

APPENDIX O

HEC-HMS MODEL FOR THE CALCULATION OF THE PMP PEAK DISCHARGE, ANTECEDENT MOISTURE CONDITION II

HMS * Summary of Results

Project : WCS

Run Name : PMP Dist A AMII

Start of Run : 01Dec00 0000 Basin Model : 100YrAMII3/24/06NOD
 End of Run : 05Dec00 0000 Met. Model : PMP Dist. A NOD
 Execution Time : 29Mar06 1606 Control Specs : Control PMP

Hydrologic Element	Discharge Peak (cfs)	Time of Peak	Volume (ac ft)	Drainage Area (sq mi)
Subbasin-4	1303.2	03 Dec 00 0600	965.43	0.490
Reach-2	1303.2	03 Dec 00 0615	965.43	0.490
Subbasin-2	2804.8	03 Dec 00 0602	2051.2	1.063
playa	2380.3	03 Dec 00 0649	1594.1	1.063
Reach-1	2380.3	03 Dec 00 0724	1594.1	1.063
Subbasin-1A	1832.7	03 Dec 00 0605	1381.1	0.691
Reach-1A	1832.7	03 Dec 00 0622	1381.1	0.691
Subbasin-1B	833.89	03 Dec 00 0600	615.56	0.314
Junction-1A	2662.1	03 Dec 00 0604	1996.7	1.005
Reach-1B	2662.1	03 Dec 00 0607	1996.7	1.005
Subbasin-3	414.76	03 Dec 00 0600	307.36	0.156
Junction-1	5169.8	03 Dec 00 0621	3898.2	2.224
Reach-3	5169.8	03 Dec 00 0638	3898.1	2.224
Subbasin-5A	508.22	03 Dec 00 0600	370.48	0.192
Junction-2	6871.1	03 Dec 00 0622	5234.1	2.906
Reach-4	6871.1	03 Dec 00 0643	5234.1	2.906
Subbasin-5B	700.32	03 Dec 00 0601	511.35	0.265
Junction-3	7467.3	03 Dec 00 0635	5745.4	3.171
Reach-5	7467.3	03 Dec 00 0649	5745.4	3.171
Subbasin-6	196.02	03 Dec 00 0600	142.79	0.074
Junction-4	7552.2	03 Dec 00 0644	5888.2	3.245
Reach-6	7552.2	03 Dec 00 0644	5888.2	3.245
Subbasin-7	274.88	03 Dec 00 0601	201.77	0.104
Junction-5	7798.5	03 Dec 00 0640	6090.0	3.349

Meteorologic Model Input

Meteorologic Model: PMP Distribution A

Description: PMP with Distribution per figure in HMR 51

Precipitation | Evapotranspiration

Method: User Hyetograph

Subbasin	"Gage" ID
Subbasin-1A	PMP Distribution A
Subbasin-2	PMP Distribution A
Subbasin-3	PMP Distribution A
Subbasin-4	PMP Distribution A
Subbasin-6	PMP Distribution A
Subbasin-1B	PMP Distribution A
Subbasin-7	PMP Distribution A
Subbasin-5B	PMP Distribution A
Subbasin-5A	PMP Distribution A

OK Apply Cancel

HMS * Basin Model * SCS Curve Number

Sort Help

Basin Model ID: 100YrAMII3/24/06NOD

Subbasin Name	SCS Curve Number	Initial Abstraction (in)	Imperviousness (%)
Subbasin-1A	79		0.0
Subbasin-2	72		0.0
Subbasin-3	76		0.0
Subbasin-4	76		0.0
Subbasin-5B	72		0.0
Subbasin-6	72		0.0
Subbasin-1B	75		0.0
Subbasin-5A	72		0.0
Subbasin-7	73		0.0

OK Apply Cancel

HMS * Basin Model * SCS UH

Sort Help

Basin Model ID: 100YrAMII3/24/06NOD

Time Units: Minutes

Subbasin Name	SCS Lag (min)
Subbasin-1A	86
Subbasin-2	65
Subbasin-3	44
Subbasin-4	39
Subbasin-5B	53
Subbasin-6	30
Subbasin-1B	44
Subbasin-5A	38
Subbasin-7	64

OK Apply Cancel

HMS * Basin Model * Lag Routing

Help

Basin Model ID : 100YrAMII3/24/06NOD

Interval : Minutes

Reach Name	Lag (min)
Reach-1	35
Reach-2	15
Reach-3	17
Reach-4	21
Reach-5	14
Reach-1A	17
Reach-1B	3
Reach-6	0

OK Apply Cancel

HMS * Basin Model * Reservoir Editor

Edit File Help

Reservoir Name:

Description:

Storage | Outlet | Spillway | Overflow | Dam Break

Method:

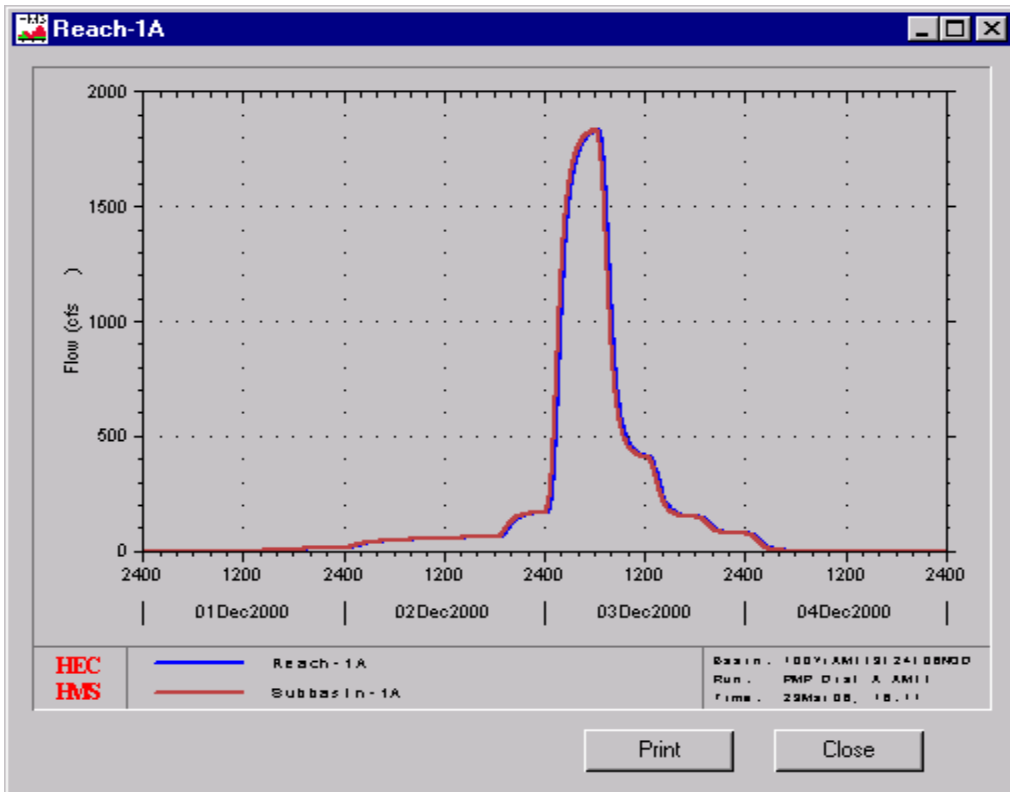
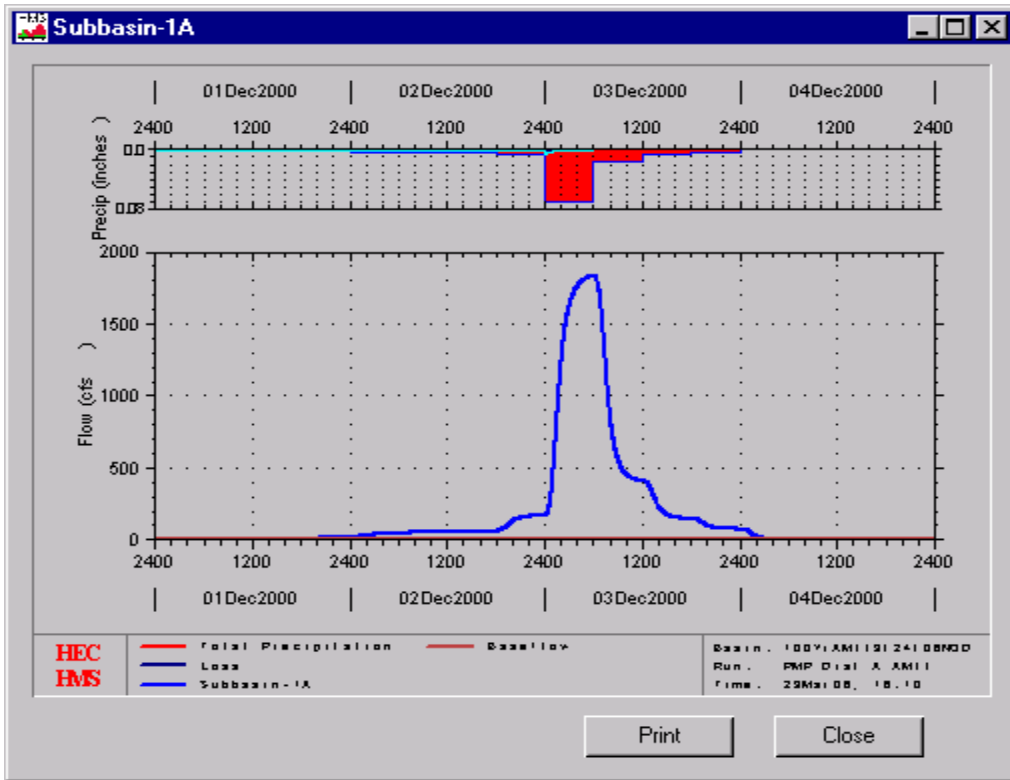
Initial:

Elevation (ft)	Storage (acre-feet)	Outflow (cfs)
3478.0	0.0	0.0
3480.0	24.0	0.0
3482.0	61.0	0.0
3484.0	170.0	0.0
3486.0	457.0	0.0
3487.0	693.0	863.0
3488.0	928.0	2427.0

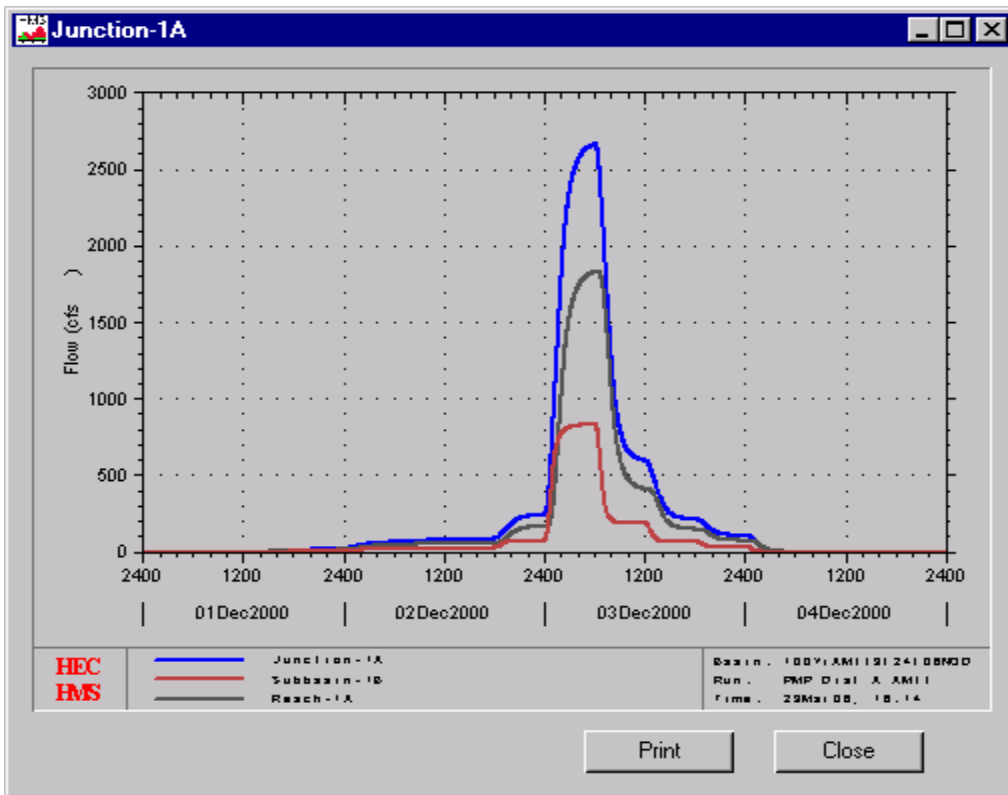
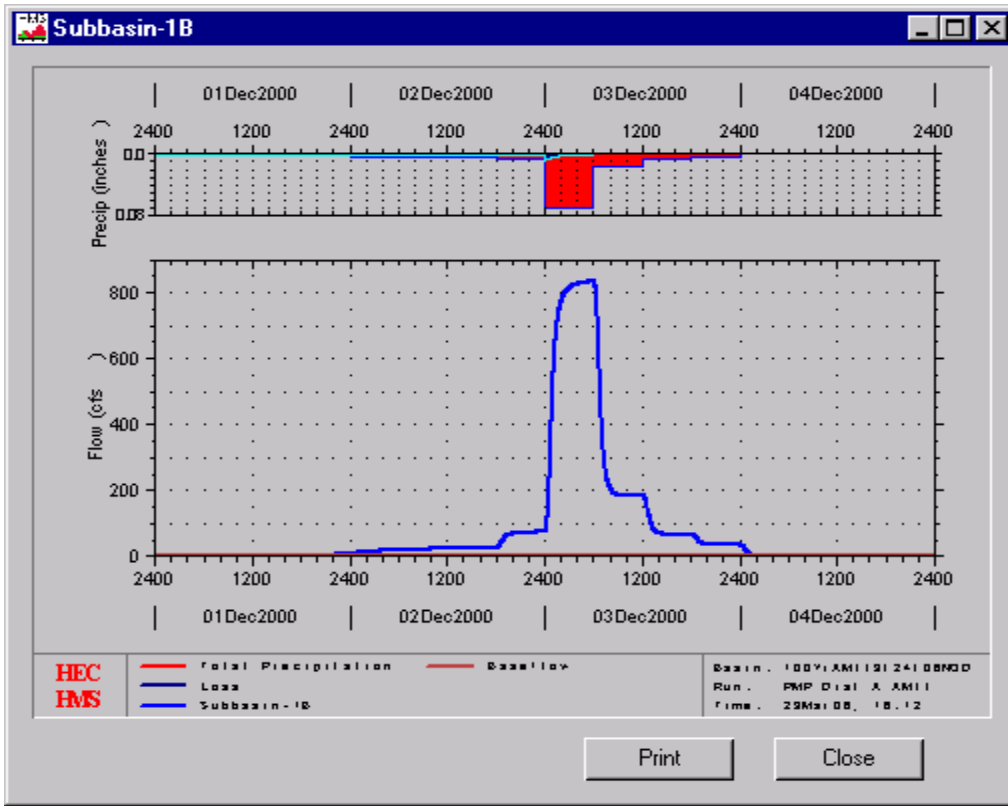
Graph

OK Apply Cancel

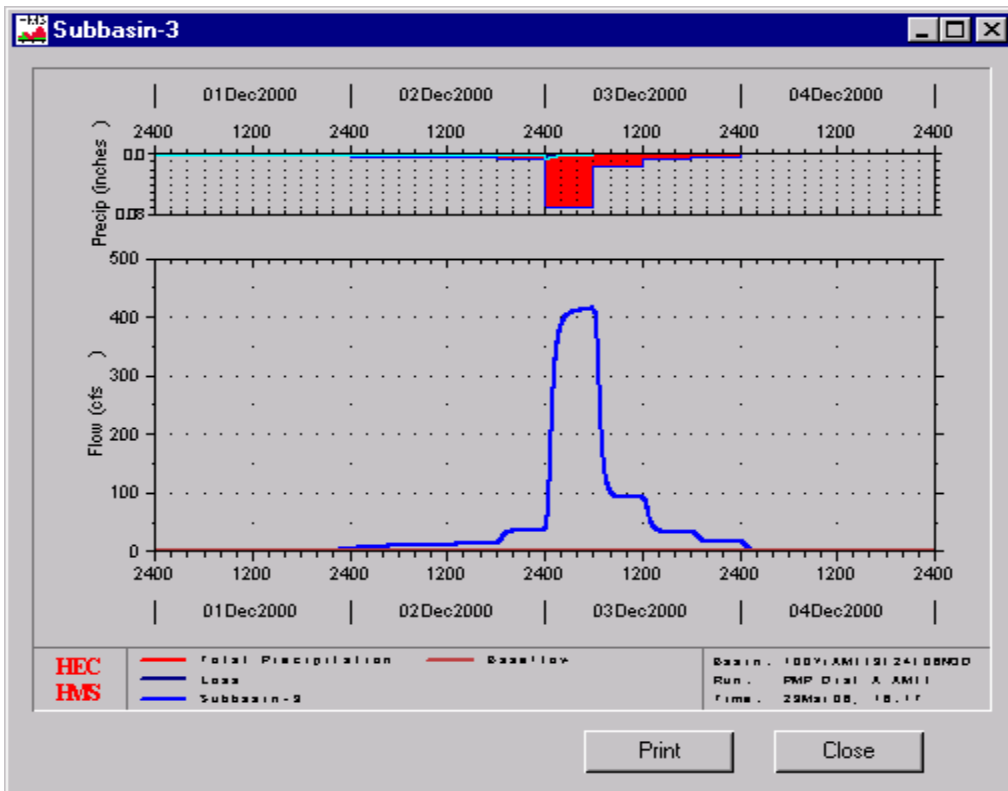
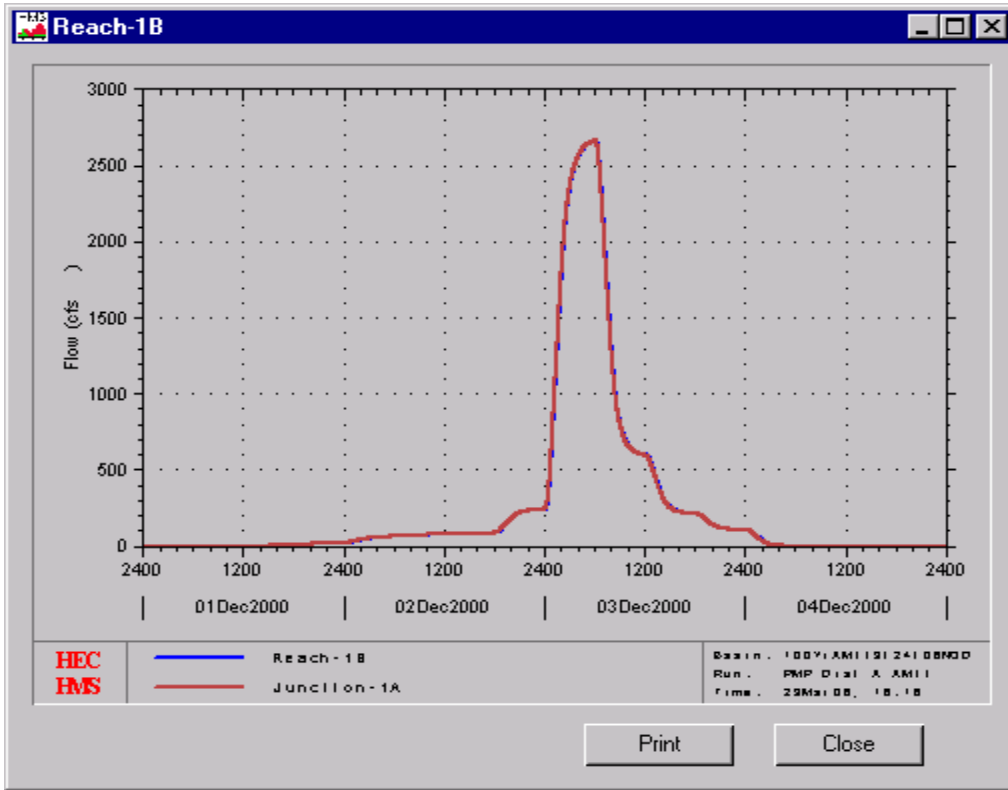
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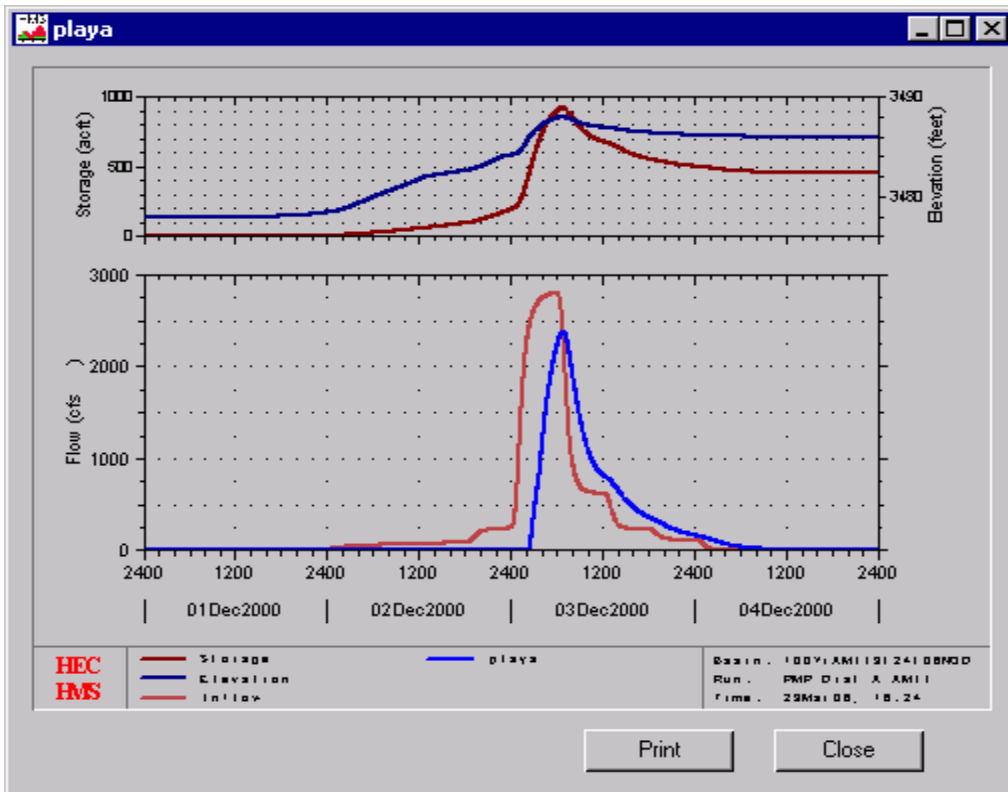
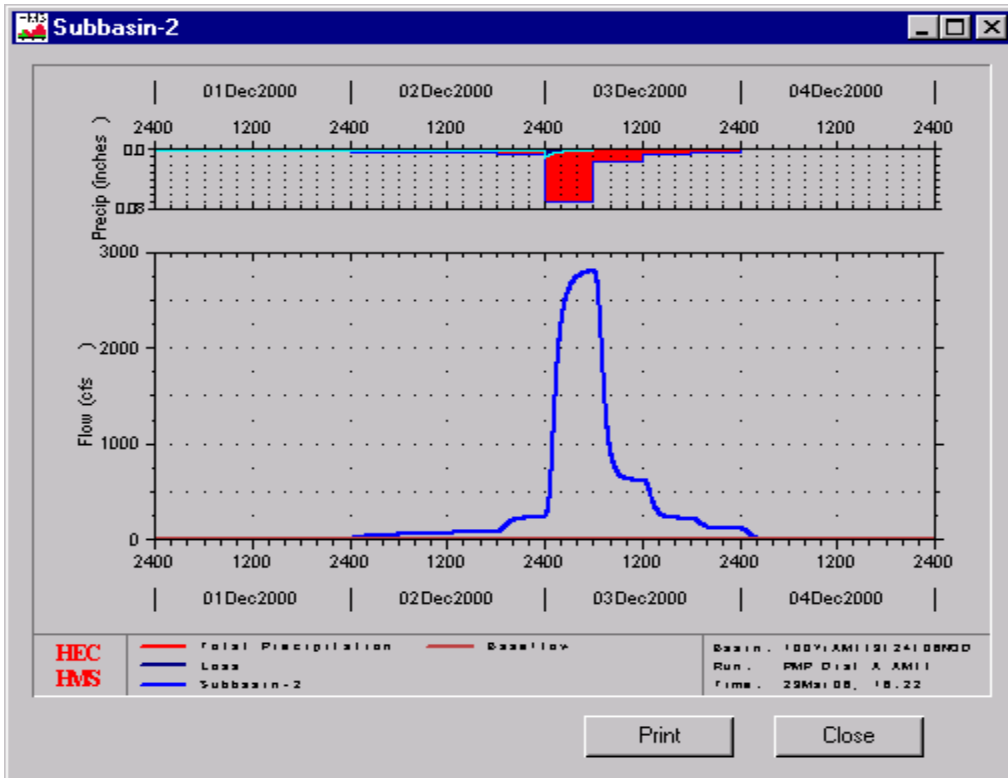
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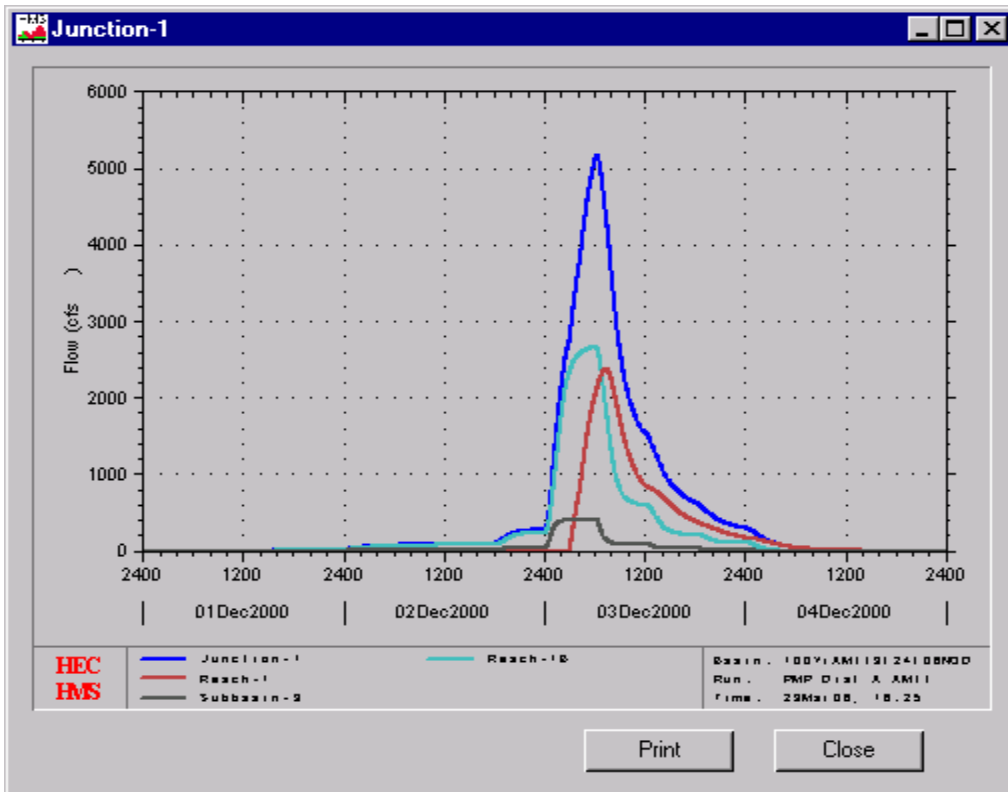
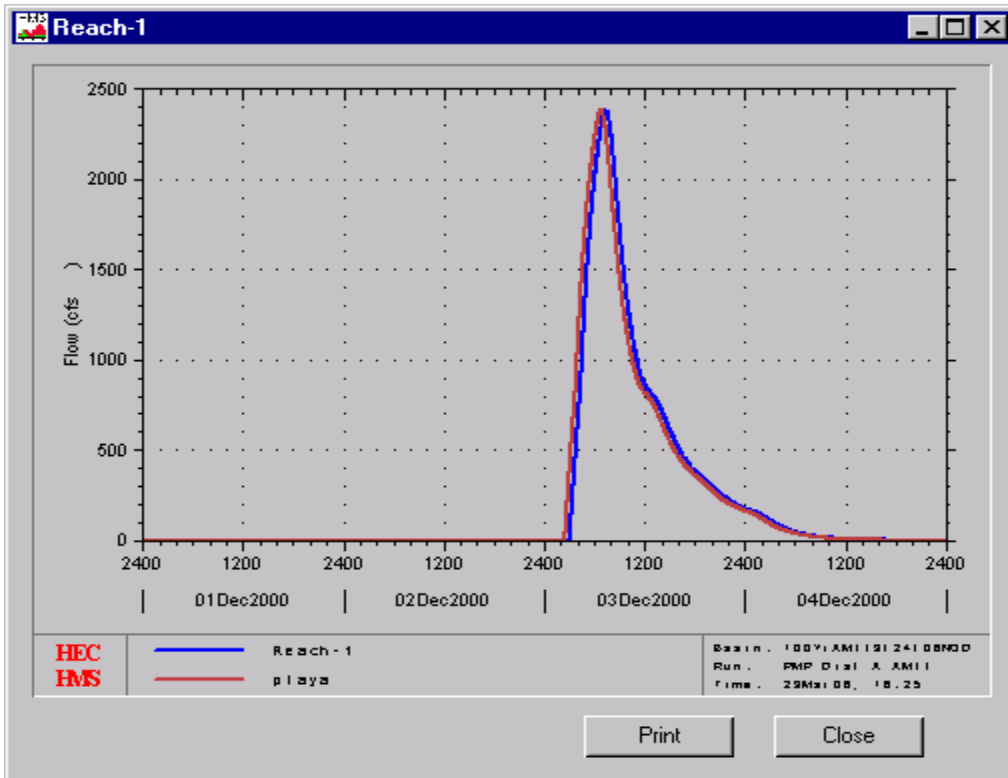
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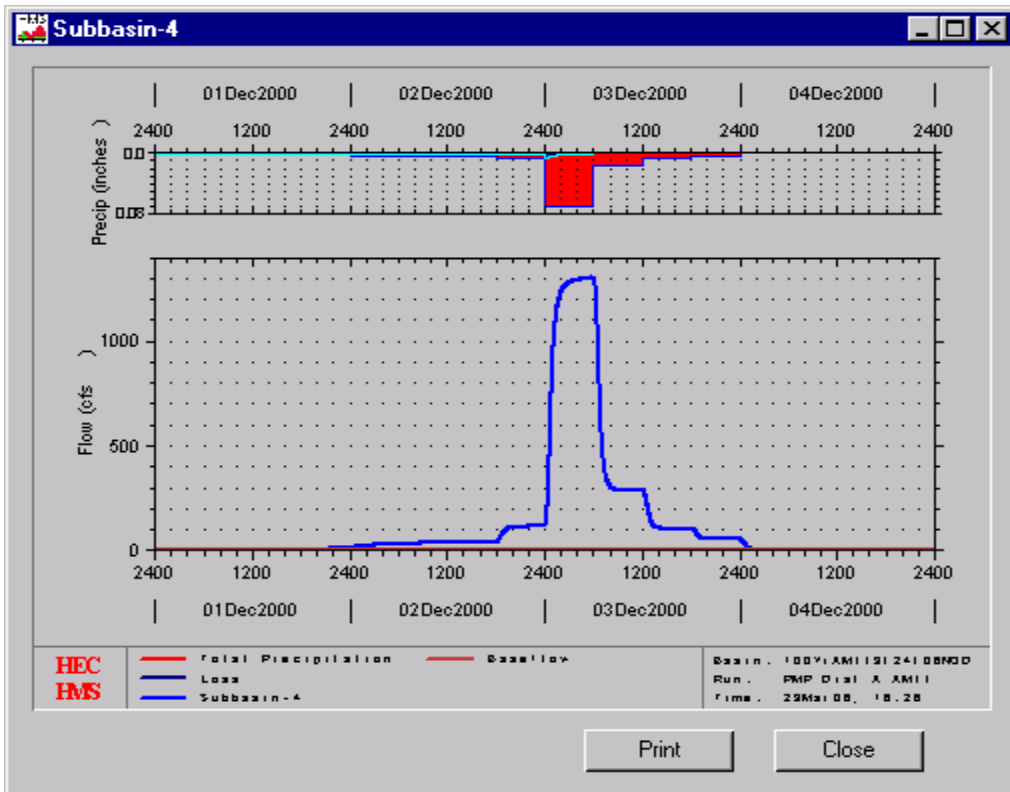
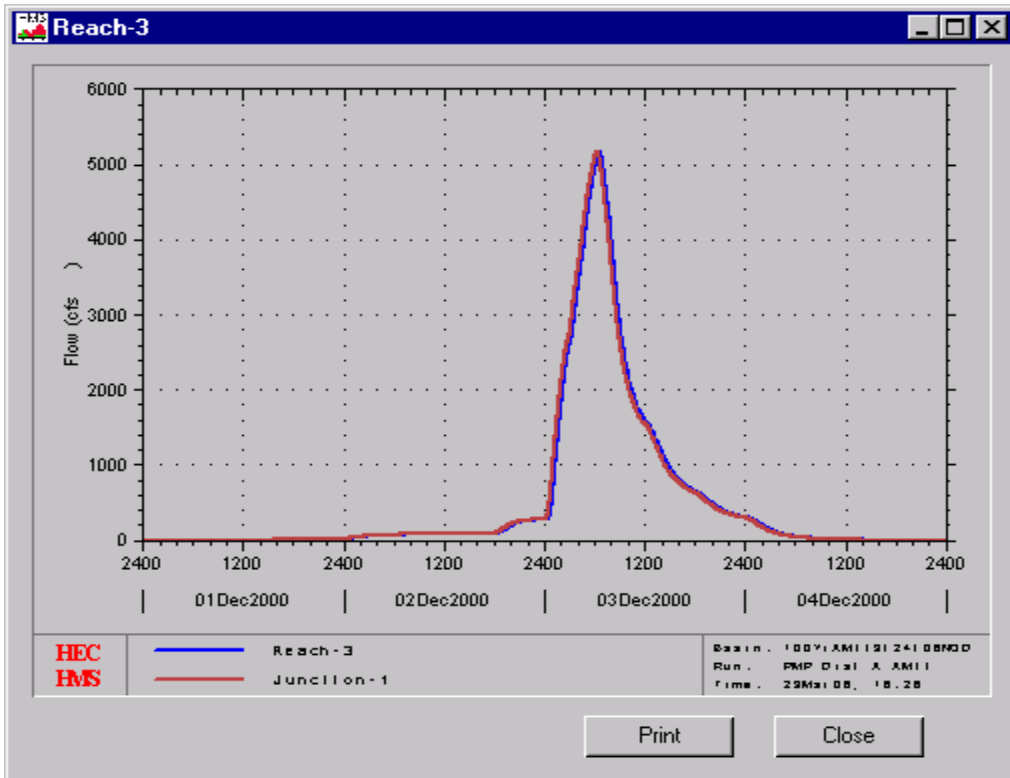
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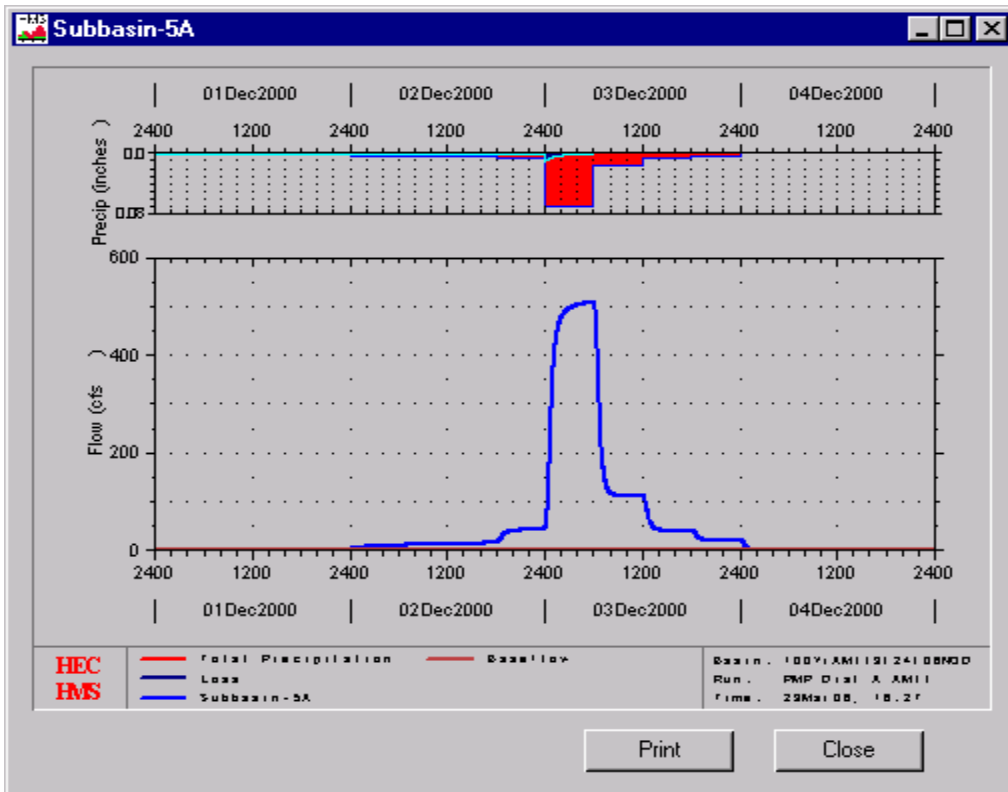
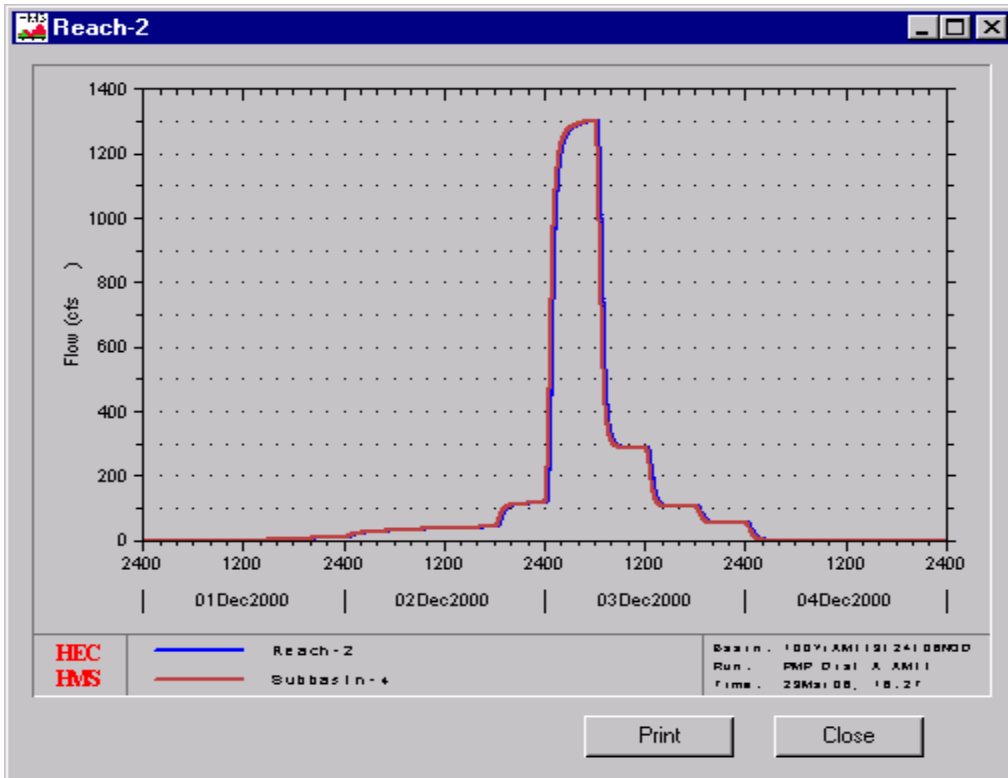
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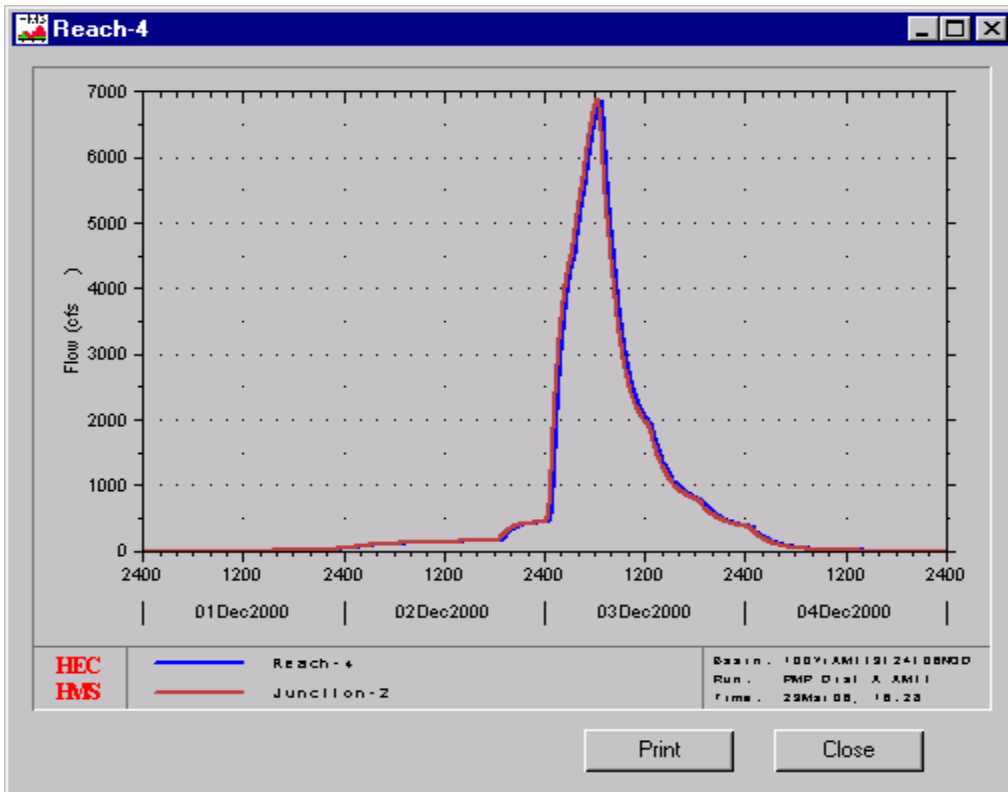
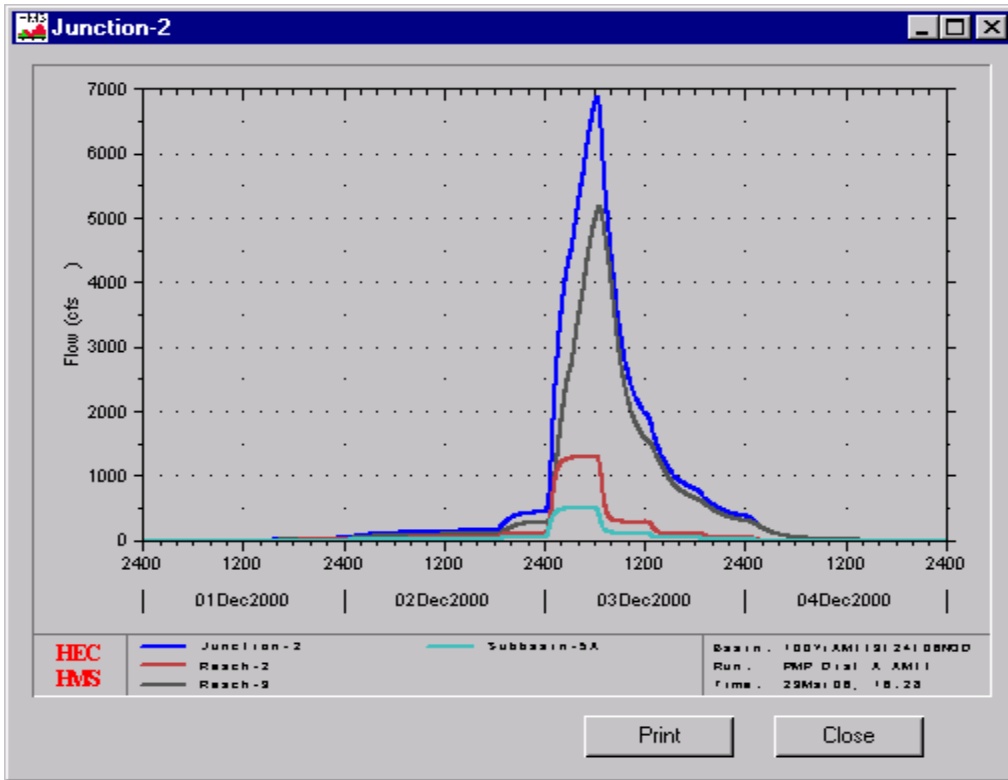
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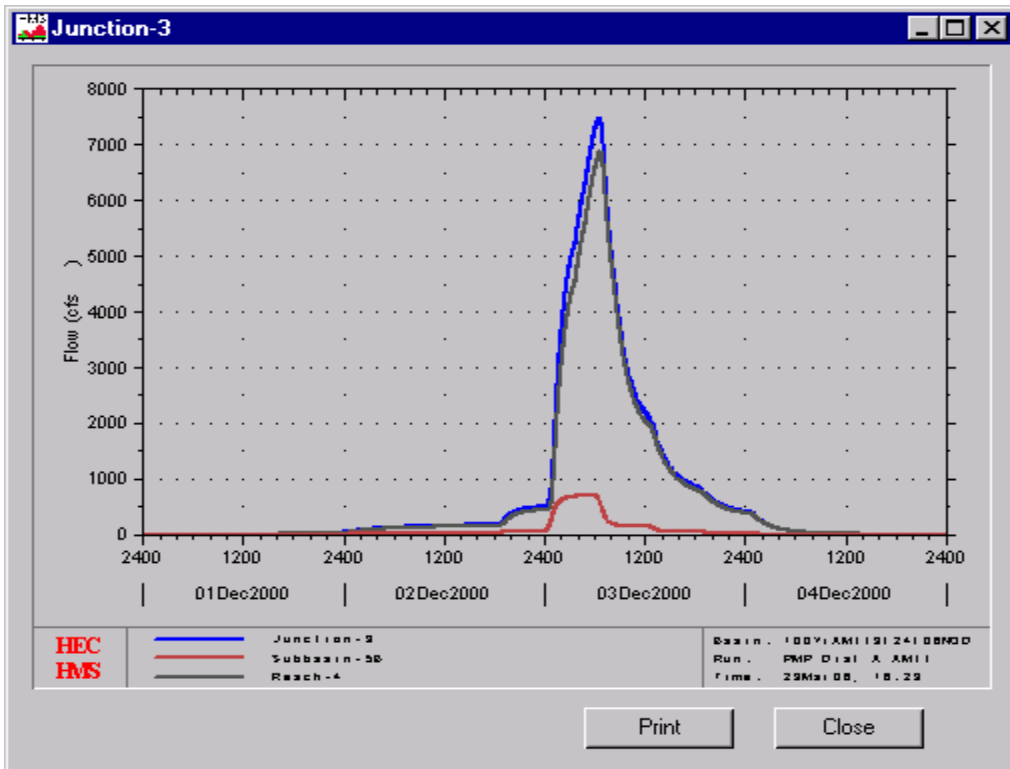
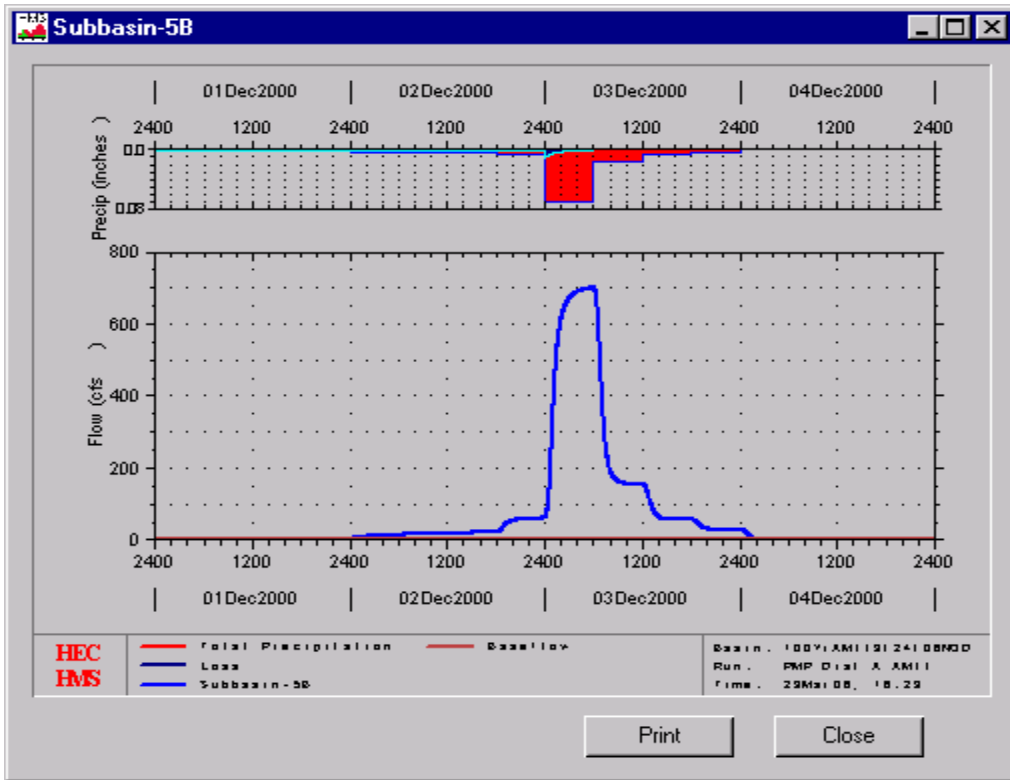
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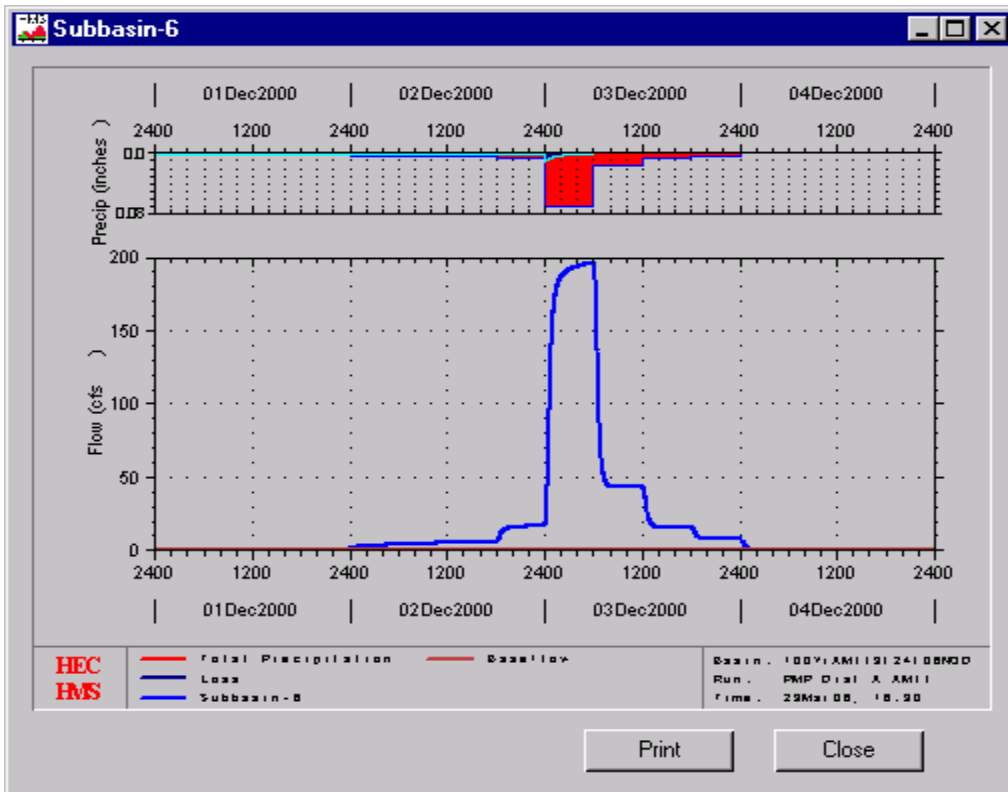
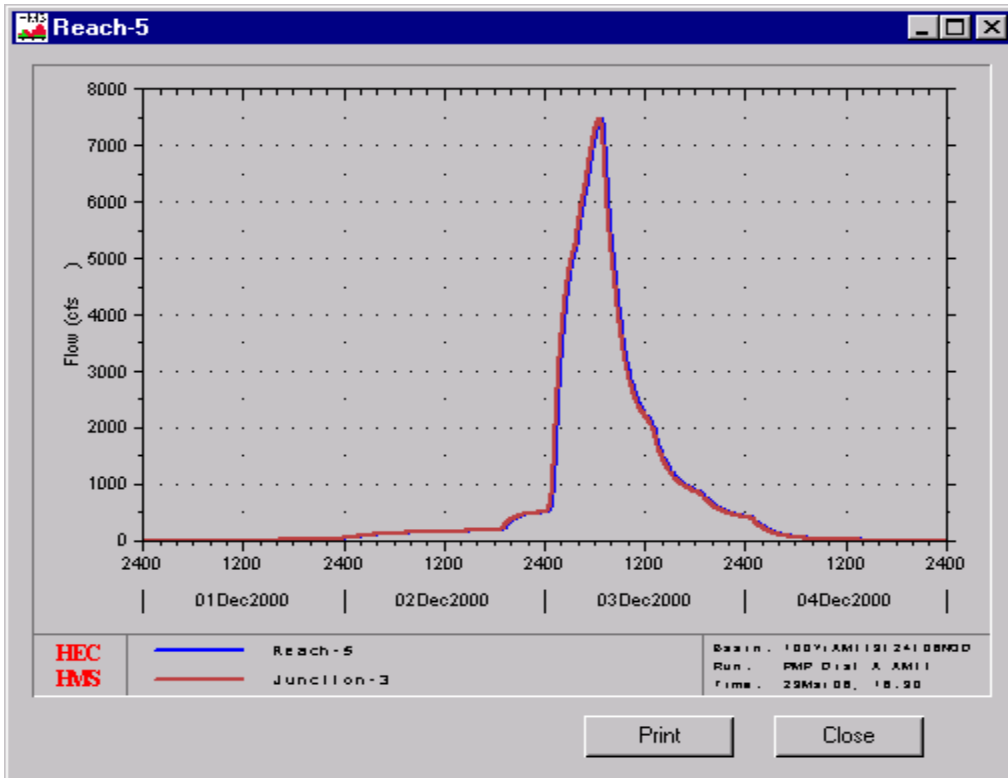
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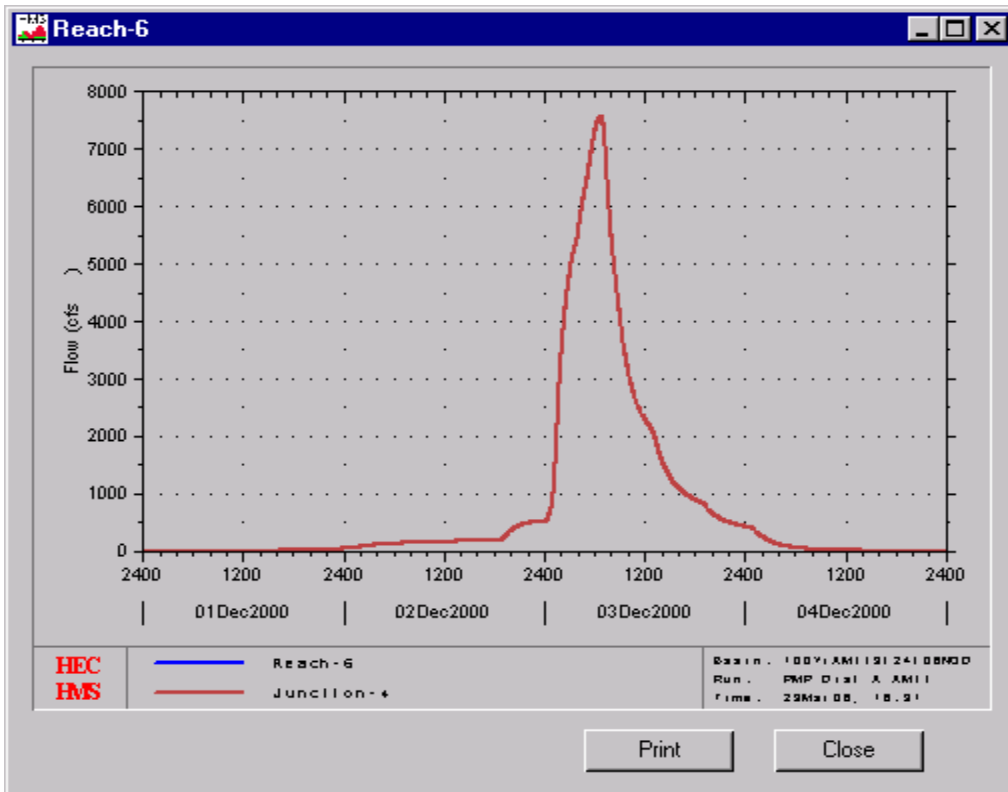
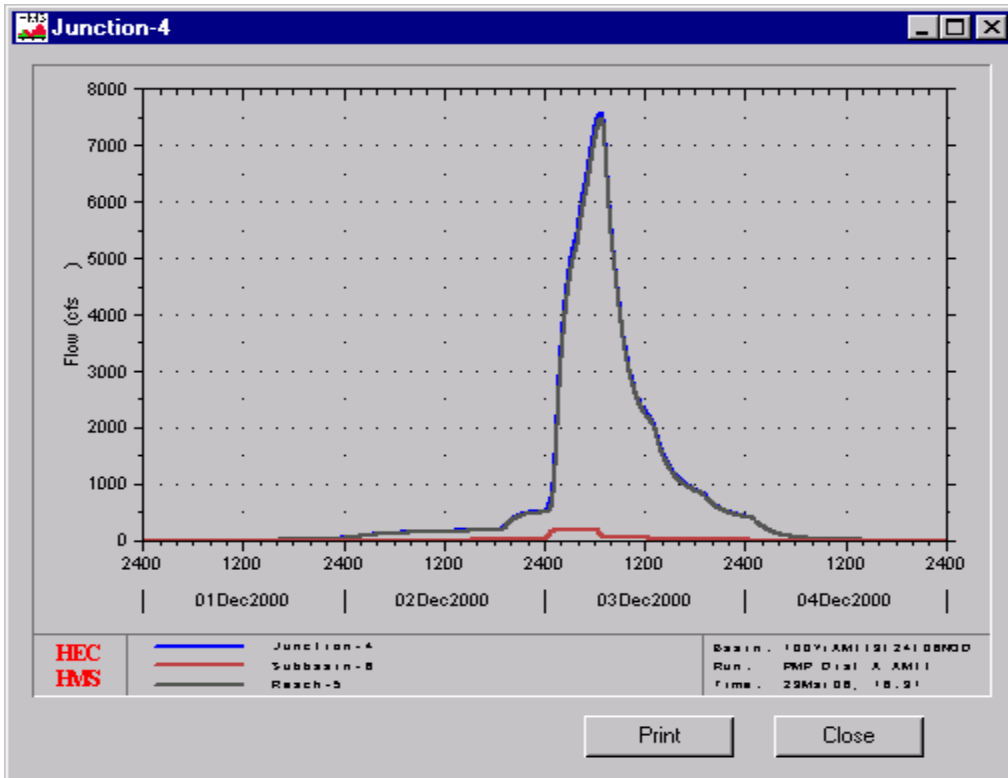
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