

WCS Plan: 2-04-04MANY

Sta. 8130

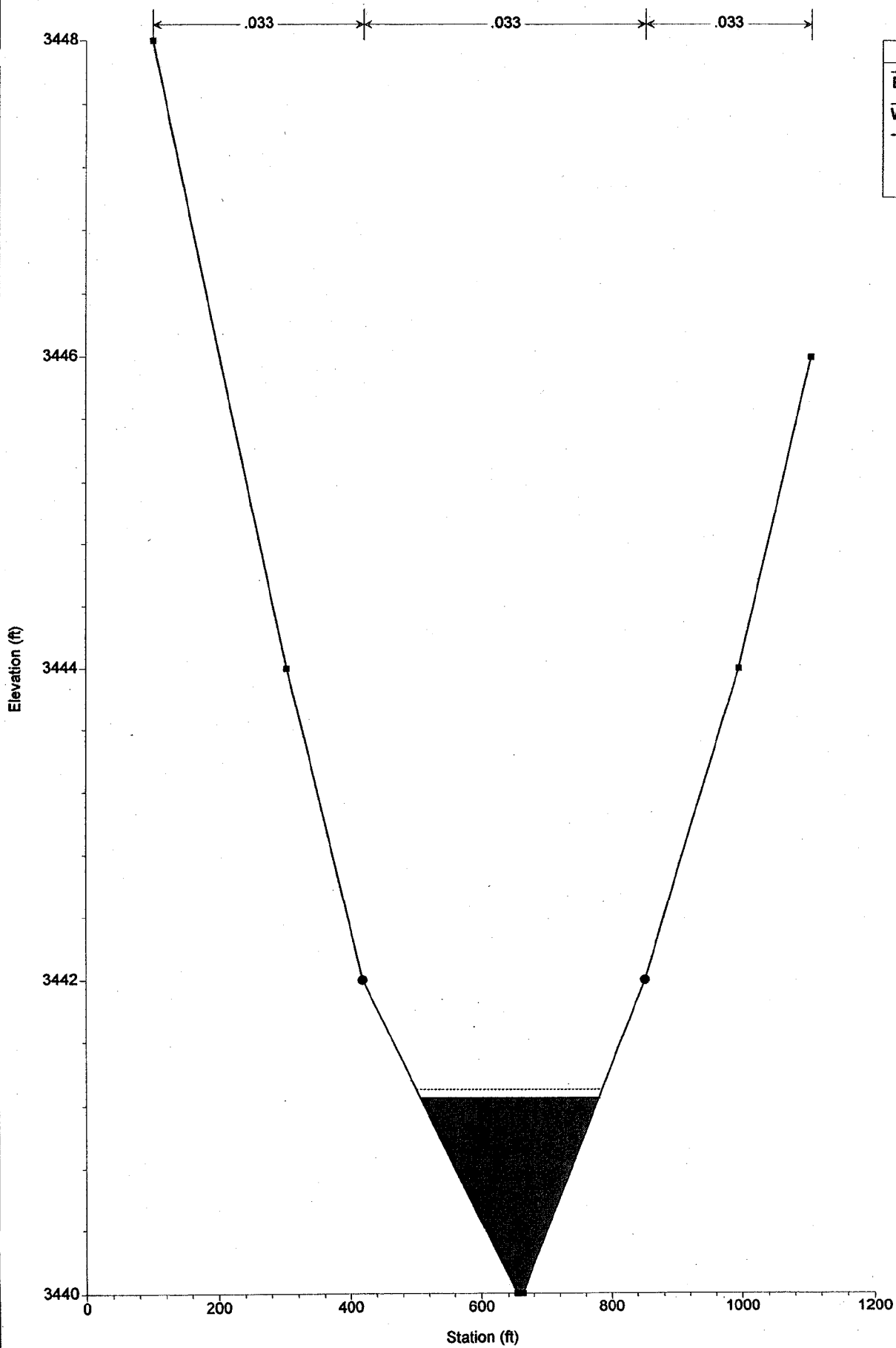
Legend

EG 100 Yr.-WS3405

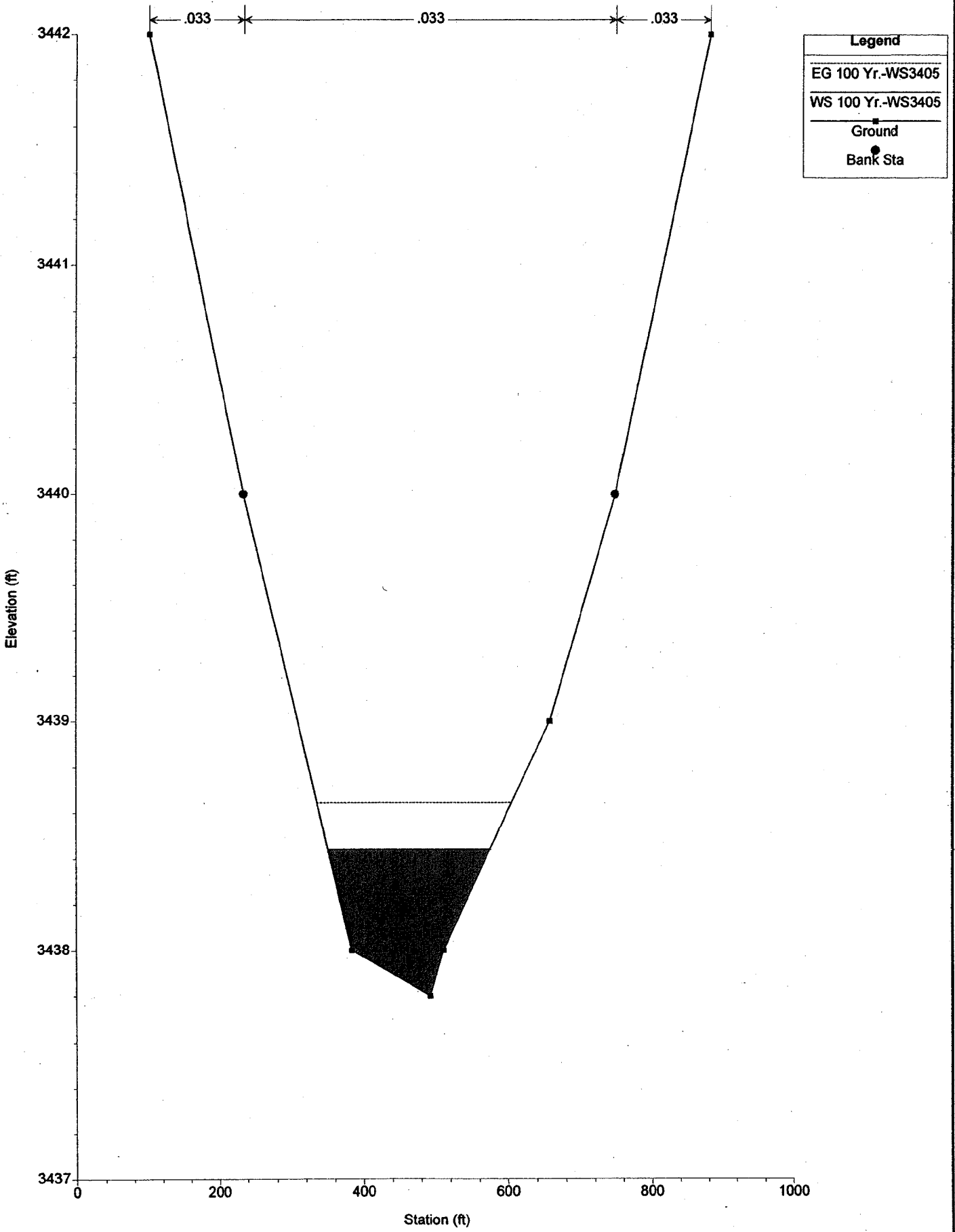
WS 100 Yr.-WS3405

Ground

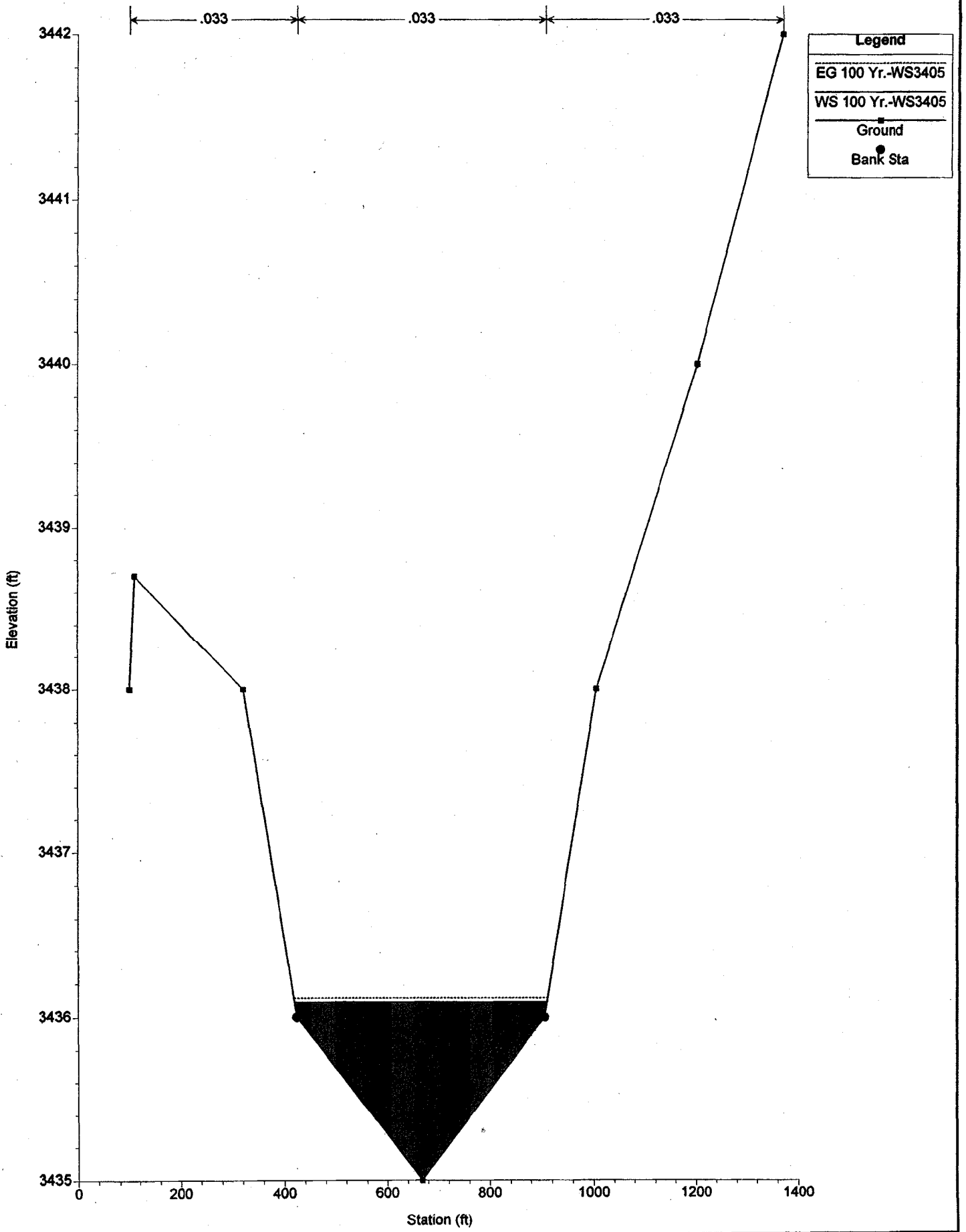
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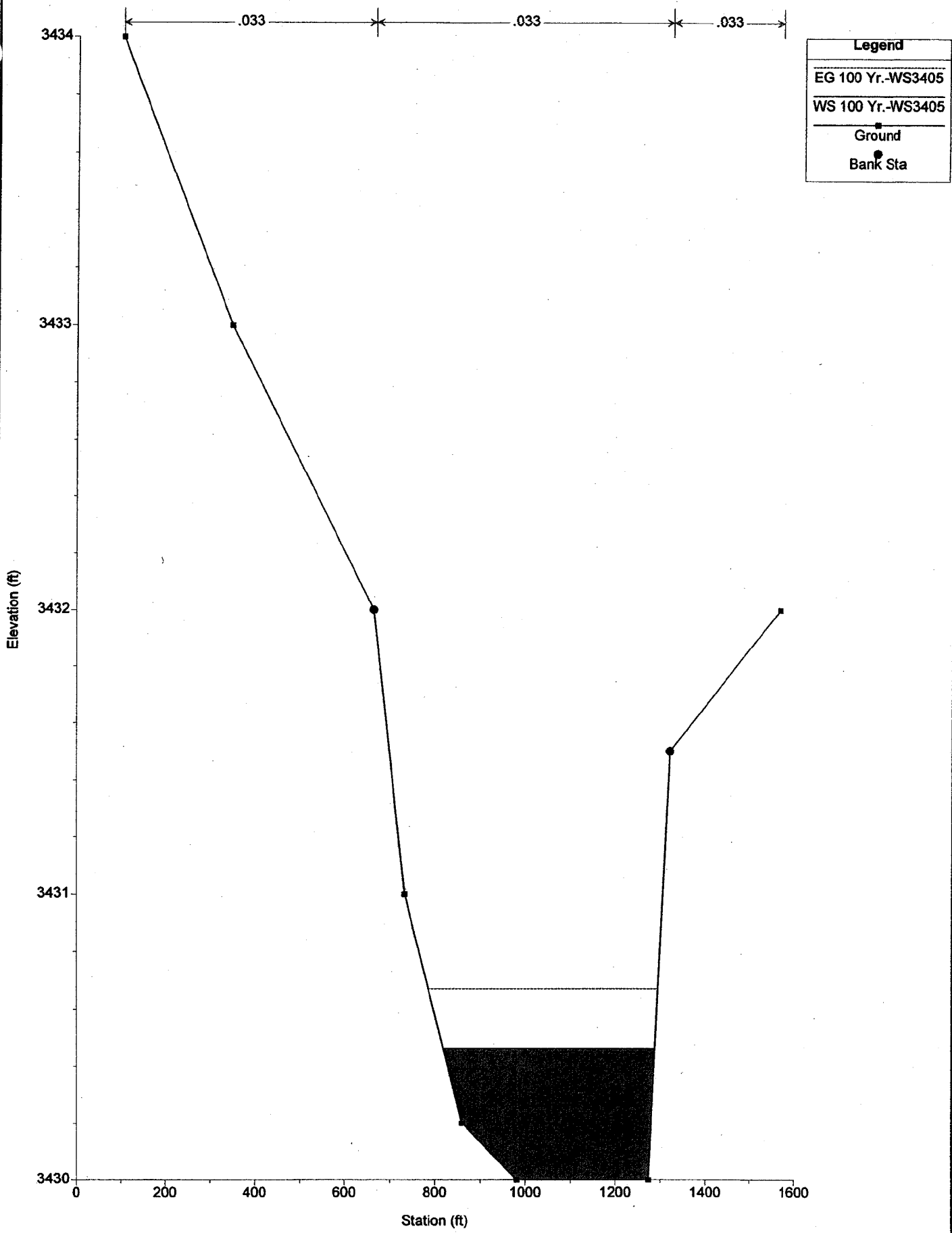
WCS Plan: 2-04-04MANY
Sta 7717



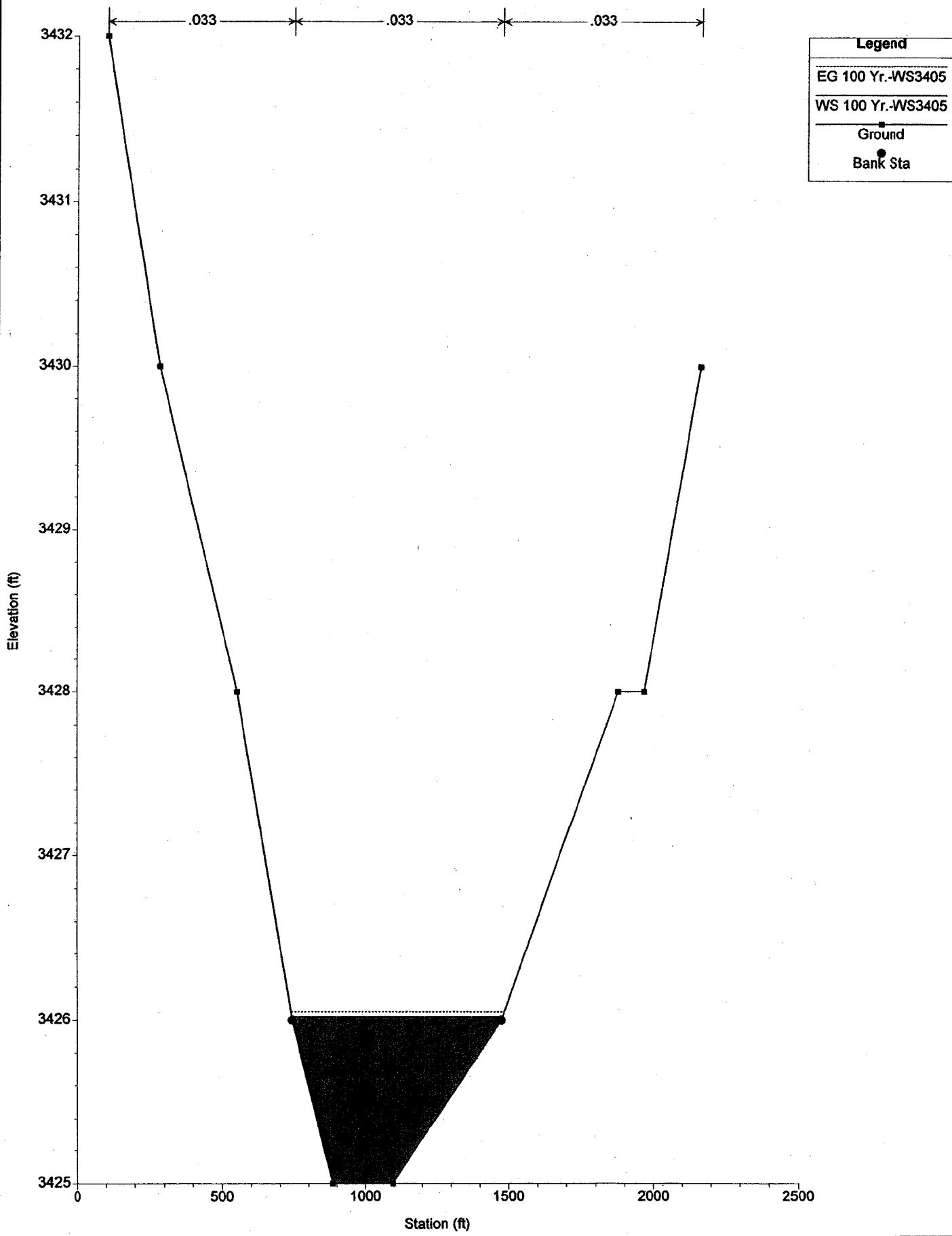
WCS Plan: 2-04-04MANY
Sta. 7253



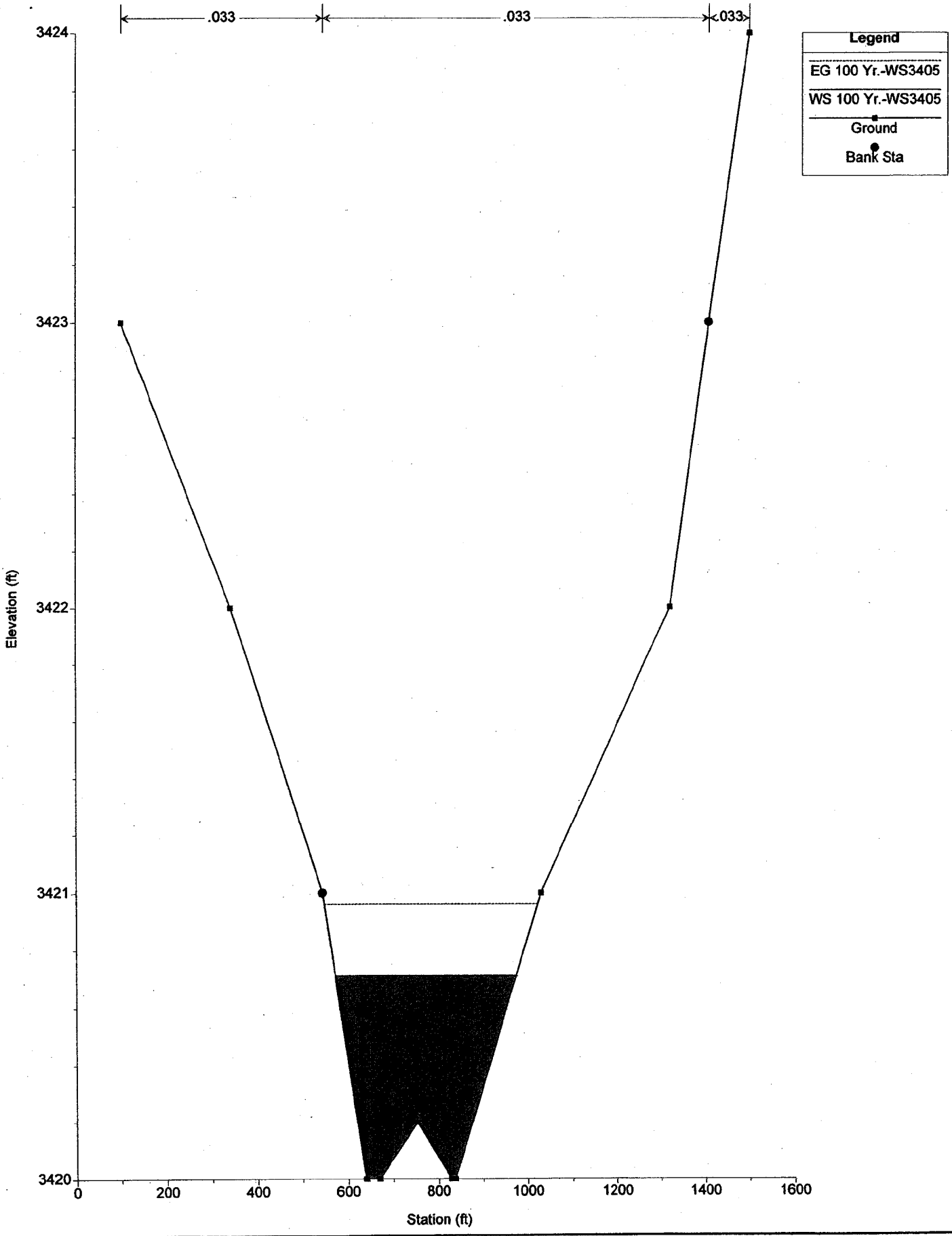
WCS Plan: 2-04-04MANY
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WCS Plan: 2-04-04MANY
Sta. 5363

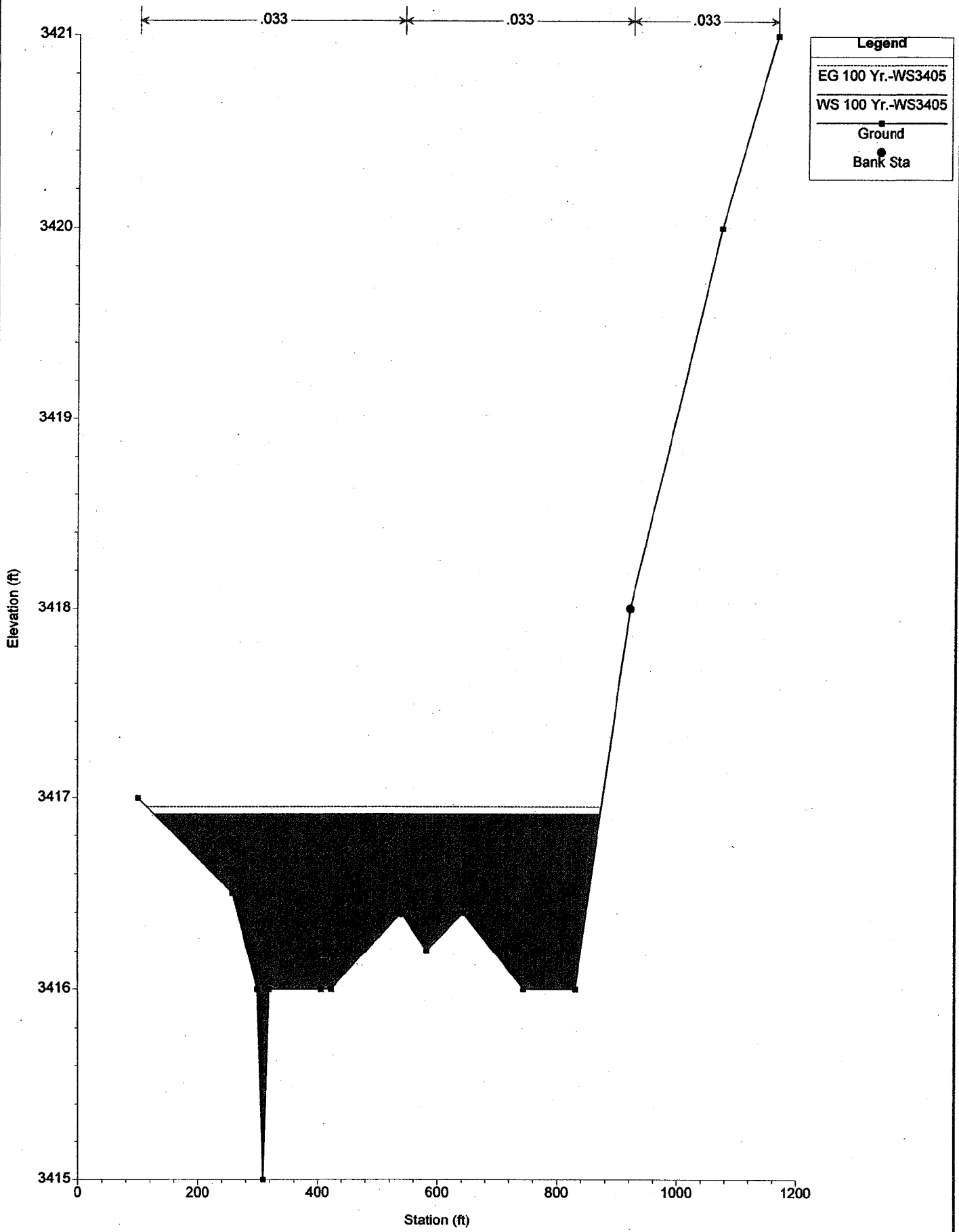


WCS Plan: 2-04-04MANY
Sta. 4221



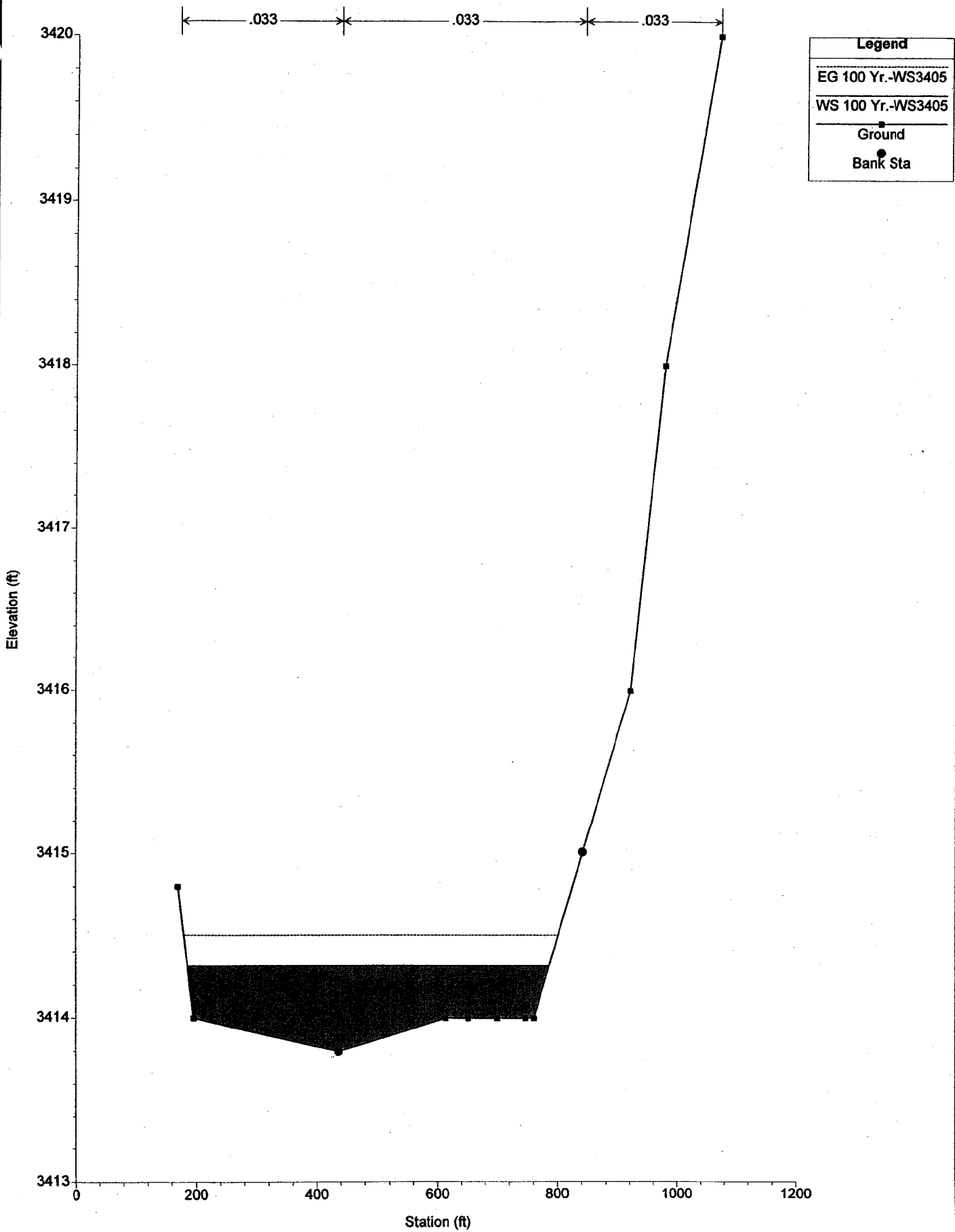
Legend	
---	EG 100 Yr.-WS3405
---	WS 100 Yr.-WS3405
●	Ground
●	Bank Sta

WCS Plan: 2-04-04MANY
Sta. 3489

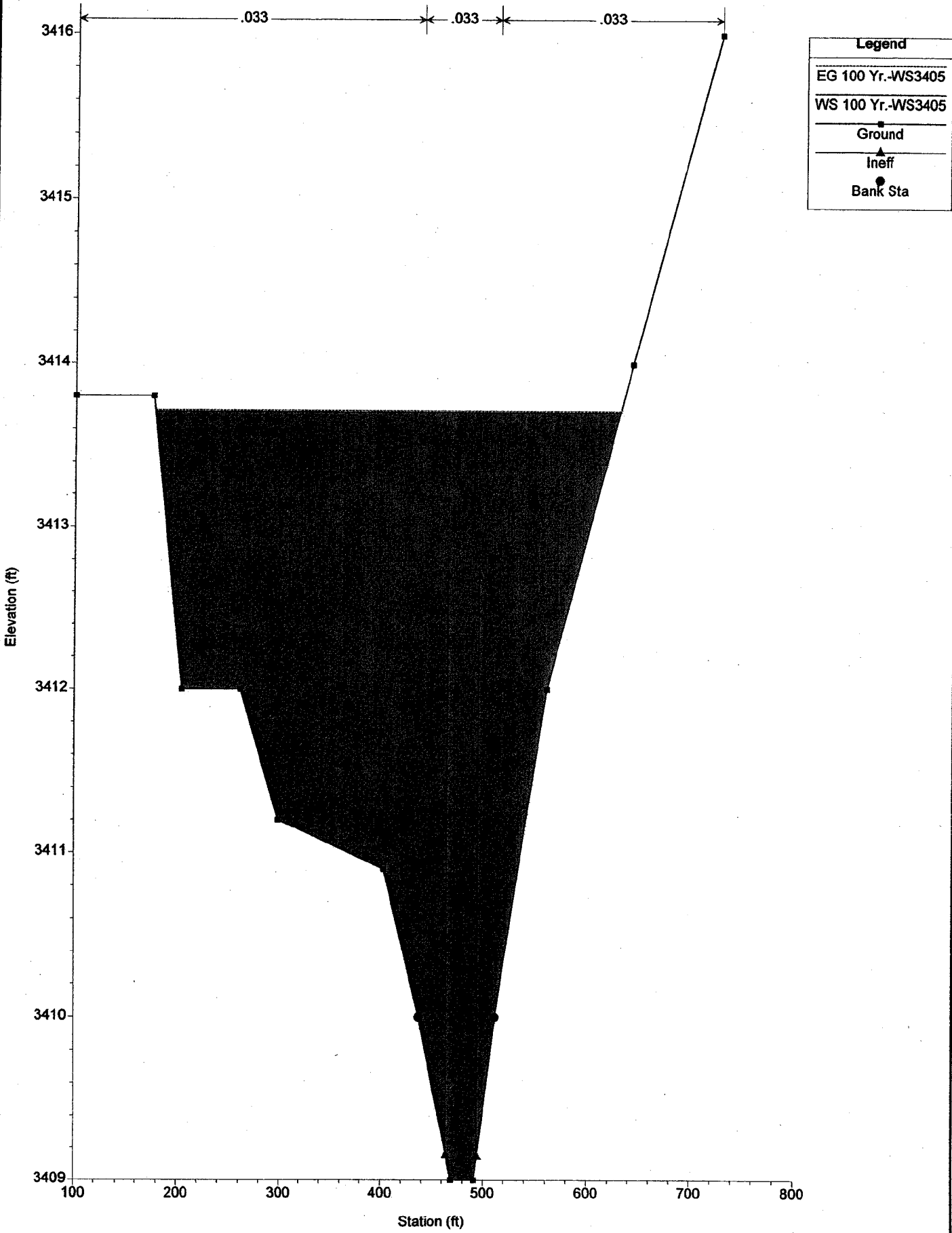


WCS Plan: 2-04-04MANY

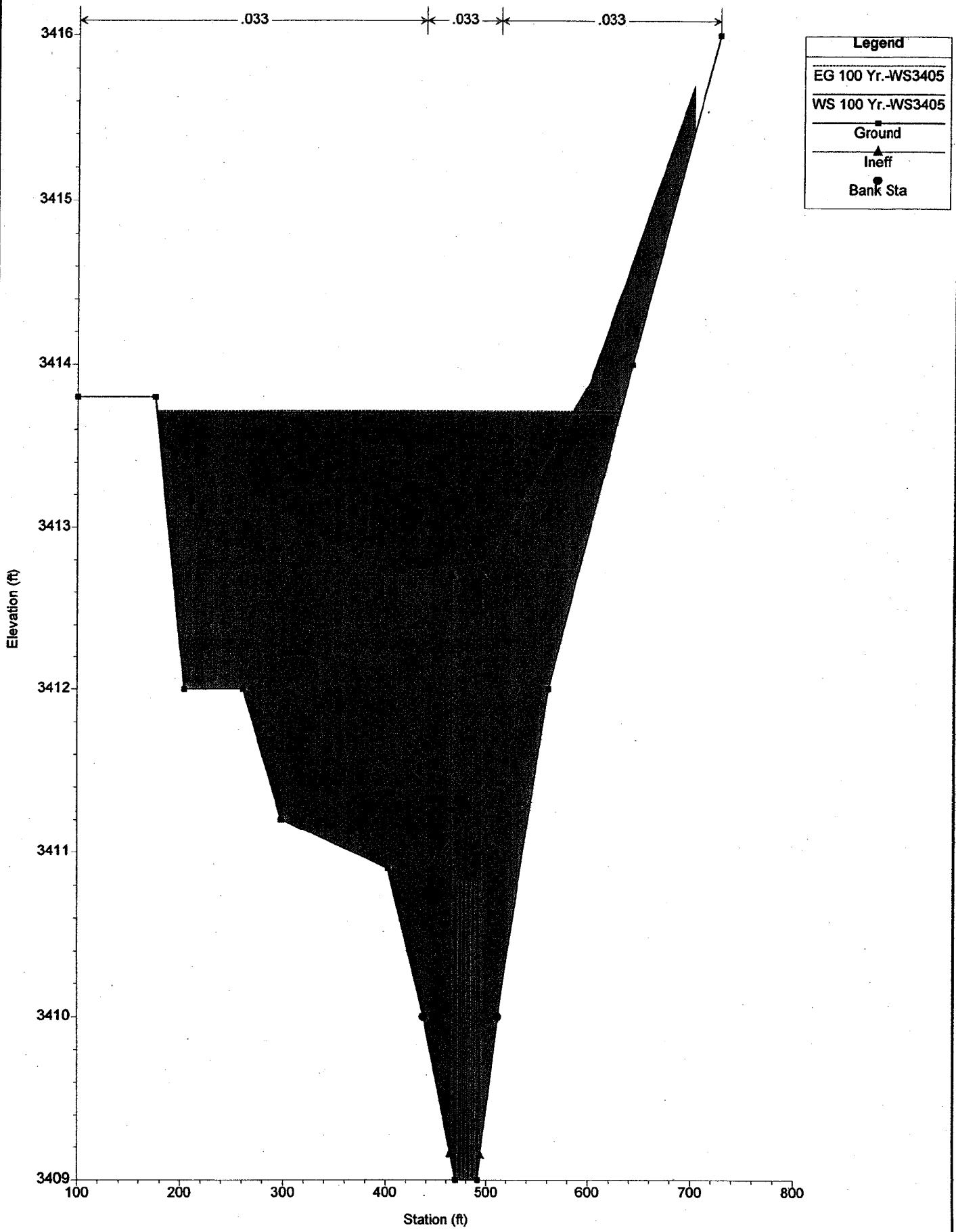
Sta. 2989



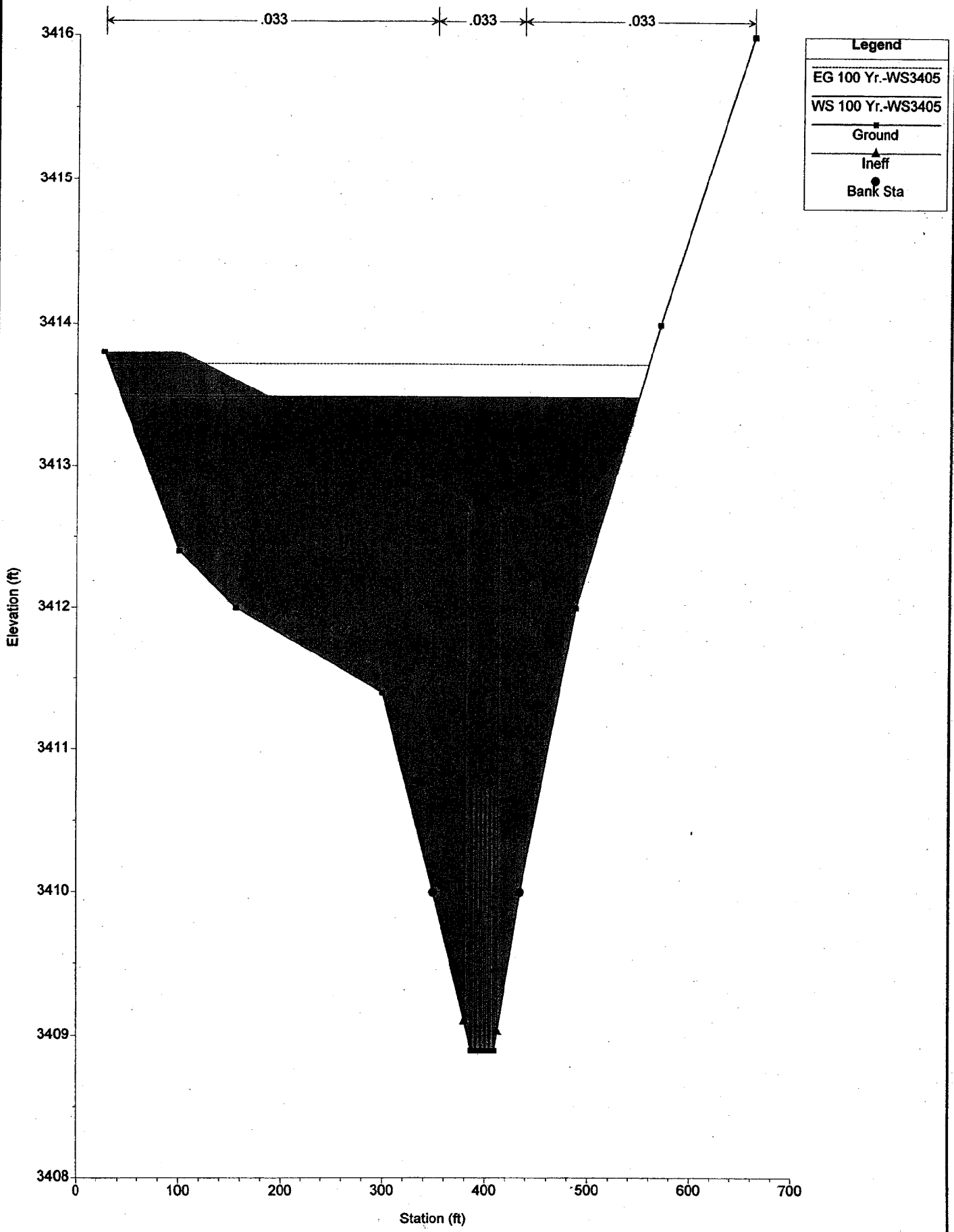
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 Sta. 2774 Upstream of culverts



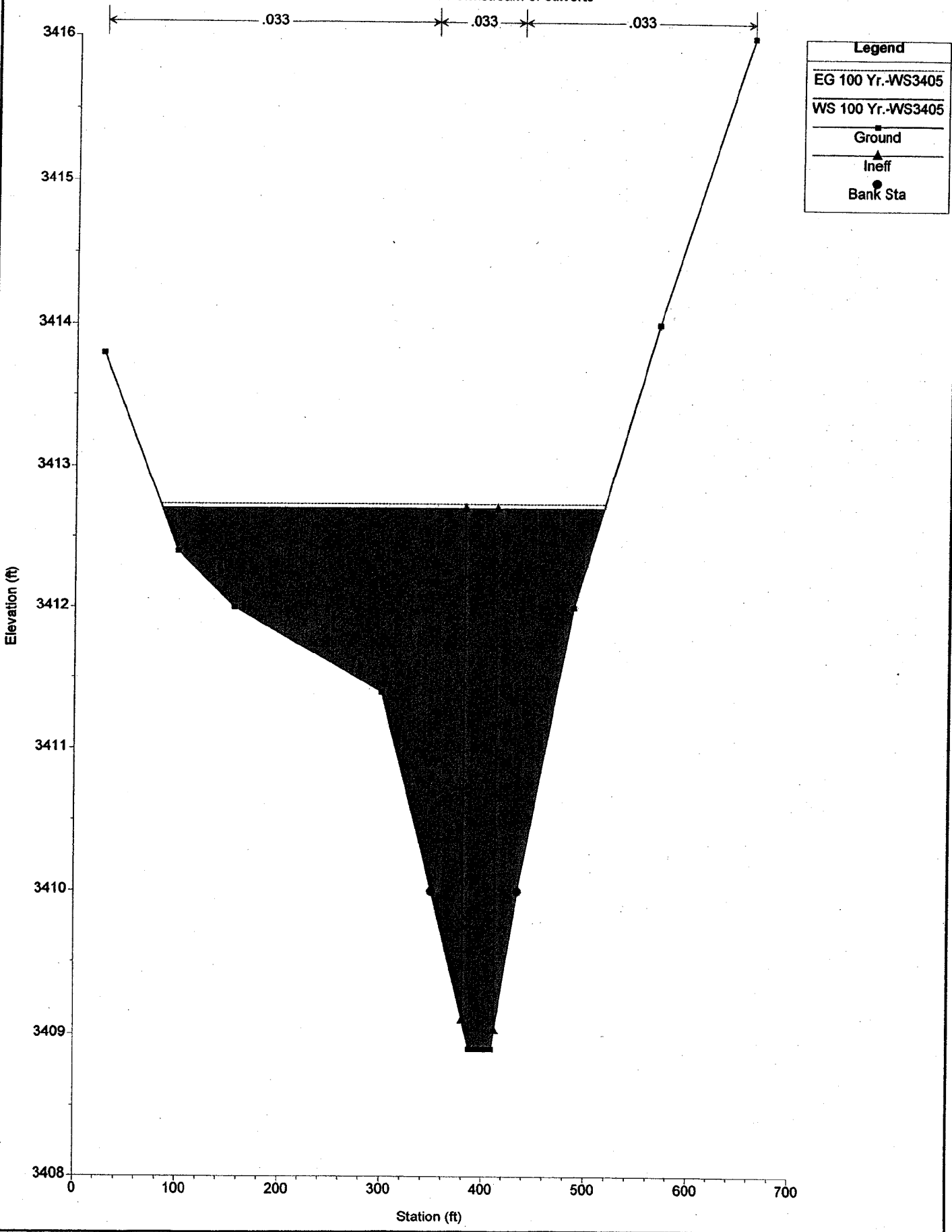
WCS Plan: 2-04-04MANY



WCS Plan: 2-04-04MANY



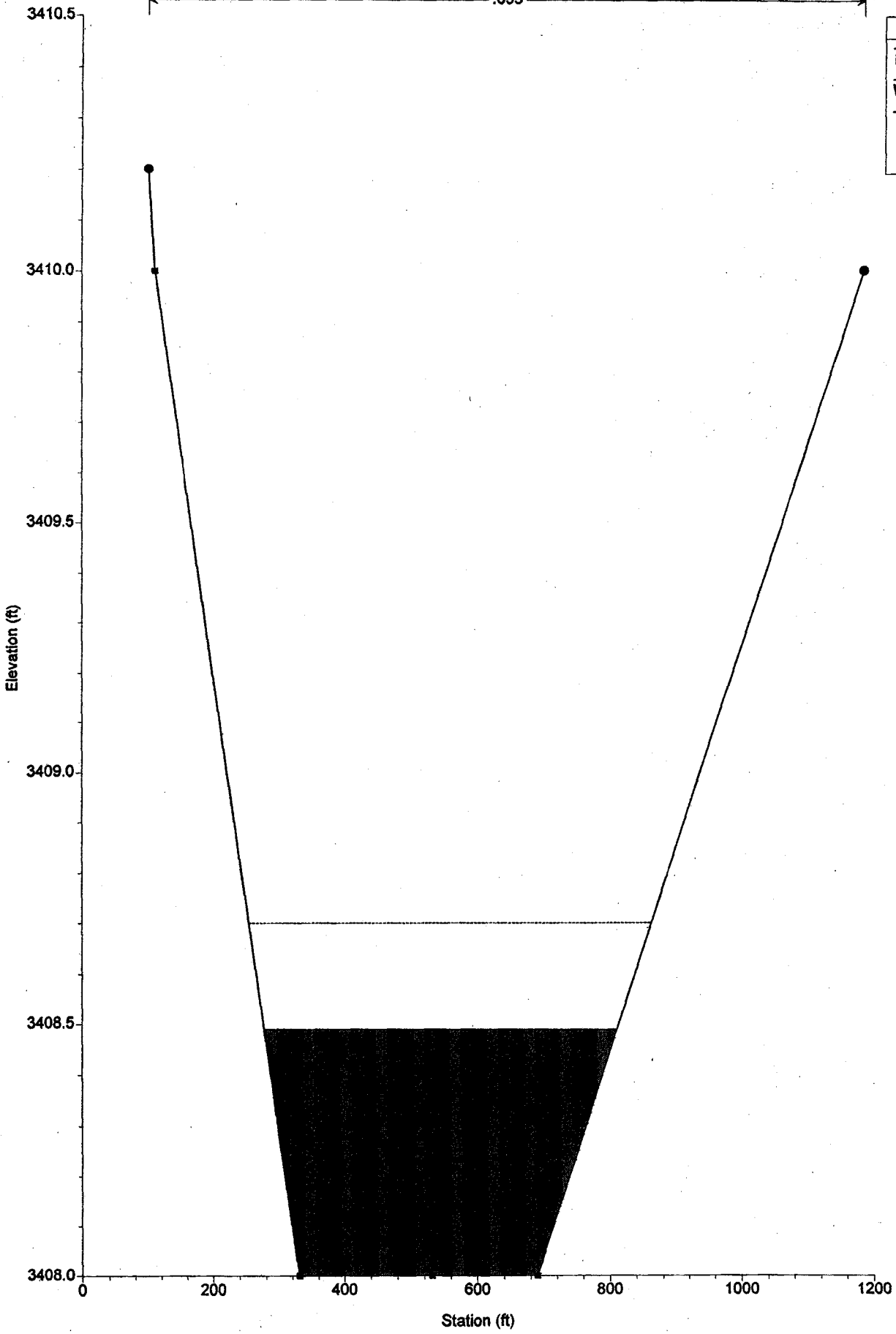
WCS Plan: 2-04-04MANY
 Sta. 2734 Downstream of culverts



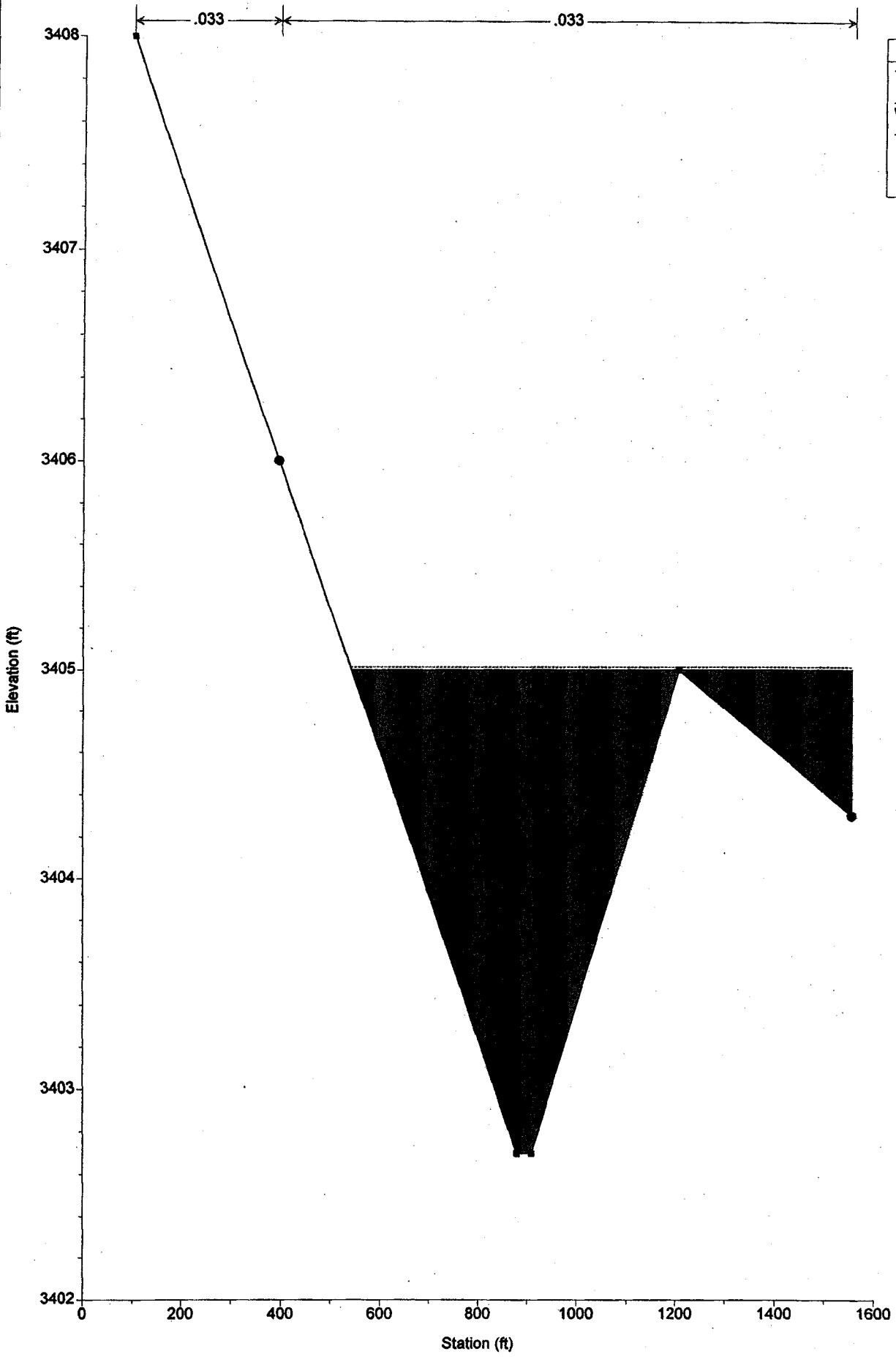
WCS Plan: 2-04-04MANY
Sta. 1888

.033

Legend	
EG 100 Yr.-WS3405	
WS 100 Yr.-WS3405	
Ground	■
Bank Sta	●



WCS Plan: 2-04-04MANY
Sta. 1060





APPENDIX D

HEC-HMS MODEL FOR THE CALCULATION OF THE 500-YEAR PEAK DISCHARGES



Frederick H. Haas
12/17/04

HMS * Summary of Results

Project : WCS

Run Name : 500 Year Storm

Start of Run : 01Dec00 0000 Basin Model : 100YrAM1/22/04

End of Run : 02Dec00 0000 Met. Model : Met 500 Year

Execution Time : 16Dec04 1252 Control Specs : Control 1

Hydrologic Element	Discharge Peak (cfs)	Time of Peak	Volume (ac ft)	Drainage Area (sq mi)
Subbasin-4	641.22	01 Dec 00 1233	99.591	0.490
Reach-2	641.22	01 Dec 00 1248	99.086	0.490
Subbasin-2	949.25	01 Dec 00 1302	213.56	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	533.30	01 Dec 00 1325	146.15	0.691
Reach-1A	533.30	01 Dec 00 1342	145.29	0.691
Subbasin-1B	376.03	01 Dec 00 1239	63.679	0.314
Junction-1A	676.52	01 Dec 00 1327	208.96	1.005
Reach-1B	676.52	01 Dec 00 1330	208.75	1.005
Subbasin-3	186.82	01 Dec 00 1239	31.637	0.156
Junction-1	769.83	01 Dec 00 1300	240.38	2.224
Reach-3	769.83	01 Dec 00 1317	238.95	2.224
Subbasin-5A	256.07	01 Dec 00 1232	39.040	0.192
Junction-2	1495.7	01 Dec 00 1253	377.08	2.906
Reach-4	1495.7	01 Dec 00 1314	374.29	2.906
Subbasin-5B	276.18	01 Dec 00 1249	53.528	0.265
Junction-3	1716.7	01 Dec 00 1312	427.82	3.171
Reach-5	1716.7	01 Dec 00 1326	425.68	3.171
Subbasin-6	116.97	01 Dec 00 1223	15.099	0.074
Junction-4	1742.7	01 Dec 00 1325	440.78	3.245
Reach-6	1742.7	01 Dec 00 1325	440.78	3.245
Subbasin-7	93.976	01 Dec 00 1301	20.903	0.104
Junction-5	1823.2	01 Dec 00 1325	461.69	3.349

Meteorologic Model Input

HMS - Meteorologic Model [X] [] []

File Edit Help

Meteorologic Model: Met 500 Year Subbasin List

Description: 500 Year, 24 Hour Storm

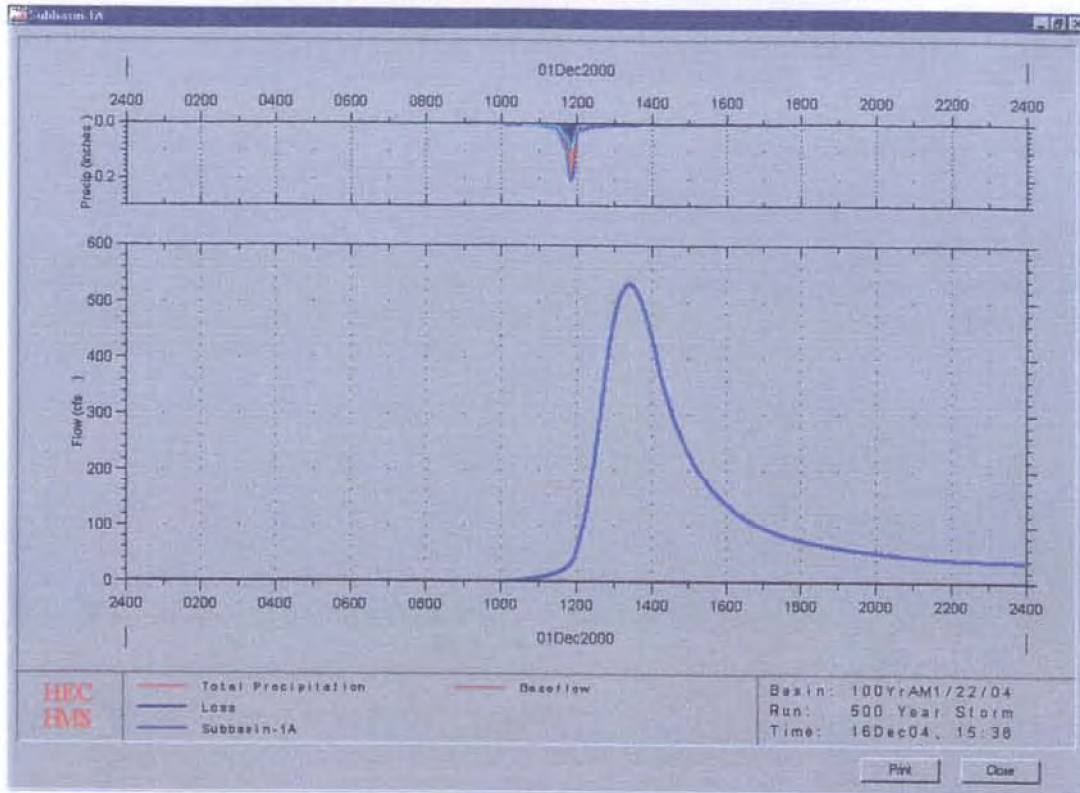
Precipitation: [Map of Subbasin] Method: SCS Hypothetical Storm

Storm Selector: Type II

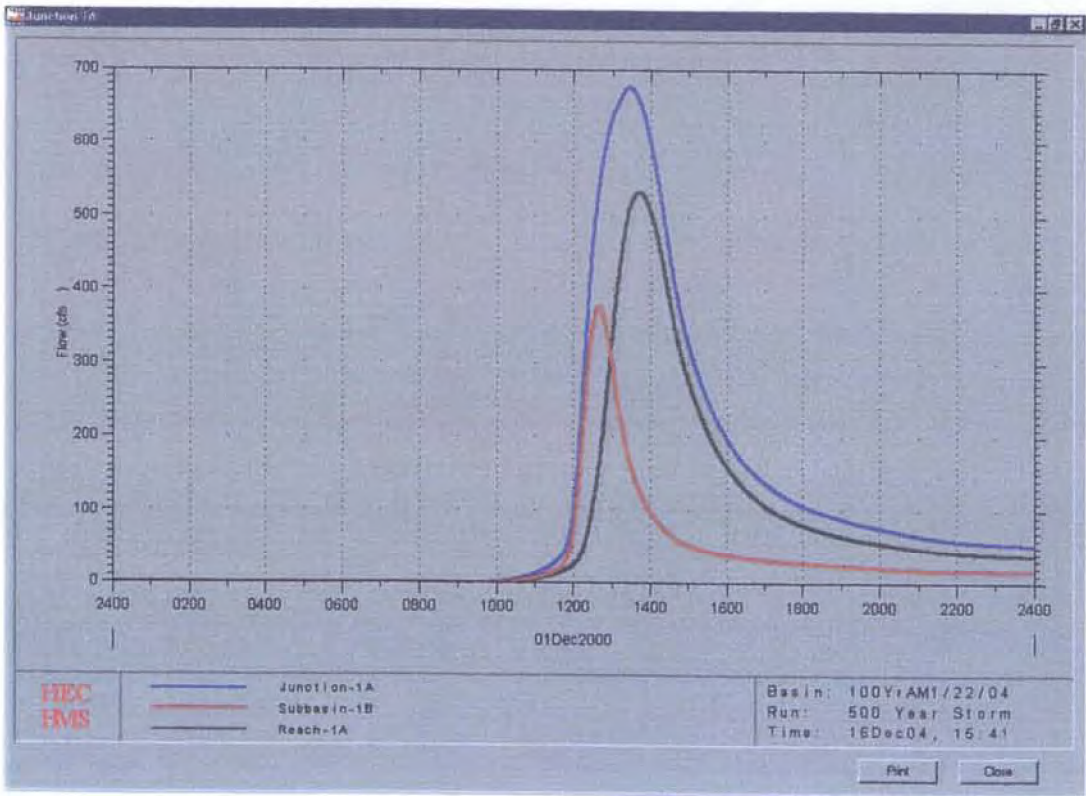
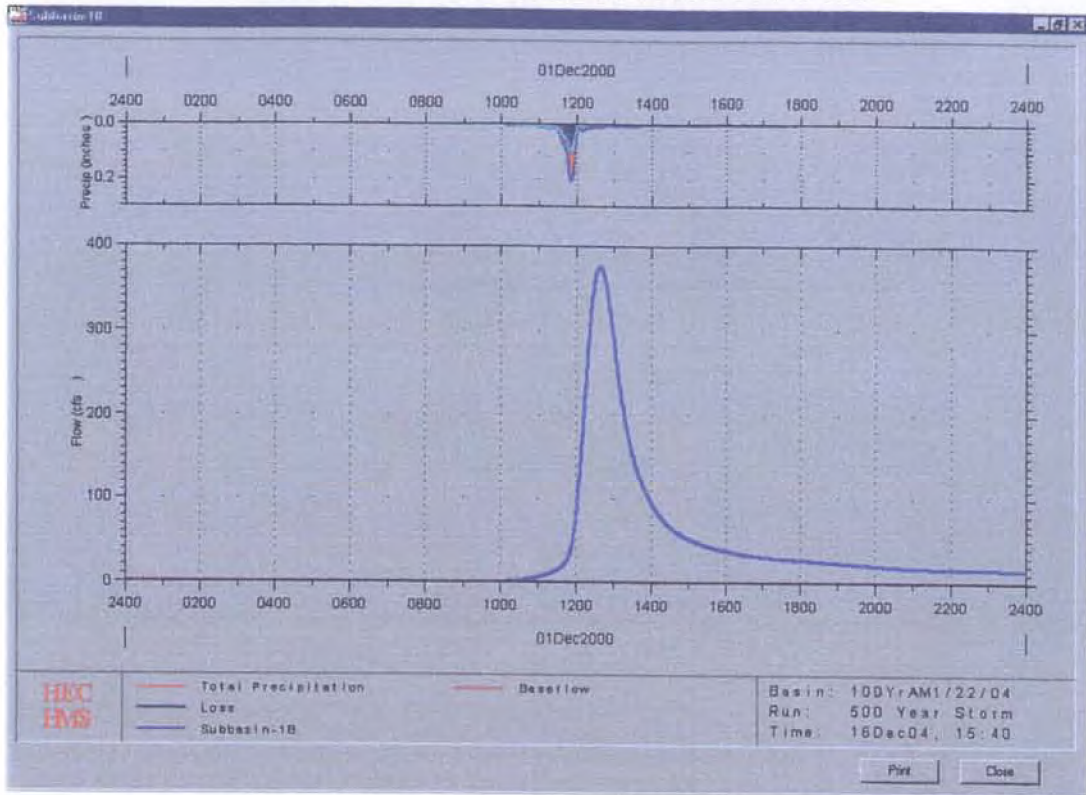
Storm Depth (in): 8.71

OK Apply Cancel

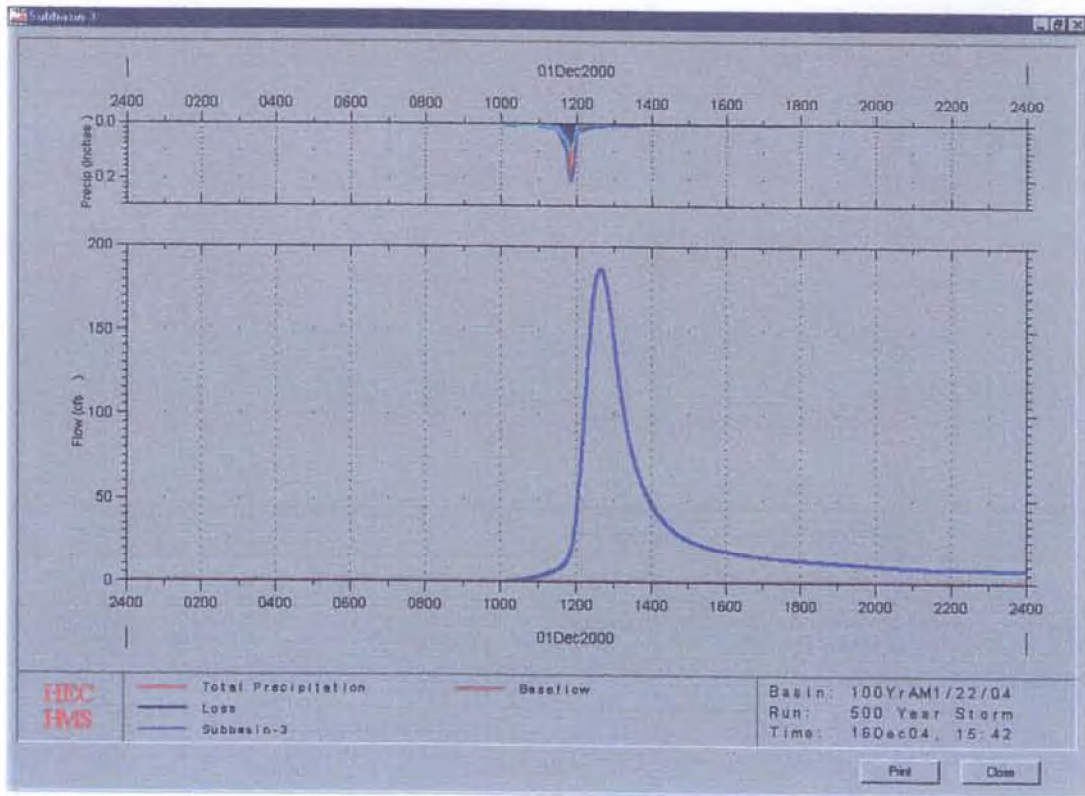
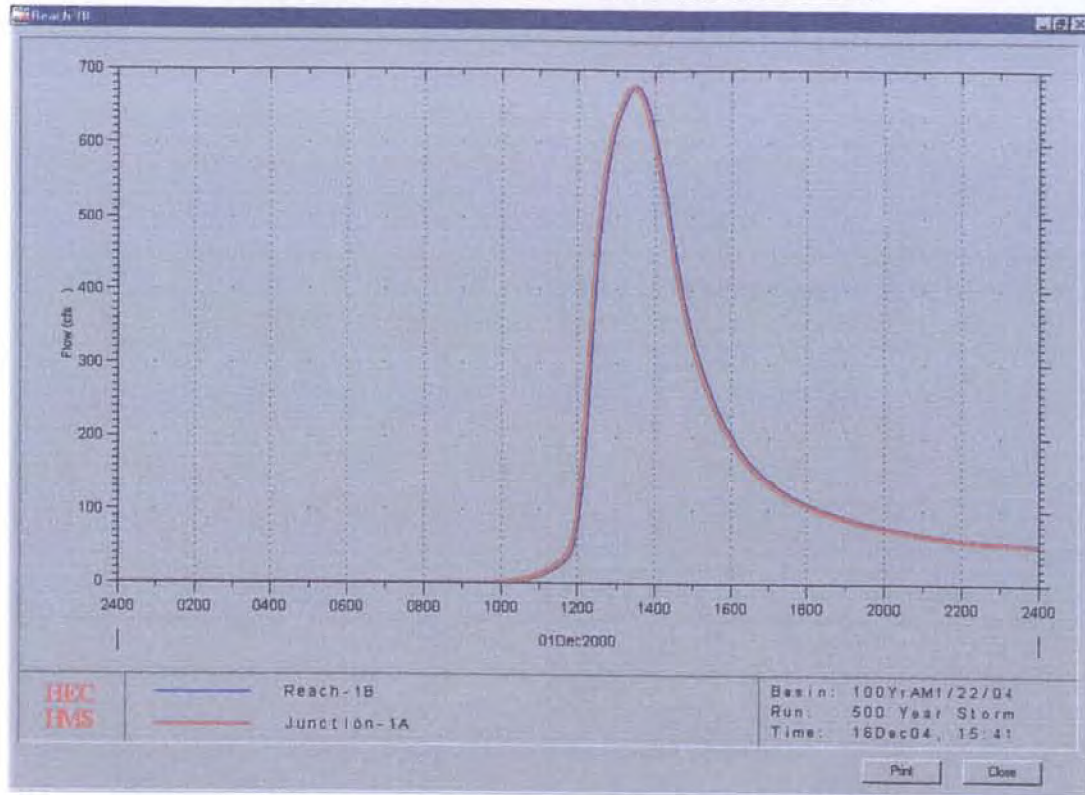
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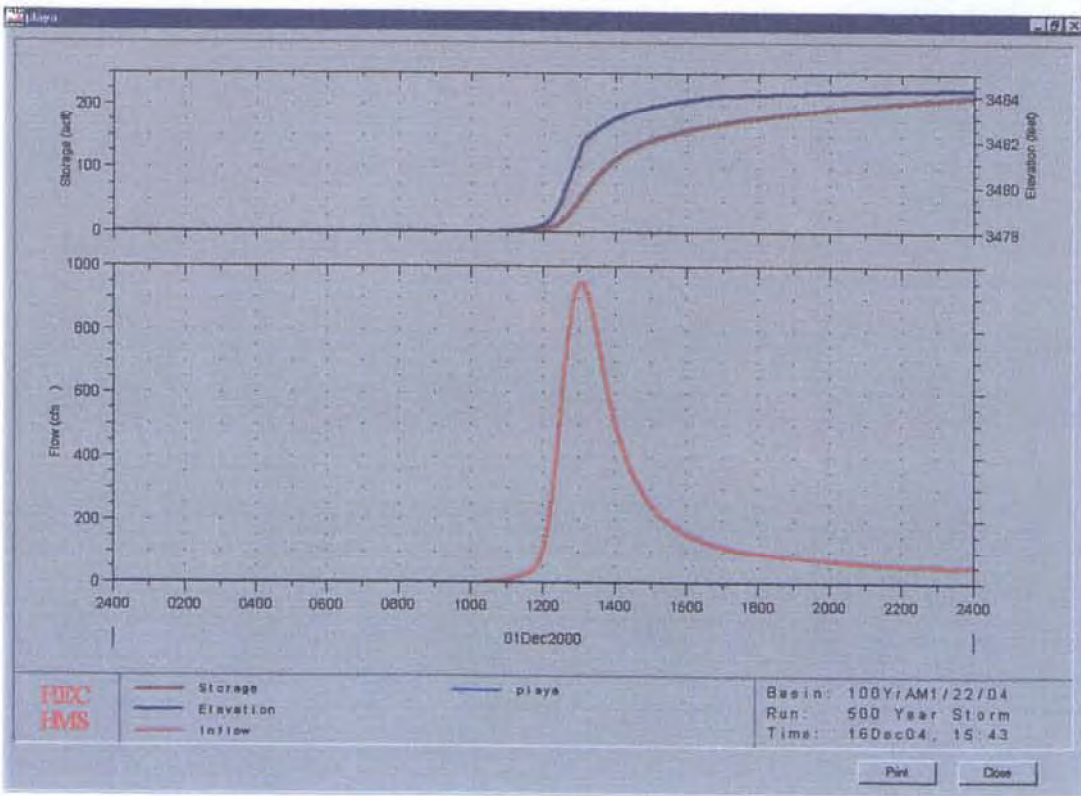
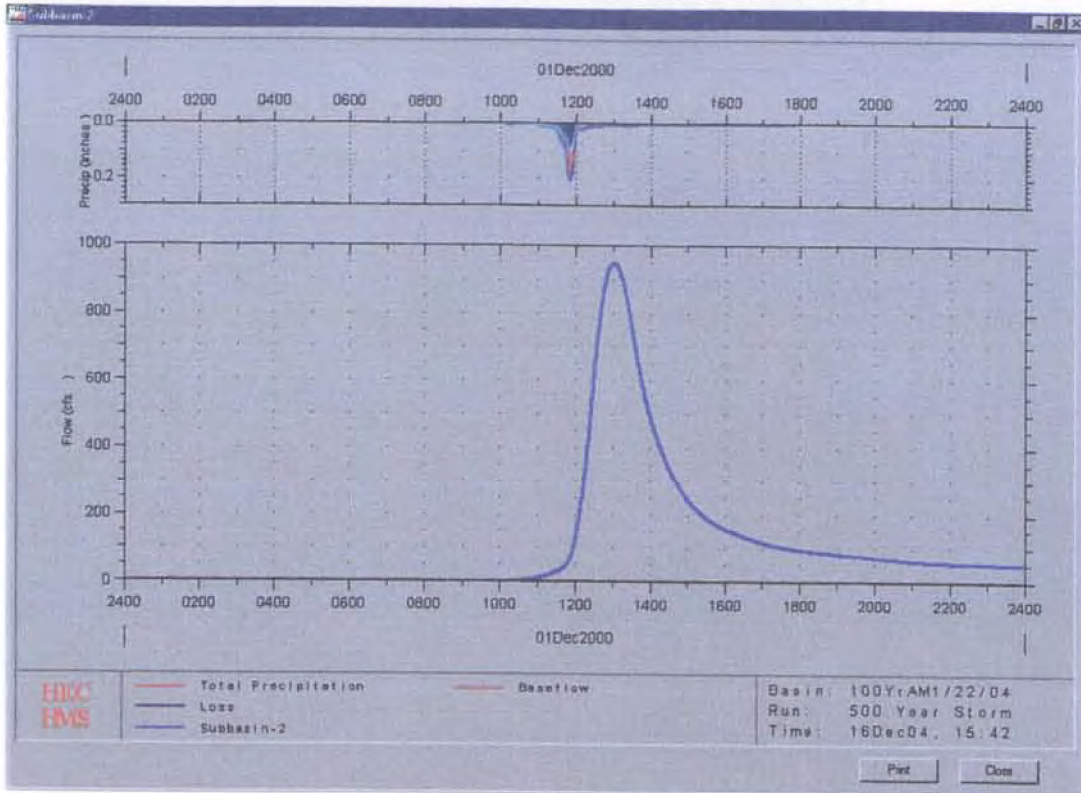
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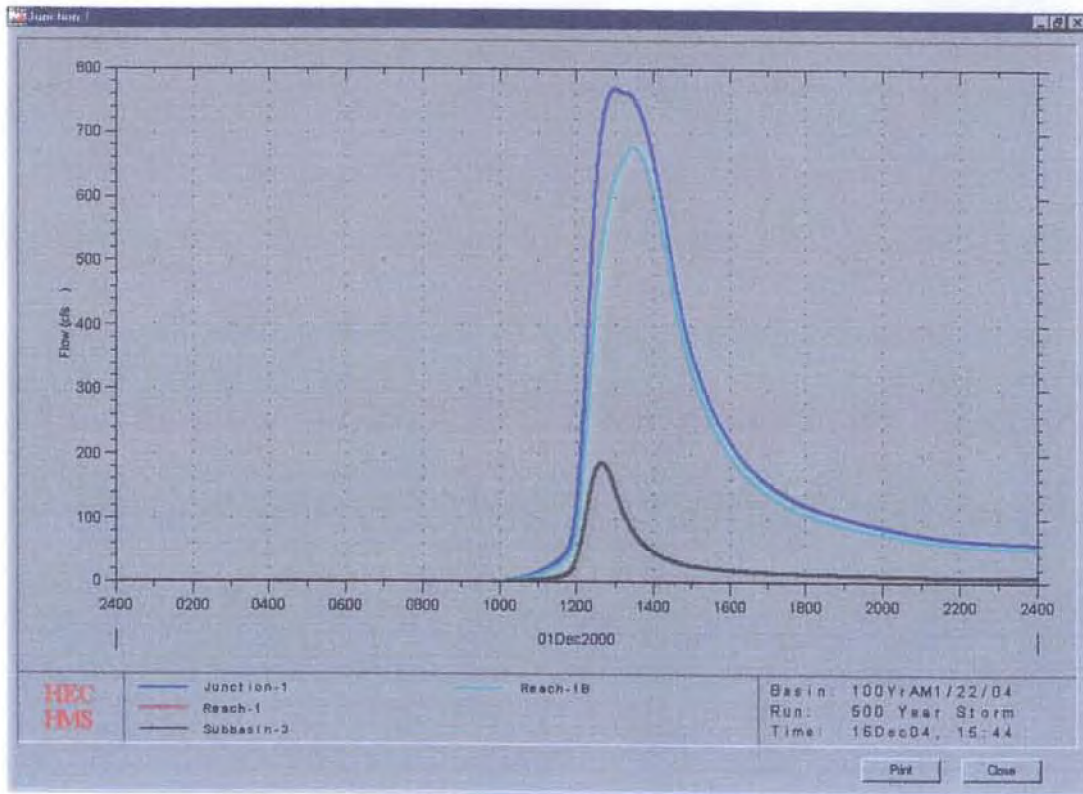
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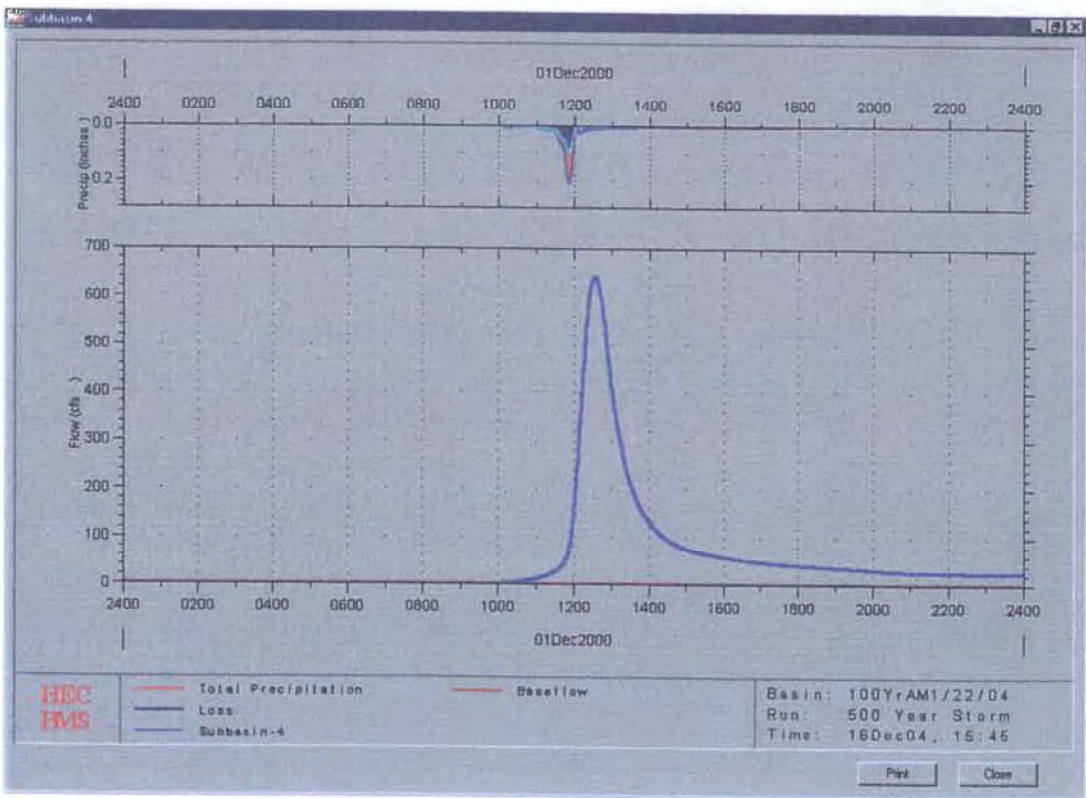
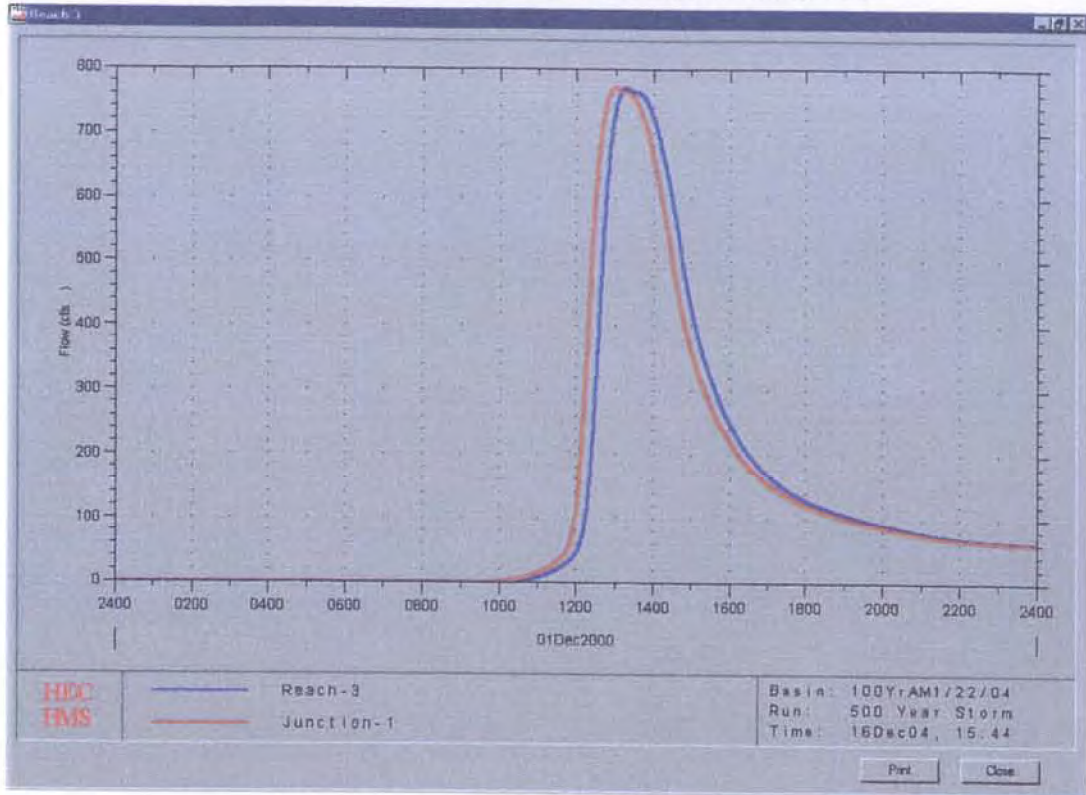
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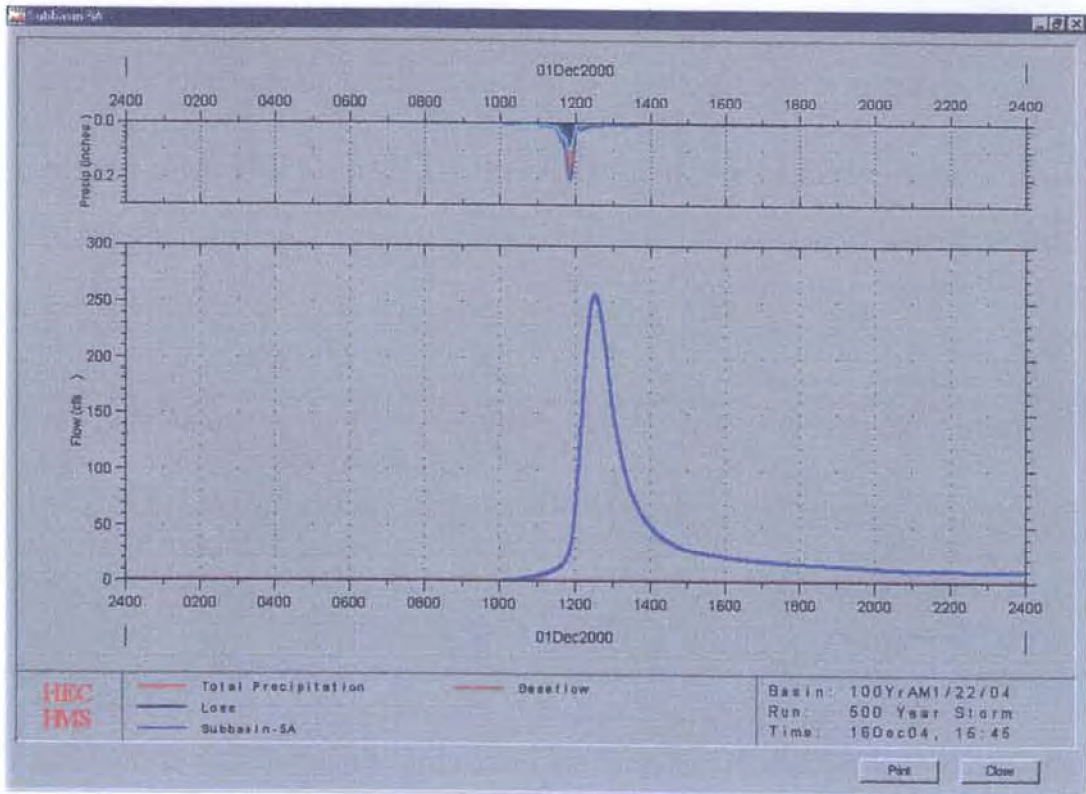
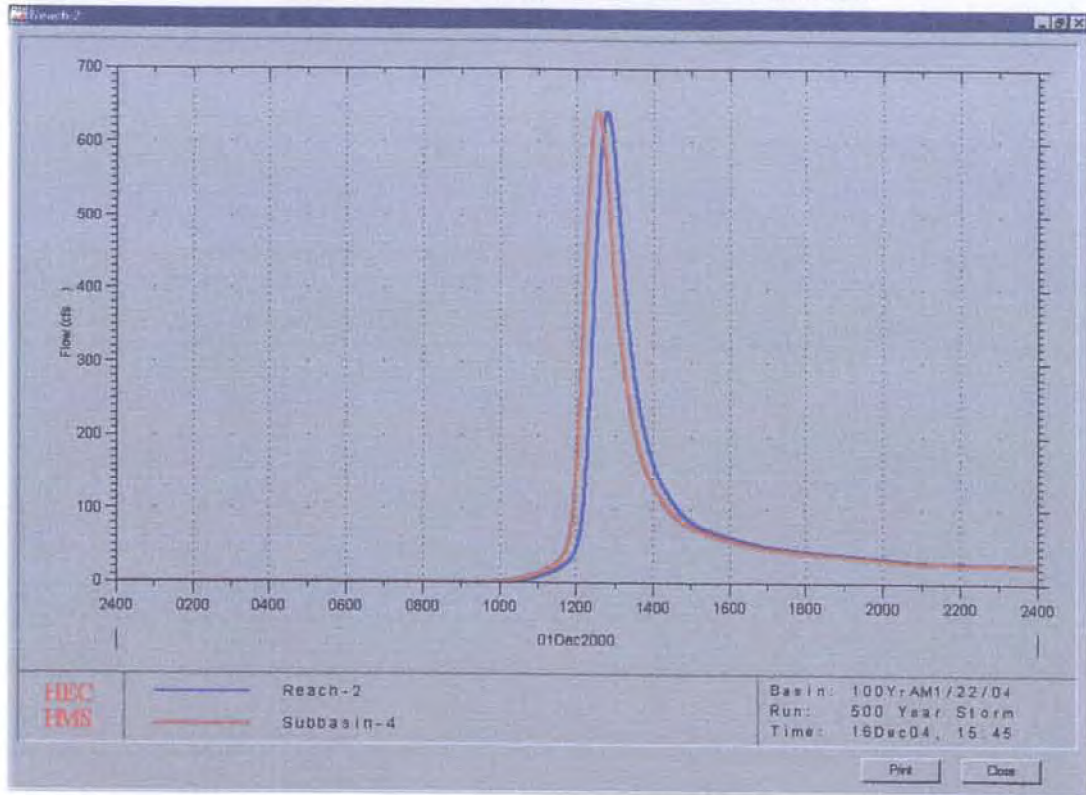
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WCS FACILITY FLOOD PLAIN STUDY HYDROGRAPHS



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