA   0.201
 333          LS       0    75.1
 334          UD   0.410
1                                        HEC-1 INPUT                                        PAGE  9

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 335          KK      9B
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336          KM     COMBINE 9A-9B,C17,C18
337          HC       3

338          KK     C12
339          KM     RUNOFF FROM  C12
340          BA   0.112
341          LS       0    81.2
342          UD   0.200

343          KK      D1
344          KM     RUNOFF FROM  D1
345          BA   0.165
346          LS       0    83.0
347          UD   0.290

348          KK      D2
349          KM     RUNOFF FROM  D2
350          BA   0.199
351          LS       0    84.7
352          UD   0.320

353          KK       9
354          KM     COMBINE 8-9,9B,C12,D1,D2
355          HC       5

356          KK    9-10
357          KM     ROUTE 9 TO DESIGN POINT 10
358          RD
359          RC    .040    .040    .040    1800    .017
360          RX       0     108     121     125     159     205     230     276
361          RY    6840    6826    6810    6808    6808    6812    6824    6840

362          KK     C19
363          KM     RUNOFF FROM  C19
364          BA   0.112
365          LS       0    75.9
366          UD   0.320

367          KK      D4
368          KM     RUNOFF FROM  D4
369          BA   0.118
370          LS       0    86.6
371          UD   0.330

372          KK      10
373          KM     COMBINE 9-10,C19,D4
374          HC       3
1                                        HEC-1 INPUT                                        PAGE 10
LINE         ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

375          KK   10-11
376          KM     ROUTE 10 TO DESIGN POINT 11
377          RD
378          RC    .040    .040    .040    1100    .018
379          RX       0       9      15      48      82     117     135     140
380          RY    6800    6790    6788    6786    6786    6788    6796    6800

381          KK      E1
382          KM     RUNOFF FROM  E1
383          BA   0.093
384          LS       0    73.0
385          UD   0.160

386          KK  E1-11A
387          KM     ROUTE E1 TO DESIGN POINT 11A
388          RD    3000    .035    .060       0    TRAP       5      15

389          KK      E3
390          KM     RUNOFF FROM  E3
391          BA   0.146
392          LS       0    84.7
393          UD   0.200

394          KK     11A
395          KM     COMBINE E1-11A,E3
396          HC       2

397          KK  11A11B
398          KM     ROUTE 11A TO DESIGN POINT 11B
399          RD    3300    .030    .060       0    TRAP       8      15

400          KK      E5
401          KM     RUNOFF FROM  E5
402          BA   0.127
403          LS       0    84.9
404          UD   0.320

405          KK     11B
406          KM     COMBINE 11A11B,E5
407          HC       2

408          KK      E2
409          KM     RUNOFF FROM  E2
410          BA   0.090
411          LS       0    89.5
412          UD   0.190
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 413          KK  E2-11C
 414          KM     ROUTE E2 TO DESIGN POINT 11C
 415          RD    3300    .030    .060       0    TRAP       5      15
1                                        HEC-1 INPUT                                                    PAGE 11

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 416          KK      E4
 417          KM     RUNOFF FROM  E4
 418          BA   0.154
 419          LS      0    78.0
 420          UD   0.400

 421          KK     11C
 422          KM     COMBINE E2-11C,E4
 423          HC       2

 424          KK     11D
 425          KM     COMBINE 11B,11C
 426          HC       2

 427          KK  11D11F
 428          KM     ROUTE 11D TO DESIGN POINT 11F
 429          RD    2000    .036    .035       0    TRAP       8      15

 430          KK      E6
 431          KM     RUNOFF FROM  E6
 432          BA   0.045
 433          LS      0    73.5
 434          UD   0.300

 435          KK  E6-11E
 436          KM     ROUTE E6 TO DESIGN POINT 11E
 437          RD    4000    .030    .060       0    TRAP       5      15

 438          KK      E8
 439          KM     RUNOFF FROM  E8
 440          BA   0.124
 441          LS      0    84.5
 442          UD   0.240

 443          KK     11E
 444          KM     COMBINE E6-11E,E8
 445          HC       2

 446          KK      E7
 447          KM     RUNOFF FROM  E7
 448          BA   0.118
 449          LS      0    82.4
 450          UD   0.320

 451          KK     11F
 452          KM     COMBINE 11D11F,11E,E7
 453          HC       3

 454          KK  11F11P
 455          KM     ROUTE 11F TO DESIGN POINT 11P
 456          RD    3300    .028    .035       0    TRAP      10      15
1                                        HEC-1 INPUT                                                    PAGE 12

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 457          KK      E9
 458          KM     RUNOFF FROM  E9
 459          BA   0.112
 460          LS      0    77.0
 461          UD   0.120

 462          KK     E10
 463          KM     RUNOFF FROM  E10
 464          BA   0.103
 465          LS      0    76.1
 466          UD   0.120

 467          KK    11CP
 468          KM     COMBINE 11F11P,E9,E10
 469          HC       3

 470          KK     11P
 471          KM    FAIRFAX POND BY JR ENGINEERING - AS BUILT
 472          SV      0     9.0    21.1    38.0    60.0    88.2    96.0   104.8   108.0   115.2
 473          SE   6788    6800    6804    6808    6812    6816    6817    6818    6819    6820
 474          SQ      0     190     225     260     290     320     805    1666    2771    4076
 475          RS      1    ELEV    6788

 476          KK  11P-11
 477          KM     ROUTE 11P TO DESIGN POINT 11
 478          RD     800    .026    .035       0    TRAP      10      15

 479          KK     E11
 480          KM     RUNOFF FROM  E11
 481          BA   0.100
 482          LS      0    75.7
 483          UD   0.300

 484          KK   11P11
 485          KM     COMBINE 11P-11,E11
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 486          HC       2

 487          KK     C16
 488          KM     RUNOFF FROM  C16
 489          BA   0.141
 490          LS       0    76.2
 491          UD   0.250

 492          KK  C1611G
 493          KM     ROUTE C16 TO DESIGN POINT 11G
 494          RD    4800    .030    .060       0    TRAP       5      15

 495          KK     C20
 496          KM     RUNOFF FROM  C20
 497          BA   0.113
 498          LS       0    79.6
 499          UD   0.360
1                                      HEC-1 INPUT                                                    PAGE 13
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 500          KK     11G
 501          KM     COMBINE C16-11G,C20
 502          HC       2

 503          KK      11
 504          KM     COMBINE 10-11,11F11P,11G
 505          HC       3

 506          KK   11-12
 507          KM     ROUTE 11 TO DESIGN POINT 12
 508          RD
 509          RC    .040    .040    .040    5500    .018
 510          RX      68      96     138     158     206     207     244     268
 511          RY    6752    6730    6730    6728    6728    6730    6738    6752

 512          KK      G1
 513          KM     RUNOFF FROM  G1
 514          BA   0.180
 515          LS       0    81.7
 516          UD   0.180

 517          KK  G1-12A
 518          KM     ROUTE G1 TO DESIGN POINT 12A
 519          RD    2400    .023    .060       0    TRAP       5      15

 520          KK      G3
 521          KM     RUNOFF FROM  G3
 522          BA   0.183
 523          LS       0    79.4
 524          UD   0.270

 525          KK     12A
 526          KM     COMBINE G1-12A,G3
 527          HC       2

 528          KK      G2
 529          KM     RUNOFF FROM  G2
 530          BA   0.107
 531          LS       0    75.3
 532          UD   0.150

 533          KK  G2-12B
 534          KM     ROUTE G2 TO DESIGN POINT 12B
 535          RD    2900    .042    .035       0    TRAP       5       8

 536          KK      G4
 537          KM     RUNOFF FROM  G4
 538          BA   0.132
 539          LS       0    87.0
 540          UD   0.230
1                                      HEC-1 INPUT                                                    PAGE 14
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 541          KK     12B
 542          KM     COMBINE 12A,G2-12B,G4
 543          HC       3

 544          KK  12B12C
 545          KM     ROUTE 12B TO DESIGN POINT 12C
 546          RD    2500    .025    .015       0    TRAP      10       5

 547          KK      G5
 548          KM     RUNOFF FROM  G5
 549          BA   0.118
 550          LS       0    76.3
 551          UD   0.190

 552          KK      G6
 553          KM     RUNOFF FROM  G6
 554          BA   0.139
 555          LS       0    78.1
 556          UD   0.200

 557          KK     12C
 558          KM     COMBINE 12B-12C,G5,G6
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 559          HC       3

 560          KK  12CP12
 561          KM     ROUTE 12CP TO DESIGN POINT 12
 562          RD    2300    .038    .035       0    TRAP       15       8

 563          KK     D3A
 564          KM    RUNOFF FROM  D3A
 565          BA   0.238
 566          LS       0    93.0
 567          UD   0.320

 568          KK  D3-12D
 569          KM     ROUTE D3 TO DESIGN POINT 12D
 570          RD    2300    .037    .035       0    TRAP       5       4

 571          KK      D5
 572          KM     RUNOFF FROM  D5
 573          BA   0.128
 574          LS       0    91.8
 575          UD   0.210

 576          KK     12D
 577          KM     COMBINE D3-12D,D5
 578          HC       2

 579          KK      F1
 580          KM     RUNOFF FROM  F1
 581          BA   0.137
 582          LS       0    79.7
 583          UD   0.480
1                                        HEC-1 INPUT                                                    PAGE 15

 LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 584          KK      G7
 585          KM     RUNOFF FROM  G7
 586          BA   0.171
 587          LS       0    77.4
 588          UD   0.290

 589          KK      G8
 590          KM     RUNOFF FROM  G8
 591          BA   0.081
 592          LS       0    80.1
 593          UD   0.170

 594          KK     H21
 595          KM     RUNOFF FROM  H21
 596          BA   0.081
 597          LS       0    92.0
 598          UD   0.220

 599          KK      12
 600          KM     COMBINE 11-12,12C-12,12D,F1,G7,G8,H21
 601          HC       7

 602          KK   12-13
 603          KM     ROUTE 12 TO DESIGN POINT 13
 604          RD
 605          RC    .040    .040    .040    5400    .015
 606          RX       0     270     297     314     348     439     460     503
 607          RY    6660    6652    6648    6648    6640    6636    6644    6660

 608          KK     H5A
 609          KM    RUNOFF FROM  H5A
 610          BA   0.251
 611          LS       0    67.8
 612          UD   0.400

 613          KK  TRIP60
 614          KM    Route through triple 60' CMP culvert - no road overtopping
 615          RS       1    STOR       0
 616          SV       0     0.1    1000
 617          SQ       0     595     595

 618          KK  60-13B
 619          KM     ROUTE TRIP60 TO DESIGN POINT 13B
 620          RD    2200    .025    .035       0    TRAP       5      15

 621          KK      H6
 622          KM     RUNOFF FROM  H6
 623          BA   0.214
 624          LS       0    67.2
 625          UD   0.230
1                                        HEC-1 INPUT                                                    PAGE 16

 LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 626          KK  TWIN42
 627          KM    Route through twin 42' CMP culvert - no road overtopping
 628          RS       1    STOR       0
 629          SV       0     0.1    1000
 630          SQ       0     149     149

 631          KK  42-13B
 632          KM     ROUTE TWIN42 TO DESIGN POINT 13B
```

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633          RD    2000    .025    .035       0    TRAP       5      15

634          KK      H7
635          KM     RUNOFF FROM  H7
636          BA   0.140
637          LS       0    88.7
638          UD   0.330

639          KK     13B
640          KM     COMBINE TRIP60-13B,TWIN42-13B,H7
641          HC       3

642          KK  13BOAK
643          KM     ROUTE 13B TO DESIGN POINT OAKWOOD
644          RD    1400    .020    .035       0    TRAP       8      15

645          KK     H8A
646          KM    RUNOFF FROM  H8A
647          BA   0.078
648          LS       0    77.4
649          UD   0.240

650          KK  OAKWOD
651          KM     COMBINE 13B-OAK,H8A
652          HC       2

653          KK  OAK13C
654          KM     ROUTE OAKWOOD TO DESIGN POINT 13C
655          RD    1000    .020    .035       0    TRAP       8      15

656          KK     H8B
657          KM    RUNOFF FROM  H8B
658          BA   0.047
659          LS       0    75.0
660          UD   0.240

661          KK     13C
662          KM     COMBINE OAKWOOD-13C, H8B
663          HC       2

664          KK      H2
665          KM     RUNOFF FROM  H2
666          BA   0.106
667          LS       0    88.0
668          UD   0.260
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1

HEC-1 INPUT PAGE 17

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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

669          KK  H2-13D
670          KM     ROUTE H2 TO DESIGN POINT 13D
671          RD    1800    .013    .035       0    TRAP       5      15

672          KK      H1
673          KM     RUNOFF FROM  H1
674          BA   0.169
675          LS       0    87.0
676          UD   0.400

677          KK     13D
678          KM     COMBINE H2-13D,H1
679          HC       2

680          KK  13D13E
681          KM     ROUTE 13D TO DESIGN POINT 13E
682          RD    2400    .015    .035       0    TRAP       8      15

683          KK      H4
684          KM     RUNOFF FROM  H4
685          BA   0.128
686          LS       0    77.5
687          UD   0.170

688          KK     13E
689          KM     COMBINE 13D13E,H4
690          HC       2

691          KK     H16
692          KM     RUNOFF FROM  H16
693          BA   0.106
694          LS       0    80.9
695          UD   0.150

696          KK     H17
697          KM     RUNOFF FROM  H17
698          BA   0.102
699          LS       0    81.2
700          UD   0.120

701          KK     13F
702          KM     COMBINE H16,H17
703          HC       2

704          KK  13F13G
705          KM     ROUTE 13F TO DESIGN POINT 13G
706          RD    3000    .022    .035       0    TRAP       8      15

707          KK     H18
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708          KM     RUNOFF FROM  H18
709          BA   0.173
710          LS      0    80.5
711          UD   0.300
1                                        HEC-1 INPUT                                                    PAGE 18
LINE         ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

712          KK     13G
713          KM     COMBINE 13F13G,H18
714          HC       2

715          KK      H3
716          KM     RUNOFF FROM  H3
717          BA   0.141
718          LS      0    80.2
719          UD   0.250

720          KK     13H
721          KM     COMBINE 13C,13E,13G,H3
722          HC       4

723          KK  13H13I
724          KM     ROUTE 13H TO DESIGN POINT 13I
725          RD    1250    .018    .035       0    TRAP      15      15

726          KK      H9
727          KM     RUNOFF FROM  H9
728          BA   0.173
729          LS      0    80.3
730          UD   0.180

731          KK     13I
732          KM     COMBINE 13H13I,H9
733          HC       2

734          KK  13I13J
735          KM     ROUTE 13I TO DESIGN POINT 13J
736          RD    1800    .015    .035       0    TRAP      15      15

737          KK     H10
738          KM     RUNOFF FROM  H10
739          BA   0.064
740          LS      0    84.8
741          UD   0.230

742          KK     H19
743          KM     RUNOFF FROM  H19
744          BA   0.118
745          LS      0    77.3
746          UD   0.280

747          KK     13J
748          KM     COMBINE 13I13J,H10,H19
749          HC       3

750          KK     H11
751          KM     RUNOFF FROM  H11
752          BA   0.144
753          LS      0    92.0
754          UD   0.320
1                                        HEC-1 INPUT                                                    PAGE 19
LINE         ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

755          KK     H12
756          KM     RUNOFF FROM  H12
757          BA   0.163
758          LS      0    82.8
759          UD   0.230

760          KK     13K
761          KM     COMBINE H11,H12
762          HC       2

763          KK  13K13L
764          KM     ROUTE 13K TO DESIGN POINT 13L
765          RD    1500    .027    .035       0    TRAP       5      15

766          KK     H13
767          KM     RUNOFF FROM  H13
768          BA   0.128
769          LS      0    84.7
770          UD   0.210

771          KK     13L
772          KM     COMBINE 13K13L,H13
773          HC       2

774          KK  13L13M
775          KM     ROUTE 13L TO DESIGN POINT 13M
776          RD    2400    .023    .035       0    TRAP       8      15

777          KK     H14
778          KM     RUNOFF FROM  H14
779          BA   0.115
780          LS      0    90.2
```

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 781          UD   0.350

 782          KK     13M
 783          KM     COMBINE 13L13M,H14
 784          HC       2

 785          KK     H23
 786          KM     RUNOFF FROM  H23
 787          BA   0.105
 788          LS       0     76.0
 789          UD   0.290

 790          KK     13N
 791          KM     COMBINE 13J,13M,H23
 792          HC       3

 793          KK  13N13O
 794          KM     ROUTE 13N TO DESIGN POINT 13O
 795          RD    2800    .020    .035       0    TRAP       20       15
1                                        HEC-1 INPUT                                                    PAGE 20
     LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 796          KK     H15
 797          KM     RUNOFF FROM  H15
 798          BA   0.083
 799          LS       0     90.4
 800          UD   0.450

 801          KK     H20
 802          KM     RUNOFF FROM  H20
 803          BA   0.071
 804          LS       0     65.0
 805          UD   0.260

 806          KK     13O
 807          KM     COMBINE 13N13O,H15,H20
 808          HC       3

 809          KK      K1
 810          KM     RUNOFF FROM  K1
 811          BA   0.169
 812          LS       0     85.8
 813          UD   0.280

 814          KK      K2
 815          KM     RUNOFF FROM  K2
 816          BA   0.187
 817          LS       0     81.4
 818          UD   0.360

 819          KK     13P
 820          KM     COMBINE K1,K2
 821          HC       2

 822          KK  13P13Q
 823          KM     ROUTE 13P TO DESIGN POINT 13Q
 824          RD    2300    .012    .035       0    TRAP       15       15

 825          KK      K3
 826          KM     RUNOFF FROM  K3
 827          BA   0.098
 828          LS       0     82.9
 829          UD   0.220

 830          KK      K4
 831          KM     RUNOFF FROM  K4
 832          BA   0.147
 833          LS       0     82.9
 834          UD   0.360

 835          KK     13Q
 836          KM     COMBINE 13P13Q,K3,K4
 837          HC       3
1                                        HEC-1 INPUT                                                    PAGE 21
     LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 838          KK  13Q13R
 839          KM     ROUTE 13Q TO DESIGN POINT 13R
 840          RD    2000    .015    .035       0    TRAP       20       15

 841          KK      J1
 842          KM     RUNOFF FROM  J1
 843          BA   0.213
 844          LS       0     80.1
 845          UD   0.250

 846          KK  J1-13S
 847          KM     ROUTE J1 TO DESIGN POINT 13S
 848          RD    3100    .030    .035       0    TRAP        5       15

 849          KK      J2
 850          KM     RUNOFF FROM  J2
 851          BA   0.085
 852          LS       0     88.1
 853          UD   0.240
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 854          KK     13S
 855          KM     COMBINE J1-13S,J2
 856          HC       2

 857          KK     H22
 858          KM     RUNOFF FROM  H22
 859          BA   0.178
 860          LS       0    88.5
 861          UD   0.170

 862          KK     J3
 863          KM     RUNOFF FROM  J3
 864          BA   0.132
 865          LS       0    88.8
 866          UD   0.200

 867          KK     13
 868          KM     COMBINE 12-13,13O,13Q13R,13S,H22,J3
 869          HC       6

 870          KK   13-14
 871          KM     ROUTE 13 TO DESIGN POINT 14
 872          RD
 873          RC    .040    .040    .040    2500    .015
 874          RX       0      21      35      89     246     309     315     340
 875          RY    6580    6570    6566    6564    6564    6566    6570    6578

 876          KK     L1
 877          KM     RUNOFF FROM  L1
 878          BA   0.145
 879          LS       0    80.0
 880          UD   0.180
1                                        HEC-1 INPUT                                        PAGE 22

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 881          KK  L1-14A
 882          KM     ROUTE L1 TO DESIGN POINT 14A
 883          RD
 884          RC    .015    .015    .015    1700    .030
 885          RX     100     100  116.00  116.85  119.15  120.00     136     136
 886          RY     100   99.50   99.50   95.50   95.50   99.50   99.50     100

 887          KK     L2
 888          KM     RUNOFF FROM  L2
 889          BA   0.147
 890          LS       0    71.8
 891          UD   0.210

 892          KK     14A
 893          KM     COMBINE L1-14A,L2
 894          HC       2

 895          KK     O1
 896          KM     RUNOFF FROM  O1
 897          BA   0.113
 898          LS       0    82.4
 899          UD   0.160

 900          KK  O1-14B
 901          KM     ROUTE O1 TO DESIGN POINT 14B
 902          RD
 903          RC    .015    .015    .015    3700    .021
 904          RX     100     100  116.00  116.85  119.15  120.00     136     136
 905          RY     100   99.50   99.50   95.50   95.50   99.50   99.50     100

 906          KK     O2
 907          KM     RUNOFF FROM  O2
 908          BA   0.122
 909          LS       0    83.0
 910          UD   0.210

 911          KK     14B
 912          KM     COMBINE O1-14B,O2
 913          HC       2

 914          KK    14AB
 915          KM     COMBINE 14A,14B
 916          HC       2

 917          KK     M1
 918          KM     RUNOFF FROM  M1
 919          BA   0.090
 920          LS       0    88.3
 921          UD   0.190
1                                        HEC-1 INPUT                                        PAGE 23

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 922          KK  M1-14C
 923          KM     ROUTE M1 TO DESIGN POINT 14C
 924          RD
 925          RC    .015    .015    .015    3000    .045
 926          RX     100     100  116.00  116.85  119.15  120.00     136     136
 927          RY     100   99.50   99.50   95.50   95.50   99.50   99.50     100
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 928          KK      M2
 929          KM     RUNOFF FROM  M2
 930          BA   0.205
 931          LS      0    79.7
 932          UD   0.200

 933          KK     14C
 934          KM     COMBINE M1-14C,M2
 935          HC       2

 936          KK      14
 937          KM     COMBINE 13-14,14AB,14C
 938          HC       3

 939          KK   14-15
 940          KM     ROUTE 14 TO DESIGN POINT 15
 941          RD
 942          RC    .040    .040    .040    1600    .015
 943          RX       3       8      17      20     171     177     182     197
 944          RY    6558    6556    6552    6550    6550    6552    6554    6558

 945          KK      M5
 946          KM     RUNOFF FROM  M5
 947          BA   0.102
 948          LS      0    75.9
 949          UD   0.210

 950          KK      P1
 951          KM     RUNOFF FROM  P1
 952          BA   0.122
 953          LS      0    81.4
 954          UD   0.200

 955          KK      15
 956          KM     COMBINE 14-15,M5,P1
 957          HC       3

 958          KK   15-16
 959          KM     ROUTE 15 TO DESIGN POINT 16
 960          RD
 961          RC    .040    .040    .040    2300    .015
 962          RX      60     111     115     120     125     271     275     280
 963          RY    6520    6516    6514    6512    6510    6510    6512    6514
1                                      HEC-1 INPUT                                    PAGE 24
LINE          ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

 964          KK      M3
 965          KM     RUNOFF FROM  M3
 966          BA   0.160
 967          LS      0    80.3
 968          UD   0.390

 969          KK   M3-16
 970          KM     ROUTE M3 TO DESIGN POINT 16
 971          RD
 972          RC    .015    .015    .015    1200    .057
 973          RX     100     100  116.00  116.85  119.15  120.00     136     136
 974          RY     100   99.50   99.50   95.50   95.50   99.50   99.50     100

 975          KK      M4
 976          KM     RUNOFF FROM  M4
 977          BA   0.229
 978          LS      0    72.3
 979          UD   0.430

 980          KK  M4-16B
 981          KM     ROUTE M4 TO DESIGN POINT 16B
 982          RD    2400    .020    .035       0    TRAP       5      15

 983          KK      M6
 984          KM     RUNOFF FROM  M6
 985          BA   0.101
 986          LS      0    80.0
 987          UD   0.190

 988          KK     16B
 989          KM     COMBINE M4-16B,M6
 990          HC       2

 991          KK      P2
 992          KM     RUNOFF FROM  P2
 993          BA   0.084
 994          LS      0    75.0
 995          UD   0.150

 996          KK  P2-16C
 997          KM     ROUTE P2 TO DESIGN POINT 16C
 998          RD
 999          RC    .015    .015    .015    2300    .050
1000          RX     100     100  116.00  116.85  119.15  120.00     136     136
1001          RY     100   99.50   99.50   95.50   95.50   99.50   99.50     100

1002          KK      P3
1003          KM     RUNOFF FROM  P3
1004          BA   0.200
1005          LS      0    76.9
1006          UD   0.220
```

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LINE      ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

1007      KK     16C
1008      KM     COMBINE P2-16C,P3
1009      HC       2

1010      KK      16
1011      KM     COMBINE 15-16,16B,16C,M3-16
1012      HC       4

1013      KK   16-17
1014      KM     ROUTE 16 TO DESIGN POINT 17
1015      RD
1016      RC    .040    .040    .040    3100    .014
1017      RX      30      38      53      88     212     230     232     249
1018      RY    6476    6472    6470    6462    6462    6469    6470    6476

1019      KK      T2
1020      KM     RUNOFF FROM T2
1021      BA   0.159
1022      LS       0    70.7
1023      UD   0.390

1024      KK  T2-17A
1025      KM     ROUTE T2 TO DESIGN POINT 17A
1026      RD   1000     .048    .035       0    TRAP       5      15

1027      KK      T3
1028      KM     RUNOFF FROM  T3
1029      BA   0.117
1030      LS       0    73.1
1031      UD   0.350

1032      KK     17A
1033      KM     COMBINE T2-17A,T3
1034      HC       2

1035      KK  17A-17
1036      KM     ROUTE 17A TO DESIGN POINT 17
1037      RD
1038      RC    .015    .015    .015    1000    .030
1039      RX     100     100  116.00  116.85  119.15  120.00     136     136
1040      RY     100   99.50   99.50   95.50   95.50   99.50   99.50     100

1041      KK     T1A
1042      KM     RUNOFF FROM T1A
1043      BA   0.089
1044      LS       0    82.9
1045      UD   0.290

1046      KK      S1
1047      KM     RUNOFF FROM  S1
1048      BA   0.131
1049      LS       0    78.1
1050      UD   0.180
```



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LINE      ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

1051      KK      S2
1052      KM     RUNOFF FROM  S2
1053      BA   0.134
1054      LS       0    82.9
1055      UD   0.140

1056      KK      17
1057      KM     COMBINE 16-17,17A-17,T1A,S1,S2
1058      HC       5

1059      KK   17-18
1060      KM     ROUTE 17 TO DESIGN POINT 18
1061      RD
1062      RC    .040    .040    .040    2400    .018
1063      RX      68     111     144     149     199     214     218     252
1064      RY    6430    6418    6416    6414    6414    6416    6420    6430

1065      KK     T4A
1066      KM     RUNOFF FROM  T4A
1067      BA   0.095
1068      LS       0    78.1
1069      UD   0.310

1070      KK  T4A18A
1071      KM     ROUTE T4A TO DESIGN POINT 18A
1072      RD
1073      RC    .015    .015    .015    1200    .033
1074      RX     100     100  116.00  116.85  119.15  120.00     136     136
1075      RY     100   99.50   99.50   95.50   95.50   99.50   99.50     100

1076      KK     T1B
1077      KM     RUNOFF FROM  T1B
1078      BA   0.127
1079      LS       0    77.4
1080      UD   0.210
```

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1081          KK     18A
1082          KM     COMBINE T4A18A,T1B
1083          HC       2

1084          KK      S3
1085          KM     RUNOFF FROM  S3
1086          BA   0.183
1087          LS       0    79.9
1088          UD   0.240

1089          KK      18
1090          KM     COMBINE 17-18,18A,S3
1091          HC       3
1
                                        HEC-1 INPUT                                                    PAGE 27
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1092          KK   18-19
1093          KM     ROUTE 18 TO DESIGN POINT 19
1094          RD
1095          RC    .040    .040    .040    3700    .020
1096          RX      21      59      82     123     158     168     219     268
1097          RY    6380    6366    6364    6342    6342    6344    6349    6380

1098          KK      Q1
1099          KM     RUNOFF FROM  Q1
1100          BA   0.102
1101          LS       0    80.4
1102          UD   0.120

1103          KK  Q1-19A
1104          KM     ROUTE Q1 TO DESIGN POINT 19A
1105          RD
1106          RC    .015    .015    .015    2200    .048
1107          RX     100     100  116.00  116.85  119.15  120.00     136     136
1108          RY     100   99.50   99.50   95.50   95.50   99.50   99.50     100

1109          KK      Q2
1110          KM     RUNOFF FROM  Q2
1111          BA   0.201
1112          LS       0    76.9
1113          UD   0.200

1114          KK     19A
1115          KM     COMBINE Q1-19A,Q2
1116          HC       2

1117          KK      Q3
1118          KM     RUNOFF FROM  Q3
1119          BA   0.078
1120          LS       0    78.8
1121          UD   0.200

1122          KK     19B
1123          KM     COMBINE 19A,Q3
1124          HC       2

1125          KK  19B19C
1126          KM     ROUTE 19B TO DESIGN POINT 19C
1127          RD    3000    .027    .035       0    TRAP       8      15

1128          KK      Q4
1129          KM     RUNOFF FROM  Q4
1130          BA   0.128
1131          LS       0    86.3
1132          UD   0.290
1
                                        HEC-1 INPUT                                                    PAGE 28
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1133          KK     19C
1134          KM     COMBINE 19B19C,Q4
1135          HC       2

1136          KK      Q5
1137          KM     RUNOFF FROM  Q5
1138          BA   0.153
1139          LS       0    75.0
1140          UD   0.180

1141          KK     19D
1142          KM     COMBINE 19C,Q5
1143          HC       2

1144          KK  19D19E
1145          KM     ROUTE 19D TO DESIGN POINT 19E
1146          RD    3600    .017    .035       0    TRAP      10      15

1147          KK      Q6
1148          KM     RUNOFF FROM  Q6
1149          BA   0.210
1150          LS       0    88.0
1151          UD   0.330

1152          KK     19E
1153          KM     COMBINE 19D19E,Q6
1154          HC       2
```
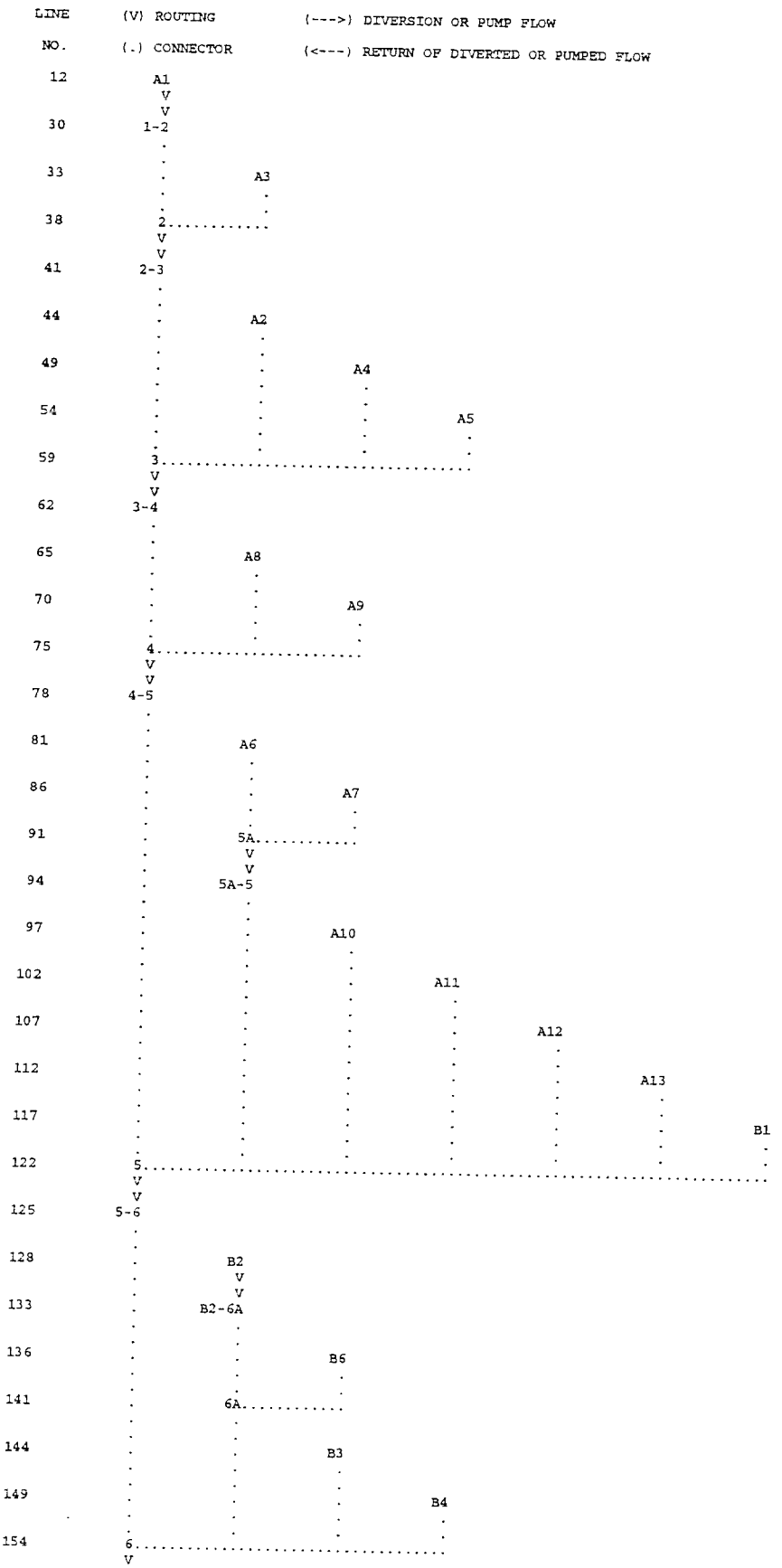

```
1155          KK  19E19F
1156          KM     ROUTE 19E TO DESIGN POINT 19F
1157          RD    2400    .020    .015       0    TRAP      20       4

1158          KK      Q7
1159          KM     RUNOFF FROM  Q7
1160          BA   0.182
1161          LS       0    82.8
1162          UD   0.290

1163          KK     19F
1164          KM     COMBINE 19E19F,Q7
1165          HC       2

1166          KK     T4B
1167          KM     RUNOFF FROM  T4B
1168          BA   0.075
1169          LS       0    85.3
1170          UD   0.230

1171          KK  T4B19G
1172          KM     ROUTE T4B TO DESIGN POINT 19G
1173          RD
1174          RC    .015    .015    .015    2400    .015
1175          RX     100     100  116.00  116.85  119.15  120.00     136     136
1176          RY     100   99.50   99.50   95.50   95.50   99.50   99.50     100
1
                                        HEC-1 INPUT                                    PAGE 29
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1177          KK      W1
1178          KM     RUNOFF FROM  W1
1179          BA   0.209
1180          LS       0    82.9
1181          UD   0.150

1182          KK     19G
1183          KM     COMBINE T4B19G,W1
1184          HC       2

1185          KK      Q8
1186          KM     RUNOFF FROM  Q8
1187          BA   0.084
1188          LS       0    81.1
1189          UD   0.160

1190          KK      19
1191          KM     COMBINE 18-19,19F,19G,Q8
1192          HC       4

1193          KK   19-20
1194          KM     ROUTE 19 TO DESIGN POINT 20
1195          RD
1196          RC    .040    .040    .040    2400    .017
1197          RX      77     108     115     150     225     235     290     329
1198          RY    6316    6298    6292    6292    6298    6302    6304    6314

1199          KK      W2
1200          KM     RUNOFF FROM  W2
1201          BA   0.125
1202          LS       0    88.3
1203          UD   0.120

1204          KK      20
1205          KM     COMBINE 19-20,W2
1206          HC       2

1207          KK   20-21
1208          KM     ROUTE 20 TO DESIGN POINT 21
1209          RD
1210          RC    .040    .040    .040    1800    .016
1211          RX      53      63     104     153     157     189     211     265
1212          RY    6299    6282    6270    6263    6254    6253    6259    6300

1213          KK     W3A
1214          KM     RUNOFF FROM  W3A
1215          BA   0.050
1216          LS       0    92.7
1217          UD   0.110
1
                                        HEC-1 INPUT                                    PAGE 30
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1218          KK     V2A
1219          KM     RUNOFF FROM  V2A
1220          BA   0.067
1221          LS       0    92.8
1222          UD   0.090

1223          KK      21
1224          KM     COMBINE 20-21,V2A,W3A
1225          HC       3
1226          ZZ
1
          SCHEMATIC DIAGRAM OF STREAM NETWORK
 INPUT
```


LINE NO.
(V) ROUTING
(.) CONNECTOR
(---->) DIVERSION OR PUMP FLOW
(<----) RETURN OF DIVERTED OR PUMPED FLOW
12
A1
30
1-2
33
A3
38
2
41
2-3
44
A2
49
A4
54
A5
59
3
62
3-4
65
A8
70
A9
75
4
78
4-5
81
A6
86
A7
91
5A
94
5A-5
97
A10
102
A11
107
A12
112
A13
117
B1
122
5
125
5-6
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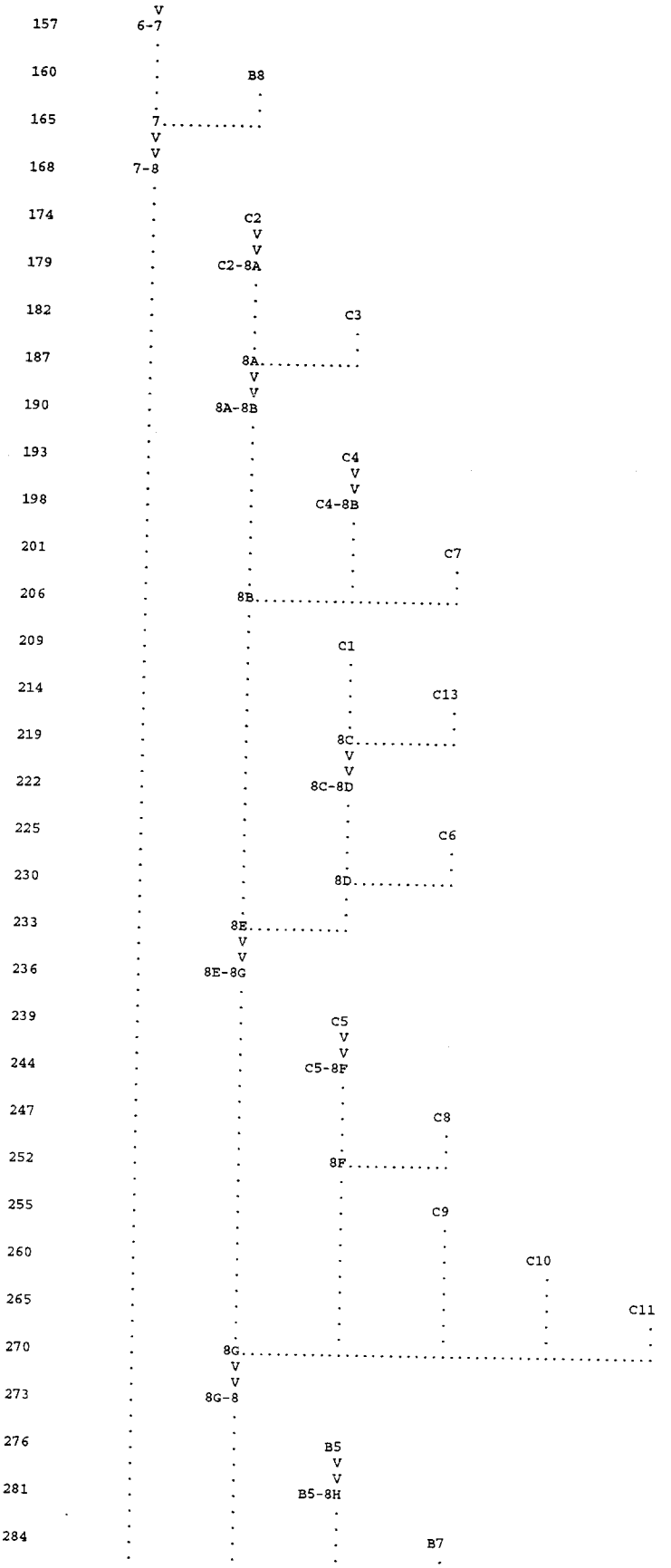
B2
133
B2-6A
136
B5
141
6A
144
B3
149
B4
154
6


157
6-7
160
B8
165
7
168
7-8
174
C2
179
C2-8A
182
C3
187
8A
190
8A-8B
193
C4
198
C4-8B
201
C7
206
8B
209
C1
214
C13
219
8C
222
8C-8D
225
C6
230
8D
233
8E
236
8E-8G
239
C5
244
C5-8F
247
C8
252
8F
255
C9
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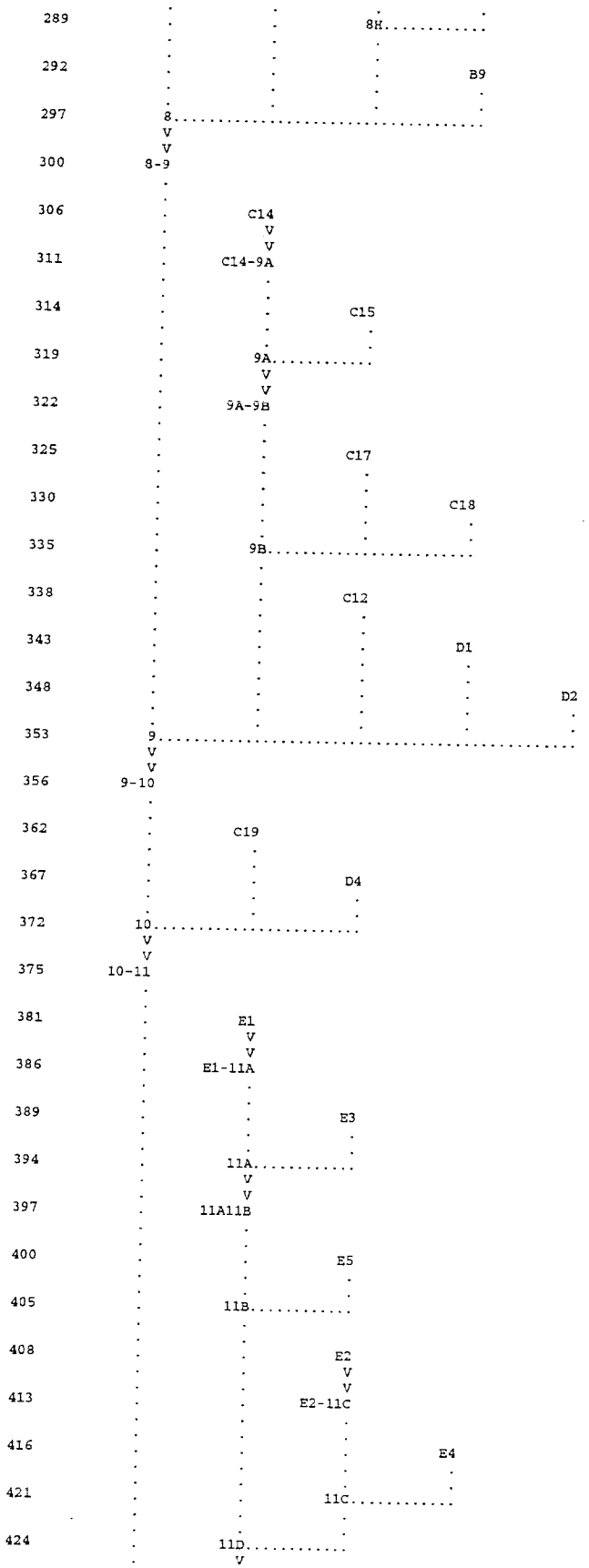
C10
265
C11
270
8G
273
8G-8
276
B5
281
B5-8H
284
B7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8H
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B9
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8-9
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C14
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C14-9A
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C15
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9A
322
9A-9B
325
C17
330
C18
335
9B
338
C12
343
D1
348
D2
353
9
356
9-10
362
C19
367
D4
372
10
375
10-11
381
E1
386
E1-11A
389
E3
394
11A
397
11A11B
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E5
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11B
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E2
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E2-11C
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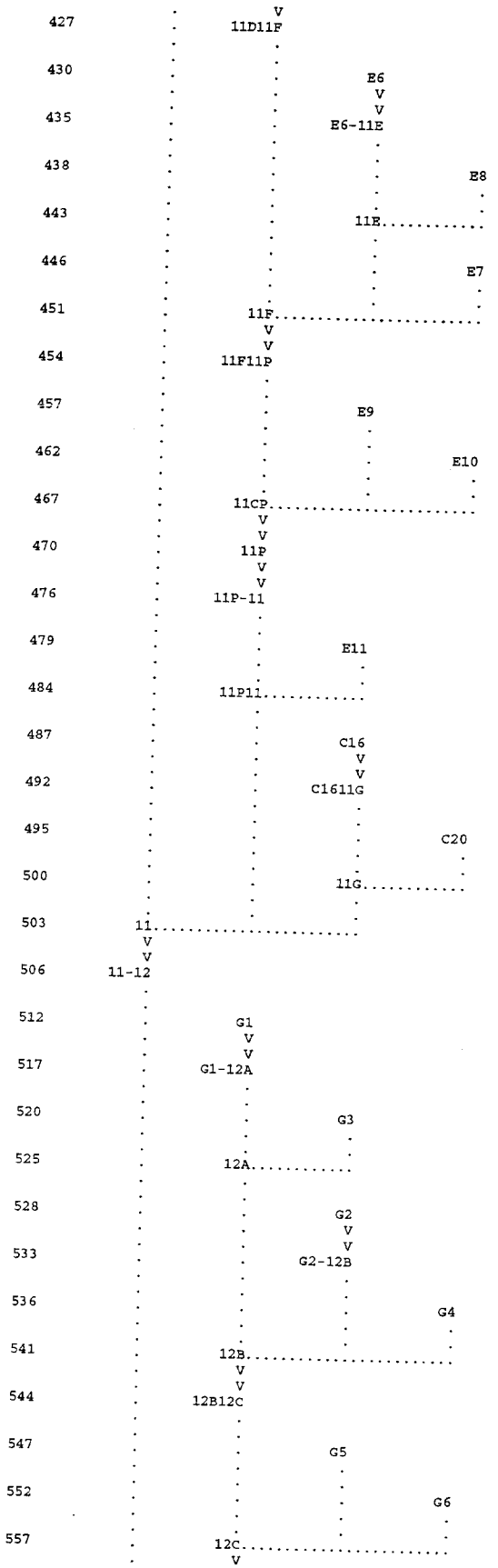
11C
424
11D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E6
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E8
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11E
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E7
451
11F
454
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457
E9
462
E10
467
11CP
470
11P
476
11P-11
479
E11
484
11P11
487
C16
492
C1611G
495
C20
500
11G
503
11
506
11-12
512
G1
517
G1-12A
520
G3
525
12A
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G2
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G2-12B
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12B
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12B12C
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G5
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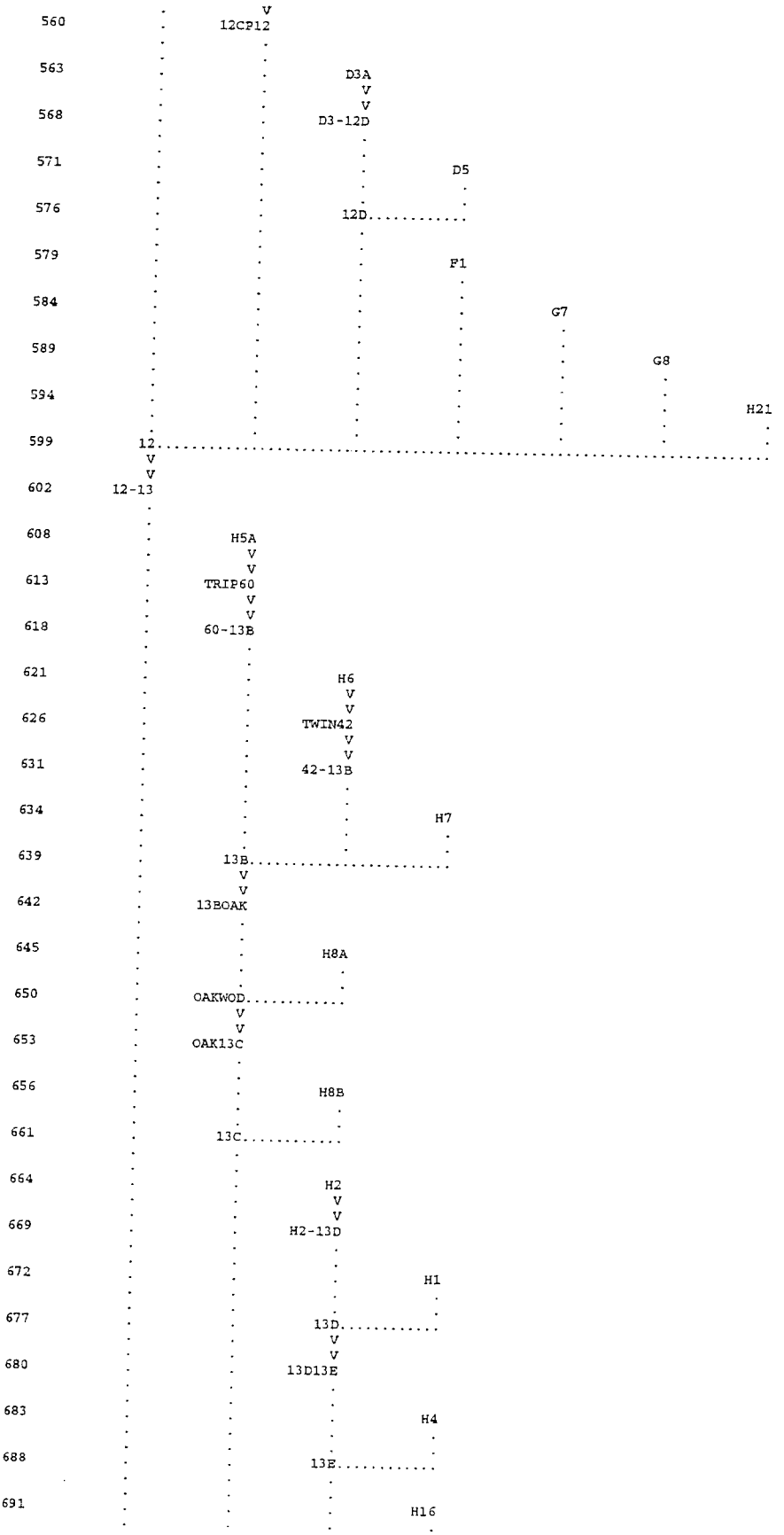
G6
557
12C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D3A
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D3-12D
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G7
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G8
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H21
599
12
602
12-13
608
H5A
613
TRIP60
618
60-13B
621
H6
626
TWIN42
631
42-13B
634
H7
639
13B
642
13BOAK
645
H8A
650
OAKWOD
653
OAK13C
656
H8B
661
13C
664
H2
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H2-13D
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H1
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13D
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13D13E
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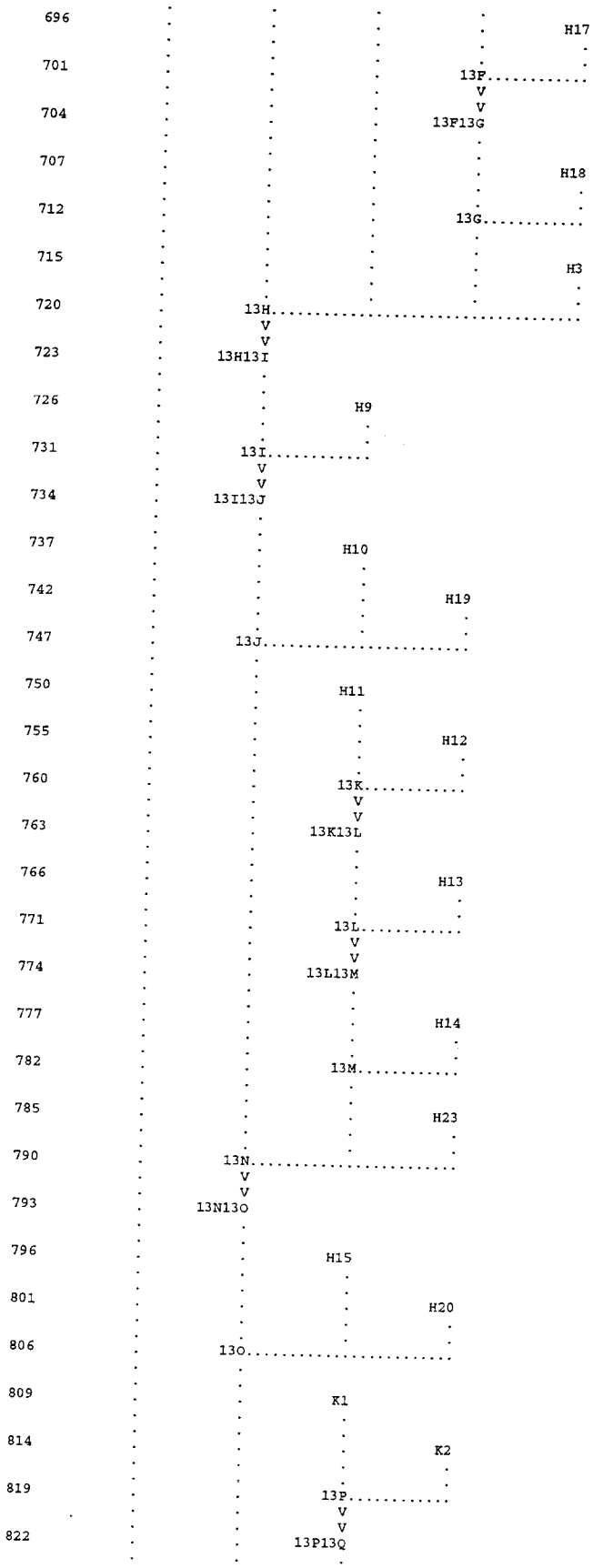
H4
688
13E
691
H16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K2
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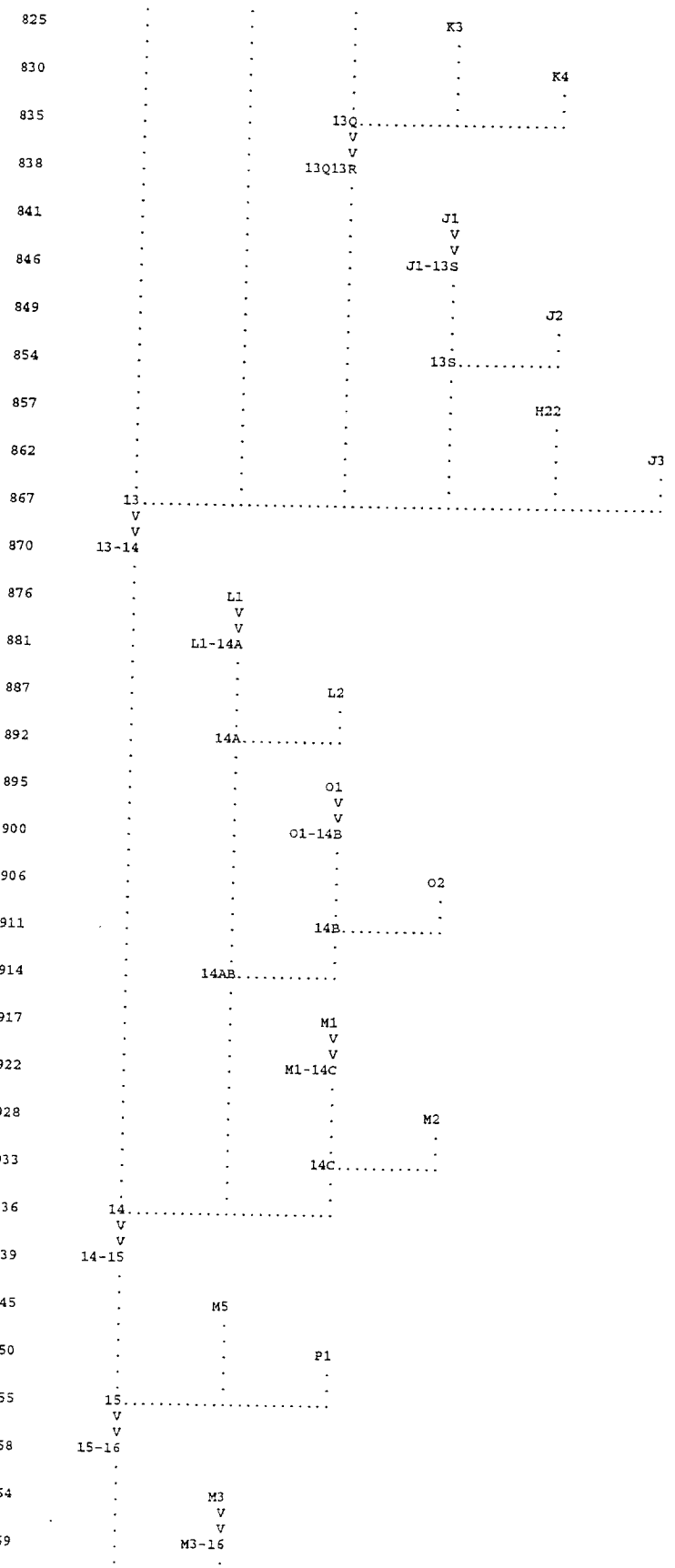
13P13Q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K4
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J1
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J2
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J3
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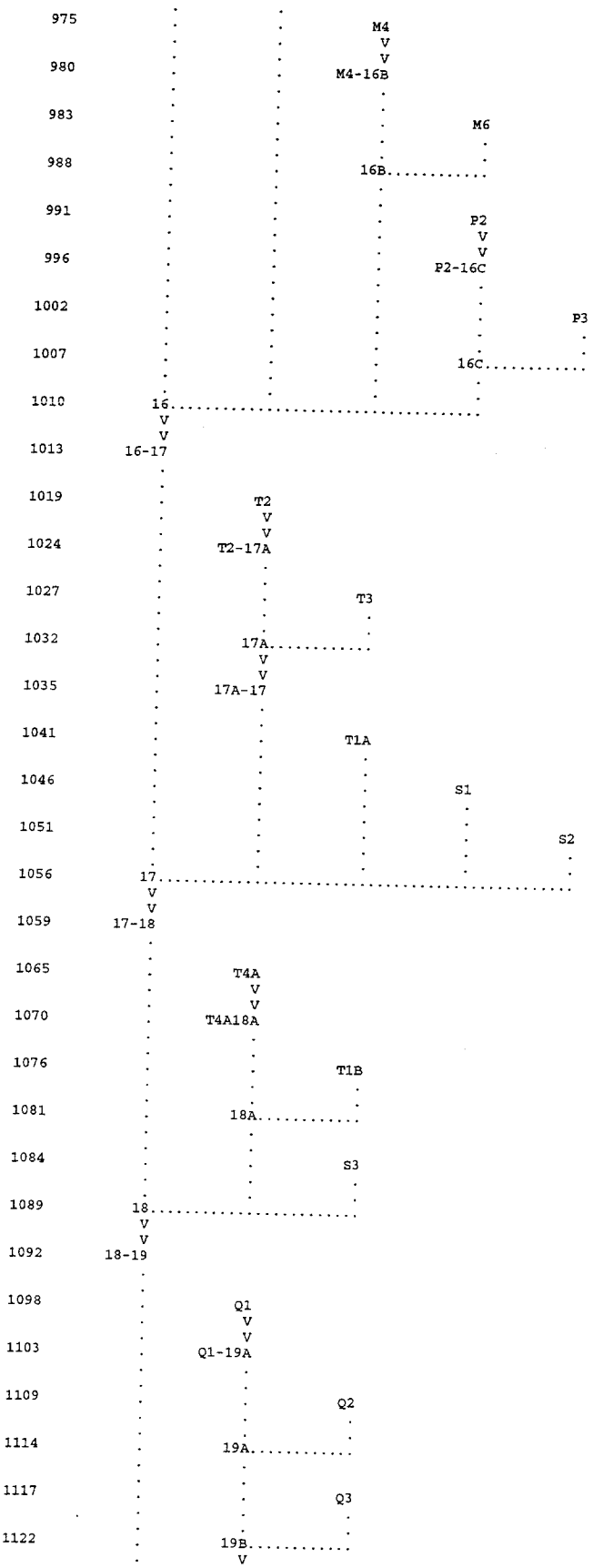
15-16
M3
M3-16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M4
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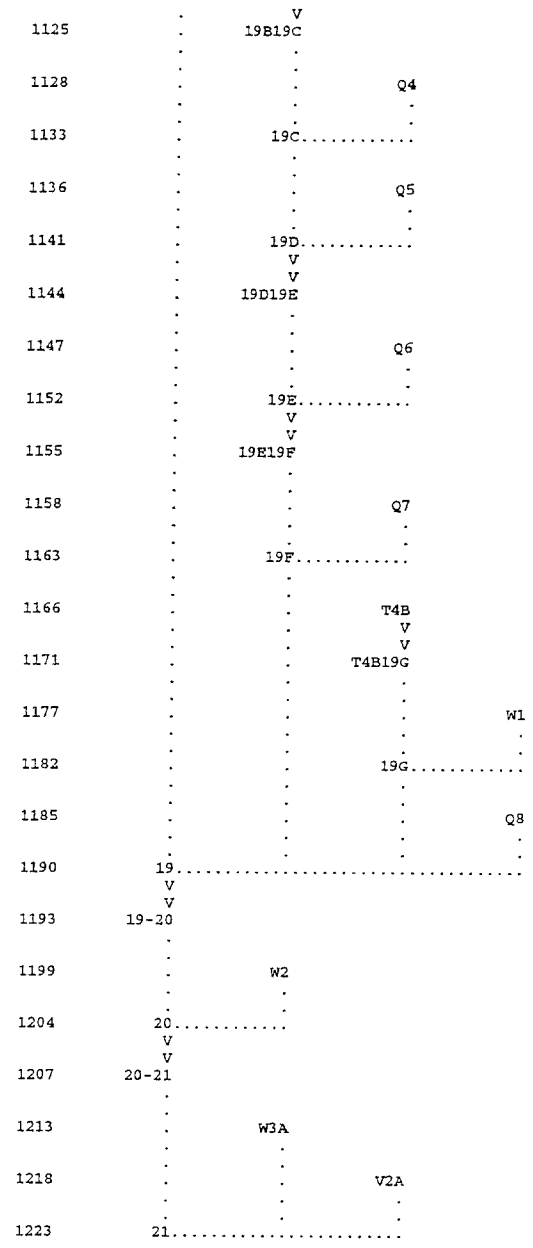
19B



(***) RUNOFF ALSO COMPUTED AT THIS LOCATION

```
1*****************************************
 *                                       *
 *   FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
 *            SEPTEMBER 1990             *
 *             VERSION 4.0               *
 *                                       *
 *  RUN DATE  12/31/1998  TIME  14:31:44 *
 *                                       *
 *****************************************
```

```
*****************************************
*                                       *
*    U.S. ARMY CORPS OF ENGINEERS       *
*    HYDROLOGIC ENGINEERING CENTER      *
*          609 SECOND STREET            *
*       DAVIS, CALIFORNIA 95616         *
*           (916) 756-1104              *
*                                       *
*****************************************
```

```
COTTONWOOD CREEK DBPS AYRES PROJECT NO. 34-0330.00
FUTURE CONDITIONS - INPUT FILE 100FREV1.INP
CN AND LAGS REVISED BASED UPON SEPTEMBER 4TH, 1996 MEETING WITH
CITY OF COLORADO SPRINGS ENGINEERING STAFF
FURTHER REVISED BASED ON LAND USE REVISIONS:
A PORTION OF BASIN H5 WAS ADDED TO D3 (RENAMED H5A AND D3A)
H8 DIVIDED INTO H8A AND H8B AT OAKWOOD
CURVE NUMBERS FOR H5A, H6, H7, H8A, AND H8B CHANGED
100 YEAR 24 HOUR STORM - RUN DATE 12-31-98

 11 IO          OUTPUT CONTROL VARIABLES
                      IPRNT          5  PRINT CONTROL
```

IPLOT	0	PLOT CONTROL
QSCAL	0.	HYDROGRAPH PLOT SCALE

IT HYDROGRAPH TIME DATA

NMIN	5	MINUTES IN COMPUTATION INTERVAL
IDATE	1SEP89	STARTING DATE
ITIME	0800	STARTING TIME
NQ	300	NUMBER OF HYDROGRAPH ORDINATES
NDDATE	2SEP89	ENDING DATE
NDTIME	0855	ENDING TIME
ICENT	19	CENTURY MARK

COMPUTATION INTERVAL .08 HOURS
TOTAL TIME BASE 24.92 HOURS

ENGLISH UNITS

DRAINAGE AREA	SQUARE MILES
PRECIPITATION DEPTH	INCHES
LENGTH, ELEVATION	FEET
FLOW	CUBIC FEET PER SECOND
STORAGE VOLUME	ACRE-FEET
SURFACE AREA	ACRES
TEMPERATURE	DEGREES FAHRENHEIT

1

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

	OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
+	HYDROGRAPH AT	A1	62.	6.33	13.	4.	4.	.19		
+	ROUTED TO	1-2	62.	6.50	13.	4.	4.	.19		
+	HYDROGRAPH AT	A3	60.	6.33	11.	4.	4.	.16		
+	2 COMBINED AT	2	110.	6.42	24.	8.	8.	.35		
+	ROUTED TO	2-3	109.	6.67	24.	8.	8.	.35		
+	HYDROGRAPH AT	A2	61.	6.50	14.	5.	5.	.21		
+	HYDROGRAPH AT	A4	82.	6.42	17.	6.	6.	.25		
+	HYDROGRAPH AT	A5	74.	6.33	14.	5.	5.	.21		
+	4 COMBINED AT	3	282.	6.58	69.	24.	23.	1.02		
+	ROUTED TO	3-4	277.	6.75	69.	24.	23.	1.02		
+	HYDROGRAPH AT	A8	79.	6.33	16.	6.	5.	.24		
+	HYDROGRAPH AT	A9	81.	6.25	13.	5.	5.	.20		
+	3 COMBINED AT	4	359.	6.67	98.	35.	33.	1.46		
+	ROUTED TO	4-5	357.	6.75	98.	34.	33.	1.46		
+	HYDROGRAPH AT	A6	51.	6.33	10.	3.	3.	.14		
+	HYDROGRAPH AT	A7	49.	6.33	9.	3.	3.	.14		
+	2 COMBINED AT	5A	100.	6.33	19.	7.	6.	.28		
+	ROUTED TO	5A-5	99.	6.58	19.	7.	6.	.28		
+	HYDROGRAPH AT	A10	68.	6.25	12.	4.	4.	.17		
+	HYDROGRAPH AT	A11	41.	6.33	8.	3.	3.	.12		
+	HYDROGRAPH AT	A12	53.	6.17	8.	3.	3.	.12		
+	HYDROGRAPH AT	A13	52.	6.42	11.	4.	4.	.16		
	HYDROGRAPH AT									

+		B1	127.	6.08	15.	5.	5.	.19
	7 COMBINED AT							
+		5	597.	6.50	169.	60.	57.	2.50
	ROUTED TO							
+		5-6	595.	6.75	168.	59.	57.	2.50
	HYDROGRAPH AT							
+		B2	173.	6.08	18.	6.	6.	.11
	ROUTED TO							
+		B2-6A	167.	6.17	18.	6.	6.	.11
	HYDROGRAPH AT							
+		B6	197.	6.25	32.	10.	10.	.18
	2 COMBINED AT							
+		6A	361.	6.25	51.	16.	15.	.29
	HYDROGRAPH AT							
+		B3	184.	6.08	22.	7.	7.	.15
	HYDROGRAPH AT							
+		B4	127.	6.08	15.	5.	5.	.10
	4 COMBINED AT							
+		6	749.	6.67	252.	87.	84.	3.04
	ROUTED TO							
+		6-7	746.	6.92	252.	87.	83.	3.04
	HYDROGRAPH AT							
+		B8	195.	6.25	32.	10.	9.	.16
	2 COMBINED AT							
+		7	857.	6.58	281.	96.	93.	3.20
	ROUTED TO							
+		7-8	853.	6.67	281.	96.	93.	3.20
	HYDROGRAPH AT							
+		C2	104.	6.08	11.	4.	4.	.15
	ROUTED TO							
+		C2-8A	99.	6.25	10.	4.	3.	.15
	HYDROGRAPH AT							
+		C3	102.	6.17	13.	4.	4.	.16
	2 COMBINED AT							
+		8A	191.	6.17	24.	8.	8.	.32
	ROUTED TO							
+		8A-8B	200.	6.42	24.	8.	8.	.32
	HYDROGRAPH AT							
+		C4	167.	6.08	21.	7.	7.	.22
	ROUTED TO							
+		C4-8B	162.	6.25	21.	7.	7.	.22
	HYDROGRAPH AT							
+		C7	205.	6.17	27.	8.	8.	.16
	3 COMBINED AT							
+		8B	439.	6.42	71.	24.	23.	.70
	HYDROGRAPH AT							
+		C1	155.	6.08	17.	6.	5.	.17
	HYDROGRAPH AT							
+		C13	143.	6.00	15.	5.	5.	.13
	2 COMBINED AT							
+		8C	298.	6.08	32.	10.	10.	.29
	ROUTED TO							
+		8C-8D	276.	6.25	32.	10.	10.	.29
	HYDROGRAPH AT							
+		C6	164.	6.08	20.	6.	6.	.11
	2 COMBINED AT							
+		8D	397.	6.25	51.	16.	16.	.40
	2 COMBINED AT							
+		8E	778.	6.33	122.	40.	39.	1.09
	ROUTED TO							
+		8E-8G	785.	6.42	122.	40.	39.	1.09
	HYDROGRAPH AT							
+		C5	192.	6.17	25.	8.	8.	.23
	ROUTED TO							
+		C5-8F	178.	6.50	24.	8.	8.	.23
	HYDROGRAPH AT							

+		C8	205.	6.25	32.	10.	9.	.17
	2 COMBINED AT							
+		8F	316.	6.42	55.	18.	17.	.40
	HYDROGRAPH AT							
+		C9	230.	6.25	35.	11.	11.	.21
	HYDROGRAPH AT							
+		C10	98.	6.25	17.	5.	5.	.11
	HYDROGRAPH AT							
+		C11	183.	6.17	24.	7.	7.	.13
	5 COMBINED AT							
+		8G	1454.	6.42	252.	81.	78.	1.93
	ROUTED TO							
+		8G-8	1437.	6.50	252.	81.	78.	1.93
	HYDROGRAPH AT							
+		B5	195.	6.08	22.	7.	6.	.11
	ROUTED TO							
+		B5-8H	190.	6.33	22.	7.	6.	.11
	HYDROGRAPH AT							
+		B7	366.	6.17	49.	15.	15.	.30
	2 COMBINED AT							
+		8H	508.	6.25	71.	22.	21.	.40
	HYDROGRAPH AT							
+		B9	237.	6.17	34.	10.	10.	.17
	4 COMBINED AT							
+		8	2733.	6.42	633.	210.	202.	5.70
	ROUTED TO							
+		8-9	2708.	6.50	633.	210.	202.	5.70
	HYDROGRAPH AT							
+		C14	147.	6.08	16.	5.	5.	.10
	ROUTED TO							
+		C14-9A	139.	6.17	16.	5.	5.	.10
	HYDROGRAPH AT							
+		C15	127.	6.08	14.	4.	4.	.09
	2 COMBINED AT							
+		9A	239.	6.17	29.	9.	9.	.19
	ROUTED TO							
+		9A-9B	227.	6.50	28.	9.	9.	.19
	HYDROGRAPH AT							
+		C17	102.	6.17	15.	5.	4.	.09
	HYDROGRAPH AT							
+		C18	179.	6.25	30.	10.	9.	.20
	3 COMBINED AT							
+		9B	450.	6.42	73.	23.	22.	.48
	HYDROGRAPH AT							
+		C12	195.	6.08	22.	7.	7.	.11
	HYDROGRAPH AT							
+		D1	261.	6.17	35.	11.	10.	.17
	HYDROGRAPH AT							
+		D2	323.	6.17	45.	14.	13.	.20
	5 COMBINED AT							
+		9	3477.	6.42	803.	264.	255.	6.65
	ROUTED TO							
+		9-10	3456.	6.50	803.	264.	254.	6.65
	HYDROGRAPH AT							
+		C19	122.	6.17	18.	6.	5.	.11
	HYDROGRAPH AT							
+		D4	203.	6.17	29.	9.	8.	.12
	3 COMBINED AT							
+		10	3616.	6.50	848.	278.	268.	6.88
	ROUTED TO							
+		10-11	3570.	6.50	848.	278.	268.	6.88
	HYDROGRAPH AT							
+		E1	122.	6.08	13.	4.	4.	.09
	ROUTED TO							
+		E1-11A	118.	6.25	13.	4.	4.	.09
	HYDROGRAPH AT							

+		E3	291.	6.08	33.	10.	10.	.15	
	2 COMBINED AT								
+		11A	364.	6.08	46.	14.	14.	.24	
	ROUTED TO								
+		11A11B	359.	6.25	45.	14.	14.	.24	
	HYDROGRAPH AT								
+		E5	208.	6.17	29.	9.	8.	.13	
	2 COMBINED AT								
+		11B	553.	6.25	74.	23.	22.	.37	
	HYDROGRAPH AT								
+		E2	212.	6.08	24.	7.	7.	.09	
	ROUTED TO								
+		E2-11C	209.	6.25	25.	7.	7.	.09	
	HYDROGRAPH AT								
+		E4	162.	6.25	26.	8.	8.	.15	
	2 COMBINED AT								
+		11C	371.	6.25	51.	16.	15.	.24	
	2 COMBINED AT								
+		11D	924.	6.25	125.	38.	37.	.61	
	ROUTED TO								
+		11D11F	886.	6.25	125.	38.	37.	.61	
	HYDROGRAPH AT								
+		E6	45.	6.17	6.	2.	2.	.05	
	ROUTED TO								
+		E6-11E	44.	6.50	6.	2.	2.	.05	
	HYDROGRAPH AT								
+		E8	228.	6.08	28.	8.	8.	.12	
	2 COMBINED AT								
+		11E	228.	6.08	34.	10.	10.	.17	
	HYDROGRAPH AT								
+		E7	174.	6.17	24.	7.	7.	.12	
	3 COMBINED AT								
+		11F	1220.	6.25	183.	56.	54.	.90	
	ROUTED TO								
+		11F11P	1209.	6.33	184.	57.	54.	.90	
	HYDROGRAPH AT								
+		E9	189.	6.00	19.	6.	6.	.11	
	HYDROGRAPH AT								
+		E10	168.	6.00	16.	5.	5.	.10	
	3 COMBINED AT								
+		11CP	1277.	6.25	218.	67.	65.	1.11	
	ROUTED TO								
+		11P	285.	7.00	214.	67.	65.	1.11	
+									6811.36 7.00
	ROUTED TO								
+		11P-11	285.	7.08	214.	67.	65.	1.11	
	HYDROGRAPH AT								
+		E11	112.	6.17	16.	5.	5.	.10	
	2 COMBINED AT								
+		11P11	329.	6.25	229.	72.	69.	1.21	
	HYDROGRAPH AT								
+		C16	175.	6.17	22.	7.	7.	.14	
	ROUTED TO								
+		C1611G	174.	6.42	22.	7.	7.	.14	
	HYDROGRAPH AT								
+		C20	136.	6.25	21.	6.	6.	.11	
	2 COMBINED AT								
+		11G	294.	6.33	43.	13.	13.	.25	
	3 COMBINED AT								
+		11	4120.	6.50	1119.	364.	350.	8.35	
	ROUTED TO								
+		11-12	4069.	6.67	1119.	363.	350.	8.35	
	HYDROGRAPH AT								
+		G1	330.	6.08	36.	11.	11.	.18	
	ROUTED TO								
+		G1-12A	322.	6.17	36.	11.	11.	.18	

+	HYDROGRAPH AT G3	256.	6.17	33.	10.	10.	.18
+	2 COMBINED AT 12A	578.	6.17	70.	21.	21.	.36
+	HYDROGRAPH AT G2	156.	6.08	16.	5.	5.	.11
+	ROUTED TO G2-12B	151.	6.17	16.	5.	5.	.11
+	HYDROGRAPH AT G4	272.	6.08	33.	10.	9.	.13
+	3 COMBINED AT 12B	976.	6.17	118.	36.	35.	.60
+	ROUTED TO 12B12C	966.	6.17	118.	36.	35.	.60
+	HYDROGRAPH AT G5	171.	6.08	19.	6.	6.	.12
+	HYDROGRAPH AT G6	213.	6.08	24.	7.	7.	.14
+	3 COMBINED AT 12C	1296.	6.17	161.	50.	48.	.86
+	ROUTED TO 12CP12	1299.	6.17	161.	50.	48.	.86
+	HYDROGRAPH AT D3A	520.	6.17	73.	21.	21.	.24
+	ROUTED TO D3-12D	514.	6.17	73.	21.	21.	.24
+	HYDROGRAPH AT D5	316.	6.08	38.	11.	11.	.13
+	2 COMBINED AT 12D	791.	6.08	110.	33.	31.	.37
+	HYDROGRAPH AT F1	138.	6.33	25.	8.	8.	.14
+	HYDROGRAPH AT G7	213.	6.17	29.	9.	9.	.17
+	HYDROGRAPH AT G8	141.	6.08	15.	5.	5.	.08
+	HYDROGRAPH AT H21	199.	6.08	24.	7.	7.	.08
+	7 COMBINED AT 12	5007.	6.50	1466.	474.	457.	10.04
+	ROUTED TO 12-13	5013.	6.67	1466.	474.	456.	10.04
+	HYDROGRAPH AT H5A	148.	6.33	26.	9.	8.	.25
+	ROUTED TO TRIP60	148.	6.33	26.	9.	8.	.25
+	ROUTED TO 60-13B	148.	6.42	26.	9.	8.	.25
+	HYDROGRAPH AT H6	169.	6.17	22.	7.	7.	.21
+	ROUTED TO TWIN42	149.	6.08	22.	7.	7.	.21
+	ROUTED TO 42-13B	149.	6.33	22.	7.	7.	.21
+	HYDROGRAPH AT H7	261.	6.17	37.	11.	11.	.14
+	3 COMBINED AT 13B	516.	6.25	84.	27.	26.	.61
+	ROUTED TO 13BOAK	507.	6.33	84.	27.	26.	.61
+	HYDROGRAPH AT H8A	105.	6.08	13.	4.	4.	.08
+	2 COMBINED AT OAKWOD	587.	6.25	97.	31.	30.	.68
+	ROUTED TO OAK13C	577.	6.33	97.	31.	30.	.68

+	HYDROGRAPH AT H8B	56.	6.08	7.	2.	2.	.05
+	2 COMBINED AT 13C	618.	6.25	104.	33.	32.	.73
+	HYDROGRAPH AT H2	214.	6.08	27.	8.	8.	.11
+	ROUTED TO H2-13D	209.	6.17	27.	8.	8.	.11
+	HYDROGRAPH AT H1	264.	6.25	42.	13.	12.	.17
+	2 COMBINED AT 13D	468.	6.25	69.	21.	20.	.28
+	ROUTED TO 13D13E	464.	6.33	69.	21.	20.	.28
+	HYDROGRAPH AT H4	201.	6.08	22.	7.	6.	.13
+	2 COMBINED AT 13E	555.	6.25	90.	27.	26.	.40
+	HYDROGRAPH AT H16	194.	6.00	21.	6.	6.	.11
+	HYDROGRAPH AT H17	204.	6.00	20.	6.	6.	.10
+	2 COMBINED AT 13F	399.	6.00	41.	13.	12.	.21
+	ROUTED TO 13F13G	383.	6.08	41.	13.	12.	.21
+	HYDROGRAPH AT H18	243.	6.17	33.	10.	10.	.17
+	2 COMBINED AT 13G	618.	6.17	74.	23.	22.	.38
+	HYDROGRAPH AT H3	211.	6.08	27.	8.	8.	.14
+	4 COMBINED AT 13H	1935.	6.17	294.	91.	88.	1.65
+	ROUTED TO 13H13I	1882.	6.25	294.	91.	88.	1.65
+	HYDROGRAPH AT H9	301.	6.08	33.	10.	10.	.17
+	2 COMBINED AT 13I	2112.	6.17	327.	102.	98.	1.83
+	ROUTED TO 13I13J	2076.	6.25	327.	102.	98.	1.83
+	HYDROGRAPH AT H10	121.	6.08	15.	4.	4.	.06
+	HYDROGRAPH AT H19	148.	6.17	20.	6.	6.	.12
+	3 COMBINED AT 13J	2294.	6.25	360.	112.	108.	2.01
+	HYDROGRAPH AT H11	305.	6.17	42.	13.	12.	.14
+	HYDROGRAPH AT H12	286.	6.08	34.	10.	10.	.16
+	2 COMBINED AT 13K	582.	6.08	77.	23.	22.	.31
+	ROUTED TO 13K13L	575.	6.17	77.	23.	22.	.31
+	HYDROGRAPH AT H13	251.	6.08	29.	9.	8.	.13
+	2 COMBINED AT 13L	795.	6.08	106.	32.	31.	.44
+	ROUTED TO 13L13M	777.	6.17	105.	32.	31.	.44
+	HYDROGRAPH AT H14	220.	6.17	32.	9.	9.	.12
+	2 COMBINED AT 13M	997.	6.17	137.	41.	40.	.55

+	HYDROGRAPH AT	H23	122.	6.17	17.	5.	5.	.10
+	3 COMBINED AT	13N	3375.	6.25	514.	159.	153.	2.66
+	ROUTED TO	13N13O	3328.	6.25	514.	159.	153.	2.66
+	HYDROGRAPH AT	H15	138.	6.25	23.	7.	7.	.08
+	HYDROGRAPH AT	H20	47.	6.17	6.	2.	2.	.07
+	3 COMBINED AT	13O	3507.	6.25	543.	168.	161.	2.82
+	HYDROGRAPH AT	K1	301.	6.17	40.	12.	12.	.17
+	HYDROGRAPH AT	K2	243.	6.25	37.	11.	11.	.19
+	2 COMBINED AT	13P	543.	6.17	77.	23.	23.	.36
+	ROUTED TO	13P13Q	532.	6.25	77.	23.	23.	.36
+	HYDROGRAPH AT	K3	176.	6.08	21.	6.	6.	.10
+	HYDROGRAPH AT	K4	204.	6.17	31.	9.	9.	.15
+	3 COMBINED AT	13Q	855.	6.25	128.	39.	38.	.60
+	ROUTED TO	13Q13R	849.	6.25	128.	39.	38.	.60
+	HYDROGRAPH AT	J1	317.	6.08	40.	12.	12.	.21
+	ROUTED TO	J1-13S	310.	6.25	40.	12.	12.	.21
+	HYDROGRAPH AT	J2	179.	6.08	22.	7.	6.	.09
+	2 COMBINED AT	13S	472.	6.17	62.	19.	18.	.30
+	HYDROGRAPH AT	H22	415.	6.00	47.	14.	13.	.18
+	HYDROGRAPH AT	J3	301.	6.08	35.	10.	10.	.13
+	6 COMBINED AT	13	8763.	6.42	2265.	724.	697.	14.07
+	ROUTED TO	13-14	8653.	6.42	2264.	723.	696.	14.07
+	HYDROGRAPH AT	L1	249.	6.08	27.	8.	8.	.14
+	ROUTED TO	L1-14A	243.	6.08	27.	8.	8.	.14
+	HYDROGRAPH AT	L2	162.	6.08	19.	6.	6.	.15
+	2 COMBINED AT	14A	406.	6.08	46.	15.	14.	.29
+	HYDROGRAPH AT	O1	216.	6.08	23.	7.	7.	.11
+	ROUTED TO	O1-14B	210.	6.08	23.	7.	7.	.11
+	HYDROGRAPH AT	O2	224.	6.08	26.	8.	8.	.12
+	2 COMBINED AT	14B	434.	6.08	49.	15.	14.	.23
+	2 COMBINED AT	14AB	840.	6.08	96.	30.	28.	.53
+	HYDROGRAPH AT	M1	204.	6.08	23.	7.	7.	.09
+	ROUTED TO	M1-14C	203.	6.08	23.	7.	7.	.09

+	HYDROGRAPH AT M2	337.	6.08	38.	12.	11.	.20
+	2 COMBINED AT 14C	540.	6.08	61.	19.	18.	.30
+	3 COMBINED AT 14	9049.	6.42	2411.	771.	743.	14.89
+	ROUTED TO 14-15	9018.	6.42	2411.	771.	742.	14.89
+	HYDROGRAPH AT M5	139.	6.08	16.	5.	5.	.10
+	HYDROGRAPH AT P1	215.	6.08	24.	7.	7.	.12
+	3 COMBINED AT 15	9121.	6.42	2449.	783.	754.	15.12
+	ROUTED TO 15-16	9056.	6.42	2446.	782.	754.	15.12
+	HYDROGRAPH AT M3	191.	6.25	30.	9.	9.	.16
+	ROUTED TO M3-16	189.	6.25	30.	9.	9.	.16
+	HYDROGRAPH AT M4	170.	6.33	30.	10.	9.	.23
+	ROUTED TO M4-16B	169.	6.42	30.	10.	9.	.23
+	HYDROGRAPH AT M6	171.	6.08	19.	6.	6.	.10
+	2 COMBINED AT 16B	235.	6.17	49.	16.	15.	.33
+	HYDROGRAPH AT P2	121.	6.08	13.	4.	4.	.08
+	ROUTED TO P2-16C	119.	6.08	13.	4.	4.	.08
+	HYDROGRAPH AT P3	277.	6.08	33.	10.	10.	.20
+	2 COMBINED AT 16C	397.	6.08	45.	14.	14.	.28
+	4 COMBINED AT 16	9551.	6.42	2565.	822.	791.	15.89
+	ROUTED TO 16-17	9512.	6.50	2564.	821.	791.	15.89
+	HYDROGRAPH AT T2	115.	6.25	19.	6.	6.	.16
+	ROUTED TO T2-17A	112.	6.58	19.	6.	6.	.16
+	HYDROGRAPH AT T3	104.	6.25	16.	5.	5.	.12
+	2 COMBINED AT 17A	161.	6.58	34.	11.	11.	.28
+	ROUTED TO 17A-17	158.	6.58	34.	11.	11.	.28
+	HYDROGRAPH AT T1A	140.	6.17	19.	6.	6.	.09
+	HYDROGRAPH AT S1	208.	6.08	23.	7.	7.	.13
+	HYDROGRAPH AT S2	273.	6.00	28.	9.	8.	.13
+	5 COMBINED AT 17	9782.	6.50	2656.	854.	822.	16.52
+	ROUTED TO 17-18	9758.	6.50	2655.	853.	822.	16.52
+	HYDROGRAPH AT T4A	118.	6.17	16.	5.	5.	.09
+	ROUTED TO T4A18A	115.	6.17	16.	5.	5.	.09
+	HYDROGRAPH AT T1B	185.	6.08	21.	7.	6.	.13

+	2 COMBINED AT	18A	286.	6.08	38.	12.	11.	.22
+	HYDROGRAPH AT	S3	277.	6.08	34.	11.	10.	.18
+	3 COMBINED AT	18	9941.	6.50	2721.	876.	843.	16.93
+	ROUTED TO	18-19	9904.	6.58	2721.	875.	843.	16.93
+	HYDROGRAPH AT	Q1	198.	6.00	20.	6.	6.	.10
+	ROUTED TO	Q1-19A	190.	6.00	20.	6.	6.	.10
+	HYDROGRAPH AT	Q2	293.	6.08	33.	10.	10.	.20
+	2 COMBINED AT	19A	474.	6.08	53.	16.	16.	.30
+	HYDROGRAPH AT	Q3	123.	6.08	14.	4.	4.	.08
+	2 COMBINED AT	19B	598.	6.08	66.	21.	20.	.38
+	ROUTED TO	19B19C	580.	6.17	66.	21.	20.	.38
+	HYDROGRAPH AT	Q4	230.	6.17	31.	9.	9.	.13
+	2 COMBINED AT	19C	811.	6.17	97.	30.	29.	.51
+	HYDROGRAPH AT	Q5	213.	6.08	23.	7.	7.	.15
+	2 COMBINED AT	19D	985.	6.08	120.	37.	36.	.66
+	ROUTED TO	19D19E	986.	6.25	120.	37.	36.	.66
+	HYDROGRAPH AT	Q6	382.	6.17	54.	16.	16.	.21
+	2 COMBINED AT	19E	1344.	6.25	173.	53.	51.	.87
+	ROUTED TO	19E19F	1329.	6.25	173.	53.	51.	.87
+	HYDROGRAPH AT	Q7	286.	6.17	38.	12.	11.	.18
+	2 COMBINED AT	19F	1584.	6.25	211.	65.	63.	1.05
+	HYDROGRAPH AT	T4B	145.	6.08	17.	5.	5.	.08
+	ROUTED TO	T4B19G	139.	6.17	17.	5.	5.	.08
+	HYDROGRAPH AT	W1	415.	6.00	44.	13.	13.	.21
+	2 COMBINED AT	19G	545.	6.08	62.	19.	18.	.28
+	HYDROGRAPH AT	Q8	153.	6.08	17.	5.	5.	.08
+	4 COMBINED AT	19	10752.	6.50	2990.	964.	928.	18.35
+	ROUTED TO	19-20	10702.	6.58	2987.	963.	927.	18.35
+	HYDROGRAPH AT	W2	318.	6.00	33.	10.	9.	.13
+	2 COMBINED AT	20	10731.	6.58	3010.	972.	936.	18.47
+	ROUTED TO	20-21	10711.	6.58	3010.	972.	936.	18.47
+	HYDROGRAPH AT	W3A	144.	6.00	15.	4.	4.	.05
+	HYDROGRAPH AT	V2A	197.	6.00	20.	6.	6.	.07

3 COMBINED AT

\+
1 21 10738. 6.58 3033. 982. 946. 18.59

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)
1-2	MANE	2.00	61.67	392.00	.88	5.00	61.61	390.00	.88

CONTINUITY SUMMARY (AC-FT) - INFLOW= .8845E+01 EXCESS= .0000E+00 OUTFLOW= .8834E+01 BASIN STORAGE= .2554E-01 PERCENT ERROR= -.2

2-3	MANE	2.25	109.76	402.75	.88	5.00	109.01	400.00	.88

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1645E+02 EXCESS= .0000E+00 OUTFLOW= .1638E+02 BASIN STORAGE= .1260E+00 PERCENT ERROR= -.3

3-4	MANE	2.75	276.60	404.25	.88	5.00	276.56	405.00	.88

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4810E+02 EXCESS= .0000E+00 OUTFLOW= .4797E+02 BASIN STORAGE= .2321E+00 PERCENT ERROR= -.2

4-5	MANE	3.00	356.73	405.00	.88	5.00	356.73	405.00	.88

CONTINUITY SUMMARY (AC-FT) - INFLOW= .6852E+02 EXCESS= .0000E+00 OUTFLOW= .6839E+02 BASIN STORAGE= .2106E+00 PERCENT ERROR= -.1

5A-5	MANE	2.00	100.21	392.00	.88	5.00	98.70	395.00	.88

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1308E+02 EXCESS= .0000E+00 OUTFLOW= .1306E+02 BASIN STORAGE= .6731E-01 PERCENT ERROR= -.4

5-6	MANE	2.75	596.75	404.25	.88	5.00	595.48	405.00	.88

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1181E+03 EXCESS= .0000E+00 OUTFLOW= .1177E+03 BASIN STORAGE= .8170E+00 PERCENT ERROR= -.3

B2-6A	MANE	1.75	171.97	372.75	2.00	5.00	166.82	370.00	1.99

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1139E+02 EXCESS= .0000E+00 OUTFLOW= .1140E+02 BASIN STORAGE= .8066E-02 PERCENT ERROR= -.2

6-7	MANE	2.50	749.27	412.50	1.06	5.00	746.01	415.00	1.06

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1725E+03 EXCESS= .0000E+00 OUTFLOW= .1720E+03 BASIN STORAGE= .9010E+00 PERCENT ERROR= -.2

7-8	MANE	3.00	853.54	399.00	1.12	5.00	852.56	400.00	1.12

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1913E+03 EXCESS= .0000E+00 OUTFLOW= .1909E+03 BASIN STORAGE= .3375E+00 PERCENT ERROR= .0

C2-8A	MANE	1.25	102.81	373.75	.88	5.00	99.30	375.00	.87

CONTINUITY SUMMARY (AC-FT) - INFLOW= .7249E+01 EXCESS= .0000E+00 OUTFLOW= .7260E+01 BASIN STORAGE= .7438E-02 PERCENT ERROR= -.3

8A-8B	MANE	1.75	199.67	385.00	.95	5.00	199.67	385.00	.95

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1608E+02 EXCESS= .0000E+00 OUTFLOW= .1606E+02 BASIN STORAGE= .6720E-01 PERCENT ERROR= -.3

C4-8B	MANE	1.50	167.33	376.50	1.16	5.00	162.25	375.00	1.16

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1388E+02 EXCESS= .0000E+00 OUTFLOW= .1389E+02 BASIN STORAGE= .1266E-01 PERCENT ERROR= -.1

8C-8D	MANE	1.50	293.93	376.50	1.33	5.00	276.26	375.00	1.33

CONTINUITY SUMMARY (AC-FT) - INFLOW= .2048E+02 EXCESS= .0000E+00 OUTFLOW= .2051E+02 BASIN STORAGE= .3560E-01 PERCENT ERROR= -.4

8E-8G	MANE	2.50	785.46	385.00	1.36	5.00	785.46	385.00	1.36

CONTINUITY SUMMARY (AC-FT) - INFLOW= .7936E+02 EXCESS= .0000E+00 OUTFLOW= .7930E+02 BASIN STORAGE= .1526E+00 PERCENT ERROR= -.1

C5-8F	MANE	1.75	204.48	383.25	1.33	5.00	178.30	390.00	1.29

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1602E+02 EXCESS= .0000E+00 OUTFLOW= .1605E+02 BASIN STORAGE= .9360E-01 PERCENT ERROR= -.8

8G-8	MANE	2.75	1437.61	390.50	1.57	5.00	1436.61	390.00	1.57

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1615E+03 EXCESS= .0000E+00 OUTFLOW= .1614E+03 BASIN STORAGE= .3480E+00 PERCENT ERROR= -.1

B5-8H	MANE	1.75	191.03	379.75	2.35	5.00	190.04	380.00	2.33

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1338E+02 EXCESS= .0000E+00 OUTFLOW= .1341E+02 BASIN STORAGE= .2715E-01 PERCENT ERROR= -.4

8-9	MANE	2.75	2712.18	387.75	1.37	5.00	2707.71	390.00	1.37

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4167E+03 EXCESS= .0000E+00 OUTFLOW= .4163E+03 BASIN STORAGE= .4485E+00 PERCENT ERROR= .0

C14-9A	MANE	1.75	143.04	372.75	1.77	5.00	139.29	370.00	1.77

CONTINUITY SUMMARY (AC-FT) - INFLOW= .9811E+01 EXCESS= .0000E+00 OUTFLOW= .9820E+01 BASIN STORAGE= .5639E-02 PERCENT ERROR= -.1

9A-9B	MANE	2.00	258.11	388.00	1.81	5.00	226.57	390.00	1.78

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1826E+02 EXCESS= .0000E+00 OUTFLOW= .1827E+02 BASIN STORAGE= .1445E+00 PERCENT ERROR= -.8

9-10	MANE	2.75	3484.52	388.01	1.48	5.00	3456.45	390.00	1.48

CONTINUITY SUMMARY (AC-FT) - INFLOW= .5242E+03 EXCESS= .0000E+00 OUTFLOW= .5239E+03 BASIN STORAGE= .2954E+00 PERCENT ERROR= .0

10-11	MANE	1.57	3601.73	391.45	1.50	5.00	3570.36	390.00	1.50

CONTINUITY SUMMARY (AC-FT) - INFLOW= .5518E+03 EXCESS= .0000E+00 OUTFLOW= .5516E+03 BASIN STORAGE= .3248E+00 PERCENT ERROR= .0

E1-11A	MANE	1.75	119.17	374.50	1.63	5.00	117.72	375.00	1.62

CONTINUITY SUMMARY (AC-FT) - INFLOW= .8062E+01 EXCESS= .0000E+00 OUTFLOW= .8073E+01 BASIN STORAGE= .8358E-02 PERCENT ERROR= -.2

11A11B	MANE	2.25	365.50	375.75	2.19	5.00	358.84	375.00	2.18

CONTINUITY SUMMARY (AC-FT) - INFLOW= .2790E+02 EXCESS= .0000E+00 OUTFLOW= .2791E+02 BASIN STORAGE= .4195E-01 PERCENT ERROR= -.2

E2-11C	MANE	3.75	208.78	375.00	3.00	5.00	208.78	375.00	3.02

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1440E+02 EXCESS= .0000E+00 OUTFLOW= .1442E+02 BASIN STORAGE= .1463E-01 PERCENT ERROR= -.3

11D11F	MANE	3.16	901.74	376.24	2.34	5.00	885.56	375.00	2.34

CONTINUITY SUMMARY (AC-FT) - INFLOW= .7613E+02 EXCESS= .0000E+00 OUTFLOW= .7613E+02 BASIN STORAGE= .4688E-01 PERCENT ERROR= -.1

E6-11E	MANE	2.00	46.15	386.00	1.66	5.00	44.45	390.00	1.68

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3987E+01 EXCESS= .0000E+00 OUTFLOW= .3990E+01 BASIN STORAGE= .2186E-01 PERCENT ERROR= -.6

11F11P	MANE	4.75	1209.21	380.00	2.34	5.00	1209.21	380.00	2.34

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1119E+03 EXCESS= .0000E+00 OUTFLOW= .1119E+03 BASIN STORAGE= .1496E+00 PERCENT ERROR= -.1

11P-11	MANE	1.94	285.22	422.71	2.25	5.00	285.17	425.00	2.25

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1334E+03 EXCESS= .0000E+00 OUTFLOW= .1333E+03 BASIN STORAGE= .6675E-01 PERCENT ERROR= .0

C1611G	MANE	2.00	178.99	384.00	1.86	5.00	173.58	385.00	1.85

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1397E+02 EXCESS= .0000E+00 OUTFLOW= .1399E+02 BASIN STORAGE= .4412E-01 PERCENT ERROR= -.5

11-12	MANE	5.00	4069.22	400.00	1.62	5.00	4069.22	400.00	1.62

CONTINUITY SUMMARY (AC-FT) - INFLOW= .7216E+03 EXCESS= .0000E+00 OUTFLOW= .7208E+03 BASIN STORAGE= .1466E+01 PERCENT ERROR= -.1

G1-12A MANE 1.75 323.76 371.00 2.29 5.00 321.89 370.00 2.30

CONTINUITY SUMMARY (AC-FT) - INFLOW= .2202E+02 EXCESS= .0000E+00 OUTFLOW= .2203E+02 BASIN STORAGE= .7188E-02 PERCENT ERROR= -.1

G2-12B MANE 1.75 155.73 367.50 1.79 5.00 150.55 370.00 1.79

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1022E+02 EXCESS= .0000E+00 OUTFLOW= .1023E+02 BASIN STORAGE= .1597E-02 PERCENT ERROR= -.1

12B12C MANE 1.87 966.25 369.67 2.25 5.00 966.11 370.00 2.25

CONTINUITY SUMMARY (AC-FT) - INFLOW= .7225E+02 EXCESS= .0000E+00 OUTFLOW= .7225E+02 BASIN STORAGE= .8304E-02 PERCENT ERROR= .0

12CP12 MANE 2.85 1299.29 370.02 2.16 5.00 1298.82 370.00 2.16

CONTINUITY SUMMARY (AC-FT) - INFLOW= .9883E+02 EXCESS= .0000E+00 OUTFLOW= .9885E+02 BASIN STORAGE= .2350E-01 PERCENT ERROR= .0

D3-12D MANE 3.04 518.32 371.21 3.35 5.00 514.35 370.00 3.35

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4255E+02 EXCESS= .0000E+00 OUTFLOW= .4255E+02 BASIN STORAGE= .8602E-02 PERCENT ERROR= .0

12-13 MANE 5.00 5012.95 400.00 1.75 5.00 5012.95 400.00 1.75

CONTINUITY SUMMARY (AC-FT) - INFLOW= .9409E+03 EXCESS= .0000E+00 OUTFLOW= .9397E+03 BASIN STORAGE= .2685E+01 PERCENT ERROR= -.1

60-13B MANE 2.25 148.59 382.50 1.28 5.00 147.51 385.00 1.28

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1712E+02 EXCESS= .0000E+00 OUTFLOW= .1712E+02 BASIN STORAGE= .1658E-01 PERCENT ERROR= -.1

42-13B MANE 1.50 150.71 372.00 1.24 5.00 149.06 380.00 1.24

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1418E+02 EXCESS= .0000E+00 OUTFLOW= .1418E+02 BASIN STORAGE= .3415E-02 PERCENT ERROR= .0

13BOAK MANE 3.20 515.34 377.20 1.64 5.00 507.03 380.00 1.65

CONTINUITY SUMMARY (AC-FT) - INFLOW= .5306E+02 EXCESS= .0000E+00 OUTFLOW= .5306E+02 BASIN STORAGE= .2639E-01 PERCENT ERROR= .0

OAK13C MANE 2.21 583.23 377.77 1.68 5.00 576.70 380.00 1.68

CONTINUITY SUMMARY (AC-FT) - INFLOW= .6120E+02 EXCESS= .0000E+00 OUTFLOW= .6119E+02 BASIN STORAGE= .2485E-01 PERCENT ERROR= .0

H2-13D MANE 3.00 211.20 372.00 2.86 5.00 209.05 370.00 2.86

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1614E+02 EXCESS= .0000E+00 OUTFLOW= .1615E+02 BASIN STORAGE= .4956E-02 PERCENT ERROR= -.1

13D13E MANE 3.75 469.66 378.75 2.80 5.00 463.73 380.00 2.80

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4103E+02 EXCESS= .0000E+00 OUTFLOW= .4104E+02 BASIN STORAGE= .3680E-01 PERCENT ERROR= -.1

13F13G MANE 1.50 395.61 367.50 2.24 5.00 382.78 365.00 2.24

CONTINUITY SUMMARY (AC-FT) - INFLOW= .2485E+02 EXCESS= .0000E+00 OUTFLOW= .2486E+02 BASIN STORAGE= .4147E-02 PERCENT ERROR= -.1

13H13I MANE 2.13 1917.86 372.00 2.06 5.00 1881.79 375.00 2.06

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1815E+03 EXCESS= .0000E+00 OUTFLOW= .1815E+03 BASIN STORAGE= .6089E-01 PERCENT ERROR= .0

13I13J MANE 3.20 2084.50 374.25 2.07 5.00 2075.79 375.00 2.07

CONTINUITY SUMMARY (AC-FT) - INFLOW= .2015E+03 EXCESS= .0000E+00 OUTFLOW= .2015E+03 BASIN STORAGE= .1278E+00 PERCENT ERROR= -.1

13K13L MANE 2.95 577.85 369.34 2.79 5.00 575.48 370.00 2.79

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4570E+02 EXCESS= .0000E+00 OUTFLOW= .4570E+02 BASIN STORAGE= .6872E-02 PERCENT ERROR= .0

13L13M MANE 4.66 792.91 372.59 2.72 5.00 777.31 370.00 2.71

CONTINUITY SUMMARY (AC-FT) - INFLOW= .6299E+02 EXCESS= .0000E+00 OUTFLOW= .6302E+02 BASIN STORAGE= .2866E-01 PERCENT ERROR= -.1

13N13O	MANE	3.96	3365.53	376.31	2.21	5.00	3327.66	375.00	2.21

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3144E+03 EXCESS= .0000E+00 OUTFLOW= .3144E+03 BASIN STORAGE= .2916E+00 PERCENT ERROR= -.1

13P13Q	MANE	2.75	532.09	374.00	2.45	5.00	531.79	375.00	2.45

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4652E+02 EXCESS= .0000E+00 OUTFLOW= .4653E+02 BASIN STORAGE= .2883E-01 PERCENT ERROR= -.1

13Q13R	MANE	3.25	860.13	377.00	2.43	5.00	849.26	375.00	2.43

CONTINUITY SUMMARY (AC-FT) - INFLOW= .7784E+02 EXCESS= .0000E+00 OUTFLOW= .7784E+02 BASIN STORAGE= .5286E-01 PERCENT ERROR= -.1

J1-13S	MANE	1.75	317.23	372.75	2.16	5.00	310.44	375.00	2.16

CONTINUITY SUMMARY (AC-FT) - INFLOW= .2456E+02 EXCESS= .0000E+00 OUTFLOW= .2457E+02 BASIN STORAGE= .8796E-02 PERCENT ERROR= -.1

13-14	MANE	4.00	8696.95	388.39	1.91	5.00	8652.87	385.00	1.91

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1435E+04 EXCESS= .0000E+00 OUTFLOW= .1435E+04 BASIN STORAGE= .1611E+01 PERCENT ERROR= -.1

L1-14A	MANE	1.33	246.49	366.25	2.16	5.00	243.50	365.00	2.16

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1666E+02 EXCESS= .0000E+00 OUTFLOW= .1667E+02 BASIN STORAGE= .7471E-04 PERCENT ERROR= .0

O1-14B	MANE	1.75	216.32	367.50	2.35	5.00	210.14	365.00	2.36

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1418E+02 EXCESS= .0000E+00 OUTFLOW= .1419E+02 BASIN STORAGE= .1849E-03 PERCENT ERROR= .0

M1-14C	MANE	2.07	202.92	364.92	2.88	5.00	202.86	365.00	2.88

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1384E+02 EXCESS= .0000E+00 OUTFLOW= .1385E+02 BASIN STORAGE= .1233E-03 PERCENT ERROR= .0

14-15	MANE	1.82	9033.40	387.09	1.92	5.00	9017.98	385.00	1.92

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1529E+04 EXCESS= .0000E+00 OUTFLOW= .1529E+04 BASIN STORAGE= .1650E+01 PERCENT ERROR= -.1

15-16	MANE	2.65	9103.91	386.72	1.93	5.00	9055.67	385.00	1.92

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1553E+04 EXCESS= .0000E+00 OUTFLOW= .1552E+04 BASIN STORAGE= .2191E+01 PERCENT ERROR= -.1

M3-16	MANE	.76	190.11	375.50	2.18	5.00	189.37	375.00	2.18

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1859E+02 EXCESS= .0000E+00 OUTFLOW= .1859E+02 BASIN STORAGE= .6203E-03 PERCENT ERROR= .0

M4-16B	MANE	2.50	169.21	385.00	1.58	5.00	169.21	385.00	1.57

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1925E+02 EXCESS= .0000E+00 OUTFLOW= .1925E+02 BASIN STORAGE= .2410E-01 PERCENT ERROR= -.1

P2-16C	MANE	1.70	120.26	363.39	1.77	5.00	119.27	365.00	1.77

CONTINUITY SUMMARY (AC-FT) - INFLOW= .7930E+01 EXCESS= .0000E+00 OUTFLOW= .7932E+01 BASIN STORAGE= .7814E-04 PERCENT ERROR= .0

16-17	MANE	3.63	9549.21	388.34	1.92	5.00	9512.35	390.00	1.92

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1629E+04 EXCESS= .0000E+00 OUTFLOW= .1628E+04 BASIN STORAGE= .2741E+01 PERCENT ERROR= -.1

T2-17A	MANE	2.00	122.50	398.00	1.47	5.00	111.59	395.00	1.44

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1244E+02 EXCESS= .0000E+00 OUTFLOW= .1243E+02 BASIN STORAGE= .1006E+00 PERCENT ERROR= -.7

17A-17	MANE	.85	159.65	396.30	1.52	5.00	158.32	395.00	1.52

CONTINUITY SUMMARY (AC-FT) - INFLOW= .2240E+02 EXCESS= .0000E+00 OUTFLOW= .2240E+02 BASIN STORAGE= .5986E-02 PERCENT ERROR= .0

17-18	MANE	2.32	9772.19	388.97	1.92	5.00	9758.32	390.00	1.92

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1694E+04 EXCESS= .0000E+00 OUTFLOW= .1692E+04 BASIN STORAGE= .1883E+01 PERCENT ERROR= .0

T4A18A	MANE	1.05	116.88	371.58	2.00	5.00	115.32	370.00	2.00

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1015E+02 EXCESS= .0000E+00 OUTFLOW= .1015E+02 BASIN STORAGE= .2102E-03 PERCENT ERROR= .0

18-19	MANE	3.66	9909.99	394.86	1.92	5.00	9903.74	395.00	1.92

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1737E+04 EXCESS= .0000E+00 OUTFLOW= .1735E+04 BASIN STORAGE= .1734E+01 PERCENT ERROR= .0

Q1-19A	MANE	1.49	195.66	361.99	2.19	5.00	189.53	360.00	2.19

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1190E+02 EXCESS= .0000E+00 OUTFLOW= .1190E+02 BASIN STORAGE= .6855E-04 PERCENT ERROR= .0

19B19C	MANE	1.75	585.22	369.25	2.02	5.00	580.33	370.00	2.01

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4095E+02 EXCESS= .0000E+00 OUTFLOW= .4096E+02 BASIN STORAGE= .5549E-02 PERCENT ERROR= .0

19D19E	MANE	2.50	994.37	372.50	2.09	5.00	986.35	375.00	2.09

CONTINUITY SUMMARY (AC-FT) - INFLOW= .7378E+02 EXCESS= .0000E+00 OUTFLOW= .7381E+02 BASIN STORAGE= .4758E-01 PERCENT ERROR= -.1

19E19F	MANE	1.78	1334.56	373.38	2.27	5.00	1329.36	375.00	2.27

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1057E+03 EXCESS= .0000E+00 OUTFLOW= .1057E+03 BASIN STORAGE= .4455E-01 PERCENT ERROR= .0

T4B19G	MANE	2.25	142.41	369.00	2.61	5.00	139.24	370.00	2.61

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1043E+02 EXCESS= .0000E+00 OUTFLOW= .1043E+02 BASIN STORAGE= .2162E-03 PERCENT ERROR= .0

19-20	MANE	2.55	10707.51	393.27	1.95	5.00	10701.55	395.00	1.95

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1911E+04 EXCESS= .0000E+00 OUTFLOW= .1910E+04 BASIN STORAGE= .1763E+01 PERCENT ERROR= .0

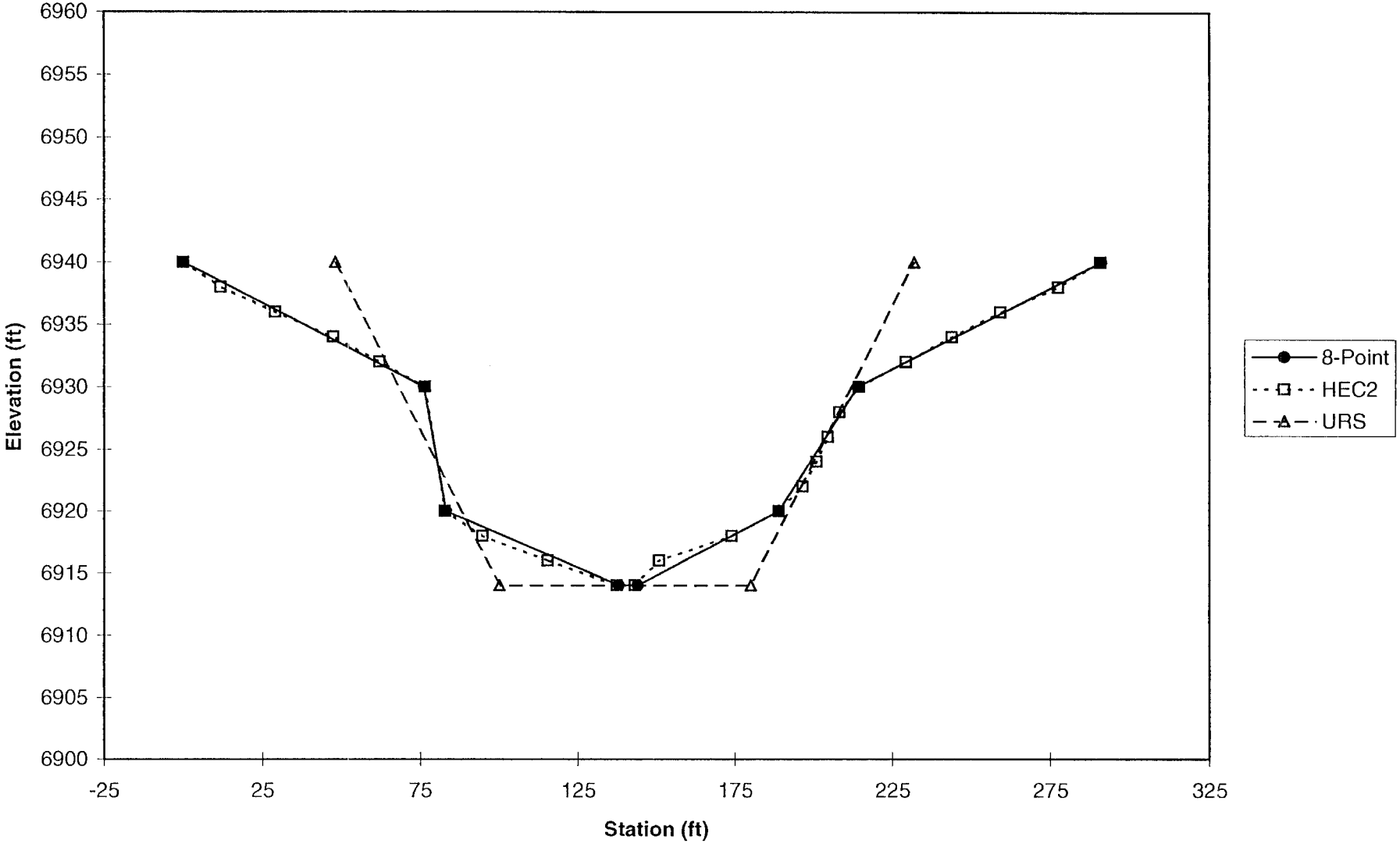
20-21	MANE	1.53	10712.94	395.86	1.96	5.00	10710.91	395.00	1.96

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1929E+04 EXCESS= .0000E+00 OUTFLOW= .1928E+04 BASIN STORAGE= .9851E+00 PERCENT ERROR= .0

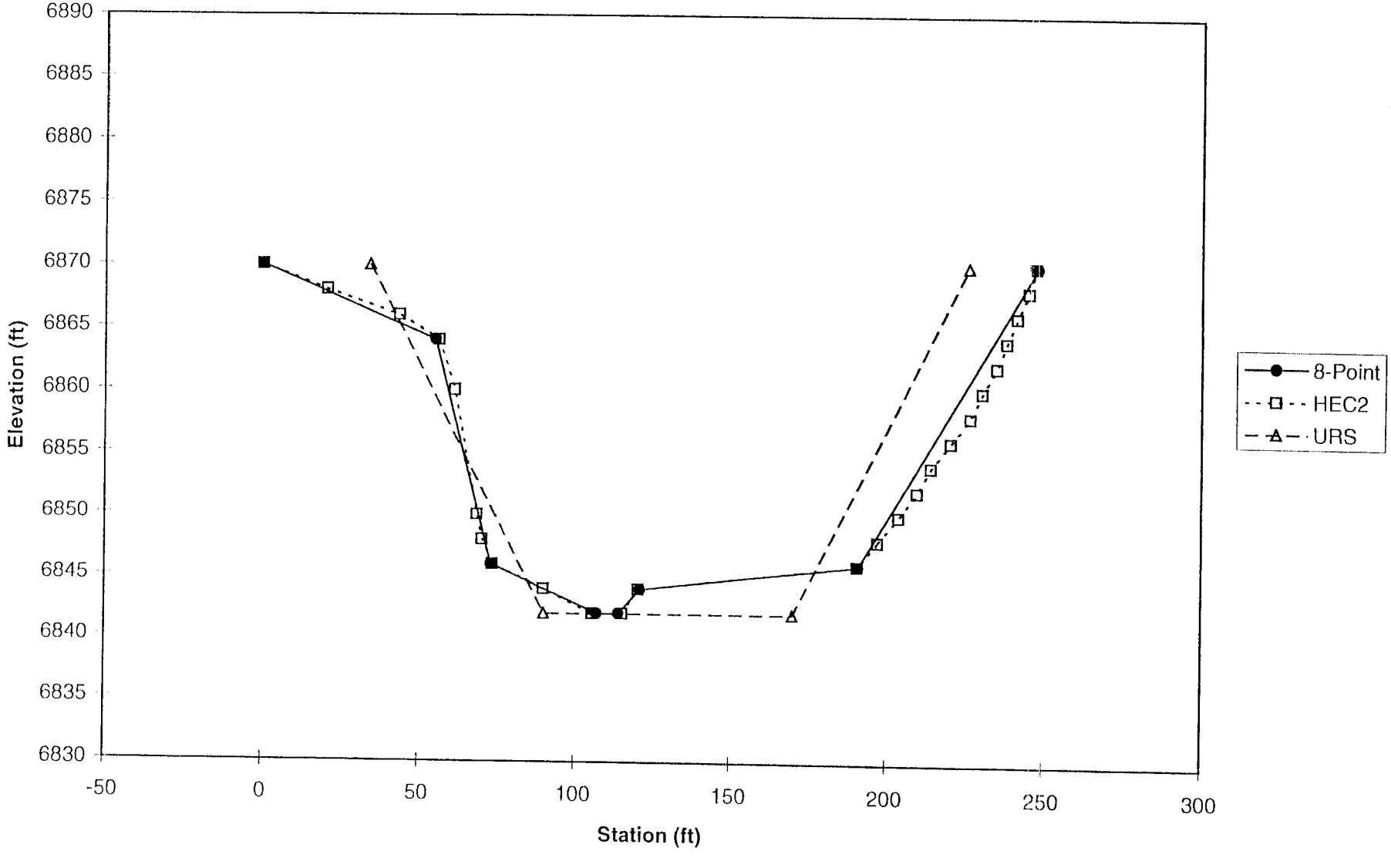
*** NORMAL END OF HEC-1 ***

Routing Section Geometry Plots

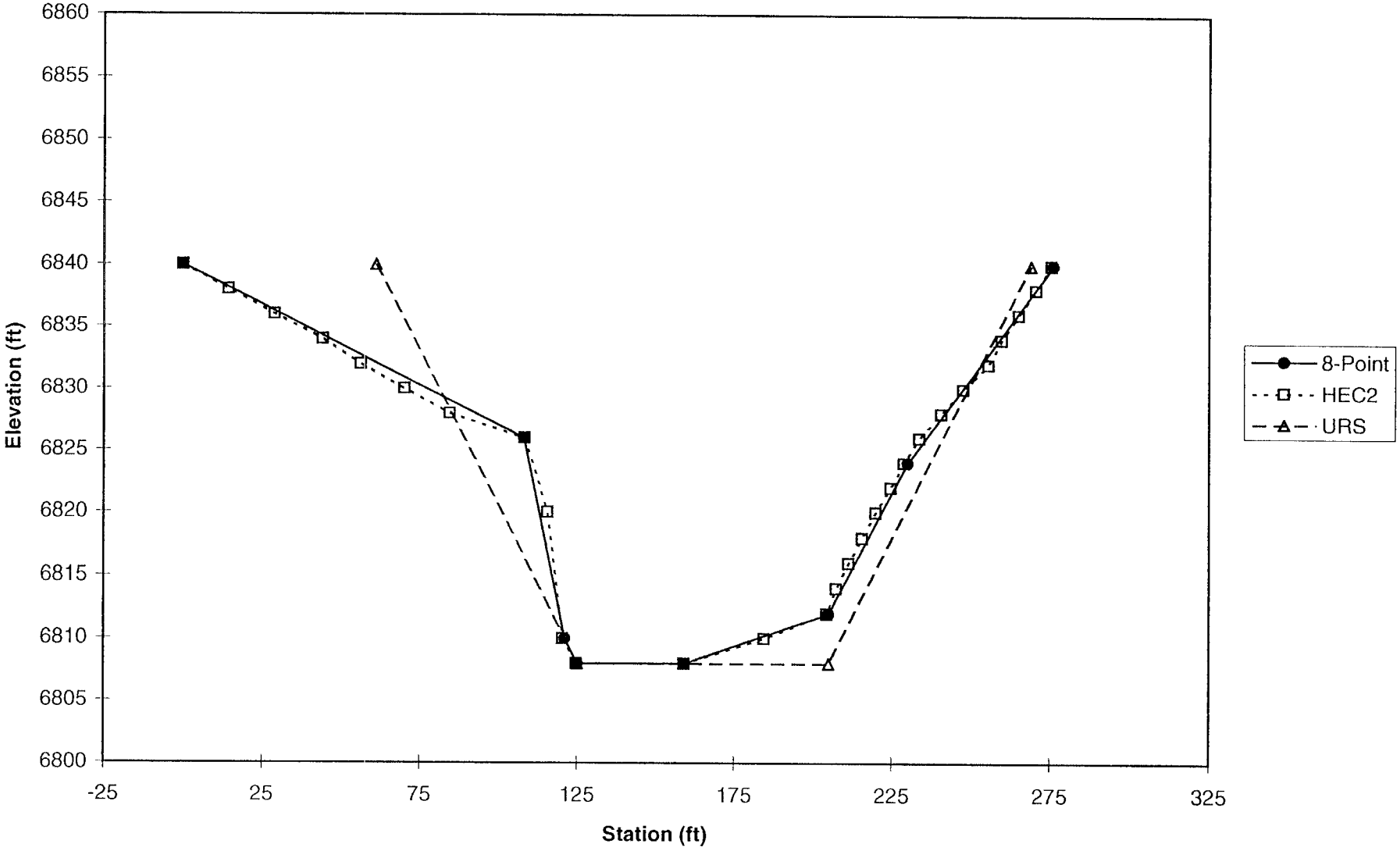
Cottonwood Creek Drainage Basin Planning Study
Reach 7-8



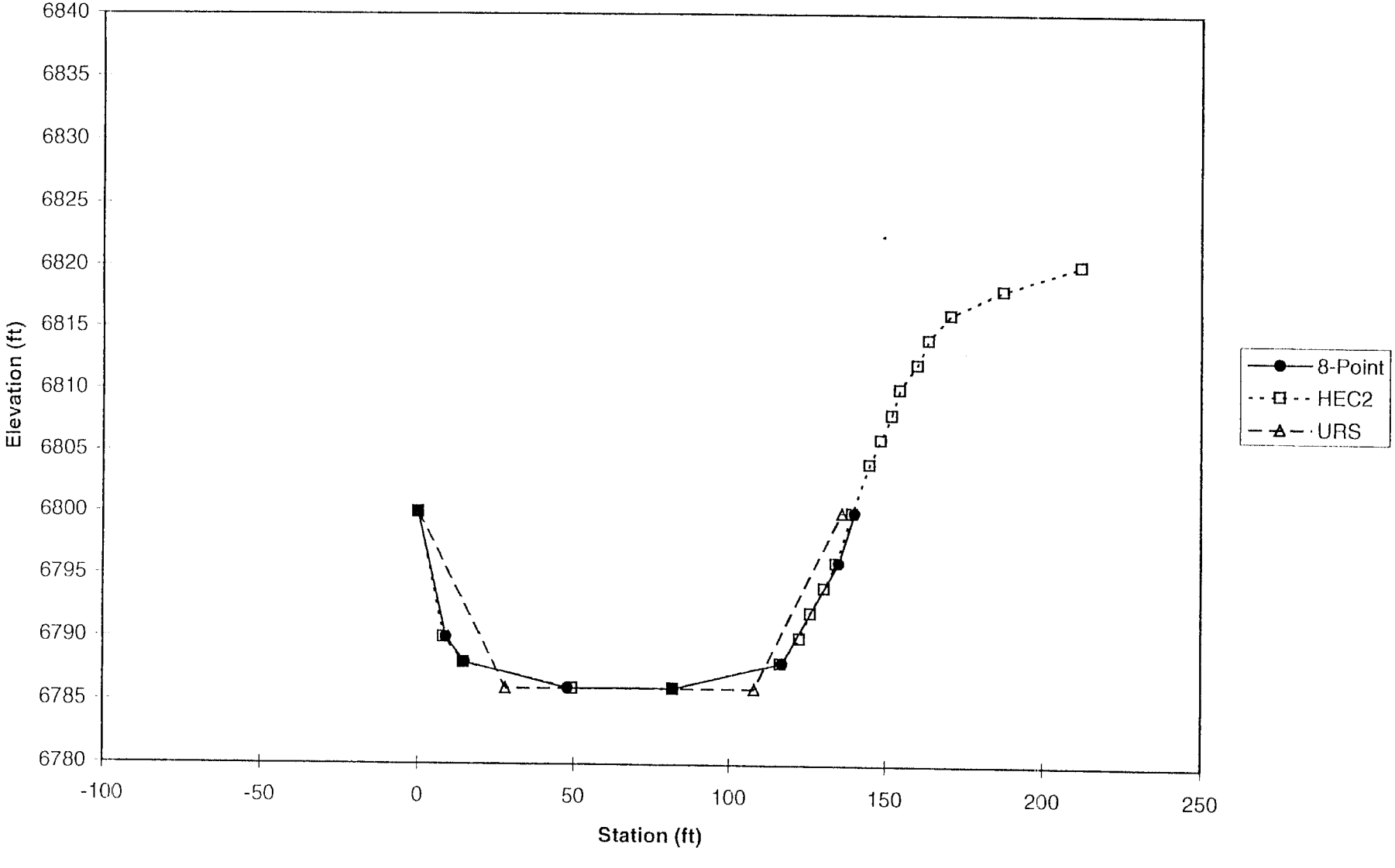
Cottonwood Creek Drainage Basin Planning Study
Reach 8-9



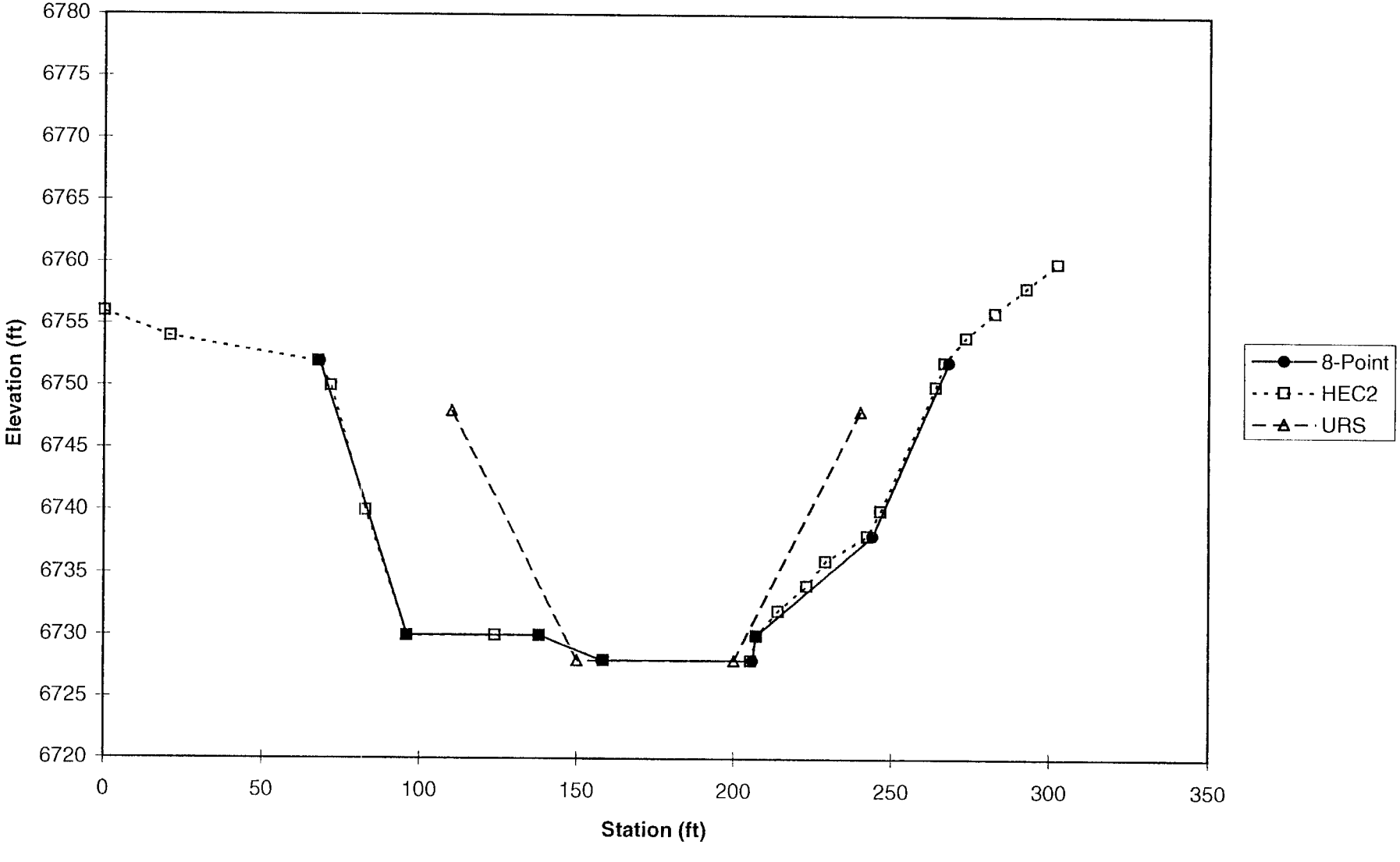
Cottonwood Creek Drainage Basin Planning Study
Reach 9-10

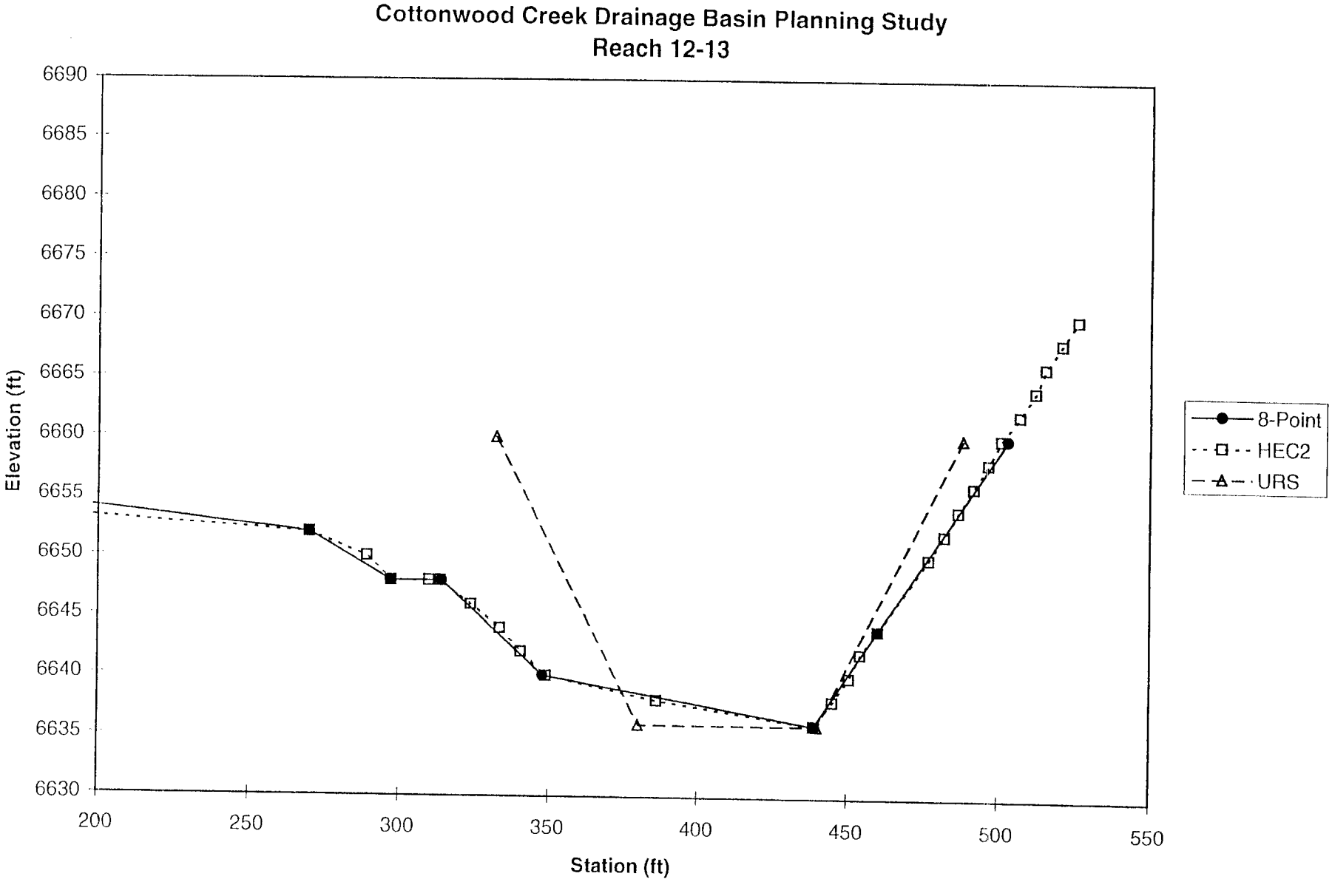


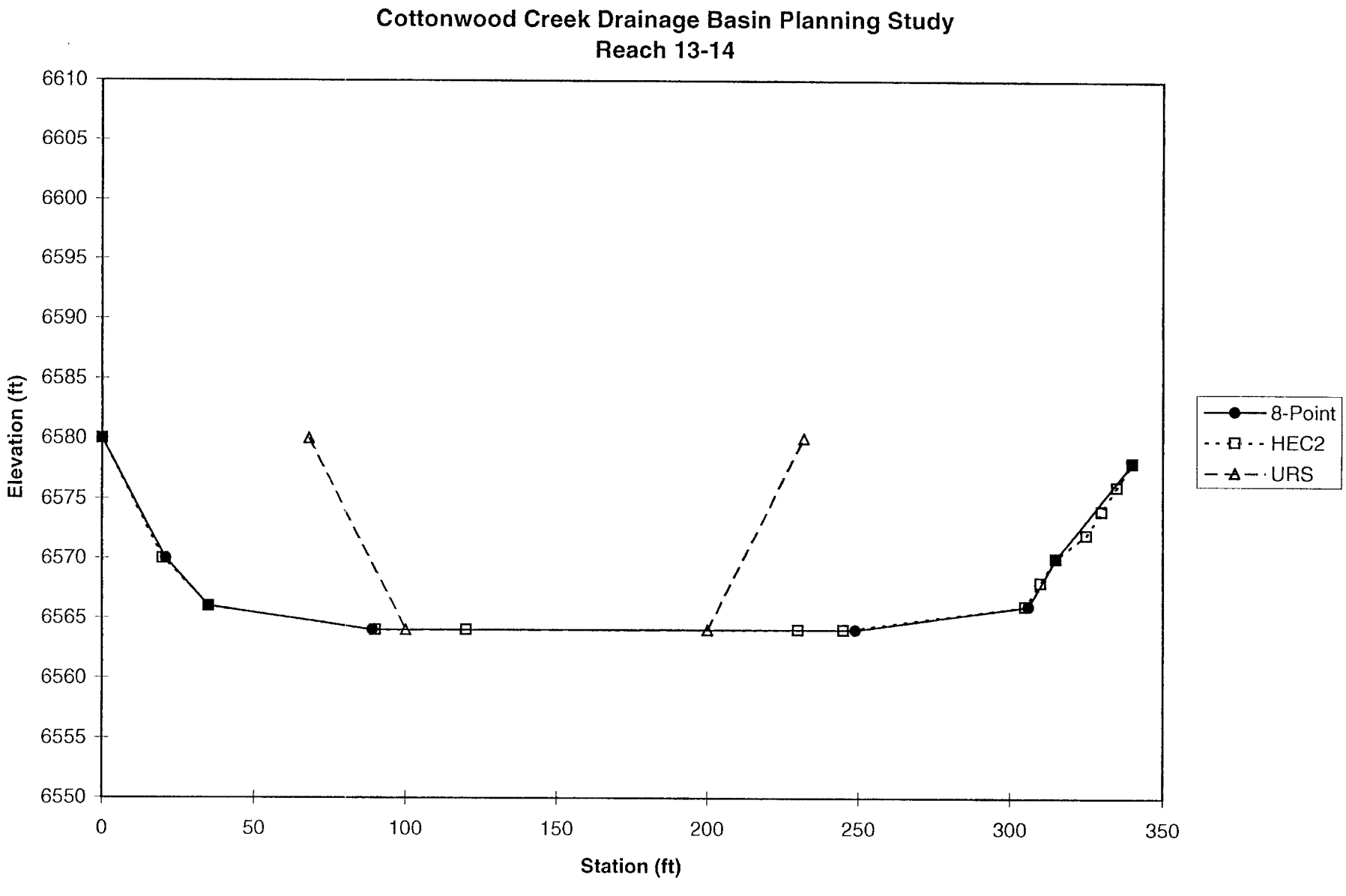
Cottonwood Creek Drainage Basin Planning Study
Reach 10-11



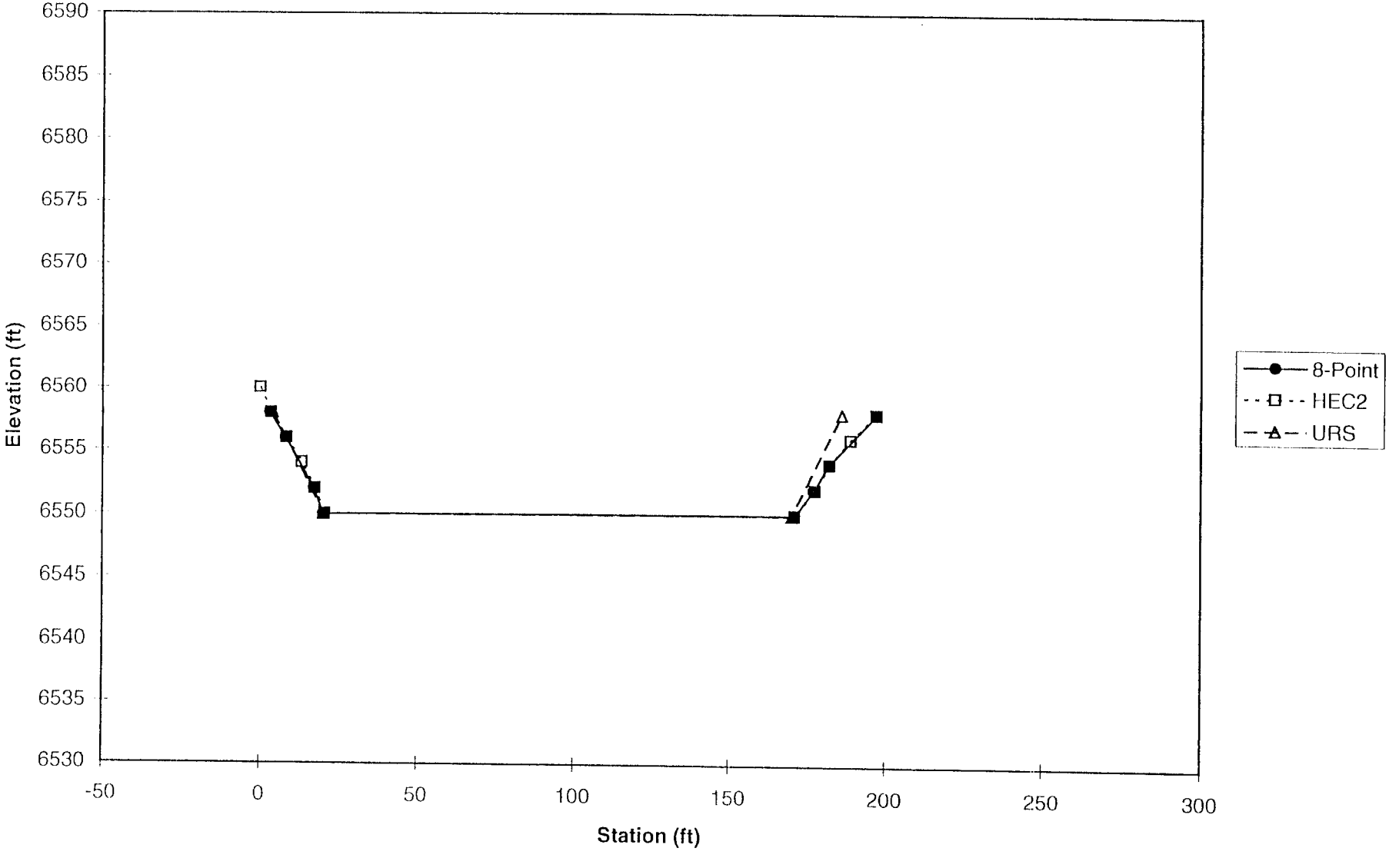
Cottonwood Creek Drainage Basin Planning Study
Reach 11-12



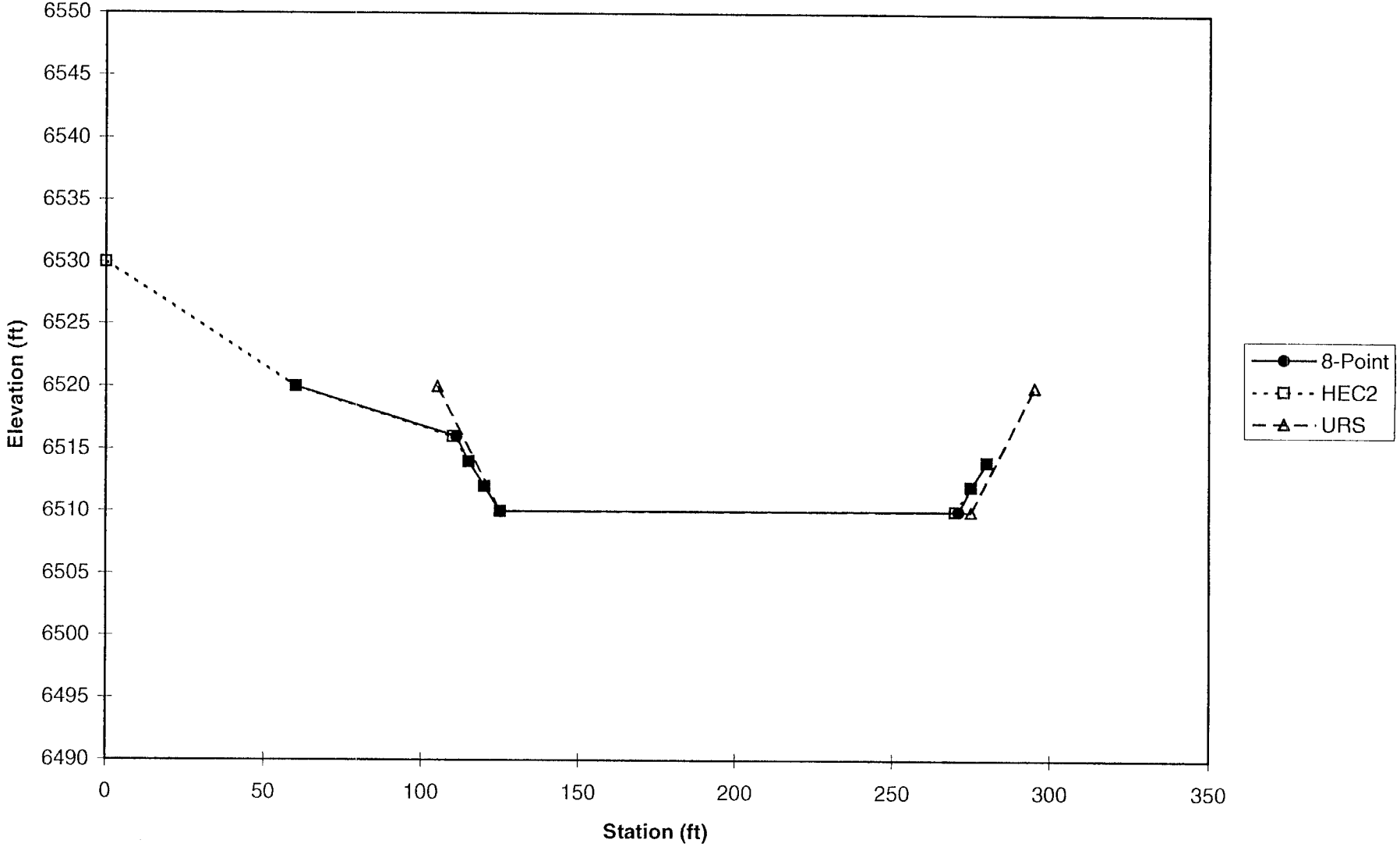

Cottonwood Creek Drainage Basin Planning Study
Reach 12-13
Elevation (ft)
6690
6685
6680
6675
6670
6665
6660
6655
6650
6645
6640
6635
6630
200
250
300
350
400
450
500
550
Station (ft)
8-Point
HEC2
URS

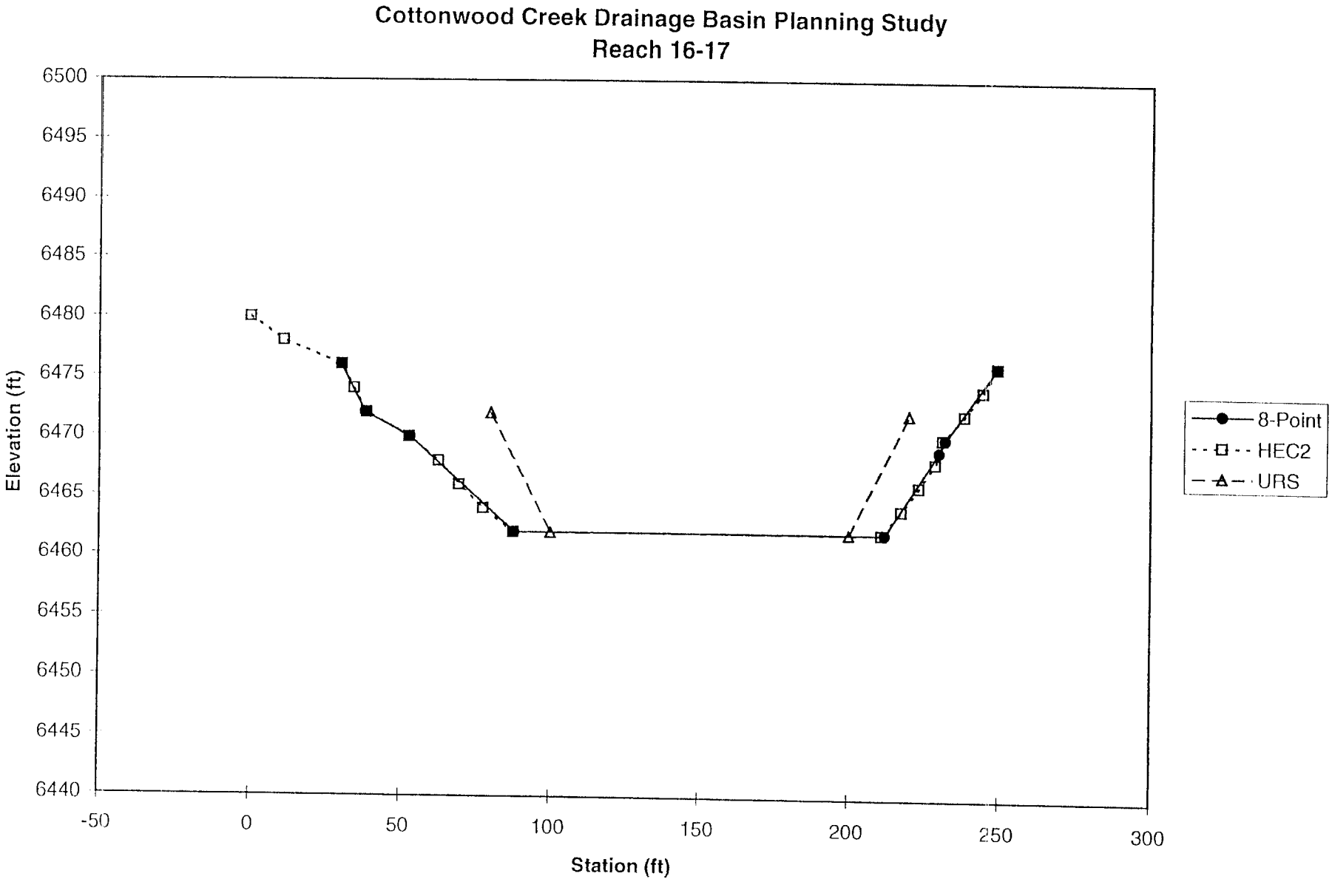

Cottonwood Creek Drainage Basin Planning Study
Reach 13-14
Elevation (ft)
6610
6605
6600
6595
6590
6585
6580
6575
6570
6565
6560
6555
6550
0
50
100
150
200
250
300
350
Station (ft)
8-Point
HEC2
URS

Cottonwood Creek Drainage Basin Planning Study
Reach 14-15

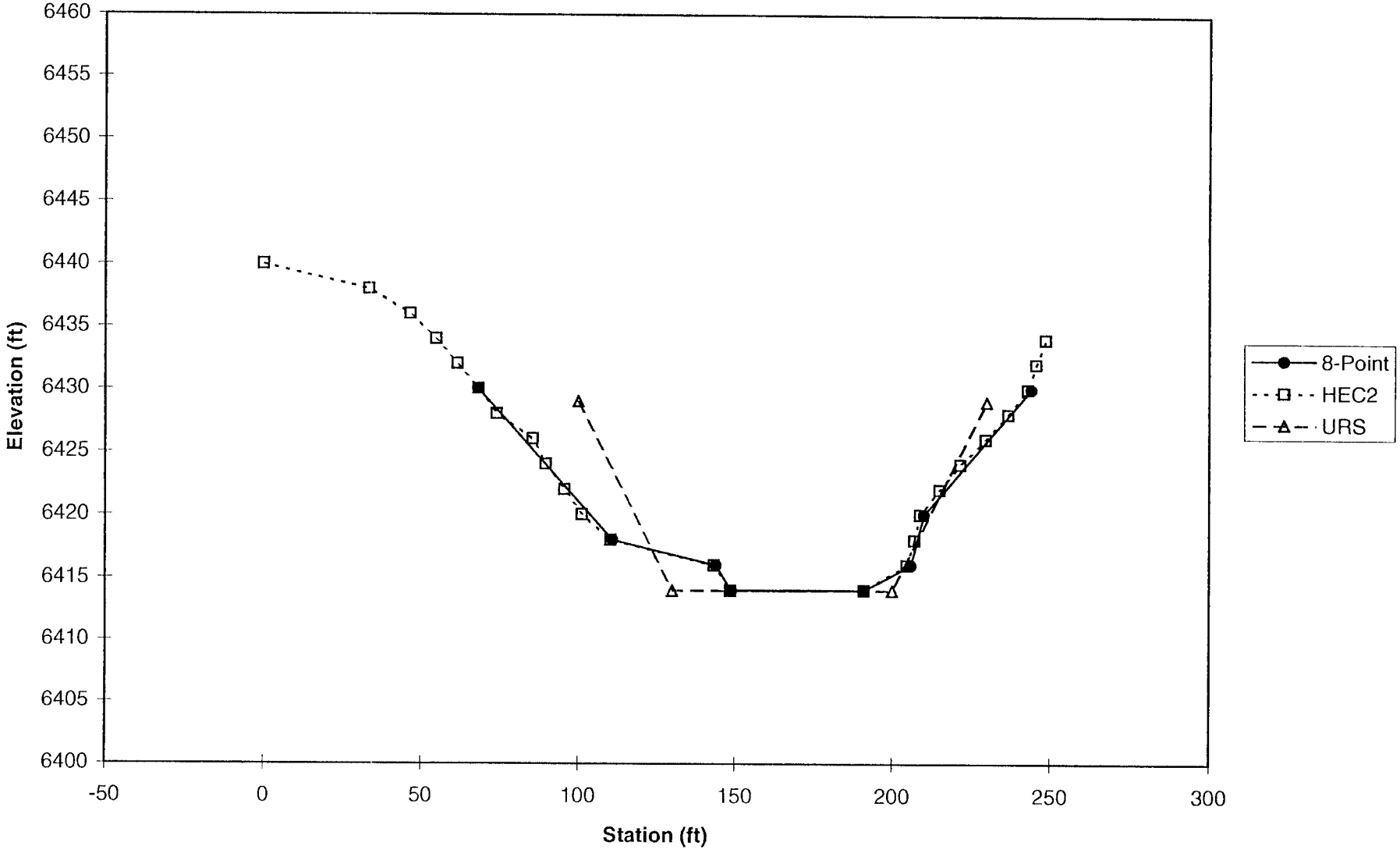


Cottonwood Creek Drainage Basin Planning Study
Reach 15-16

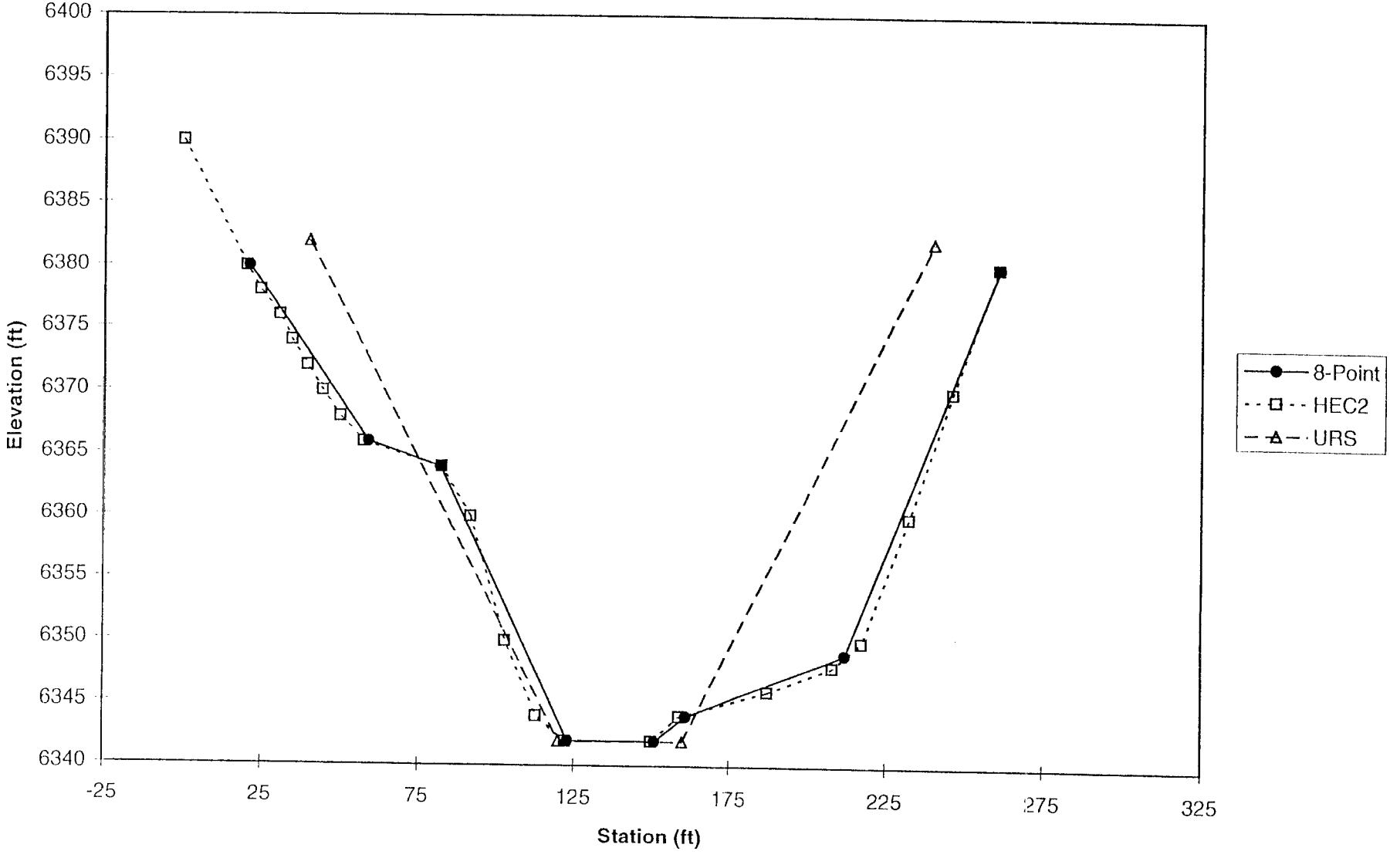



Cottonwood Creek Drainage Basin Planning Study
Reach 16-17
Elevation (ft)
6500
6495
6490
6485
6480
6475
6470
6465
6460
6455
6450
6445
6440
-50
0
50
100
150
200
250
300
Station (ft)
8-Point
HEC2
URS

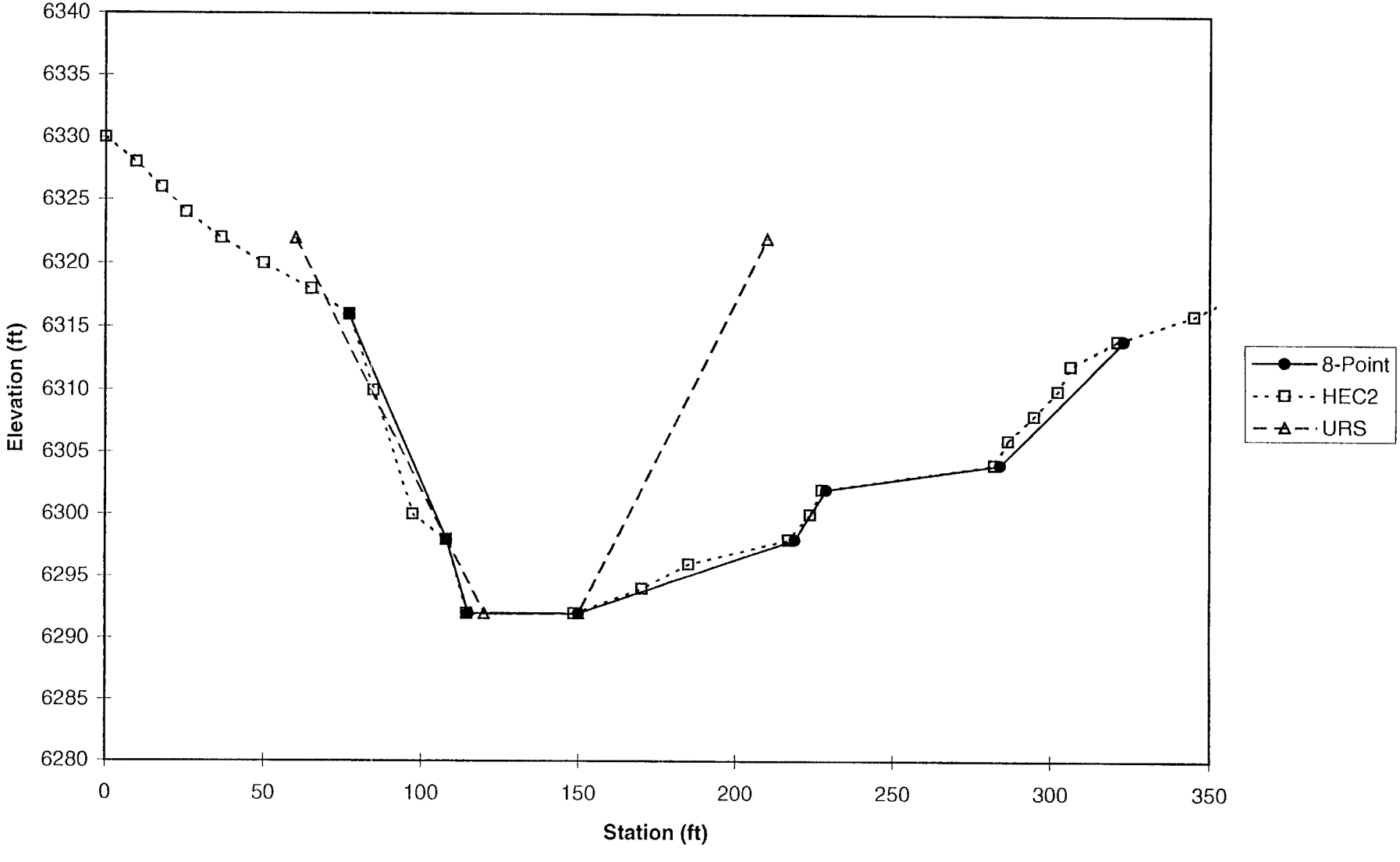
Cottonwood Creek Drainage Basin Planning Study
Reach 17-18

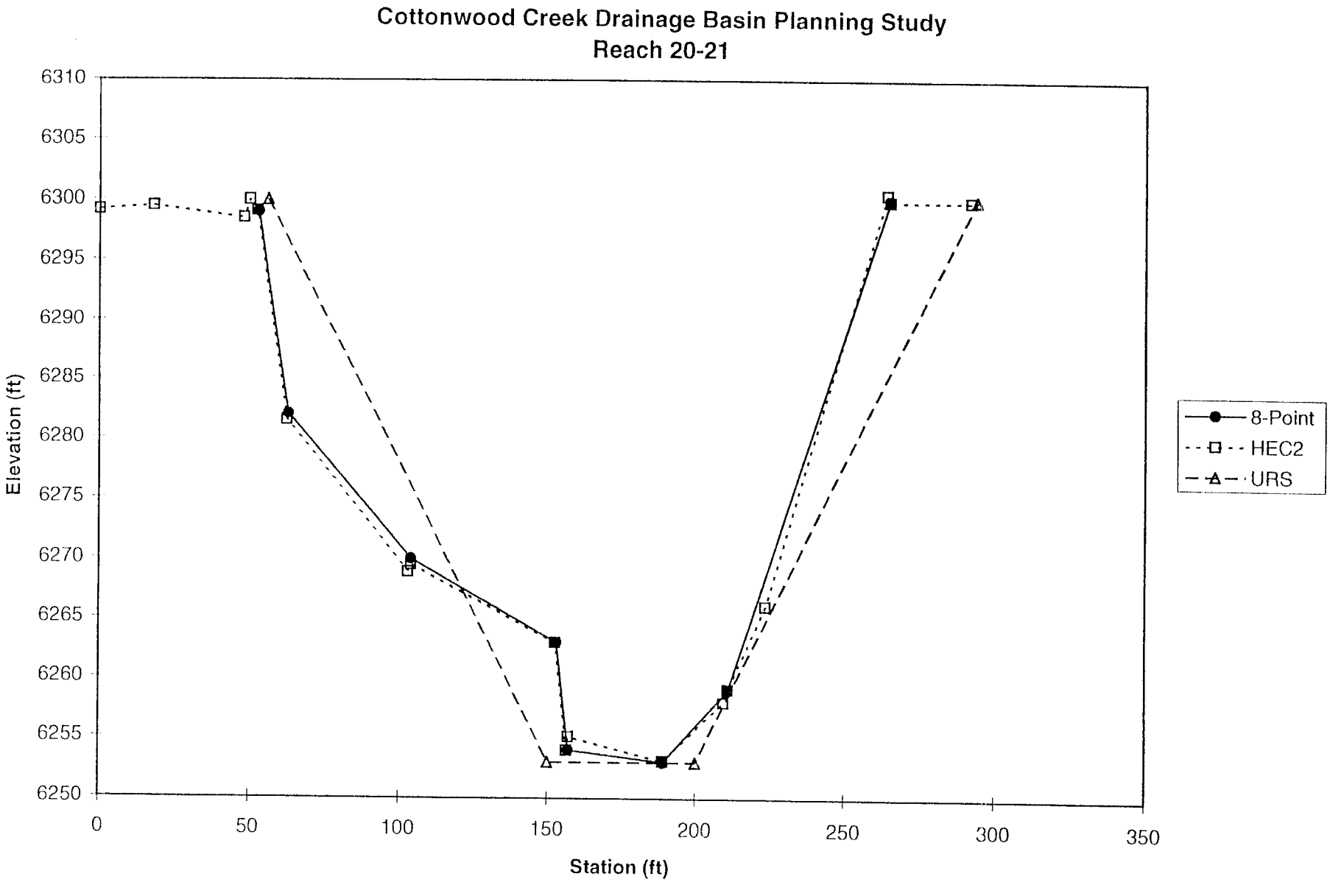


Cottonwood Creek Drainage Basin Planning Study
Reach 18-19



Cottonwood Creek Drainage Basin Planning Study
Reach 19-20




Cottonwood Creek Drainage Basin Planning Study
Reach 20-21
Elevation (ft)
6310
6305
6300
6295
6290
6285
6280
6275
6270
6265
6260
6255
6250
0
50
100
150
200
250
300
350
Station (ft)
8-Point
HEC2
URS