

HMS * Summary of Results

Project : WCS

Run Name : 500 Year R1

Start of Run : 01Dec00 0000 Basin Model : 100YrAM1/22/04
 End of Run : 02Dec00 0000 Met. Model : Met 500 Year R1
 Execution Time : 03Nov05 1631 Control Specs : Control 1

Hydrologic Element	Discharge Peak (cfs)	Time of Peak	Volume (ac ft)	Drainage Area (sq mi)
Subbasin-4	714.02	01 Dec 00 1233	110.29	0.490
Reach-2	714.02	01 Dec 00 1248	109.75	0.490
Subbasin-2	1057.3	01 Dec 00 1302	236.57	1.063
playa	0.0	30 Nov 00 2400	0.0	1.063
Reach-1	0.0	30 Nov 00 2400	0.0	1.063
Subbasin-1A	591.53	01 Dec 00 1325	161.43	0.691
Reach-1A	591.53	01 Dec 00 1342	160.49	0.691
Subbasin-1B	418.70	01 Dec 00 1239	70.527	0.314
Junction-1A	750.62	01 Dec 00 1327	231.02	1.005
Reach-1B	750.62	01 Dec 00 1330	230.78	1.005
Subbasin-3	208.01	01 Dec 00 1239	35.039	0.156
Junction-1	857.40	01 Dec 00 1300	265.82	2.224
Reach-3	857.40	01 Dec 00 1317	264.27	2.224
Subbasin-5A	285.12	01 Dec 00 1232	43.236	0.192
Junction-2	1668.0	01 Dec 00 1253	417.25	2.906
Reach-4	1668.0	01 Dec 00 1314	414.24	2.906
Subbasin-5B	307.55	01 Dec 00 1249	59.289	0.265
Junction-3	1913.6	01 Dec 00 1312	473.53	3.171
Reach-5	1913.6	01 Dec 00 1326	471.22	3.171
Subbasin-6	130.23	01 Dec 00 1223	16.721	0.074
Junction-4	1942.7	01 Dec 00 1325	487.94	3.245
Reach-6	1942.7	01 Dec 00 1325	487.94	3.245
Subbasin-7	104.67	01 Dec 00 1301	23.156	0.104
Junction-5	2031.8	01 Dec 00 1325	511.09	3.349

Meteorologic Model Input - 500-Year Storm

HMS - Meteorologic Model

File Edit Help

Meteorologic Model: Met 500 Year R1 Subbasin List

Description: 500 Year, 24 Hour Storm

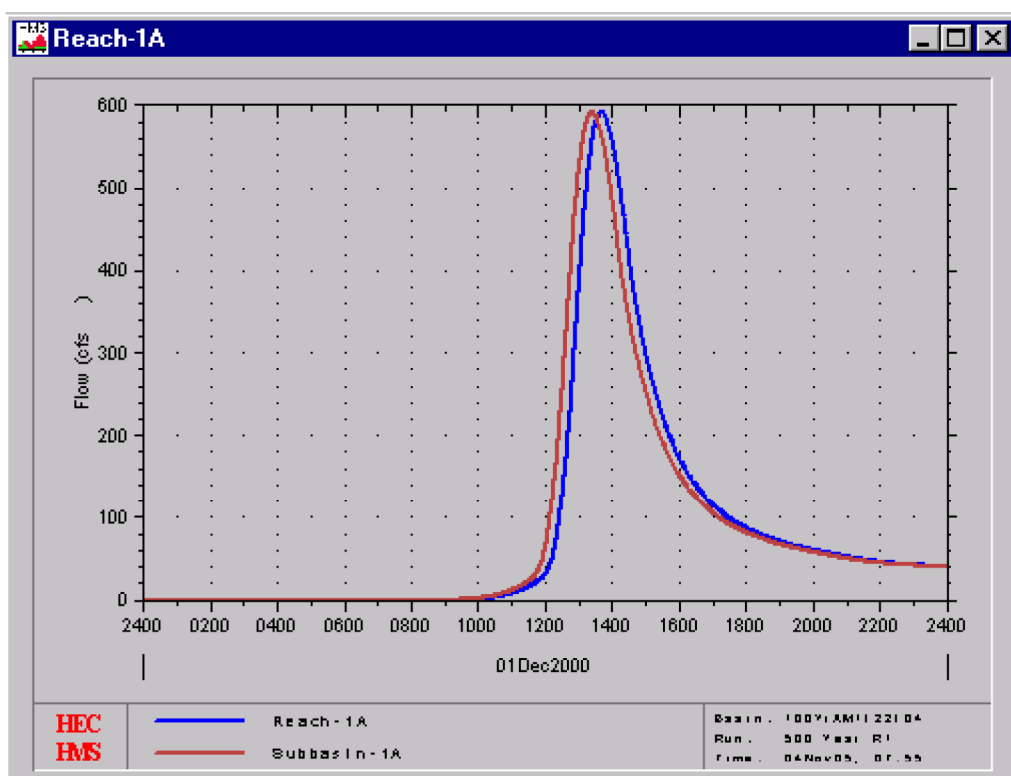
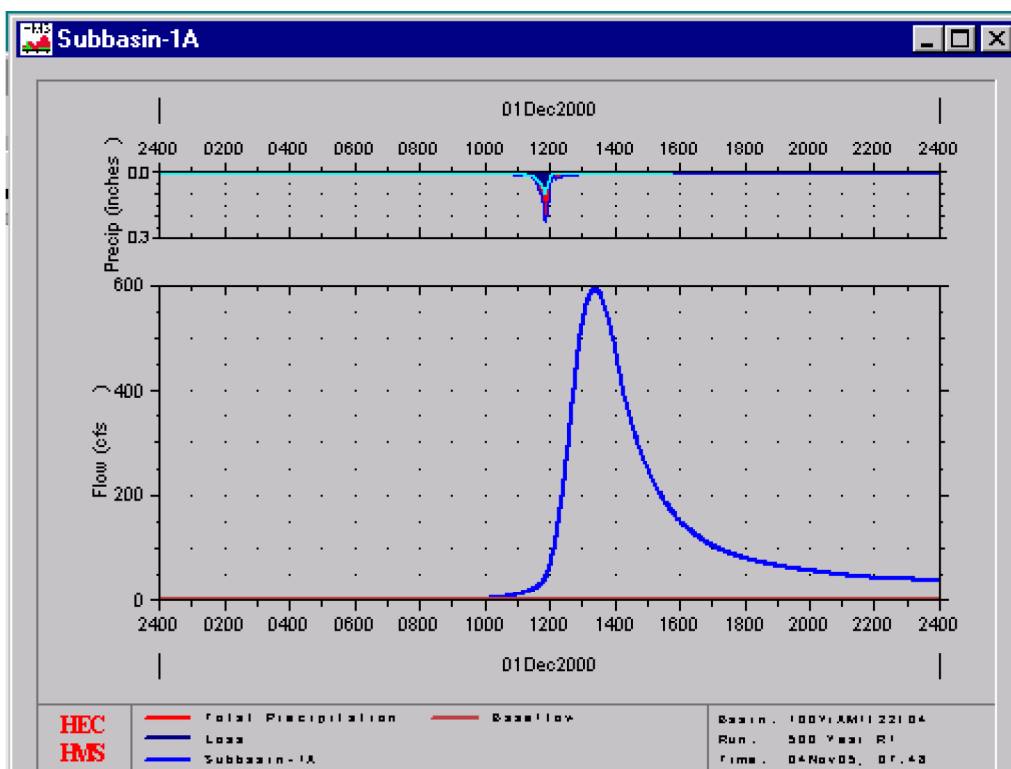
Precipitation | Evapotranspiration

Method: SCS Hypothetical Storm

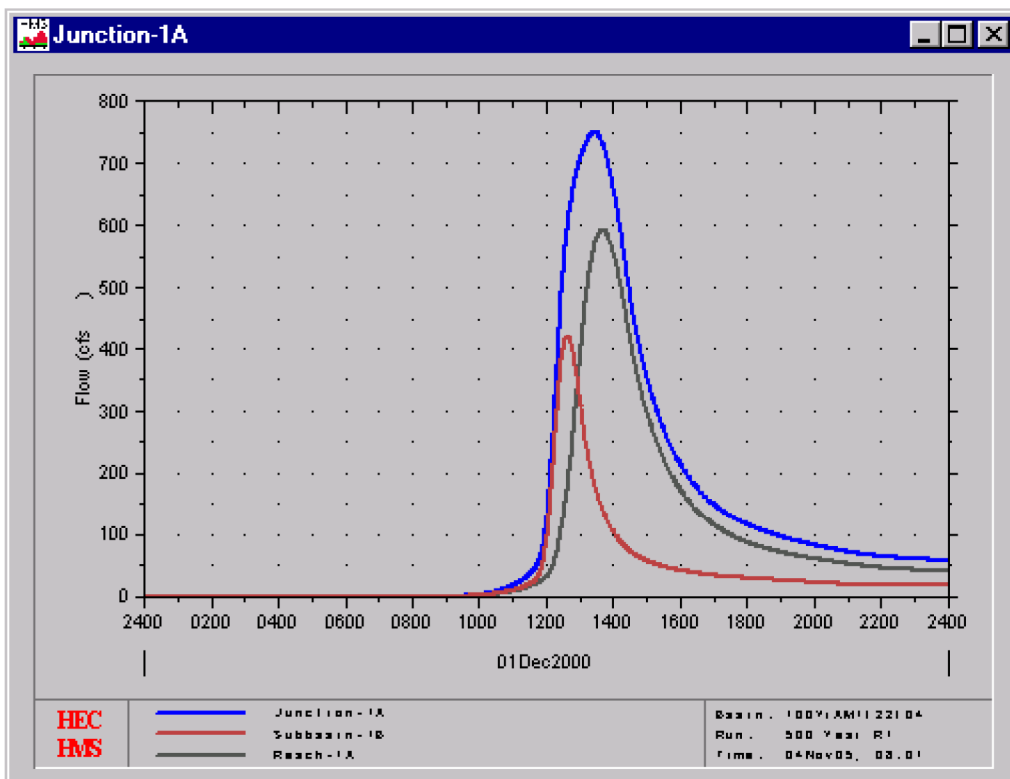
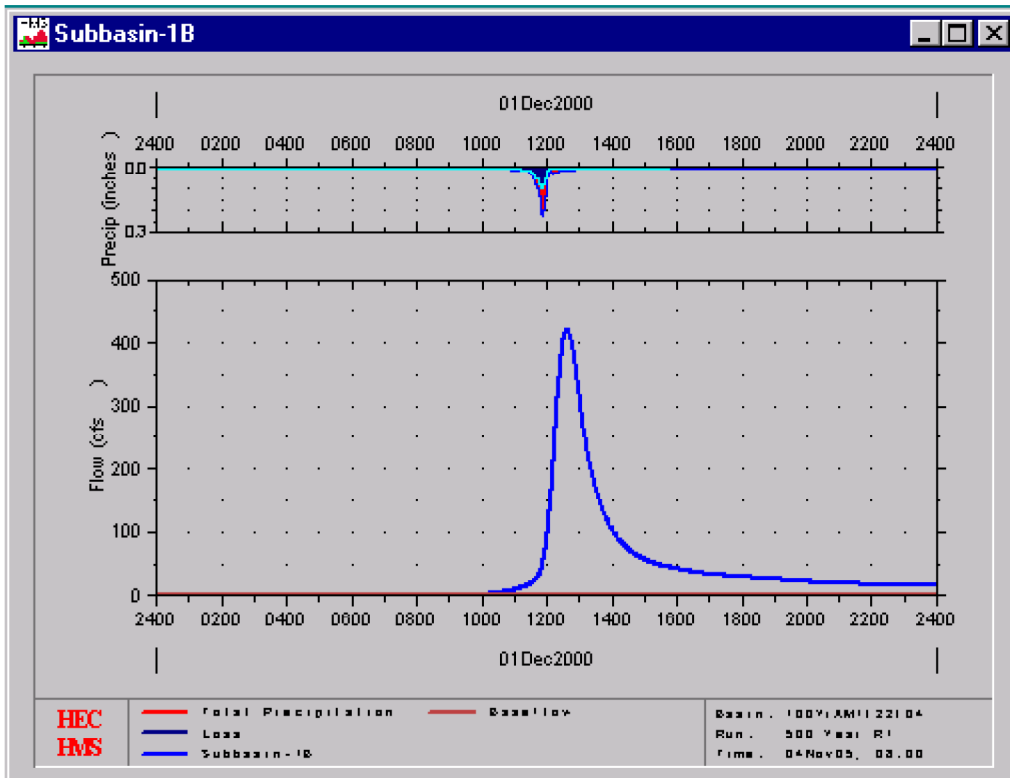
Storm Selection: Type II

Storm Depth (in): 9.24

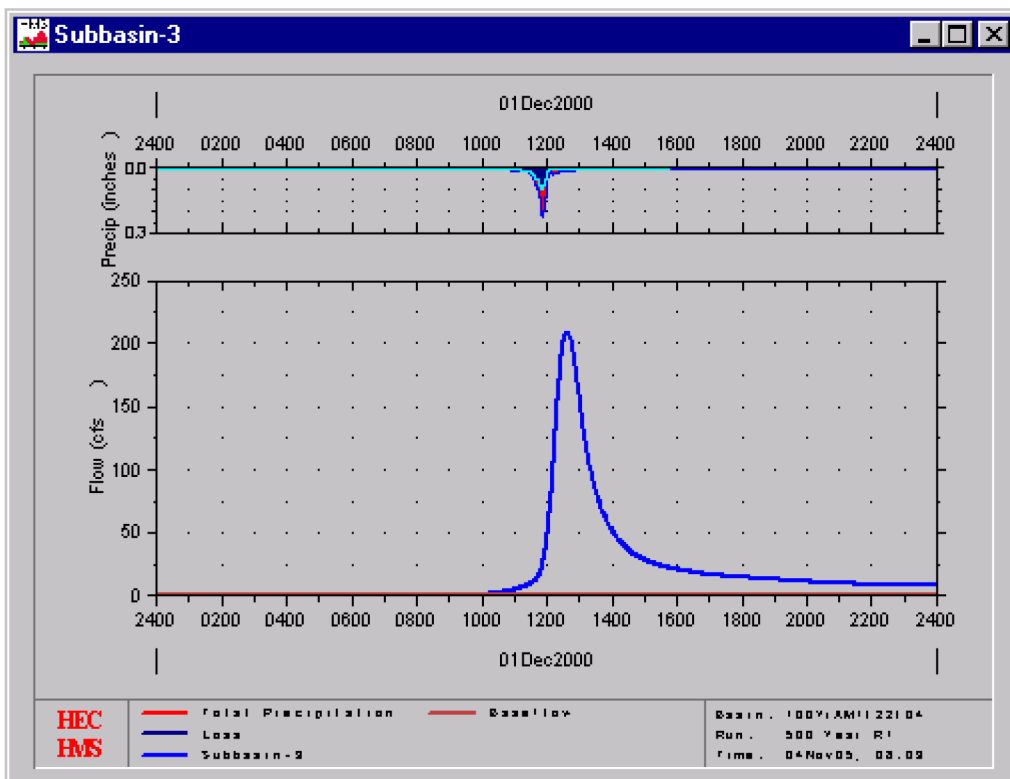
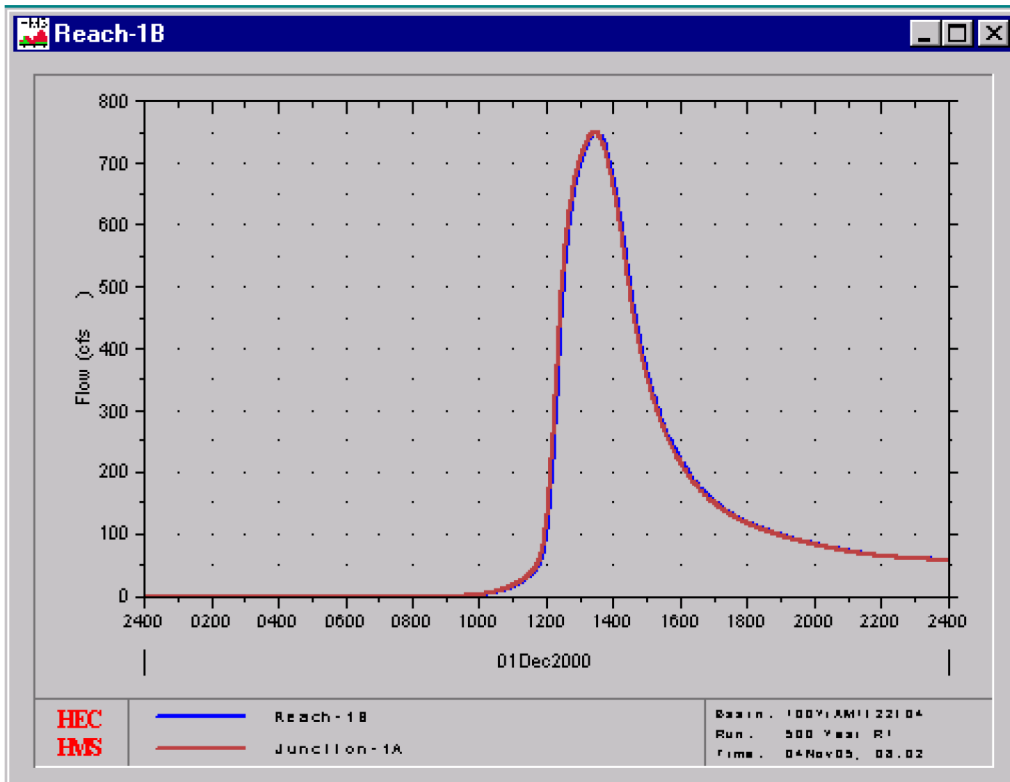
WCS FACILITY FLOOD PLAIN STUDY HYDROGRAPHS



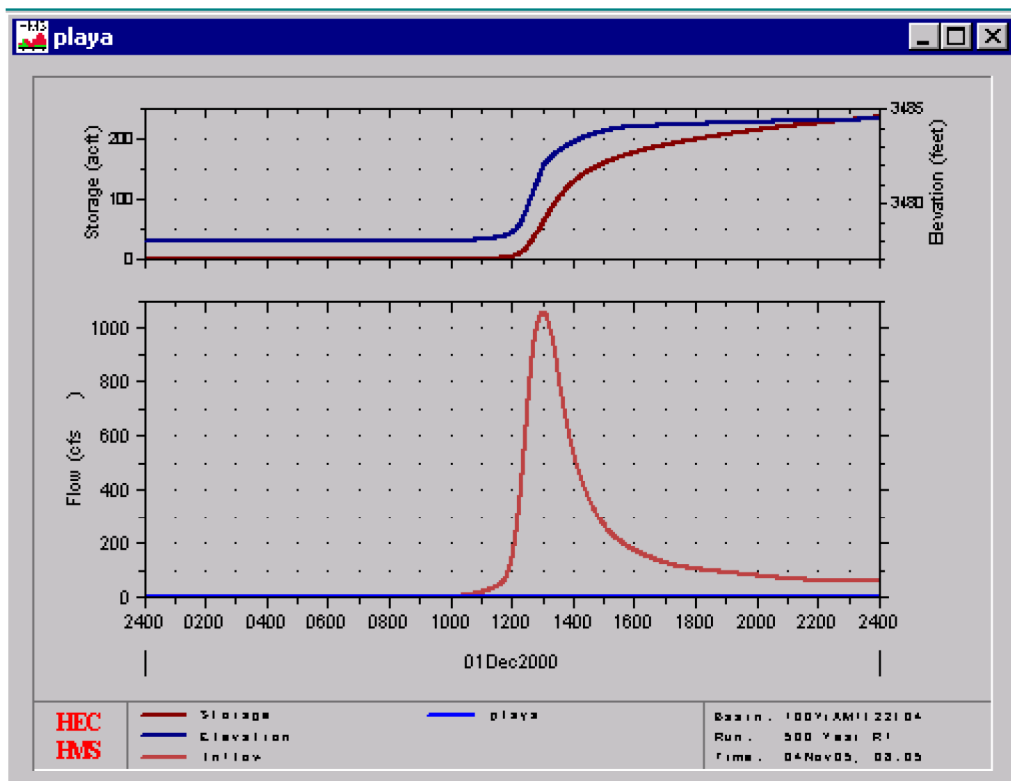
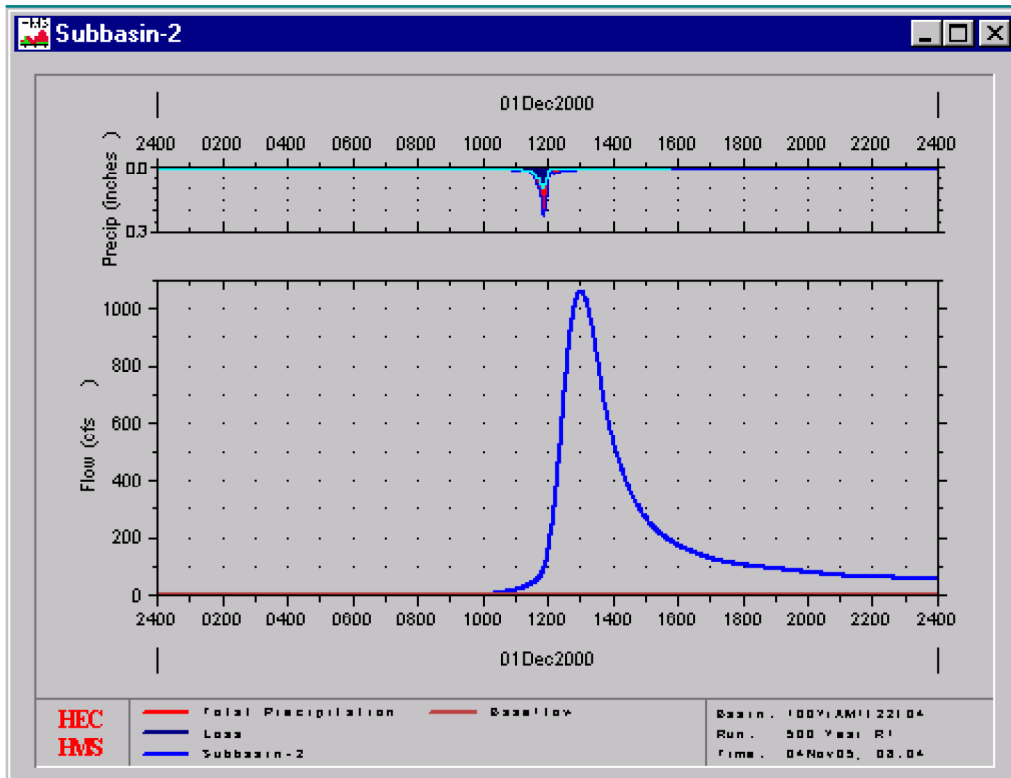
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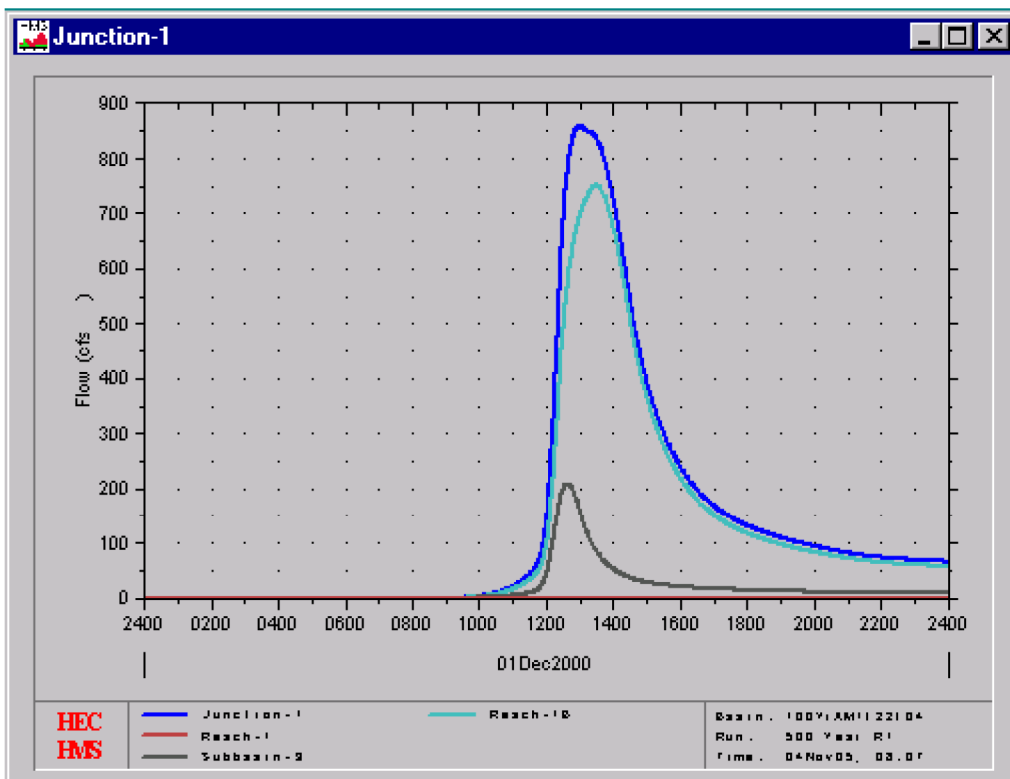
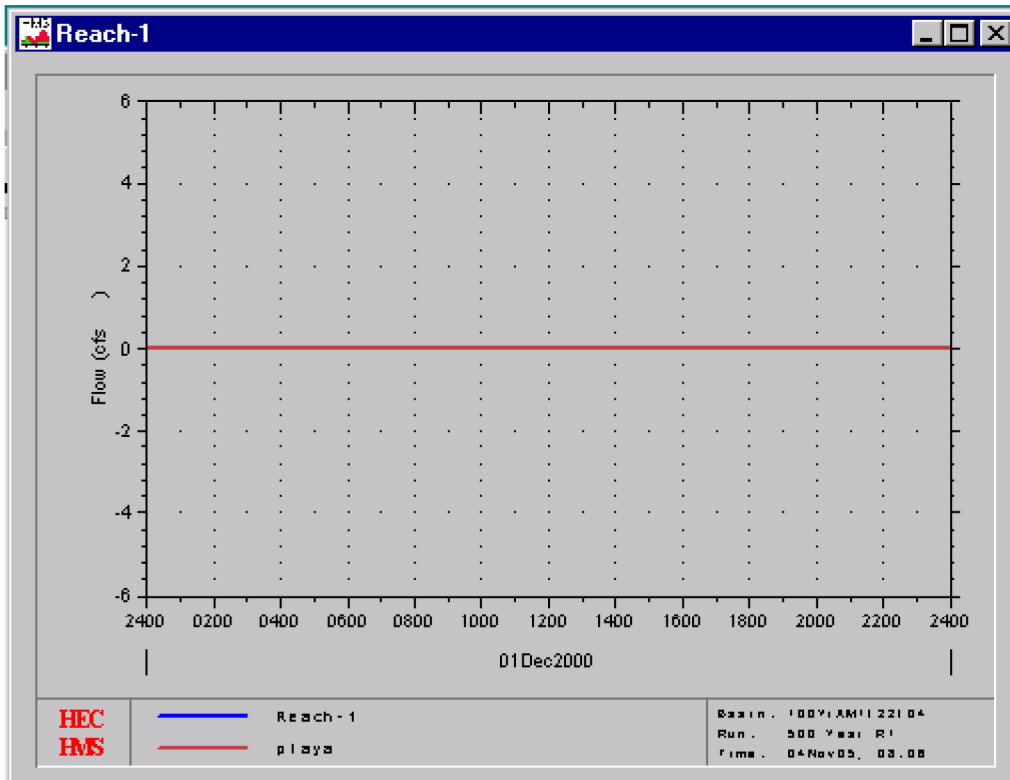
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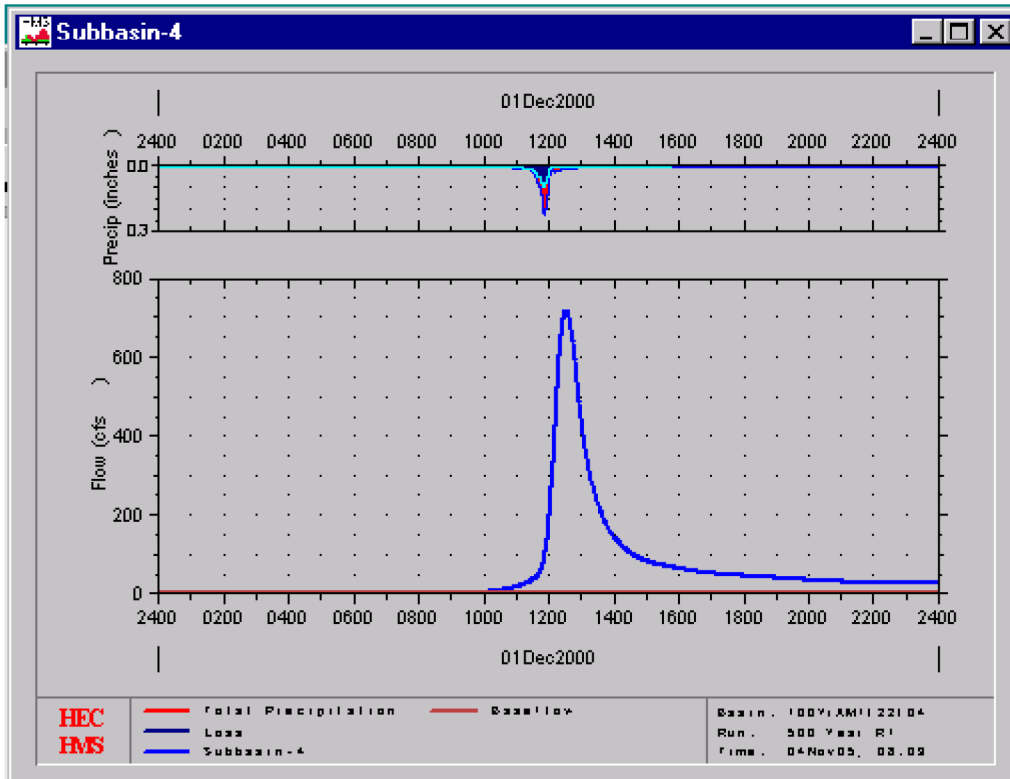
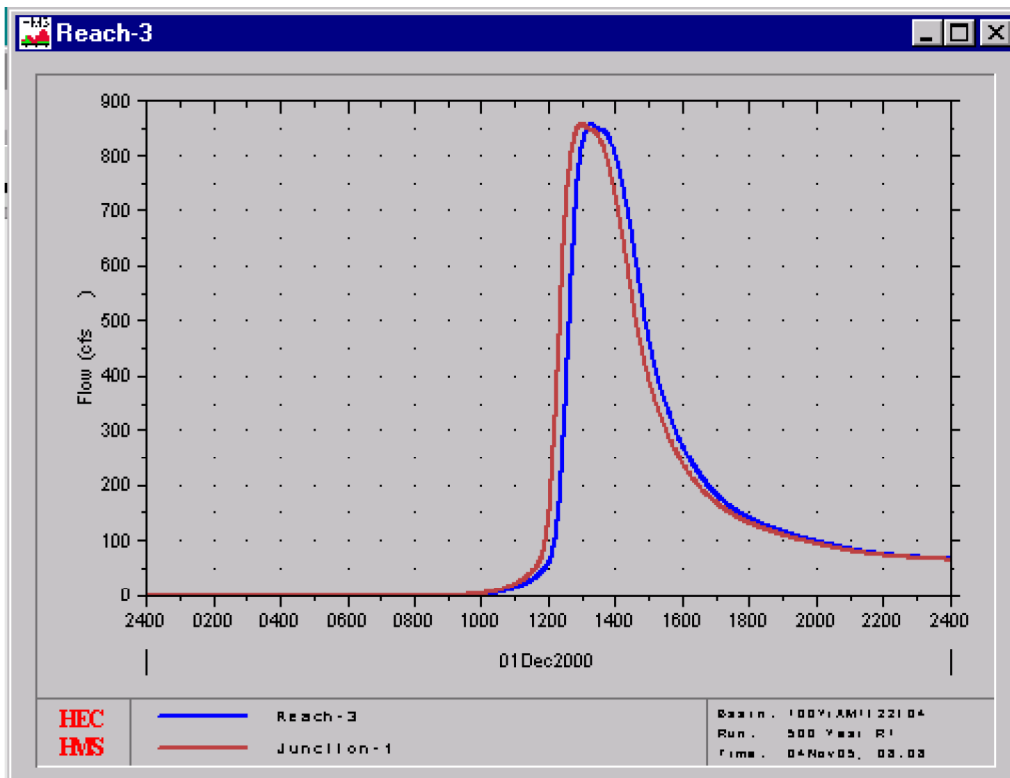
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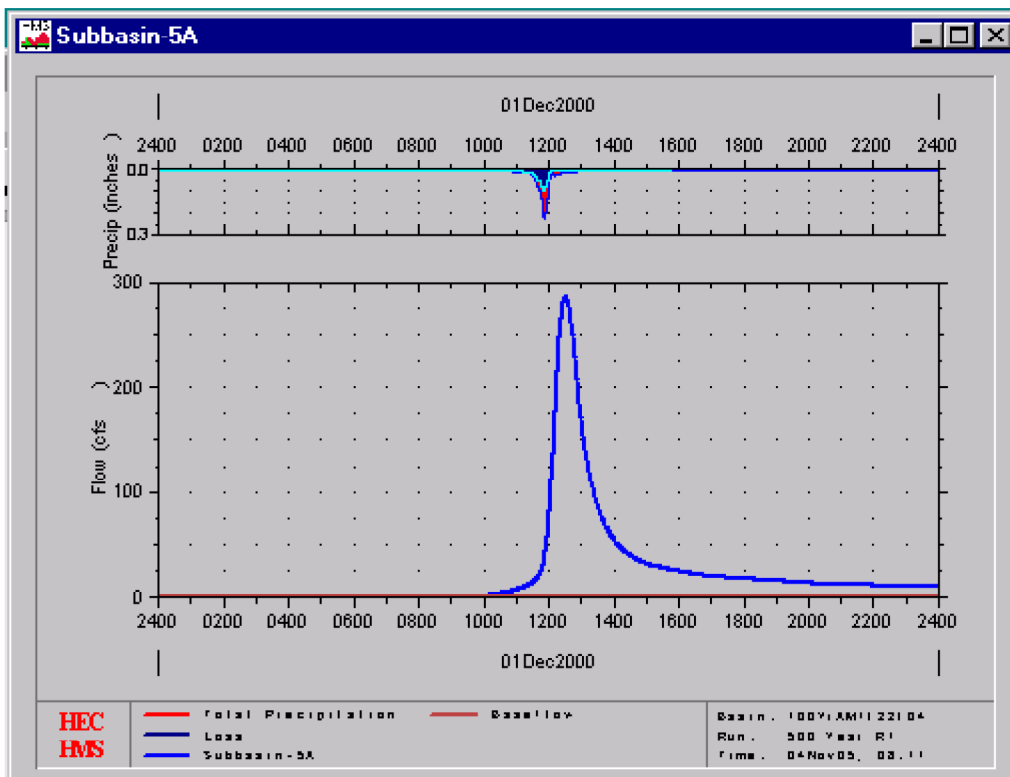
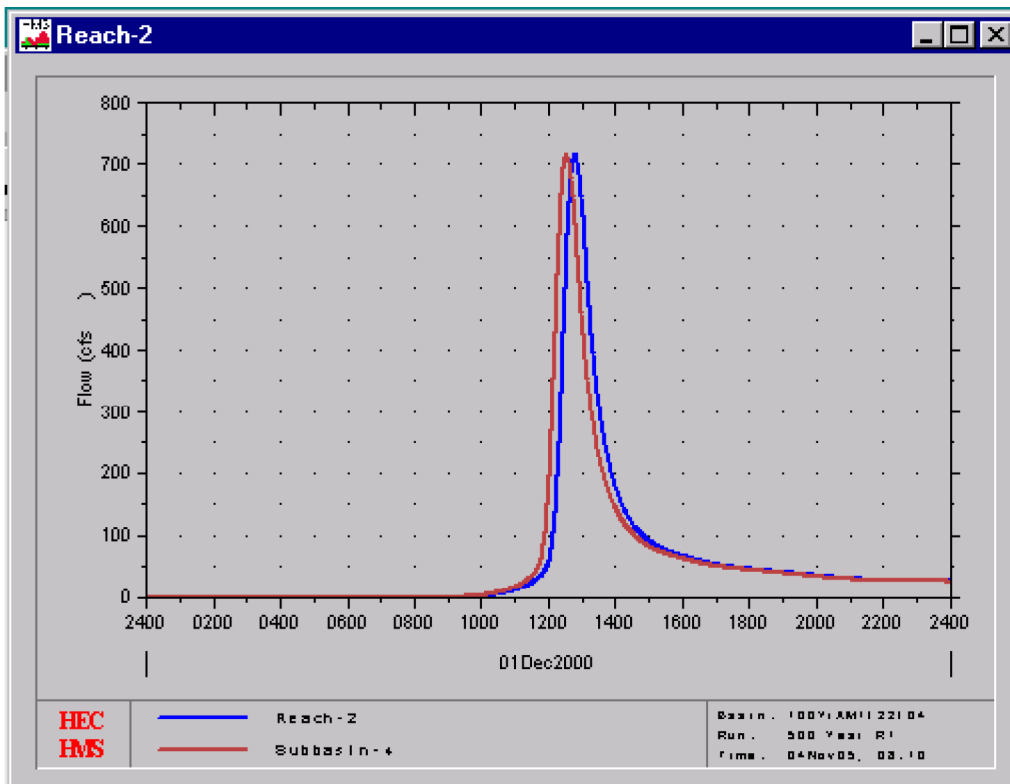
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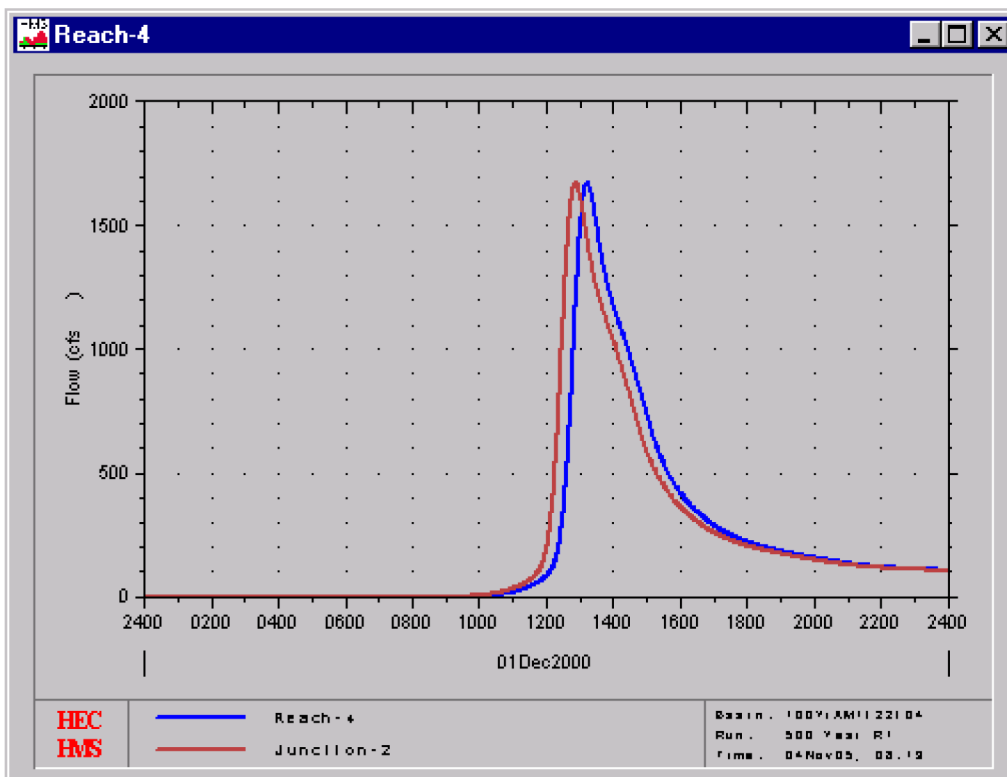
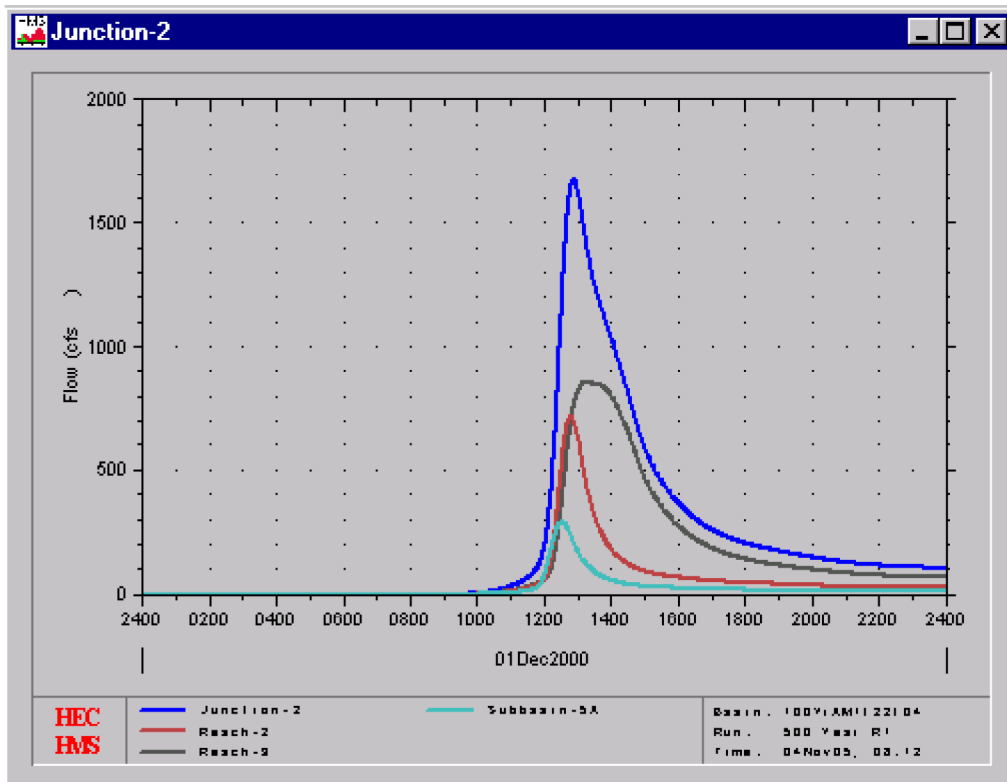
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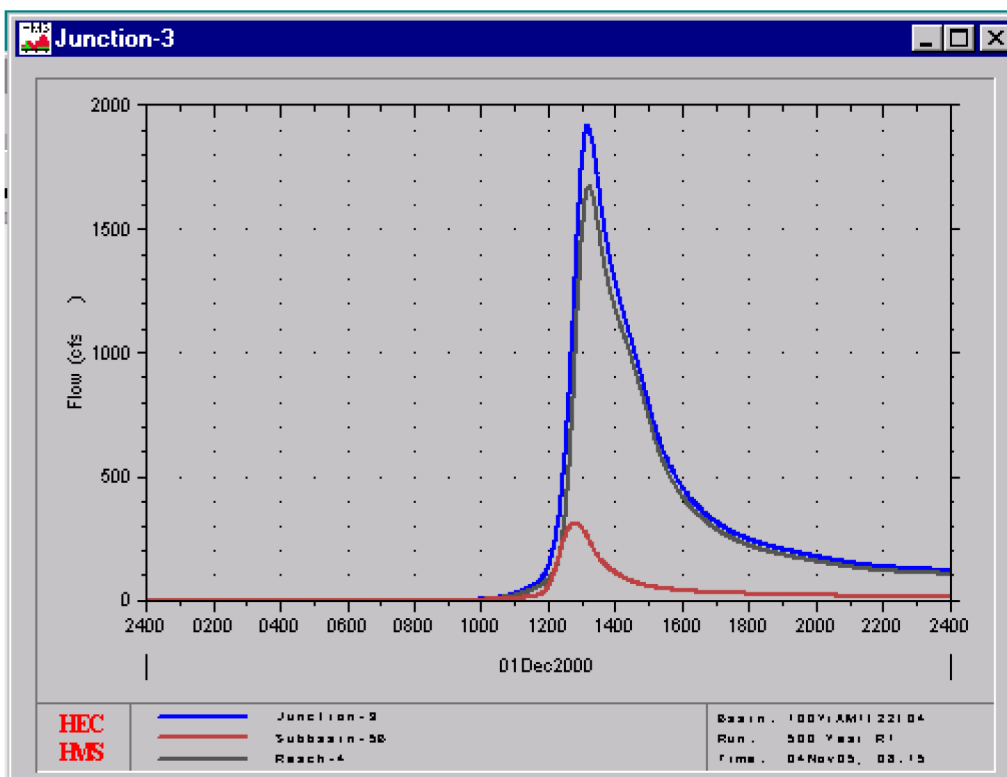
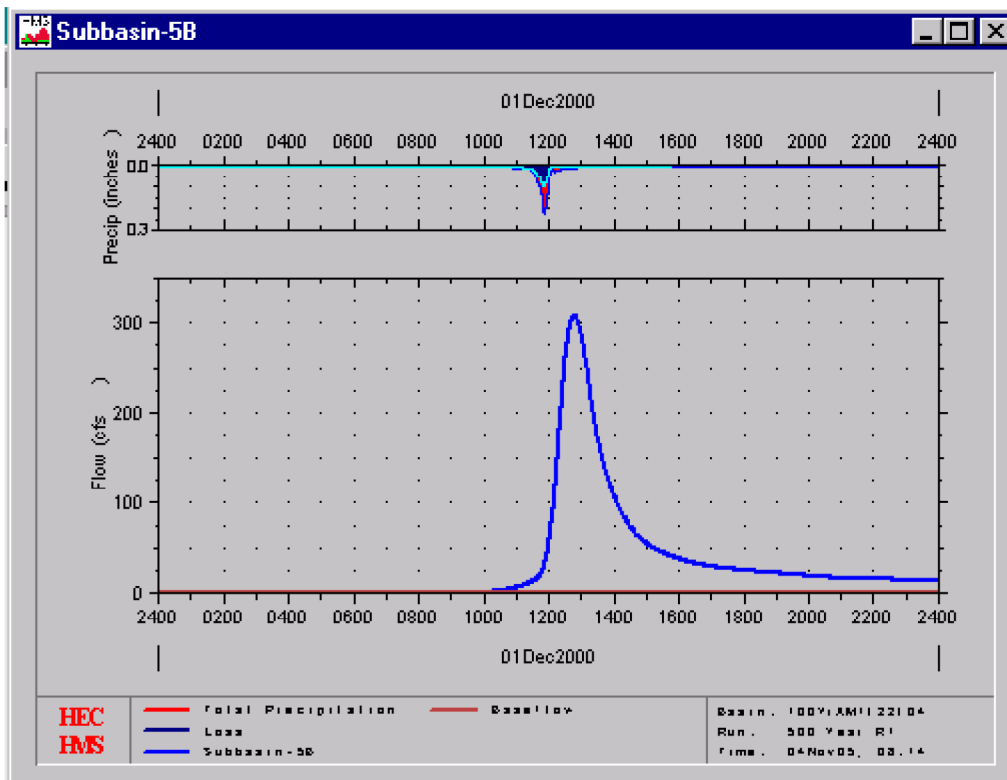
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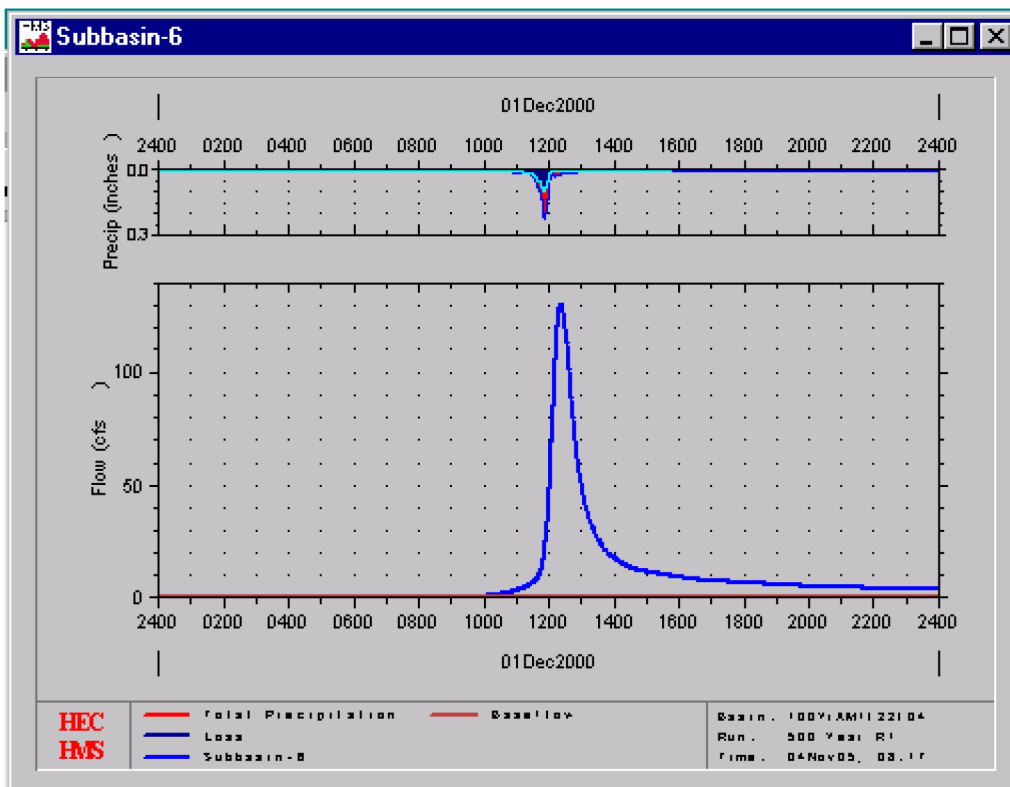
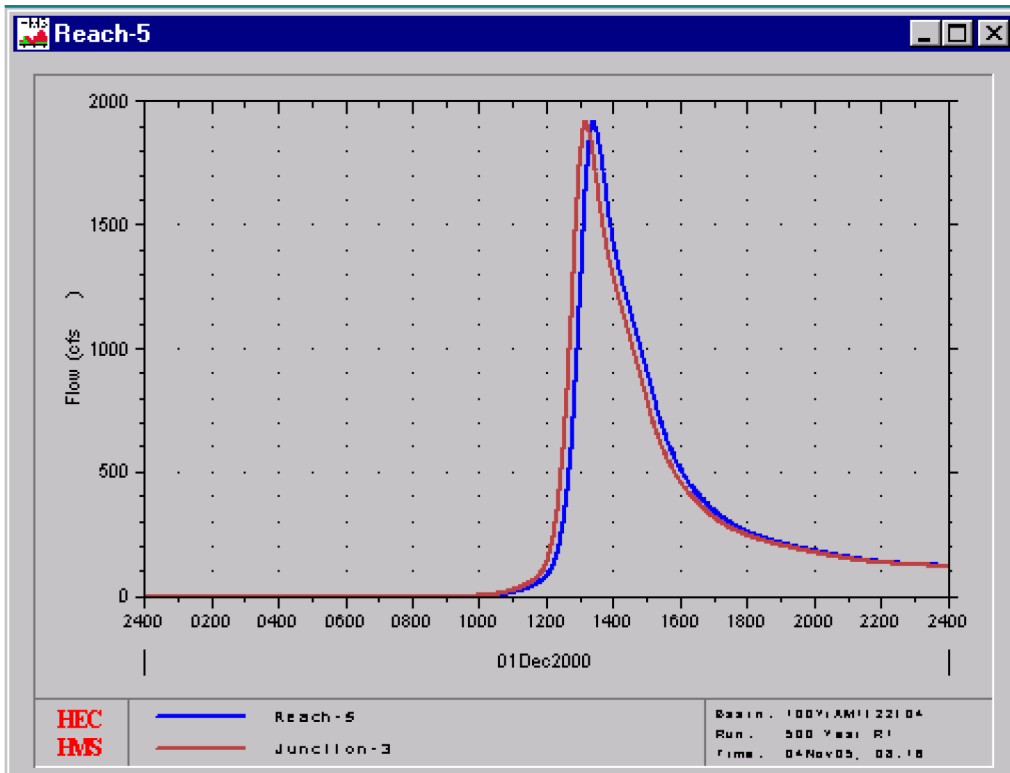
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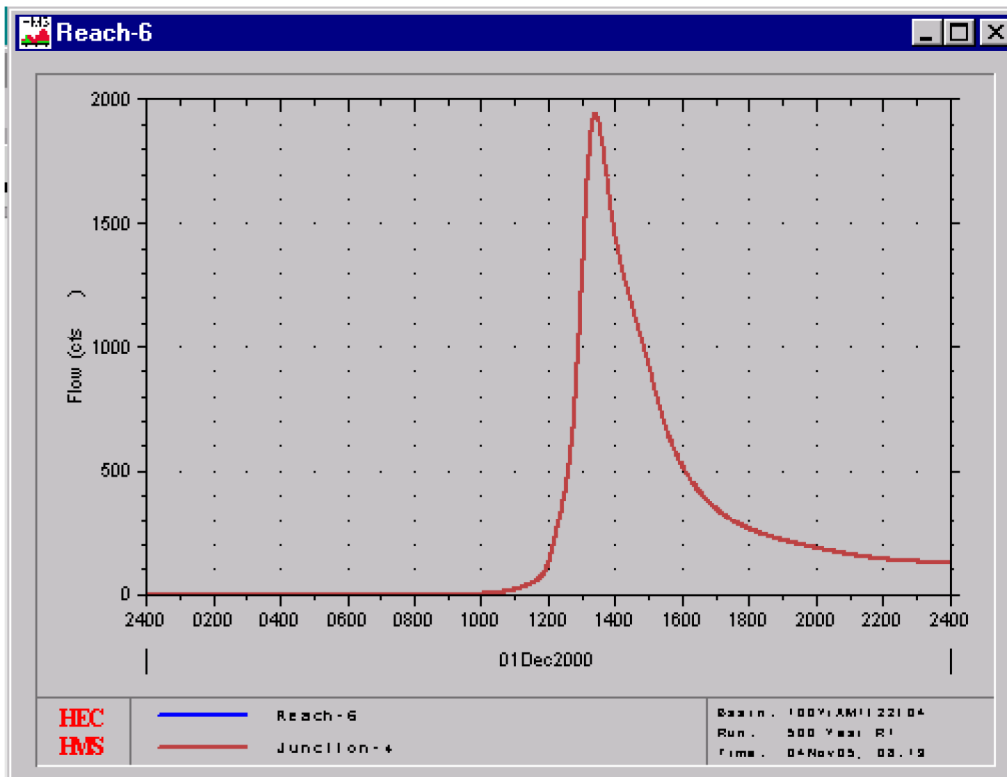
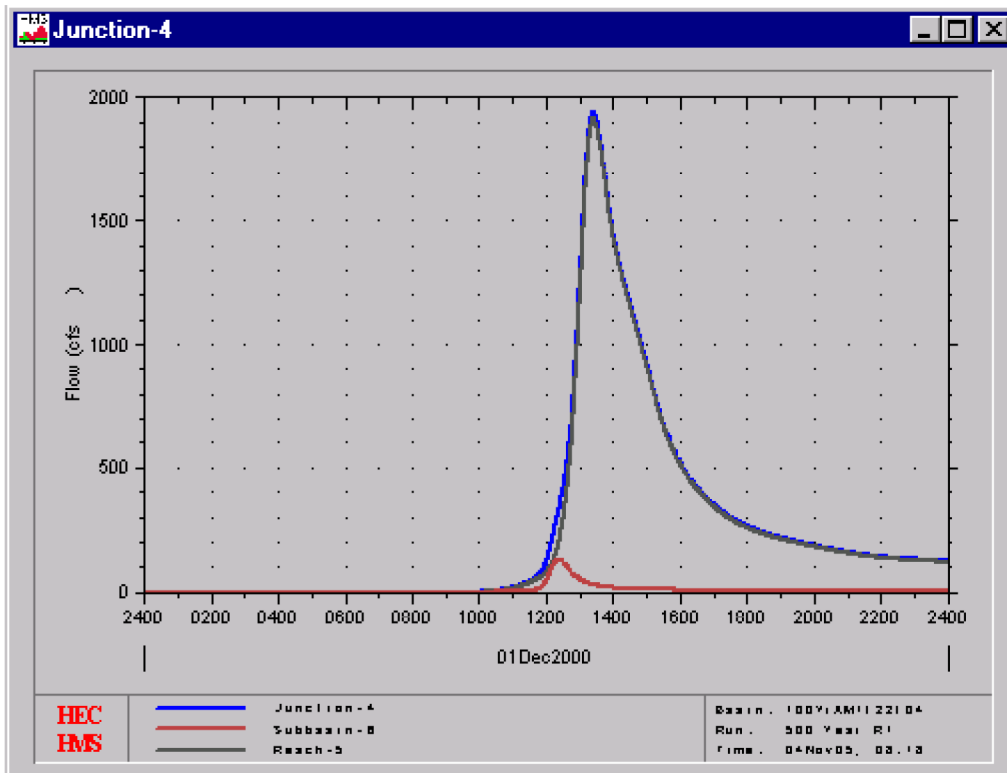
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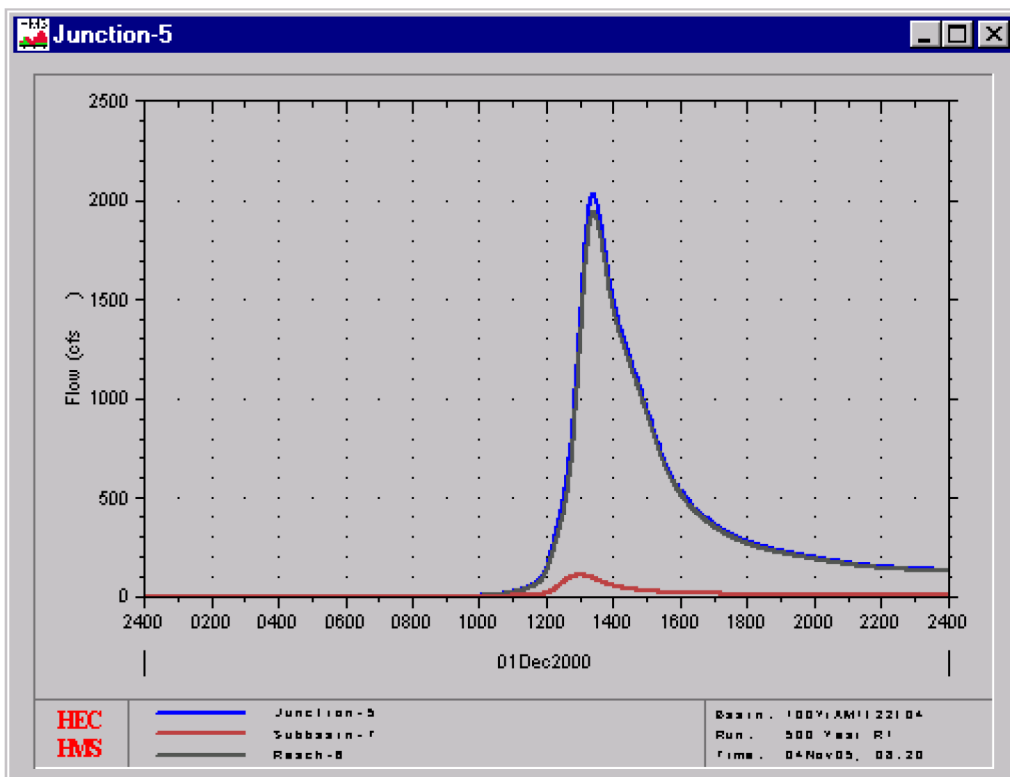
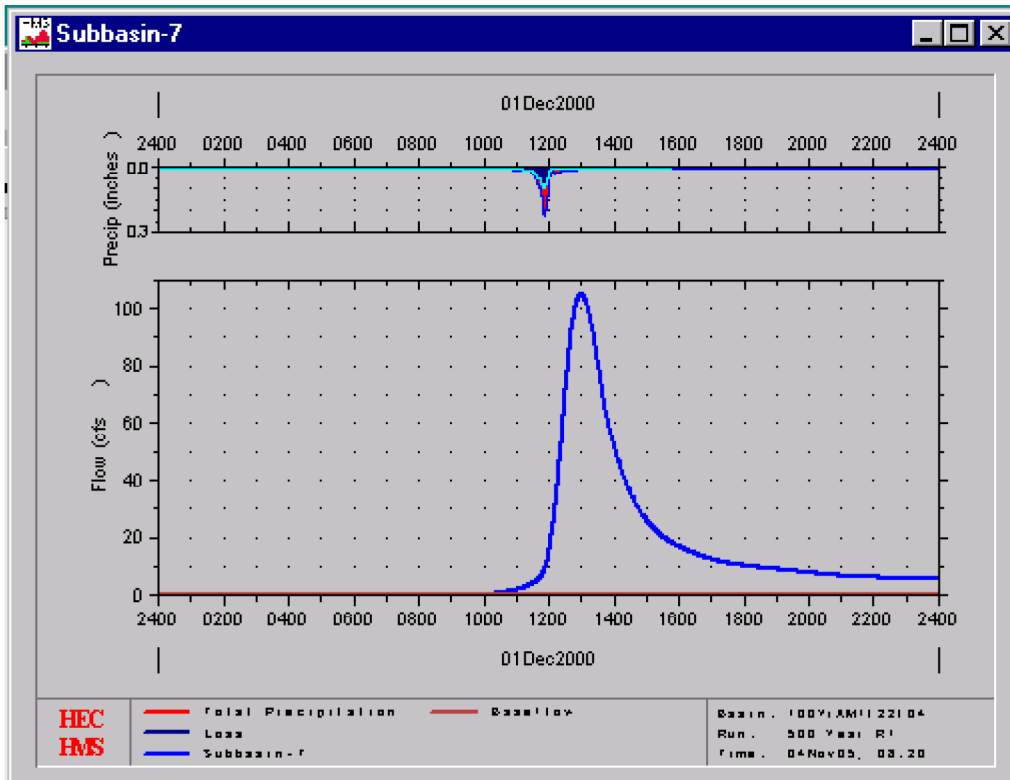
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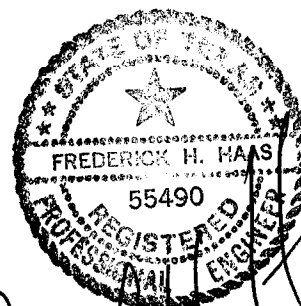
WCS FACILITY FLOOD PLAIN STUDY HYDROGRAPHS





APPENDIX E

HEC-HMS MODEL FOR THE CALCULATION OF THE PMP PEAK DISCHARGES



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12/17/04

HMS * Summary of Results

Project : WCS

Run Name : PMP Dist A

Start of Run : 01Dec00 0000 Basin Model : 100YrAM1/22/04
 End of Run : 05Dec00 0000 Met. Model : PMP Distribution A
 Execution Time : 15Dec04 1355 Control Specs : Control PMP

Hydrologic Element	Discharge Peak (cfs)	Time of Peak	Volume (ac ft)	Drainage Area (sq mi)
Subbasin-4	1265.5	03 Dec 00 0601	874.67	0.490
Reach-2	1265.5	03 Dec 00 0616	874.67	0.490
Subbasin-2	2726.0	03 Dec 00 0605	1897.5	1.063
playa	2194.2	03 Dec 00 0655	1440.5	1.063
Reach-1	2194.2	03 Dec 00 0730	1440.5	1.063
Subbasin-1A	1767.9	03 Dec 00 0610	1252.0	0.691
Reach-1A	1767.9	03 Dec 00 0627	1252.0	0.691
Subbasin-1B	809.97	03 Dec 00 0601	560.51	0.314
Junction-1A	2567.7	03 Dec 00 0606	1812.5	1.005
Reach-1B	2567.7	03 Dec 00 0609	1812.5	1.005
Subbasin-3	402.41	03 Dec 00 0601	278.47	0.156
Junction-1	4793.3	03 Dec 00 0625	3531.4	2.224
Reach-3	4793.3	03 Dec 00 0642	3531.4	2.224
Subbasin-5A	495.98	03 Dec 00 0601	342.73	0.192
Junction-2	6408.8	03 Dec 00 0625	4748.8	2.906
Reach-4	6408.8	03 Dec 00 0646	4748.8	2.906
Subbasin-5B	681.99	03 Dec 00 0603	473.04	0.265
Junction-3	6969.3	03 Dec 00 0639	5221.9	3.171
Reach-5	6969.3	03 Dec 00 0653	5221.9	3.171
Subbasin-6	191.50	03 Dec 00 0600	132.09	0.074
Junction-4	7042.0	03 Dec 00 0651	5354.0	3.245
Reach-6	7042.0	03 Dec 00 0651	5354.0	3.245
Subbasin-7	266.78	03 Dec 00 0604	185.65	0.104
Junction-5	7267.5	03 Dec 00 0647	5539.6	3.349

Meteorologic Model Input

