

Afton Run HEC-2 Output

Study Contractor : Hayes, Seay, Mattam & Mattam
Contract Number : EMW-90-C-3101
HSMM Number : 2373

Multiple Output

Afton Run HEC-2 Output Multiple

Study Contractor : Hayes, Reay, Mattorn & Mettern
Contract Number : EMW-87-C-3101
HSMM Number : 2373

* HEC-2 WATER SURFACE PROFILES *
* *
* Version 4.6.2: May 1991 *
* *
* RUN DATE 09OCT91 TIME 15:02:03 *

* U.S. ARMY CORPS OF ENGINEERS *
* HYDROLOGIC ENGINEERING CENTER *
* 609 SECOND STREET, SUITE D *
* DAVIS, CALIFORNIA 95616-4887 *
* (916) 756-1104 *

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HAYES, SEAY, MATTERN & MATTER, INC.
ROANOKE, VIRGINIA - GREENSBORO, NORTH CAROLINA
COMMISSION NUMBER: 2373
INPUT FILE NAME: AR_MULT.HEC
OUTPUT FILE NAME: AR_MULT.DAT

THIS RUN EXECUTED 09OCT91 15:02:04

 HEC-2 WATER SURFACE PROFILES
 Version 4.6.2; May 1991

T1 Hayes, Seay, Mattern & Mattern Cabarrus County, NC FIS
 T2 Proj. No. EMW-90-C-3101 Eng:LJM/EKL ET:TFH Comm. No. 2373
 T3 Afton Run (AR.IN) Date: 10/09/91 10-Year Event

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ
 2.0 0.0023 595.0
 J2 HPROF IPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
 1. -1.0

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

101. 150.

J5 LPRNT NUMSEC *****REQUESTED SECTION NUMBERS*****

-10.

NC	0.18	0.18	0.05	0.1	0.3					
NC				0.3	0.5					
NH	7.	1.	4977.	0.22	4915.	0.13	4962.	0.052	5012.	0.13
NH	5087.	0.22	5139.	1	6713.	0.	0.	0.	0.	0.
QT	8.	1626.	2545.	2972.	4260.	2972.	756.	1247.	2103.	
ET	0.00	0.00	0.00	0.00	0.00	10.41	0.00	0.00	0.00	0.00
X1	286.	44.	4962.	5012.	286.	286.	286.		0.	
X3	10.							594.94	595.	
GR	634.94	4087.	629.94	4257.	624.94	4404.	619.94	4495.	614.94	4583.
GR	609.94	4675.	604.94	4757.	599.94	4769.	594.94	4850.	595.22	4877.
GR	595.58	4912.	595.5	4915.	594.88	4937.	595.28	4962.	593.38	4976.99
GR	593.38	4977.	591.88	4986.99	591.88	4987.	588.91	4996.2	588.89	4996.25
GR	588.59	4997.19	588.28	4998.13	587.98	4999.06	587.69	4999.98	587.68	5000.
GR	587.96	5000.94	588.24	5001.88	588.52	5002.81	588.81	5003.75	589.82	5003.8
GR	589.76	5006.99	589.79	5007.	595.28	5012.	595.38	5037.	594.98	5062.
GR	594.98	5007.	594.97	5139.	594.94	5384.	599.94	5502.	604.94	5745.
GR	609.94	5999.	614.94	6160.	619.94	6254.	624.94	6713.	0.	0.
SC	1.033	0.80	3.00	0.00	7.50	0.00	26.0	2.3	587.79	587.69
NH	7.	1.	4877.	0.22	4915.	0.13	4996.2	0.052	5003.8	0.13
NH	5087.	0.22	5139.	1.	6713.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	10.41	0.00	0.00	0.00	0.00

GR	588.09	5000.94	589.37	5001.88	588.65	5002.81	588.94	5003.75	588.95	5003.8
GR	589.91	5006.99	589.92	5007.	585.41	5012.	595.51	5037.	585.11	5062.
GR	595.11	5087.	595.1	5139.	595.07	5384.	600.07	5502.	605.07	5745.
GR	610.07	5909.	615.07	6160.	620.07	6254.	625.07	6713.	0.	0.

NC										
NH	7.	1.	4872.	0.1	0.3	0.13	4987.	0.052	5015.	0.13
EH	5074.	0.22	5125.	0.22	4911.	0.	0.	0.	0.	0.

Cross Section 0.3

Cross Section A (HSM Draft)

X1	1225.	30.	4987.	5015.	903.5	903.5	903.5	0.	0.	4642.
GR	635.	4366.	630.	4439.	625.	4495.	620.	4558.	610.	4965.
GR	605.	4678.	600.	4700.	596.75	4872.	596.02	4911.	595.	4999.99
GR	594.81	4987.	591.91	4989.	591.11	4992.	590.21	4995.	589.81	5010.
GR	589.81	5000.	589.71	5003.	590.61	5006.	591.11	5009.	592.01	5280.
GR	595.91	5015.	595.69	5074.	595.5	5125.	595.	5259.	600.	5893.
GR	595.	5323.	610.	5360.	615.	5649.	620.	5768.	625.	

NH	7.	1.	4929.	0.22	4957.	0.13	4983.1	0.052	5019.5	0.13
NH	5055.	0.22	5088.	1.	5331.	0.	0.	0.	0.	0.

Cross Section 0.6

Cross Section B (HSM Draft)

X1	2183.	29.	4983.1	5019.5	958.	958.	958.	4889.	0.	4918.
GR	635.	4770.	625.	4822.	615.	4867.	610.	4983.1	605.	4985.7
GR	603.28	4929.	600.	4950.	599.5	4957.	597.63	5000.	594.73	5003.9
GR	593.93	4989.6	593.03	4993.5	592.63	4999.99	592.63	5019.5	592.53	5055.
GR	593.43	5007.8	593.53	5011.7	594.83	5013.	598.73	5179.	599.21	5192.
GR	599.65	5088.	600.	5114.	605.	5157.	610.	5331.	615.	0.
GR	620.	5217.	625.	5241.	630.	5276.	635.	0.	0.	

NH	7.	1.	4883.	0.21	4930.	0.12	4983.1	0.053	5019.5	0.12
NH	5071.	0.21	5104.	1.	5702.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4840.00	5070.00	0.00	0.00

Cross Section 0.8

Cross Section C (HSM Draft)

X1	3020.	35.	4983.1	5019.5	837.	837.	837.	4810.	0.	4837.
GR	635.	4599.	630.	4705.	625.	4766.	620.	4930.	615.	4947.
GR	600.1	4983.1	609.43	4883.	605.	4914.	602.58	4993.5	600.	5000.
GR	595.	5003.9	597.2	4985.7	596.4	4989.6	595.5	5013.	595.1	5019.5
GR	600.	5071.	605.	5069.	596.4	5011.7	597.3	5139.	601.2	5161.
GR	620.	5195.	625.	5233.	605.5	5104.	610.	5411.	615.	5416.
GR	635.	5428.	640.	5483.	625.	5383.	625.	5640.	630.	5762.
GR					645.	5568.	650.		655.	

NH	7.	4899.	0.21	4935.	0.12	4987.	0.053	5015.	0.12
NH	5061.	5098.	1.	5194.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	7.11	4950.00	5035.00	0.00	0.00

Cross Section I.0
Cross Section D (HSMH Draft)

X1	3556.	32.	4987.	5015.	576.	576.	0.17	5033.5	0.20
GR	655.	4473.	650.	4496.	640.	640.	4567.	0.	0.
GR	630.	4630.	625.	4668.	615.	615.	4705.	0.00	0.00
GR	605.	4806.	603.73	4899.	603.45	603.45	4922.	650.25	4400.
GR	598.31	4987.	600.51	4989.	598.81	598.81	4995.	634.44	4691.
GR	605.31	5003.	599.21	5006.	600.61	600.61	5010.	619.1	4800.
GR	610.	5102.	606.11	5040.	606.4	606.4	5061.	607.71	4938.
GR	610.	5102.	615.	5146.	620.	620.	0.	600.71	4989.49
NH	6.	4938.	0.18	4955.5	5033.5	5033.5	0.17	5033.5	0.20
NH	5044.	6051.	0.	0.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	4950.00	4950.00	5035.00	0.00	0.00
X1	4200.4	53.	4955.5	5033.5	610.46	610.46	4138.	0.	0.
GR	654.44	3658.	653.88	3758.	651.73	651.73	4138.	650.25	4400.
GR	649.69	4500.	649.44	4544.	644.44	644.44	4602.	634.44	4691.
GR	622.48	4700.	625.44	4714.	619.44	619.44	4797.	619.1	4800.
GR	617.96	4810.	614.44	4841.	607.98	607.98	4913.5	607.71	4938.
GR	607.52	4955.5	606.73	4962.	605.21	605.21	4985.5	600.71	4989.49
GR	600.71	4989.5	600.71	4989.51	601.02	601.02	4999.49	601.02	4999.5
GR	601.37	5000.	601.06	5000.5	601.21	601.21	5005.5	601.37	5010.48
GR	602.18	5010.49	601.38	5010.5	601.54	601.54	5033.5	608.18	5044.
GR	624.44	5234.	629.44	5354.	615.14	615.14	5200.	619.44	5267.
GR	644.44	5856.	649.71	5854.	639.44	639.44	5605.	643.66	5648.
GR	644.44	5856.	649.71	5854.	654.44	654.44	0.	0.	0.

NC	7.	4938.	0.3	4962.	0.18	4989.5	0.06	5010.5	0.17
NH	5032.5	5044.	1.	6051.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	7.11	4990.00	5011.00	0.00	0.00
X1	4290.5	53.	4989.5	5010.5	84.04	84.04	0.	0.	0.
X3	10.	10.	10.	10.	84.04	84.04	0.	0.	0.
GR	654.77	3658.	654.21	3758.	652.06	652.06	640.	641.31	4400.
GR	650.02	4500.	649.77	4544.	644.77	644.77	4602.	650.58	4800.
GR	632.81	4700.	629.77	4714.	619.43	619.43	4797.	619.43	4938.
GR	618.28	4810.	614.77	4841.	608.31	608.31	4913.5	608.04	4938.
GR	607.85	4955.5	607.05	4962.	601.54	601.54	4985.5	601.21	4989.49
GR	601.04	4999.5	601.04	4999.51	601.35	601.35	4999.49	601.35	4999.5
GR	601.37	5000.	601.39	5000.5	601.54	601.54	5005.5	601.7	5010.48
GR	601.7	5010.49	601.71	5010.5	608.51	608.51	5033.5	608.51	5044.
GR	608.51	5063.5	608.31	5068.5	615.47	615.47	5200.	619.77	5267.
GR	624.77	5294.	629.77	5354.	639.77	639.77	5605.	643.99	5648.
GR	644.77	5856.	650.04	5854.	654.77	654.77	0.	0.	0.

SC	2.020	0.40	3.00	0.00	10.0	10.0	10.0	163.0	8.1	501.43	601.10
MH	7.	1.	4938.	0.27	4962.	0.18	4989.5	4989.5	0.06	5010.5	0.17
MH	5033.5	0.26	5044.	1.	6051.	0.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4990.00	4990.00	5011.00	0.00	0.00
CRISCO ROAD - CULVERT (SR 1430)											
X1	4454.5	53.	4989.5	5010.5	164.	164.	164.	164.	0.00	0.00	0.00
X2	0.00	0.00	2.80	611.13	640.00	0.00	0.00	0.00	0.00	0.00	0.00
X3	10.										
BT	-53.	3658.	655.35	655.33	3758.	654.79	654.77	654.77	640.	641.31	653.9
BT		4138.	652.64	652.62	4400.	651.16	651.14	651.14	3912.	653.92	650.58
BT		4544.	650.35	650.33	4600.	645.52	645.5	645.5	4602.	650.6	645.33
BT		4691.	640.23	635.33	4700.	640.26	633.37	633.37	4714.	640.29	630.33
BT		4767.	640.41	625.33	4797.	640.47	620.33	620.33	4800.	640.48	619.99
BT		4810.	640.	618.85	4841.	640.33	615.33	615.33	4900.	640.97	610.07
BT		4913.5	641.01	608.87	4938.	641.09	608.6	608.6	4955.5	641.15	608.41
BT		4962.	641.17	607.62	4974.5	641.21	606.1	606.1	4985.5	641.24	602.1
BT		4989.49	641.26	4989.5	4989.5	641.26	501.46	501.46	4989.51	641.26	611.46
BT		4994.5	641.27	611.46	4999.49	641.29	611.46	611.46	4999.5	641.29	601.46
BT		5000.	641.29	601.93	5000.5	641.29	601.43	601.43	5000.51	641.29	611.43
BT		5005.5	641.3	611.43	5010.48	641.31	611.43	611.43	5010.49	641.31	606.43
BT		5010.5	641.31	601.43	5015.5	641.33	606.97	606.97	5033.5	641.37	609.07
BT		5044.	641.35	609.07	5063.5	641.44	609.07	609.07	5088.5	641.49	608.57
BT		5100.	641.52	609.61	5200.	642.23	616.03	616.03	5267.	642.64	620.33
BT		5294.	642.81	625.33	5354.	643.18	630.33	630.33	5468.	643.89	635.33
BT		5605.	644.73	645.	5648.	645.	644.55	644.55	5856.	645.35	645.33
BT		5864.	650.62	650.6	6051.	655.35	655.33	655.33	0.	0.	0.
GR	655.33	3658.	654.77	3758.	653.9	3912.	652.62	652.62	4138.	651.14	4400.
GR	650.58	4500.	650.33	4544.	645.5	4600.	645.33	645.33	4602.	635.33	4891.
GR	633.37	4700.	630.33	4714.	625.33	4767.	620.33	620.33	4797.	619.99	4800.
GR	618.85	4810.	615.33	4841.	610.07	4900.	608.87	608.87	4913.5	608.6	4938.
GR	608.41	4855.5	607.62	4862.	606.1	4974.5	602.1	602.1	4985.5	601.6	4989.49
GR	601.46	4969.5	601.45	4969.51	601.46	4994.5	601.46	601.46	4999.49	601.46	4999.5
GR	601.93	5000.	601.43	5000.5	601.43	5000.51	601.43	601.43	5005.5	601.43	5010.48
GR	601.43	5010.49	601.43	5010.5	606.97	5015.5	609.07	609.07	5033.5	609.07	5044.
GR	609.07	5053.5	608.87	5088.5	609.61	5100.	616.03	616.03	5200.	620.33	5267.
GR	625.33	5294.	630.33	5354.	635.33	5468.	640.33	640.33	5605.	644.55	5648.
GR	645.33	5656.	650.6	5864.	655.33	6051.	0.	0.	0.	0.	0.
MH	6.	1.	4938.	0.18	4955.5	0.06	5033.5	5033.5	0.17	5033.5	0.26
MH	5044.	1.	6051.	0.	0.	0.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4975.00	4975.00	5025.00	0.00	0.00
X1	4476.5	53	4955.5	5033.5	22.01	22.01	22.01	22.01	0.	0.00	0.00
GR	655.09	3658.	654.73	3758.	653.66	3912.	652.38	652.38	4138.	650.9	4400.
GR	650.34	4500.	650.09	4544.	645.26	4600.	645.09	645.09	4602.	635.09	4691.
GR	633.13	4700.	630.03	4714.	625.09	4767.	620.09	620.09	4797.	619.75	4800.
GR	618.61	4810.	615.05	4841.	609.83	4900.	608.63	608.63	4913.5	608.36	4938.
GR	609.17	4955.5	607.38	4862.	605.86	4974.5	601.86	601.86	4985.5	601.36	4989.49
GR	601.36	4989.5	601.36	4989.51	601.52	4994.5	601.67	601.67	4999.49	601.67	4999.5
GR	601.89	5000.	601.71	5000.5	601.71	5000.51	601.86	601.86	5005.5	601.86	5010.48
GR	602.02	5010.49	602.03	5010.5	606.73	5015.5	608.83	608.83	5033.5	602.02	5044.
GR	608.83	5063.5	608.63	5088.5	609.37	5100.	615.79	615.79	5200.	620.09	5267.

GR	625.09	5294.	630.09	5354.	635.09	5468.	640.09	5505.	644.31	5648.
GR	645.09	5656.	650.36	5864.	655.09	6051.	0.	0.	0.	0.
MC										
NH	7.	1.	4900.	0.1	0.3	0.13	4990.	0.06	5011.	0.16
NH	5024.	0.23	5051.	1.	5514.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	10.41	0.00	0.00	0.00	0.00
Cross Section 2.0										
Cross Section E (HSMH Draft)										
XI	5134.	36.	4990.	5011.	657.49	657.49	657.49	0.	0.	0.
GR	655.	4603.	650.	4666.	645.	4719.	640.	4762.	635.	4817.
GR	625.	4886.	622.74	4900.	620.	4917.	615.1	4941.	614.9	4942.
GR	615.	4968.	611.2	4972.	609.7	4983.	610.	4984.	607.4	4990.
GR	603.2	4995.	602.2	4996.	601.2	4999.99	601.2	5003.	602.5	5003.
GR	603.	5004.	604.7	5007.	606.	5008.	607.3	5011.	606.8	5017.
GR	607.3	5023.	610.	5024.	612.1	5035.	614.03	5051.	615.	5059.
GR	615.	5209.	615.	5310.	620.	5375.	625.	5414.	635.	5478.
GR	640.	5514.	0.	0.	0.	0.	0.	0.	G.	0.
NH	7.	1.	4833.	0.25	4908.	0.13	4952.5	0.06	5024.5	0.17
NH	5052.4	0.28	5090.	1.	5364.	0.	0.	0.	0.	0.
QT	8.	1424.	2268.	2642.	2642.	2642.	634.	1076.	1872.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4875.00	5025.00	0.00	0.00
XI	5452.	44.	4952.5	5024.5	318.	318.	318.	0.	0.	0.
GR	649.25	4282.	646.67	4330.	644.25	4375.	639.25	4470.	634.25	4525.
GR	629.25	4566.	624.25	4622.	619.25	4668.	619.25	4708.	619.25	4791.
GR	619.25	4833.	608.38	4902.49	608.38	4902.5	608.41	4908.	608.68	4952.49
GR	608.68	4952.5	607.53	4977.5	605.26	4990.5	605.11	4992.5	605.11	4992.51
GR	604.66	4995.99	604.86	4996.	604.86	4999.49	604.66	4999.5	604.86	5000.5
GR	604.86	5000.51	604.86	5003.99	604.86	5004.	605.26	5007.48	605.26	5007.49
GR	605.26	5007.5	607.66	5012.5	609.27	5024.49	609.27	5024.5	610.67	5052.49
GR	610.67	5032.5	613.97	5102.49	613.97	5102.5	619.25	5109.	624.25	5144.
GR	629.25	5200.	634.25	5265.	636.14	5302.5	639.25	5364.	0.	0.
MC										
NH	7.	1.	4833.	0.3	4908.	0.13	4992.5	0.06	5007.5	0.17
NH	5052.4	0.23	5090.	1.	5364.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4875.00	5025.00	0.00	0.00
XI	5512.	44.	4992.5	5607.5	60.	60.	60.	0.	0.	0.
XI	5512.	44.	4992.5	5607.5	60.	60.	60.	0.	0.	0.
XI	5512.	44.	4992.5	5607.5	60.	60.	60.	0.	0.	0.
XI	5512.	44.	4992.5	5607.5	60.	60.	60.	0.	0.	0.
GR	649.94	4282.	647.36	4330.	644.94	4375.	639.94	4470.	612.56	4525.
GR	629.94	4566.	624.94	4622.	619.94	4668.	619.94	4708.	619.94	4731.
GR	619.94	4833.	609.07	4902.49	609.07	4902.5	609.1	4908.	609.37	4952.49
GR	609.37	4952.5	608.22	4977.5	605.95	4990.5	605.8	4992.5	605.8	4992.51
GR	605.55	4995.99	605.55	4996.	605.55	4999.49	605.55	4999.5	605.55	5000.5
GR	605.55	5000.51	605.55	5003.99	605.55	5004.	605.95	5007.48	605.95	5007.49
GR	605.95	5007.5	602.35	5012.5	609.96	5024.49	609.96	5024.5	611.36	5052.49
GR	611.36	5032.5	614.66	5102.49	614.66	5102.5	619.94	5109.	624.94	5144.
GR	629.94	5200.	634.94	5265.	636.83	5302.5	639.94	5364.	0.	0.

NC	7.	1.	4917.	0.3	0.5	4981.	0.063	5013.	0.18
NH	5045.9	0.29	5080.	1.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	7.11	4855.00	5100.00	0.00	0.00
X1	11042.	61.	4981.	5013.	74.	74.	0.	0.	0.
X3	10.								
GR	669.93	3850.	667.16	3937.	665.5	662.06	632.14	632.14	4164.
GR	555.75	4245.	654.93	4261.	650.1	649.93	4097.	659.93	4420.
GR	643.68	4447.	639.93	4528.	634.87	634.87	4351.	644.93	4734.
GR	627.96	4895.98	627.96	4895.99	627.96	627.96	4896.01	628.08	4917.
GR	628.24	4943.	628.25	4946.	628.46	628.46	4980.99	626.28	4986.
GR	626.27	4986.01	624.32	4990.49	624.32	623.76	4993.	623.73	4994.99
GR	623.73	4995.	623.73	4995.5	623.73	623.67	4999.98	623.67	5003.
GR	623.72	5004.49	623.72	5004.5	623.76	627.96	5013.	628.26	5045.99
GR	628.26	5046.	628.53	5080.	628.66	628.66	5095.99	628.66	5096.
GR	628.56	5096.01	629.22	5127.	629.93	634.93	5265.	639.22	5337.
GR	639.93	5349.	644.	5428.	644.93	649.77	5539.	649.93	5542.
GR	654.93	5575.	656.72	5619.	653.2	659.93	5698.	664.38	5783.
GR	669.93	5889.	0.	0.	0.	0.	0.	0.	0.
SC	2.020	0.40	3.00	0.00	9.00	50.50	8.1	623.81	623.67
NH	7.	1.	4917.	0.29	4943.	4986.	0.063	5004.5	0.18
NH	5045.9	0.29	5080.	1.	5889.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	4855.00	5100.00	0.00	0.00

NC 73 - CULVERT

X1	11094.	61.	4986.	5004.5	51.5	51.5	0.00	0.	0.00
X2	0.00	0.00	2.00	632.67	634.19	0.00	0.00	0.00	0.00
X3	10.								
BT	-61.	3850.	670.16	670.14	3937.	667.37	634.19	634.63	665.71
BT	4097.	4097.	662.29	662.27	660.16	660.14	3989.	665.73	655.96
BT	4261.	4261.	655.16	655.14	650.33	650.31	4245.	655.98	650.14
BT	4420.	4420.	645.16	645.14	643.91	643.89	4528.	640.16	640.14
BT	4561.	4561.	635.16	635.14	635.1	635.08	4734.	634.58	630.14
BT	4895.98	4895.98	634.19	634.17	634.19	628.17	4896.	638.79	628.17
BT	4896.01	4896.01	638.79	638.77	638.84	628.29	4943.	638.89	628.45
BT	4946.	4946.	638.9	638.9	638.9	628.67	4981.	638.9	628.67
BT	4986.	4986.	638.9	4986.01	638.9	632.81	4990.49	638.91	632.81
BT	4990.5	4990.5	638.91	632.21	638.91	632.81	4994.99	638.91	632.81
BT	4995.	4995.	638.91	638.81	638.91	623.81	4995.51	638.91	632.81
BT	4999.98	4999.98	638.91	632.81	632.81	623.81	5004.49	638.92	632.81
BT	5004.5	5004.5	638.92	638.81	638.92	623.97	5013.	638.92	628.17
BT	5045.99	5045.99	638.95	628.47	638.95	628.47	5080.	639.14	628.74
BT	5095.98	5095.98	639.23	628.87	639.23	628.87	5096.	634.63	628.87
BT	5096.01	5096.01	634.63	629.87	635.	629.43	5166.	635.93	630.14
BT	5265.	5265.	638.29	635.14	640.	639.43	5349.	640.66	640.14
BT	5428.	5428.	645.	644.21	645.81	645.14	5539.	650.	649.98
BT	5542.	5542.	650.19	650.14	655.16	655.14	5819.	656.93	656.93
BT	5680.	5680.	660.	659.41	660.87	660.14	5783.	665.	664.59
BT	5889.	5889.	670.16	670.14	0.	0.	0.	0.	0.
GR	670.14	3850.	667.37	665.71	3989.	662.27	4097.	660.14	4164.
GR	655.96	4245.	655.14	650.31	4348.	645.14	4351.	645.14	4420.

GR	643.89	4447.	4528.	635.14	4561.	635.08	4563.	630.14	4734.
GR	628.17	4895.98	528.17	628.17	4896.	628.17	4896.01	628.29	4917.
GR	628.45	4943.	628.46	628.67	4980.99	628.67	4981.	623.81	4986.
GR	623.81	4986.01	623.81	623.81	4990.5	623.81	4993.	623.81	4994.99
GR	623.81	4935.	623.81	623.81	4995.51	623.81	4999.98	623.81	5000.
GR	623.81	5004.49	623.81	623.97	5008.	628.17	5013.	628.47	5045.99
GR	628.47	5046.	628.74	628.87	5095.98	628.87	5095.99	628.87	5096.
GR	628.87	5096.01	628.43	630.14	5166.	635.14	5265.	639.43	5337.
GR	640.14	5349.	644.21	645.14	5446.	649.98	5539.	650.14	5542.
GR	655.14	5575.	656.93	659.41	5680.	660.14	5698.	664.59	5783.
GR	670.14	5889.	0.	0.	0.	0.	0.	0.	0.
MH	7.	1.	4917.	4943.	0.18	4981.	0.063	5013.	0.18
MH	5045.9	0.20	5080.	5889.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.30	7.11	4855.00	5100.00	0.00	0.00
X1	11113.	61.	4981.	19.5	19.5	19.5	0.	0.	0.
GR	670.19	3850.	667.42	665.76	3989.	652.32	4097.	660.19	4164.
GR	656.01	4245.	655.19	650.36	4348.	650.19	4351.	645.19	4420.
GR	643.94	4447.	640.19	635.19	4561.	635.13	4563.	630.19	4734.
GR	628.22	4895.98	628.22	628.22	4896.	628.22	4896.01	628.34	4917.
GR	628.5	4943.	628.51	628.72	4980.99	628.72	4981.	626.54	4986.
GR	626.53	4986.01	624.58	624.58	4990.49	624.02	4993.	623.99	4994.99
GR	623.99	4995.	623.99	623.99	4995.51	623.93	4999.98	623.93	5000.
GR	623.99	5004.49	623.98	624.02	5008.	628.22	5013.	628.52	5045.99
GR	628.52	5046.	628.79	628.92	5095.98	628.92	5095.99	628.92	5096.
GR	628.92	5096.01	629.48	630.19	5166.	635.19	5265.	639.49	5337.
GR	640.19	5349.	644.26	645.19	5446.	650.03	5539.	650.19	5542.
GR	655.19	5575.	655.98	659.46	5680.	660.19	5698.	664.64	5783.
GR	670.19	5889.	0.	0.	0.	0.	0.	0.	0.
MC	7.	1.	0.3	0.3	0.18	4995.	0.063	5005.5	0.18
MH	5087.	0.29	4947.	5637.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	10.41	0.00	0.00	0.00	0.00

Cross Section 5.7
Cross Section L (HMM Draft)

X1	11799.	26.	4995.	685.25	685.25	685.25	4610.	0.	4637.
GR	670.	4487.	665.	660.	4572.	655.	4780.	650.	4912.
GR	645.	4670.	640.	635.	4734.	630.	4999.99	629.46	5000.
GR	629.32	4947.	629.12	628.82	4998.	628.22	5136.	628.22	5140.
GR	628.82	5001.5	628.92	629.57	5087.	629.97	5418.	650.	5558.
GR	635.	5222.	640.	645.	5394.	650.	0.	0.	0.
GR	650.	5637.	0.	0.	0.	0.	0.	0.	0.
MH	7.	1.	4912.	4939.	0.18	4995.	0.063	5005.5	0.18
MH	5046.	0.29	5074.	5368.	0.	0.	0.	0.	0.

GR 660.	5351.	6.5.	5429.	670.	5600.	675.	5695.	680.	5746.
NH 7.	1.	4907.	0.27	4942.	0.16	4995.	0.062	5011.	0.16
NH 5049.	0.27	5090.	1.	5517.	0.	0.	0.	0.	0.

Cross Section 8.0
Cross Section Q (HSM Draft)

X1 15024.	33.	4995.	5011.	616.	616.	516.	4632.	0.	4564.
GR 690.	4488.	675.	4551.	4608.	4608.	670.	4752.	665.	4907.
GR 660.	4604.	655.	4705.	4728.	4728.	640.83	4995.	640.83	4998.
GR 640.	4938.	639.91	4942.	4985.	4985.	639.05	5008.	639.15	5011.
GR 636.76	4999.99	636.75	5000.	5003.	5003.	637.95	5090.	645.	5209.
GR 538.85	5021.	640.	5031.	5049.	5049.	641.66	5329.	670.	5384.
GR 650.	5238.	655.	5257.	5298.	5298.	665.	0.	0.	0.
GR 675.	5408.	680.	5463.	5517.	5517.	0.	0.	0.	0.
NH 7.	1.	4907.	0.27	4943.	0.16	4995.	0.06	5011.	0.16
NH 5057.	0.27	5099.	1.	5604.	0.	0.	0.	0.	0.

Cross Section 8.5
Cross Section R (HSM Draft)

X1 15712.	33.	4995.	5011.	638.	688.	688.	4459.	0.	4607.
GR 690.	4110.	685.	4201.	4329.	4329.	680.	4792.	670.	4837.
GR 665.	4699.	660.	4734.	4761.	4761.	650.	4995.	645.	4998.
GR 642.74	4907.	641.58	4943.	4992.	4992.	640.07	5008.	638.97	5011.
GR 637.78	4999.99	637.77	5000.	5003.	5003.	638.97	5220.	650.	5240.
GR 540.	5018.	640.97	5057.	5099.	5099.	645.	5450.	675.	5487.
GR 655.	5284.	660.	5337.	5381.	5381.	670.	0.	0.	0.
GR 680.	5521.	685.	5564.	5604.	5604.	0.	0.	0.	0.
NH 7.	1.	4913.	0.27	4946.	0.16	4986.	0.06	5005.	0.17
NH 5060.	0.28	5096.	1.	5451.	0.	0.	0.	0.	0.

Cross Section 9.0
Cross Section S (HSM Draft)

X1 16421.	31.	4986.	5005.	709.	709.	709.	4625.	0.	4675.
GR 680.	4463.	675.	4540.	4571.	4571.	685.	4913.	660.	4937.
GR 655.	4707.	650.	4743.	4783.	4783.	643.84	4994.	643.82	4997.
SR 643.56	4946.	643.32	4986.	4993.	4993.	639.42	5005.	643.32	5015.
GR 638.82	4999.99	638.82	5000.	5003.	5003.	643.42	5218.	655.	5248.
GR 643.71	5050.	644.03	5096.	5207.	5207.	650.	5370.	680.	5415.
GR 660.	5278.	665.	5295.	5336.	5336.	675.	0.	0.	0.
GR 685.	5451.	0.	0.	0.	0.	0.	0.	0.	0.
NH 7.	1.	4906.	0.3	4947.	0.18	4989.	0.061	5017.	0.18
NH 5255.	0.3	5300.	1.	7289.	0.	0.	0.	0.	0.
X1 17595.	68.	4989.	5017.	1174.46	1174.46	1174.46	3954.	684.29	4008.
GR 699.54	4982.	687.03	3861.	3911.	3911.	685.3	4583.	664.54	4628.
GR 662.91	4982.	680.48	4213.	4532.	4532.	669.54	4901.	647.62	4906.
GR 659.54	4866.	654.54	4720.	4900.99	4900.99	647.64	4959.7	647.28	4959.75
GR 647.46	4947.	647.44	4950.99	4951.	4951.	647.28	0.	0.	0.

BT	5017.	651.7	647.13	5050.99	651.89	648.23	5051.	651.83	648.23
BT	5100.39	652.28	648.73	5101.	652.28	648.73	5275.	654.23	649.33
BT	5300.	654.51	649.42	5344.	655.	649.51	5536.	659.68	650.23
BT	5549.	660.	652.33	5567.	660.48	655.23	5586.	660.98	660.23
BT	5616.	665.25	665.23	5729.	670.25	670.23	5738.	670.58	670.56
BT	6097.	665.25	675.23	5888.	675.84	675.82	5966.	678.03	678.01
BT	6805.	681.72	681.7	6380.	689.68	689.66	6573.	695.11	695.09
BT	7168.	701.64	701.62	6955.	705.85	705.83	7058.	708.74	708.73
GR	3726.	711.85	711.83	7289.	715.25	715.23	0.	0.	0.
GR	4082.	687.72	3861.	686.79	3911.	685.99	3954.	684.98	4028.
GR	4666.	681.17	4213.	675.23	4532.	670.23	4583.	665.23	4678.
GR	4947.	655.23	4720.	648.33	4900.99	648.33	4901.	648.31	4906.
GR	4960.31	648.13	4950.99	648.13	4951.	647.97	4959.7	646.52	4959.75
GR	4963.13	644.57	4969.88	644.34	4961.44	644.27	4962.	644.34	4962.56
GR	4997.75	645.03	4963.69	646.52	4964.25	647.43	4988.99	647.43	4989.
GR	5002.25	643.99	4997.75	643.37	4998.5	643.17	4999.	643.07	4999.25
GR	5100.99	645.97	5003.	647.13	5017.	648.23	5050.99	643.37	5001.5
GR	5536.	648.73	5101.	649.33	5275.	649.42	5300.	648.23	5051.
GR	5729.	652.33	5549.	655.23	5567.	660.23	5586.	649.57	5344.
GR	6097.	670.56	5738.	675.23	5867.	675.82	5888.	665.23	5616.
GR	7058.	689.66	6380.	695.09	6573.	701.62	6805.	705.83	5966.
GR	711.83	711.83	7168.	715.23	7289.	0.	0.	0.	6955.
NH	7.	4905.	0.3	4947.	0.18	4989.	0.061	5017.	0.18
NH	5275.	5300.	1.	7289.	0.	0.	0.	0.	0.
X1	17798.	68.	5017.	28.01	29.01	29.01	0.	0.	0.
GR	690.18	3726.	3861.	686.74	3911.	685.94	3954.	684.93	4008.
GR	683.55	4082.	4213.	675.18	4532.	670.18	4583.	665.18	4628.
GR	660.18	4666.	4720.	648.28	4900.99	648.28	4901.	648.26	4906.
GR	648.1	4947.	4950.99	648.08	4951.	647.92	4959.7	647.92	4959.75
GR	647.91	4960.31	4960.88	647.89	4961.44	647.88	4962.	647.87	4962.56
GR	647.86	4963.13	4963.69	647.84	4964.25	647.38	4988.99	647.38	4989.
GR	644.62	4997.75	4997.75	644.1	4998.5	643.93	4999.	643.71	4999.25
GR	643.06	4999.98	5000.	643.63	5000.75	643.83	5001.	643.93	5001.5
GR	644.08	5002.25	5003.	647.08	5017.	648.18	5050.99	648.18	5051.
GR	648.68	5100.99	5101.	649.28	5275.	649.37	5300.	649.52	5344.
GR	650.18	5536.	5549.	655.18	5567.	660.18	5586.	665.18	5616.
GR	670.18	5729.	5738.	675.18	5867.	675.77	5888.	677.96	5966.
GR	681.65	6097.	6380.	695.04	6573.	701.57	6805.	705.78	6955.
GR	708.68	7058.	7168.	715.18	7289.	0.	0.	0.	0.
NC	7.	4905.	0.3	4947.	0.18	4989.	0.061	5017.	0.18
NH	5056.	1.	0.3	4936.	0.18	4991.	0.	5007.	0.18
NH	5056.	5098.	1.	5467.	0.	0.	0.	0.	0.

Cross Section 9.7
 Cross Section T (HSMH Draft)

X1	18414.	24.	4991.	5607.	615.49	615.49	0.	0.	4799.
GR	675.	4480.	670.	4538.	665.	660.	4708.	655.	647.02
GR	652.19	4904.	651.34	4936.	650.	649.92	4991.	645.02	4993.
GR	646.02	4997.	645.02	4998.	644.52	644.52	5000.	645.02	5004.
GR	649.12	5007.	650.	5019.	650.84	651.79	5098.	655.	5240.

GR 560.	5251.	665.	5309.	670.	5359.	675.	5457.	0.	0.
NH 7.	1.	4904.	0.3	4936.	0.18	4991.	0.065	5007.	0.18
NH 5047.	0.3	5095.	1.	5465.	0.	0.	0.	0.	0.

Cross Section 10.0
Cross Section U (HSMH Draft)

X1 18975.	23.	4991.	5007.	561.	561.	561.	4871.	0.	4904.
GR 675.	4555.	670.	4631.	660.	4799.	655.	4993.	652.54	4997.
GR 650.16	4936.	650.26	4972.	651.26	4991.	648.36	5007.	647.36	5017.
GR 646.36	4998.	645.86	5000.	5004.	5004.	650.46	5007.	650.86	5384.
GR 650.26	5037.	650.66	5047.	651.42	5098.	655.	5340.	660.	0.
GR 665.	5409.	670.	5425.	675.	5465.	0.	0.	0.	0.
NH 7.	1.	4895.	0.31	4934.	0.19	4991.	0.07	5007.	0.19
NH 5054.	0.31	5093.	1.	5748.	0.	0.	0.	0.	0.

Cross Section 10.5
Cross Section V (HSMH Draft)

X1 19747.	32.	4991.	5007.	772.	772.	772.	4560.	0.	4602.
GR 700.	4443.	695.	4483.	690.	4523.	685.	4799.	680.	4895.
GR 675.	4637.	670.	4670.	665.	4729.	660.	4991.	656.47	4997.
GR 655.17	4934.	655.	4939.	656.42	4991.	653.52	4993.	652.52	5007.
GR 651.52	4998.	651.02	4999.99	651.02	5000.	651.52	5004.	655.62	5256.
GR 655.44	5034.	655.29	5093.	655.	5170.	660.	5230.	665.	5497.
GR 670.	5288.	675.	5316.	680.	5346.	685.	5401.	690.	0.
GR 695.	5590.	700.	5748.	0.	0.	0.	0.	0.	0.
NH 7.	1.	4918.	0.32	4950.	0.2	4996.	0.075	5012.	0.2
NH 5062.	0.32	5100.	1.	5637.	0.	0.	0.	0.	0.

Cross Section 11.0
Cross Section W (HSMH Draft)

X1 20402.	30.	4995.	5012.	655.	655.	655.	4569.	0.	4621.
GR 700.	4246.	695.	4355.	690.	4465.	685.	4844.	680.	4918.
GR 675.	4661.	670.	4738.	665.	4798.	660.	4997.	658.04	4999.99
GR 657.2	4950.	656.59	4973.	656.49	4996.	655.89	5022.	655.39	5062.
GR 655.39	5000.	655.89	5011.	657.29	5012.	657.19	5284.	657.92	5329.
GR 658.62	5100.	660.	5175.	665.	5245.	670.	5568.	675.	5637.
GR 680.	5359.	685.	5438.	690.	5519.	695.	700.	700.	0.
NH 7.	1.	4894.	0.32	4943.	0.2	4990.	0.075	5011.	0.2
NH 5048.9	0.32	5077.	1.084.	5829.	0.	0.	0.	0.	0.
QT 8.	518.	923.	1084.	1575.	1084.	178.	359.	748.	0.
ET 0.00	0.00	0.00	0.00	0.00	7.11	4875.00	5025.00	0.00	0.00
X1 21007.	65.	4990.	5011.	605.5	605.5	605.5	4347.	0.	4357.
GR 699.33	4233.	694.66	4303.	694.33	4308.	689.33	4556.	688.62	4583.
GR 684.33	4417.	680.9	4463.	679.33	4484.	674.33	4843.	671.83	4894.
GR 669.33	4610.	667.3	4647.	664.33	4701.	662.72	4948.99	662.15	4949.
GR 662.09	4598.99	662.09	4899.	661.03	4943.	660.89	4995.88	660.89	4996.25
GR 662.09	4990.	670.39	4994.	660.09	4995.5	660.01	4995.88	559.84	0.

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GR	659.86	4996.63	659.79	4996.99	659.79	4997.	659.77	4997.38	659.75	4997.75
GR	659.72	4998.13	659.7	4998.5	659.59	5000.5	659.55	5001.13	659.51	5001.75
GR	659.48	5002.38	659.44	5002.99	659.44	5003.	659.54	5003.63	659.64	5004.25
GR	659.74	5005.88	659.89	5005.5	660.39	5009.	661.89	5011.	662.57	5024.
GR	663.89	5048.99	663.89	5049.	665.32	5077.	666.19	5093.99	356.19	5094.
GR	674.33	5128.	679.33	5167.	680.26	5184.	684.33	5258.	684.93	5263.
GR	689.33	5300.	691.05	5330.	694.33	5387.	698.58	5461.	699.33	5474.
GR	700.89	5511.	704.27	5591.	707.99	5679.	711.29	5757.	714.33	5829.
MC	7.	1.	4894.	0.3	0.5	0.2	4990.	0.075	5011.	0.2
NH	5048.9	0.32	5077.	1.	5829.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4875.00	5025.00	0.00	0.00
X1	21047.	65.	4990.	5011.	40.	40.	40.	0.	0.	0.
X3	10.									
GR	699.59	4233.	694.92	4303.	694.59	4308.	689.59	4347.	688.88	4357.
GR	684.59	4417.	681.16	4463.	679.59	4484.	674.59	4556.	672.09	4583.
GR	669.59	4610.	667.56	4647.	664.59	4701.	662.98	4843.	662.41	4894.
GR	662.35	4898.99	662.35	4899.	661.29	4943.	661.15	4948.99	661.15	4949.
GR	662.35	4990.	660.65	4994.	660.35	4995.5	660.27	4995.88	660.2	4996.25
GR	600.22	4996.63	660.05	4996.99	660.05	4997.	660.03	4997.38	660.01	4997.75
GR	659.93	4998.13	659.96	4998.5	659.85	5000.5	659.81	5001.13	659.77	5001.75
GR	659.74	5002.38	659.7	5002.99	659.7	5003.	659.8	5003.63	659.9	5004.25
GR	660.	5004.88	660.1	5005.5	660.65	5009.	662.15	5011.	662.83	5024.
GR	664.15	5048.99	664.15	5049.	665.58	5077.	666.45	5093.99	666.45	5094.
GR	674.59	5128.	679.59	5167.	680.52	5184.	684.59	5258.	685.19	5263.
GR	689.59	5300.	691.31	5330.	694.59	5387.	698.84	5461.	699.59	5474.
GR	701.15	5511.	704.53	5591.	708.25	5679.	711.55	5757.	714.59	5829.

SB	1.25	2.46	2.60	0.00	8.00	2.00	26.70	0.09	660.51	659.71
NH	7.	1.	4894.	0.32	4943.	0.2	4995.5	0.075	5005.5	0.2
NH	1048.9	0.32	5077.	1.	5829.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4875.00	5025.00	0.00	0.00

DOEWOOD BOULEVARD (SR 1838)

X1	21097.	65.	4995.5	5005.5	50.	50.	50.	0.00	0.00	0.00
X2	0.00	0.00	1.00	66.71	665.00	0.00	0.00	0.	0.	0.00
X3	10.									
BT	65.	4233.	700.82	700.8	4303.	700.	696.13	4308.	696.51	695.8
BT	65.	4347.	695.93	690.8	4357.	695.	690.09	4417.	689.34	685.8
BT	65.	4463.	685.	682.37	4484.	683.25	680.8	4556.	677.25	675.8
BT	65.	4583.	675.	673.3	4610.	672.89	670.8	4647.	670.	668.77
BT	65.	4701.	668.62	665.8	4843.	665.	664.19	4894.	666.06	663.62
BT	65.	4898.99	666.16	663.56	4899.	665.16	663.56	4943.	665.42	662.5
BT	65.	4948.99	666.46	662.36	4948.	666.46	662.36	4990.	667.49	663.56
BT	65.	4994.	667.59	661.86	4995.5	667.53	662.24	4995.88	667.67	663.23
BT	65.	4996.25	667.65	663.54	4996.63	667.66	663.69	4996.99	667.67	663.74
BT	65.	4997.	667.67	663.74	4997.38	667.68	663.69	4997.75	667.59	663.54
BT	65.	5001.13	667.77	663.23	4998.5	667.71	662.24	5000.5	667.76	663.01
BT	65.	5002.99	667.82	664.66	5001.75	667.79	665.18	5002.38	667.81	665.43
BT	65.	5004.25	667.85	665.51	5003.	667.82	665.51	5003.63	667.84	665.43
BT	65.	5009.	667.97	661.66	5004.88	667.87	664.66	5005.5	667.88	665.43
BT	65.	5009.	667.97	661.66	5011.	668.02	663.36	5024.	668.35	664.04

BT	5048.99	669.49	5049.	659.49	665.36	5049.	659.49	665.36	5077.	670.9	666.79
BT	5093.99	671.76	5094.	671.76	667.66	5094.	671.76	667.66	5128.	675.8	675.8
BT	5187.	680.82	5184.	681.75	680.8	5184.	681.75	681.75	5258.	685.82	685.8
BT	5263.	686.42	5300.	690.82	685.4	5300.	690.82	690.8	5330.	692.54	692.52
BT	5387.	695.82	5461.	700.07	695.8	5461.	700.07	700.05	5474.	709.82	700.8
BT	5511.	702.38	5591.	705.76	702.36	5591.	705.76	705.74	5679.	709.48	709.46
BT	5757.	712.76	5829.	715.02	712.76	5829.	715.02	715.8	0.	0.	0.
GR	4233.	696.12	4303.	695.8	696.12	4303.	695.8	690.8	4347.	690.09	4357.
GR	4417.	682.37	4463.	680.8	682.37	4463.	680.8	675.8	4556.	673.3	4583.
GR	4610.	668.77	4647.	665.8	668.77	4647.	665.8	664.19	4843.	663.62	4894.
GR	4898.99	663.56	4899.	662.5	4899.	662.5	4943.	662.36	4948.99	662.36	4949.
GR	4990.	661.86	4994.	662.24	4994.	662.24	4995.5	661.25	4995.86	660.94	4996.25
GR	4996.63	660.74	4996.99	4997.	660.74	4996.99	4997.	660.79	4997.3	660.94	4997.75
GR	4998.13	662.24	4998.5	5000.5	663.01	5000.5	5000.5	661.36	5001.13	660.84	5001.75
GR	5002.38	660.51	5002.99	5003.	5002.99	5003.	5009.	660.59	5003.63	660.84	5004.25
GR	5004.88	663.01	5005.5	5009.	663.01	5009.	5009.	663.36	5011.	664.04	5024.
GR	5048.99	665.36	5049.	5049.	666.79	5049.	5077.	667.66	5093.99	667.66	5094.
GR	5128.	680.8	5167.	681.73	681.73	5167.	685.8	685.8	5258.	686.4	5263.
GR	5300.	692.52	5330.	695.8	5330.	695.8	5387.	700.05	5461.	700.8	5474.
GR	5511.	705.74	5591.	709.46	5591.	709.46	5679.	712.76	5757.	715.8	5829.
NH	7.	4894.	4943.	0.2	4943.	0.2	4890.	4890.	0.075	5011.	0.2
NH	5048.9	5077.	5829.	0.	5829.	0.	4875.00	0.	0.	0.	0.
ET	0.00	0.00	0.00	7.11	0.00	0.00	4875.00	0.	0.	0.00	0.00
X1	21108.	65.	4990.	11.	5011.	11.	11.	11.	5025.00	0.	0.00
GR	700.86	4233.	695.19	4306.	695.86	4306.	690.86	690.86	4347.	690.15	4357.
GR	685.86	4417.	682.43	4484.	680.86	4484.	675.86	675.86	4556.	673.36	4583.
GR	670.86	4510.	668.63	4701.	665.85	4701.	664.25	664.25	4843.	663.68	4894.
GR	663.62	4898.99	663.62	4943.	662.56	4943.	662.42	662.42	4948.99	662.42	4949.
GR	661.39	4990.	661.92	4995.	661.92	4995.	661.54	661.54	4995.88	661.47	4996.25
GR	661.25	4996.63	661.32	4997.	4996.99	661.32	4997.	661.3	4997.38	661.28	4997.75
GR	661.01	4998.13	661.23	5000.5	4998.5	661.23	5000.5	661.08	5001.13	661.04	5001.75
GR	661.27	5002.38	660.97	5003.	5002.99	660.97	5003.	661.07	5003.63	661.17	5004.25
GR	665.42	5004.88	661.37	5005.5	661.37	5005.5	663.42	663.42	5011.	664.1	5024.
GR	675.86	5048.99	665.42	5049.	666.79	5049.	667.72	667.72	5093.99	667.72	5094.
GR	690.86	5128.	680.86	5167.	681.79	5167.	685.86	685.86	5258.	686.4	5263.
GR	702.42	5300.	692.58	5387.	695.86	5387.	700.11	700.11	5461.	700.8	5474.
GR	702.42	5511.	705.8	5591.	709.46	5591.	712.82	712.82	5757.	715.8	5829.
HC				0.1							
				0.3							

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T1 Hayes, Seay, Mattern & Mattern Cabarrus County, NC FIS
T2 Proj. No: EMW-90-C-3101 Eng:LJM/EKL ET:TFH Comm. No. 2373
T3 Afton Run (AR.IN) Date: 10/09/91 50-Year Event

J1	ICHECK	INQ	HINV	IDIR	STRT	METRIC	HVINS	Q	VSEL	FQ
	3.0			0.0023					595.0	
J2	NPRDF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
2.		-1.0								

T1 Hayec, Seay, Mattern & Mattern Cabarrus County, NC FIS
T2 Proj. No. EMW-90-C-3101 Eng:LJM/EKL ET:TFH Comm. No. 2373
T3 Afton Run (AR.IK) Date: 10/09/91 100-Year Event

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ
4.0 0.0023 595.0

J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE

3. -1.0

T1	Hayes, Seay, Mattern & Mattern	Cabarrus County, NC FIS
T2	Proj. No. EMW-90-C-3101 Eng:LJM/EKL ET:TFH	Comm. No. 2373
T3	Afton Run (AR.IN) Date: 10/09/91	500-Year Event

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	5.0			0.0023					595.0	

J2	NPROF	IPLDT	PRFVS	XSECV	XSECH	FN	ALLOC	IBW	CHNIM	ITRACE
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15. -1.0

THIS RUN EXECUTED 09OCT91 15:04:29

 HEC-2 WATER SURFACE PROFILES

Version 4.6.2; May 1991

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

Afton Run (AR.IN)

SUMMARY PRINTOUT TABLE 101

SECKO	E555	ELLC	EGIC	ELTRD	QCULV	QWEIR	CLASS	HA	DEPTH	CWSEL	VCH	EG
313.000	642.79	595.79	666.74	594.94	429.36	1210.63	16.00	.00	9.76	597.55	4.26	597.61
313.000	709.77	595.79	775.34	594.94	489.50	2030.32	16.00	.00	10.97	598.76	4.55	598.82
313.000	750.66	595.79	842.09	594.94	506.11	2477.91	16.00	.00	11.45	599.24	4.69	599.30
313.000	911.84	595.79	1106.01	594.94	550.19	3692.78	16.00	.00	12.80	600.59	4.98	600.65
* 4454.500	611.90	611.13	610.94	640.00	1626.00	.00	7.00	1.25	9.42	610.85	8.25	611.90
* 4454.500	612.63	611.13	615.75	640.00	2545.00	.00	6.00	2.77	12.96	614.39	9.37	615.75
* 4454.500	614.11	611.13	618.02	640.00	2972.00	.00	6.00	3.85	15.25	616.68	9.30	618.02
* 4454.500	626.03	611.13	626.99	640.00	4260.00	.00	6.00	9.34	24.49	625.92	8.29	626.99
* 5691.000	619.85	613.70	618.36	616.76	1181.40	233.45	17.00	3.86	12.36	618.02	2.33	618.05
* 5691.000	531.90	613.70	627.93	616.76	867.73	1393.37	17.00	2.05	13.57	619.33	3.19	619.38
* 5691.000	639.02	613.70	633.56	616.76	523.45	2138.52	17.00	.70	14.18	619.84	3.52	619.91
* 5691.000	667.92	613.70	655.67	616.76	55.53	3673.61	17.00	.00	21.81	627.47	2.54	627.50
* 11094.000	632.99	632.67	632.13	634.19	1201.00	.00	7.00	1.39	8.21	632.02	7.90	632.99
* 11094.000	633.85	632.67	636.57	634.19	1742.23	208.98	16.00	2.16	10.97	634.78	4.22	634.91
* 11094.000	637.73	632.67	638.41	634.19	1765.48	457.38	16.00	1.91	11.21	635.02	4.70	635.17
* 11094.000	643.63	632.67	645.42	634.19	1822.19	1317.17	16.00	1.07	11.68	635.49	6.11	635.74

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Afton Run (AR.IN)

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
286.003	.00	.00	.00	587.68	1626.00	597.42	.00	57.61	23.19	4.13	1547.96	337.64
286.006	.00	.00	.00	587.68	2545.00	598.61	.00	598.82	23.18	4.73	2326.98	528.63
286.000	.00	.00	.00	587.68	2972.00	599.07	.00	599.30	23.37	4.93	2649.20	614.73
286.000	.00	.00	.00	587.68	4260.00	600.39	.00	600.65	22.95	5.46	3604.72	889.25
313.000	27.00	594.94	595.79	587.79	1626.00	597.55	.00	597.61	38.21	4.26	1907.22	263.03
313.000	27.00	594.94	595.79	587.79	2545.00	598.76	.00	598.82	36.75	4.55	2734.09	419.82
313.000	27.00	594.94	595.79	587.79	2972.00	599.24	.00	599.30	36.66	4.69	3076.67	490.88
313.000	27.00	594.94	595.79	587.79	4260.00	600.59	.00	600.65	35.17	4.98	4091.57	718.34
321.500	8.50	.00	.00	587.81	1626.00	597.51	.00	597.70	24.06	4.19	1520.62	331.46
321.500	8.50	.00	.00	587.81	2545.00	598.71	.00	598.93	23.61	4.73	2308.20	523.73
321.500	8.50	.00	.00	587.81	2972.00	599.18	.00	599.41	23.68	4.95	2634.72	610.78
321.500	8.50	.00	.00	587.81	4260.00	600.51	.00	600.77	23.03	5.47	3599.65	887.73
1225.000	903.50	.00	.00	589.71	1626.00	599.21	.00	599.34	14.06	3.91	1739.44	433.66
1225.000	903.50	.00	.00	589.71	2545.00	600.51	.00	600.66	15.60	4.59	2474.50	640.17
1225.000	903.50	.00	.00	589.71	2972.00	601.02	.00	601.19	16.44	4.86	2778.32	733.09
1225.000	903.50	.00	.00	589.71	4260.00	602.40	.00	602.60	17.83	5.53	3607.59	1008.90
* 2183.000	958.00	.00	.00	592.53	1626.00	600.99	.00	601.45	34.68	5.76	482.42	276.11
* 2183.000	958.00	.00	.00	592.53	2545.00	602.43	.00	603.01	37.44	6.80	755.67	415.93
* 2183.000	958.00	.00	.00	592.53	2972.00	603.00	.00	603.63	38.50	7.20	871.29	478.98
* 2183.000	958.00	.00	.00	592.53	4260.00	604.48	.00	605.25	40.90	8.23	1197.27	666.14
3020.000	837.00	.00	.00	595.00	1626.00	603.59	.00	603.85	23.60	4.74	600.41	333.32
3020.000	837.00	.00	.00	595.00	2545.00	605.18	.00	605.49	23.55	5.41	869.41	524.38
3020.000	837.00	.00	.00	595.00	2972.00	605.81	.00	606.15	23.57	5.67	985.01	612.17
3020.000	837.00	.00	.00	595.00	4260.00	607.46	.00	607.85	23.78	6.36	1319.41	873.67
* 3596.000	576.00	.00	.00	598.31	1626.00	605.64	.00	606.42	92.69	7.97	488.52	168.89
* 3596.000	576.00	.00	.00	598.31	2545.00	607.12	.00	607.85	74.95	8.34	892.23	293.98
* 3596.000	576.00	.00	.00	598.31	2972.00	607.72	.00	608.42	69.43	8.47	1073.08	356.68
* 3596.000	576.00	.00	.00	598.31	4260.00	609.31	.00	609.99	58.89	8.83	1601.18	555.12
* 4206.400	610.46	.00	.00	600.71	1626.00	609.30	.00	609.55	31.54	4.01	549.32	289.52
* 4206.400	610.46	.00	.00	600.71	2545.00	610.56	.00	610.92	35.45	4.93	834.73	427.45
4206.400	610.46	.00	.00	600.71	2972.00	611.06	.00	611.47	36.99	5.30	959.45	488.65
4206.400	610.46	.00	.00	600.71	4260.00	612.39	.00	612.95	40.46	6.24	1325.25	669.73
* 4290.500	84.04	.00	.00	601.04	1626.00	609.09	.00	610.65	107.22	10.02	162.28	157.03
* 4290.500	84.04	.00	.00	601.04	2545.00	609.69	.00	612.98	205.37	14.57	174.71	177.59
* 4290.500	84.04	.00	.00	601.04	2972.00	609.89	609.89	614.17	258.39	16.60	178.98	184.89
* 4290.500	84.04	.00	.00	601.04	4260.00	612.22	612.22	617.65	237.49	18.70	227.84	276.43

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CVSEL	CRISW	EG	10*KS	VCH	AREA	.DIK
* 4454.500	164.00	640.00	611.13	601.43	1626.00	610.85	.00	611.90	57.34	8.25	197.20	214.73
* 4454.500	164.00	640.00	611.13	601.43	2545.00	614.39	.00	615.75	48.31	9.37	271.63	366.17
* 4454.500	164.00	640.00	611.13	601.43	2972.00	616.68	.00	618.02	38.28	9.30	319.68	480.38
* 4454.500	164.00	640.00	611.13	601.43	4260.00	625.92	.00	626.99	16.17	8.29	513.78	1059.32
* 4475.500	22.01	.00	.00	601.35	1626.00	612.12	.00	612.23	8.96	2.71	1070.23	543.29
* 4476.500	22.01	.00	.00	601.36	2545.00	616.06	.00	616.16	4.69	2.62	2335.79	1175.30
* 4476.500	22.01	.00	.00	601.36	2972.00	619.33	.00	618.42	3.30	2.48	3241.88	1636.95
* 4476.500	22.01	.00	.00	601.36	4260.00	627.25	.00	627.30	1.08	2.00	7711.70	4094.01
* 5134.000	657.49	.00	.00	601.20	1626.00	612.93	.00	613.58	54.19	7.09	345.80	220.89
* 5134.000	657.49	.00	.00	601.20	2545.00	616.41	.00	616.94	32.77	6.85	1053.92	444.60
* 5134.000	657.49	.00	.00	601.20	2972.00	618.58	.00	618.94	20.12	5.97	1954.17	662.52
* 5134.000	657.49	.00	.00	601.20	4260.00	627.34	.00	627.44	4.10	3.68	6319.69	2104.18
* 5452.000	318.00	.00	.00	604.66	1424.00	614.04	.00	614.10	6.04	2.22	1085.17	579.64
* 5452.000	318.00	.00	.00	604.86	2268.00	617.21	.00	617.28	3.97	2.30	1872.78	1138.70
* 5452.000	318.00	.00	.00	604.86	2642.00	619.11	.00	619.17	2.91	2.21	2381.60	1550.03
* 5452.000	318.00	.00	.00	604.86	3766.00	627.47	.00	627.49	.84	1.66	6621.01	4109.61
* 5512.000	60.00	.00	.00	605.55	1424.00	614.07	.00	614.19	17.34	4.27	932.79	341.92
* 5512.000	60.00	.00	.00	605.55	2268.00	617.23	.00	617.33	10.36	4.08	1700.01	704.78
* 5512.000	60.00	.00	.00	605.55	2642.00	619.13	.00	619.21	7.29	3.74	2197.99	978.76
* 5512.000	60.00	.00	.00	605.55	3766.00	627.47	.00	627.50	1.85	2.63	6225.05	2756.94
* 5691.000	179.00	616.76	613.70	605.66	1424.00	618.02	.00	618.05	3.09	2.33	1898.55	810.58
* 5691.000	179.00	616.76	613.70	605.66	2268.00	619.34	.00	619.38	5.08	3.19	2246.28	1606.35
* 5691.000	179.00	616.76	613.70	605.66	2642.00	619.84	.00	619.91	5.88	3.52	2388.24	1089.69
* 5691.000	179.00	616.76	613.70	605.66	3766.00	627.47	.00	627.50	1.86	2.64	6210.80	2760.00
* 5707.000	16.00	.00	.00	605.71	1424.00	618.03	.00	618.05	1.58	1.45	1665.57	1133.12
* 5707.000	16.00	.00	.00	605.71	2268.00	619.34	.00	619.39	2.59	2.01	2211.00	1408.40
* 5707.000	16.00	.00	.00	605.71	2642.00	619.86	.00	619.92	3.00	2.23	2351.96	1525.19
* 5707.000	16.00	.00	.00	605.71	3766.00	627.47	.00	627.51	.98	1.77	6131.06	3802.03
* 6550.000	843.00	.00	.00	608.54	1424.00	618.27	.00	618.37	13.62	3.44	1419.01	385.91
* 6550.000	843.00	.00	.00	608.54	2268.00	619.72	.00	619.87	16.65	4.25	1937.04	555.82
* 6550.000	843.00	.00	.00	608.54	2642.00	620.29	.00	620.46	17.55	4.54	2151.83	630.68
* 6550.000	843.00	.00	.00	608.54	3766.00	627.60	.00	627.66	3.73	3.02	5878.02	1950.83
* 7475.000	925.00	.00	.00	611.64	1424.00	619.72	.00	619.80	17.41	3.33	1955.16	341.25
* 7475.000	925.00	.00	.00	611.64	2268.00	621.33	.00	621.42	16.71	3.79	2839.61	554.85
* 7475.000	925.00	.00	.00	611.64	2642.00	621.95	.00	622.04	16.55	3.97	3193.57	649.45
* 7475.000	925.00	.00	.00	611.64	3766.00	627.98	.00	628.02	4.00	2.79	6948.39	1823.76
* 8114.000	639.00	.00	.00	613.79	1424.00	621.36	.00	621.53	46.00	5.38	934.76	209.95
* 8114.000	639.00	.00	.00	613.79	2268.00	622.85	.00	623.02	40.13	5.77	1461.94	358.03
* 8114.000	639.00	.00	.00	613.79	2642.00	623.44	.00	623.60	38.48	5.92	1684.27	425.91
* 8114.000	639.00	.00	.00	613.79	3766.00	628.35	.00	628.41	10.06	4.10	3846.25	1187.56

SECNO	XLCH	ELTRO	ELLC	ELMIN	Q	CNSEL	CRWS	EG	10*KS	VCH	AREA	.01K
8592.000	478.00	.00	.00	615.39	1424.00	623.22	.00	623.31	30.73	4.51	1575.48	256.89
8592.000	478.00	.00	.00	615.39	2268.00	624.59	.00	624.70	31.12	5.14	2287.64	406.57
8592.000	478.00	.00	.00	615.39	2642.00	625.14	.00	625.25	30.98	5.35	2591.22	474.70
8592.000	478.00	.00	.00	615.39	3766.00	628.88	.00	628.94	12.42	4.31	4983.41	1066.81
9298.000	706.00	.00	.00	617.54	1424.00	625.22	.00	625.29	25.45	4.04	1623.19	282.27
9298.000	706.00	.00	.00	617.54	2268.00	626.64	.00	626.72	26.23	4.67	2446.81	442.85
9298.000	706.00	.00	.00	617.54	2642.00	627.18	.00	627.27	26.43	4.90	2781.11	513.95
9298.000	706.00	.00	.00	617.54	3766.00	625.88	.00	629.95	16.49	4.65	4528.25	927.47
9760.000	462.00	.00	.00	619.77	1424.00	626.62	.00	626.76	39.68	4.63	1293.25	226.05
9760.000	462.00	.00	.00	619.77	2268.00	628.02	.00	628.18	37.42	5.21	1932.07	370.76
9760.000	462.00	.00	.00	619.77	2642.00	628.57	.00	628.73	36.89	5.43	2189.05	434.99
9760.000	462.00	.00	.00	619.77	3766.00	630.77	.00	630.91	25.95	5.39	3282.11	739.28
10968.000	1208.75	.00	.00	623.44	1201.00	630.89	.00	631.09	31.71	4.29	1201.26	213.26
10968.000	1208.75	.00	.00	623.44	1933.00	632.25	.00	632.50	33.44	5.02	1924.25	334.26
10968.000	1208.75	.00	.00	623.44	2234.00	632.76	.00	633.02	33.42	5.24	2220.57	386.46
10968.000	1208.75	.00	.00	623.44	3126.00	634.14	.00	634.43	32.66	5.75	3096.92	547.02
* 11042.000	74.00	.00	.00	623.67	1201.00	631.03	.00	631.61	65.21	6.09	197.12	148.73
11042.000	74.00	.00	.00	623.67	1933.00	632.50	.00	632.74	32.96	5.00	1936.25	336.69
11042.000	74.00	.00	.00	623.67	2234.00	633.01	.00	633.26	32.97	5.22	2235.22	389.07
11042.000	74.00	.00	.00	623.67	3126.00	634.39	.00	634.67	32.40	5.74	3108.26	549.14
* 11094.000	51.50	634.19	632.67	623.81	1201.00	632.02	.00	632.99	67.69	7.90	151.99	145.97
* 11094.000	51.50	634.19	632.67	623.81	1933.00	634.78	.00	634.91	13.15	4.22	3255.90	532.99
* 11094.000	51.50	634.19	632.67	623.81	2234.00	635.02	.00	635.17	15.85	4.70	3419.11	561.17
* 11094.000	51.50	634.19	632.67	623.81	3126.00	635.49	.00	635.74	25.34	6.11	3754.63	621.04
* 11113.000	19.50	.00	.00	623.93	1201.00	633.23	.00	633.30	9.77	2.83	2208.49	384.31
11113.000	19.50	.00	.00	623.93	1933.00	634.04	.00	634.94	11.38	3.44	3235.56	573.10
11113.000	19.50	.00	.00	623.93	2234.00	635.08	.00	635.21	13.62	3.83	3405.64	605.32
11113.000	19.50	.00	.00	623.93	3126.00	635.60	.00	635.80	21.29	4.96	3774.39	677.52
11799.000	685.25	.00	.00	628.22	1201.00	634.18	.00	634.21	18.65	3.09	1909.72	278.12
11799.000	685.25	.00	.00	628.22	1933.00	635.87	.00	635.90	17.54	3.59	2730.03	461.53
11799.000	685.25	.00	.00	628.22	2234.00	636.27	.00	636.31	19.06	3.89	2935.60	511.65
11799.000	685.25	.00	.00	628.22	3126.00	637.29	.00	637.34	23.39	4.69	3462.15	646.36
* 12740.000	941.00	.00	.00	634.10	1201.00	637.95	636.26	638.08	150.82	6.32	932.75	97.79
* 12740.000	941.00	.00	.00	634.10	1933.00	639.25	.00	639.42	122.70	7.12	1357.90	174.50
* 12740.000	941.00	.00	.00	634.10	2234.00	639.78	.00	639.96	112.65	7.33	1535.19	210.48
* 12740.000	941.00	.00	.00	634.10	3126.00	641.14	.00	641.34	96.66	7.95	2011.74	317.96
* 13310.000	570.00	.00	.00	634.20	1201.00	640.09	.00	640.11	15.36	2.83	2259.66	306.43
* 13310.000	570.00	.00	.00	634.20	1933.00	641.49	.00	641.52	17.32	3.51	2991.01	464.47
* 13310.000	570.00	.00	.00	634.20	2234.00	642.01	.00	642.05	17.77	3.73	3271.40	525.95
* 13310.000	570.00	.00	.00	634.20	3126.00	643.39	.00	643.43	16.89	4.32	4032.43	719.23

SECH0	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.0IK
* 13892.000	582.00	.00	.00	635.06	1201.00	641.34	.00	641.40	34.15	4.26	1071.06	205.52
13892.000	582.00	.00	.00	635.06	1933.00	642.81	.00	642.88	32.80	4.88	1592.25	337.53
13892.000	582.00	.00	.00	635.06	2234.00	643.35	.00	643.43	32.41	5.10	1794.88	392.39
13892.000	582.00	.00	.00	635.06	3126.00	644.76	.00	644.85	31.87	5.67	2362.36	552.75
14408.000	516.00	.00	.00	635.83	1201.00	642.63	.00	642.66	18.23	3.30	1523.53	281.26
14408.000	516.00	.00	.00	635.83	1933.00	644.11	.00	644.15	19.04	3.90	2131.26	443.05
14408.000	516.00	.00	.00	635.83	2234.00	644.65	.00	644.70	19.23	4.11	2361.71	509.41
14408.000	516.00	.00	.00	635.83	3126.00	646.07	.00	646.13	19.68	4.63	3000.52	704.59
15024.000	616.00	.00	.00	636.75	1201.00	644.00	.00	644.11	30.56	4.32	1041.15	217.25
15024.000	616.00	.00	.00	636.75	1933.00	645.50	.00	645.63	29.93	4.94	1691.99	353.33
15024.000	616.00	.00	.00	636.75	2234.00	646.04	.00	646.18	29.62	5.14	1942.42	410.48
15024.000	616.00	.00	.00	636.75	3126.00	647.47	.00	647.61	29.10	5.67	2618.32	579.49
15712.000	688.00	.00	.00	637.77	1201.00	645.65	.00	645.73	18.45	3.70	1292.37	279.62
15712.000	688.00	.00	.00	637.77	1933.00	647.18	.00	647.27	19.44	4.35	1910.24	438.37
15712.000	688.00	.00	.00	637.77	2234.00	647.73	.00	647.83	19.91	4.58	2132.11	500.71
15712.000	688.00	.00	.00	637.77	3126.00	649.17	.00	649.29	20.69	5.17	2751.64	687.20
16421.000	709.00	.00	.00	638.82	1201.00	647.23	.00	647.35	28.65	4.13	1413.63	224.39
16421.000	709.00	.00	.00	638.82	1933.00	648.77	.00	648.90	26.97	4.60	2113.99	372.21
16421.000	709.00	.00	.00	638.82	2234.00	649.33	.00	649.46	26.52	4.77	2374.74	453.83
16421.000	709.00	.00	.00	638.82	3126.00	650.79	.00	650.94	25.95	5.23	3071.34	613.66
17595.000	1174.46	.00	.00	642.40	1201.00	650.32	.00	650.42	23.93	3.62	1419.57	245.50
17595.000	1174.46	.00	.00	642.40	1933.00	651.56	.00	651.65	20.53	3.83	2329.32	425.67
17595.000	1174.46	.00	.00	642.40	2234.00	652.03	.00	652.12	19.48	3.90	2632.51	506.18
17595.000	1174.46	.00	.00	642.40	3126.00	653.31	.00	653.40	17.16	4.08	3686.70	754.62
17707.000	112.04	.00	.00	642.74	1201.00	650.60	.00	650.70	25.62	3.71	1372.97	237.28
17707.000	112.04	.00	.00	642.74	1933.00	651.80	.00	651.89	22.34	3.96	2247.62	408.94
17707.000	112.04	.00	.00	642.74	2234.00	652.26	.00	652.35	21.17	4.02	2592.70	485.53
17707.000	112.04	.00	.00	642.74	3126.00	653.51	.00	653.60	18.60	4.20	3572.32	724.63
* 17769.000	62.00	651.03	648.74	642.97	1201.00	652.78	.00	652.80	4.95	1.71	2748.03	539.83
* 17769.000	62.00	651.03	648.74	642.97	1933.00	653.33	.00	653.37	8.96	2.42	3169.55	645.75
* 17769.000	62.00	651.03	648.74	642.97	2234.00	653.52	.00	653.57	10.64	2.69	3319.46	684.85
* 17769.000	62.00	651.03	648.74	642.97	3126.00	653.99	.00	654.06	15.85	3.42	3693.43	785.22
17798.000	29.01	.00	.00	643.04	1201.00	652.70	.00	652.81	5.19	2.04	2773.17	527.31
17798.000	29.01	.00	.00	643.04	1933.00	653.35	.00	653.40	9.32	2.86	3211.38	633.22
17798.000	29.01	.00	.00	643.04	2234.00	653.55	.00	653.60	11.00	3.16	3372.79	673.73
17798.000	29.01	.00	.00	643.04	3126.00	654.03	.00	654.11	15.33	4.01	3758.80	773.58
* 18414.000	615.49	.00	.00	644.52	1201.00	653.36	.00	653.68	65.69	5.92	640.77	148.18
* 18414.000	615.49	.00	.00	644.52	1933.00	654.38	.00	654.78	80.03	7.13	995.40	216.07
* 18414.000	615.49	.00	.00	644.52	2234.00	654.75	.00	655.17	83.72	7.51	1144.64	244.16
* 18414.000	615.49	.00	.00	644.52	3126.00	655.74	.00	656.20	89.78	8.36	1583.55	329.91

SECHD	XLCH	ELTRD	ELLC	ELMTH	Q	CMSEL	CRISW	EG	10*KS	VCH	AREA	.OIK
* 18975.000	561.00	.00	.00	645.86	1201.00	655.45	.00	655.52	19.12	3.41	1555.06	274.63
* 18975.000	561.00	.00	.00	645.86	1933.00	656.85	.00	656.94	22.05	4.0R	2250.51	411.63
* 18975.000	561.00	.00	.00	645.86	2234.00	657.33	.00	657.43	23.10	4.32	2501.44	464.81
* 18975.000	561.00	.00	.00	645.86	3126.00	658.58	.00	658.69	25.88	4.95	3170.28	614.51
* 19747.000	772.00	.00	.00	651.02	1201.00	658.21	.00	658.44	101.83	5.75	908.15	119.02
* 19747.000	772.00	.00	.00	651.02	1933.00	659.67	.00	659.37	77.67	5.87	1488.90	219.34
* 19747.000	772.00	.00	.00	651.02	2234.00	660.19	.00	660.38	72.97	5.96	1714.46	261.53
* 19747.000	772.00	.00	.00	651.02	3126.00	661.53	.00	661.72	64.96	6.28	2326.17	387.85
* 20402.000	655.00	.00	.00	655.39	1201.00	661.93	.00	662.00	33.57	3.73	1294.77	207.29
* 20402.000	655.00	.00	.00	655.39	1933.00	663.24	.00	663.34	38.35	4.53	1807.34	312.16
* 20402.000	655.00	.00	.00	655.39	2234.00	663.72	.00	663.83	39.63	4.80	2003.45	354.87
* 20402.000	655.00	.00	.00	655.39	3126.00	664.99	.00	665.12	42.38	5.47	2550.92	480.16
* 21007.000	605.50	.00	.00	659.44	518.00	664.15	.00	664.24	46.80	3.27	561.97	75.72
* 21007.000	605.50	.00	.00	659.44	923.00	665.56	.00	665.65	37.58	3.60	1090.22	150.57
* 21007.000	605.50	.00	.00	659.44	1084.00	666.05	.00	666.14	35.23	3.69	1291.03	182.64
* 21007.000	605.50	.00	.00	659.44	1575.00	667.34	.00	667.44	31.40	3.98	1853.31	281.08
* 21047.000	40.00	.00	.00	659.70	518.00	664.34	.00	664.44	50.68	3.37	538.94	72.76
* 21047.000	40.00	.00	.00	659.70	923.00	665.71	.00	665.81	41.17	3.71	1046.83	143.86
* 21047.000	40.00	.00	.00	659.70	1084.00	666.19	.00	666.29	38.32	3.80	1244.74	175.11
* 21047.000	40.00	.00	.00	659.70	1575.00	667.47	.00	667.57	33.84	4.08	1797.45	270.73
* 21097.000	50.00	665.00	664.71	660.51	518.00	666.62	.00	666.65	26.44	2.38	923.04	100.74
* 21097.000	50.00	665.00	664.71	660.51	923.00	667.23	.00	667.28	48.25	3.46	1167.25	132.88
* 21097.000	50.00	665.00	664.71	660.51	1084.00	667.43	.00	667.48	56.71	3.83	1247.20	143.94
* 21097.000	50.00	665.00	664.71	660.51	1575.00	667.90	.00	667.98	83.12	4.88	1448.13	172.76
* 21108.000	11.00	.00	.00	660.97	518.00	666.64	.00	666.68	17.55	2.32	912.18	123.64
* 21108.000	11.00	.00	.00	660.97	923.00	667.26	.00	667.34	32.67	3.42	1159.68	161.49
* 21108.000	11.00	.00	.00	660.97	1084.00	667.46	.00	667.55	38.59	3.81	1240.91	174.49
* 21108.000	11.00	.00	.00	660.97	1575.00	667.94	.00	668.09	57.10	4.89	1445.91	208.42

Afton Run (AR.IN)

SUMMARY PRINTOUT TABLE 150

SECRD	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWTD	XLCH
286.000	1626.00	597.42	.00	.00	2.42	632.66	.00
286.000	2545.00	598.51	1.19	.00	3.61	679.91	.00
286.000	2972.00	599.07	.47	.00	4.07	698.51	.00
286.000	4260.00	600.39	1.32	.00	5.39	755.97	.00
313.000	1626.00	597.55	.00	.13	.00	655.30	27.00
313.000	2545.00	598.76	1.22	.16	.00	703.73	27.00
313.000	2972.00	599.24	.48	.17	.00	722.84	27.00
313.000	4260.00	600.59	1.35	.20	.00	786.58	27.00
321.500	1626.00	597.51	.00	-.04	.00	630.94	8.50
321.500	2545.00	598.71	1.20	-.06	.00	678.80	8.50
321.500	2972.00	599.18	.47	-.06	.00	697.69	8.50
321.500	4260.00	600.51	1.33	-.08	.00	755.63	8.50
1225.000	1626.00	599.21	.00	1.70	.00	534.91	903.50
1225.000	2545.00	600.51	1.30	1.80	.00	586.57	903.50
1225.000	2972.00	601.02	.52	1.84	.00	593.27	903.50
1225.000	4260.00	602.40	1.38	1.89	.00	611.17	903.50
* 2183.000	1626.00	600.99	.00	1.78	.00	178.88	958.00
* 2183.000	2545.00	602.43	1.44	1.93	.00	200.49	958.00
* 2183.000	2972.00	603.03	.56	1.98	.00	208.96	958.00
* 2183.000	4260.00	604.46	1.48	2.07	.00	231.18	958.00
3020.000	1626.00	603.59	.00	2.60	.00	160.53	837.00
3020.000	2545.00	605.18	1.59	2.75	.00	178.02	837.00
3020.000	2972.00	605.81	.63	2.81	.00	188.73	837.00
3020.000	4260.00	607.46	1.65	2.98	.00	216.77	837.00
* 3596.000	1626.00	605.64	.00	2.05	.00	248.23	576.00
* 3596.000	2545.00	607.12	1.48	1.94	.00	294.65	576.00
* 3596.000	2972.00	607.72	.60	1.91	.00	310.30	576.00
* 3596.000	4260.00	609.31	1.59	1.85	.00	352.06	576.00
* 4206.400	1626.00	609.30	.00	3.66	.00	210.41	610.46
* 4206.400	2545.00	610.56	1.26	3.44	.00	244.06	610.46
* 4206.400	2972.00	611.06	.50	3.34	.00	257.39	610.46
* 4206.400	4260.00	612.39	1.33	3.08	.00	293.01	610.46
* 4290.500	1626.00	609.09	.00	-.21	.00	21.00	84.04
* 4290.500	2545.00	609.69	.60	-.87	.00	21.00	84.04
* 4290.500	2972.00	609.89	.21	-1.16	.00	21.00	84.04
* 4290.500	4260.00	612.22	2.33	-.17	.00	21.00	84.04

SECD	Q	CWEEL	DIFWSP	DIFWSX	DIFRWS	TOPWID	XLCH
* 4454.500	1626.00	610.85	.00	1.76	.00	21.00	164.00
* 4454.500	2545.00	614.39	3.54	4.70	.00	21.00	164.00
* 4454.500	2972.00	616.68	2.29	6.79	.00	21.00	164.00
* 4454.500	4260.00	525.92	9.24	13.70	.00	21.00	164.00
* 4476.500	1626.00	612.12	.00	1.27	.00	268.68	22.01
* 4476.500	2545.00	616.06	3.94	1.67	.00	371.90	22.01
* 4476.500	2972.00	618.33	2.27	1.65	.00	427.21	22.01
* 4476.500	4260.00	627.25	8.92	1.33	.00	575.76	22.01
* 5134.000	1626.00	612.93	.00	.81	.00	71.67	657.49
* 5134.000	2545.00	616.41	3.49	.35	.00	393.78	657.49
* 5134.000	2972.00	618.58	2.17	.25	.00	432.77	657.49
* 5134.000	4260.00	627.34	8.76	.09	.00	559.14	657.49
* 5452.000	1424.00	614.04	.00	1.12	.00	236.29	318.00
* 5452.000	2268.00	617.21	3.17	.80	.00	260.47	318.00
* 5452.000	2642.00	619.11	1.90	.53	.00	274.96	318.00
* 5452.000	3766.00	627.47	8.35	.12	.00	594.02	318.00
* 5512.000	1424.00	614.07	.00	.03	.00	223.01	60.00
* 5512.000	2268.00	617.23	3.16	.02	.00	255.36	60.00
* 5512.000	2642.00	619.13	1.90	.02	.00	269.82	60.00
* 5512.000	3766.00	627.47	8.35	.01	.00	578.90	60.00
* 5691.000	1424.00	618.02	.00	3.95	.00	261.20	179.00
* 5691.000	2268.00	619.33	1.31	2.09	.00	271.16	179.00
* 5691.000	2642.00	619.84	.52	.72	.00	275.12	179.00
* 5691.000	3766.00	627.47	7.63	.00	.00	578.32	179.00
* 5707.000	1424.00	618.03	.00	.01	.00	260.26	16.00
* 5707.000	2268.00	619.34	1.31	.02	.00	270.19	16.00
* 5707.000	2642.00	619.86	.52	.02	.00	274.13	16.00
* 5707.000	3766.00	627.47	7.61	.00	.00	575.25	16.00
* 6550.000	1424.00	618.27	.00	.24	.00	346.08	843.00
* 6550.000	2268.00	619.72	1.45	.38	.00	368.62	843.00
* 6550.000	2642.00	620.29	.57	.43	.00	382.64	843.00
* 6550.000	3766.00	627.60	7.31	.13	.00	664.06	843.00
* 7475.000	1424.00	619.72	.00	1.45	.00	532.95	925.00
* 7475.000	2268.00	621.33	1.61	1.61	.00	566.13	925.00
* 7475.000	2642.00	621.85	.62	1.65	.00	576.04	925.00
* 7475.000	3766.00	627.93	6.03	.38	.00	662.53	925.00
* 8114.000	1424.00	621.36	.00	1.64	.00	336.10	639.00
* 8114.000	2268.00	622.85	1.49	1.53	.00	371.29	639.00
* 8114.000	2642.00	623.44	.59	1.49	.00	385.17	639.00
* 8114.000	3766.00	628.35	4.91	.37	.00	493.63	639.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKMS	TOPWID	XLCH
8592.000	1424.00	623.22	.00	1.85	.00	491.42	478.00
8592.000	2288.00	624.59	1.38	1.74	.00	544.23	478.00
8592.000	2642.00	625.14	.55	1.70	.00	565.38	478.00
8592.000	3766.00	628.88	3.74	.53	.00	712.85	478.00
9298.000	1424.00	625.22	.00	2.00	.00	564.45	706.00
9298.000	2288.00	626.64	1.42	2.04	.00	600.10	706.00
9298.000	2642.00	627.18	.55	2.05	.00	613.97	706.00
9298.000	3766.00	629.88	2.69	1.00	.00	681.92	706.00
9760.000	1424.00	626.62	.00	1.40	.00	443.19	462.00
9760.000	2288.00	629.02	1.40	1.39	.00	467.60	462.00
9760.000	2642.00	628.57	.54	1.38	.00	477.07	462.00
9760.000	3766.00	630.77	2.20	.89	.00	513.57	462.00
10968.000	1201.00	630.89	.00	4.27	.00	497.04	1208.75
10968.000	1933.00	632.25	1.36	4.22	.00	570.74	1208.75
10968.000	2234.00	632.76	.51	4.19	.00	598.32	1208.75
10968.000	3126.00	634.14	1.38	3.37	.00	673.32	1208.75
* 11042.000	1201.00	631.03	.00	.14	.00	32.00	74.00
11042.000	1933.00	632.50	1.47	.25	.00	572.07	74.00
11042.000	2234.00	633.01	.51	.25	.00	599.65	74.00
11042.000	3126.00	634.38	1.38	.24	.00	674.24	74.00
* 11094.000	1201.00	632.02	.00	1.00	.00	16.50	51.50
* 11094.000	1933.00	634.78	2.76	2.29	.00	684.71	51.50
* 11094.000	2234.00	635.02	.24	2.01	.00	697.56	51.50
* 11094.000	3126.00	635.49	.47	1.11	.00	712.31	51.50
* 11113.000	1201.00	633.23	.00	1.20	.00	597.22	19.50
11113.000	1933.00	634.84	1.61	.05	.00	684.43	19.50
11113.000	2234.00	635.08	.25	.06	.00	697.82	19.50
11113.000	3126.00	635.60	.51	.10	.00	713.51	19.50
* 11799.000	1201.00	634.18	.00	.96	.00	467.07	685.25
* 11799.000	1933.00	635.87	1.69	1.03	.00	503.10	685.25
* 11799.000	2234.00	635.27	.41	1.19	.00	510.16	685.25
* 11799.000	3126.00	637.29	1.01	1.69	.00	527.81	685.25
* 12740.000	1201.00	637.95	.00	3.77	.00	318.56	941.00
* 12740.000	1933.00	639.25	1.30	3.38	.00	334.70	941.00
* 12740.000	2234.00	639.78	.53	3.51	.00	341.21	941.00
* 12740.000	3126.00	641.14	1.36	3.85	.00	357.44	941.00
* 13310.000	1201.00	640.09	.00	2.14	.00	507.92	570.00
* 13310.000	1933.00	641.49	1.40	2.24	.00	533.03	570.00
* 13310.000	2234.00	642.01	.52	2.23	.00	542.35	570.00
* 13310.000	3126.00	643.39	1.37	2.25	.00	566.86	570.00

SECR0	Q	CUSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
* 13892.000	1201.00	641.34	.00	1.25	.00	335.27	582.00
13892.000	1933.00	642.81	1.47	1.32	.00	371.83	582.00
13892.000	2234.00	643.35	.54	1.34	.00	385.10	582.00
13892.000	3126.00	644.76	1.41	1.37	.00	420.06	582.00
14408.000	1201.00	642.63	.00	1.29	.00	397.69	516.00
14408.000	1933.00	644.11	1.48	1.30	.00	423.44	516.00
14408.000	2234.00	644.65	.54	1.30	.00	432.81	516.00
14408.000	3126.00	646.07	1.42	1.31	.00	465.53	516.00
15024.000	1201.00	644.00	.00	1.37	.00	384.43	616.00
15024.000	1933.00	645.50	1.50	1.39	.00	462.14	616.00
15024.000	2234.00	646.04	.54	1.39	.00	467.63	616.00
15024.000	3126.00	647.47	1.42	1.39	.00	482.15	616.00
15712.000	1201.00	645.65	.00	1.65	.00	391.44	688.00
15712.000	1933.00	647.18	1.53	1.68	.00	411.45	688.00
15712.000	2234.00	647.73	.55	1.69	.00	418.40	688.00
15712.000	3126.00	649.17	1.44	1.71	.00	437.23	688.00
16421.000	1201.00	647.23	.00	1.58	.00	446.75	709.00
16421.000	1933.00	648.77	1.54	1.59	.00	462.46	709.00
16421.000	2234.00	649.33	.56	1.60	.00	468.18	709.00
16421.000	3126.00	650.79	1.46	1.62	.00	485.48	709.00
17595.000	1201.00	650.32	.00	3.09	.00	710.18	1174.46
17595.000	1933.00	651.56	1.24	2.79	.00	750.56	1174.46
17595.000	2234.00	652.03	.47	2.70	.00	765.67	1174.46
17595.000	3126.00	653.31	1.28	2.52	.00	807.09	1174.46
17707.000	1201.00	650.60	.00	.27	.00	708.05	112.04
17707.000	1933.00	651.80	1.20	.24	.00	747.02	112.04
17707.000	2234.00	652.26	.46	.22	.00	761.86	112.04
17707.000	3126.00	653.51	1.25	.20	.00	802.48	112.04
* 17769.000	1201.00	652.78	.00	2.18	.00	767.79	62.00
* 17769.000	1933.00	653.33	.55	1.53	.00	785.40	62.00
* 17769.000	2234.00	653.52	.19	1.27	.00	791.56	62.00
* 17769.000	3126.00	653.99	.47	.48	.00	806.74	62.00
17798.000	1201.00	652.79	.00	.01	.00	769.50	29.01
17798.000	1933.00	653.35	.56	.02	.00	787.76	29.01
17798.000	2234.00	653.55	.19	.03	.00	794.38	29.01
17798.000	3126.00	654.03	.48	.04	.00	809.98	29.01
* 18414.000	1201.00	653.36	.00	.57	.00	307.83	615.49
* 18414.000	1933.00	654.38	1.02	1.03	.00	390.69	615.49
* 18414.000	2234.00	654.75	.37	1.20	.00	420.70	615.49
* 18414.000	3126.00	655.74	.99	1.71	.00	456.09	615.49

09OCT91

15:02:04

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SECHD	Q	CMSEL	DIFWSP	DIFWSX	DIFRMS	TOPWID	XLCH
* 18975.000	1201.00	655.45	.00	2.08	.00	479.36	561.00
* 18975.000	1933.00	555.85	1.40	2.47	.00	511.91	561.00
* 18975.000	2234.00	657.33	.48	2.58	.00	523.16	561.00
* 18975.000	3126.00	658.58	1.24	2.84	.00	552.02	561.00
* 19747.000	1201.00	658.21	.00	2.75	.00	365.78	772.00
* 19747.000	1933.00	659.67	1.46	2.83	.00	427.33	772.00
* 19747.000	2234.00	660.19	.52	2.86	.00	444.28	772.00
* 19747.000	3126.00	661.53	1.34	2.95	.00	467.36	772.00
* 20402.000	1201.00	661.93	.00	3.72	.00	375.89	655.00
* 20402.000	1933.00	663.24	1.31	3.57	.00	406.30	655.00
* 20402.000	2234.00	663.72	.48	3.53	.00	417.35	655.00
* 20402.000	3126.00	664.99	1.27	3.46	.00	446.75	655.00
* 21007.000	516.00	664.15	.00	2.22	.00	337.52	605.50
* 21007.000	923.00	665.56	1.41	2.31	.00	403.01	605.50
* 21007.000	1084.00	666.05	.49	2.32	.00	421.38	605.50
* 21007.000	1575.00	667.34	1.29	2.35	.00	452.32	605.50
* 21047.000	518.00	664.34	.00	.19	.00	330.08	40.00
* 21047.000	923.00	665.71	1.37	.15	.00	398.93	40.00
* 21047.000	1084.00	666.19	.48	.14	.00	417.22	40.00
* 21047.000	1575.00	667.47	1.28	.13	.00	449.54	40.00
* 21097.000	518.00	666.62	.00	2.28	.00	387.66	50.00
* 21097.000	923.00	667.23	.61	1.52	.00	410.74	50.00
* 21097.000	1084.00	667.43	.19	1.24	.00	418.02	50.00
* 21097.000	1575.00	667.90	.47	.43	.00	432.15	50.00
* 21108.000	518.00	666.64	.00	.02	.00	385.98	11.00
* 21108.000	923.00	667.26	.62	.03	.00	409.46	11.00
* 21108.000	1084.00	667.45	.20	.03	.00	416.87	11.00
* 21108.000	1575.00	667.94	.48	.04	.00	431.71	11.00

SUMMARY OF ERRORS AND SPECIAL NOTES

CAUTION SECNO=	4290.500	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4290.500	PROFILE=	3	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4290.500	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4290.500	PROFILE=	4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4290.500	PROFILE=	4	20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=	17769.000	PROFILE=	1	HYDRAULIC JUMP D.S.
CAUTION SECNO=	17769.000	PROFILE=	2	HYDRAULIC JUMP D.S.
CAUTION SECNO=	17769.000	PROFILE=	3	HYDRAULIC JUMP D.S.
CAUTION SECNO=	17769.000	PROFILE=	4	HYDRAULIC JUMP D.S.

CAUTION SECNO=	21097.000	PROFILE=	1	HYDRAULIC JUMP D.S.
CAUTION SECNO=	21097.000	PROFILE=	2	HYDRAULIC JUMP D.S.
CAUTION SECNO=	21097.000	PROFILE=	3	HYDRAULIC JUMP D.S.
CAUTION SECNO=	21097.000	PROFILE=	4	HYDRAULIC JUMP D.S.

Floodway Output

Afton Run HEC-2 Output Floodway

Study Contractor : Hayes, Seay, Mattern & Mattern
Contract Number : EMW-80-C-3101
HSMM Number : 2373

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*****  
* HEC-2 WATER SURFACE PROFILES *  
* *  
* Version 4.6.2; May 1991 *  
* *  
* RUN DATE 09OCT91 TIME 14:57:35 *  
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*****  
* U.S. ARMY CORPS OF ENGINEERS *  
* HYDROLOGIC ENGINEERING CENTER *  
* 609 SECOND STREET, SUITE D *  
* DAVIS, CALIFORNIA 95616-4687 *  
* (916) 756-1104 *  
*****
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HAYES, SEAY, MATTERN & MATTER, INC.
ROANOKE, VIRGINIA - GREENSBORO, NORTH CAROLINA
COMMISSION NUMBER: 2373
INPUT FILE NAME: AR_FW.HEC
OUTPUT FILE NAME: AR_FW.OUT

THIS RUN EXECUTED 09OCT91 14:57:35

 HEC-2 WATER SURFACE PROFILES
 Version 4.6.2; May 1991

T1 Hayes, Seay, Mattern & Mattern Cabarrus County, NC FIS
 T2 Proj. No. EMW-90-C-3101 Eng: LJM/EKL ET:TFH Comm. No. 2373
 T3 Afton Run (AR.IN) Date: 10/09/91 100-Year Event

J1 ICHECK INQ NINW IDIR STRT METRIC HVINS Q WSEL FQ
 4.0 0.0923 595.0
 J2 NPROF IPLIT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
 1. -1.0

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

110. 200.

J5 LPRNT NUMSEC *****REQUESTED SECTION NUMBERS*****

-10.

NC	0.18	0.18	0.05	0.1	0.3						
NC				0.3	0.5						
NH	7.	1.	4877.	0.22	4915.	0.13	4962.	0.052	5012.	0.13	
NH	5027.	0.22	5139.	1.	6713.	0.	0.	0.	0.	0.	
QT	8.	1626.	2545.	2972.	4260.	2972.	756.	1247.	2103.		
ET	0.00	0.00	0.00	0.00	0.00	10.41	0.00	0.00	0.00	0.00	
X1	286.	44.	4962.	5012.	286.	286.	286.		0.		
X3	10.							594.94	595.		
GR	634.94	4087.	629.94	4257.	624.94	4404.	619.94	4495.	614.94	4583.	
GR	609.94	4675.	604.94	4757.	599.94	4769.	594.94	4850.	595.22	4877.	
GR	595.58	4912.	595.5	4915.	594.88	4937.	595.28	4962.	593.38	4976.99	
GR	593.38	4977.	591.88	4986.99	591.88	4987.	588.91	4996.2	588.89	4996.25	
GR	588.59	4997.19	588.28	4998.13	587.98	4999.06	587.69	4999.98	587.58	5000.	
GR	587.96	5000.94	588.24	5001.88	588.52	5002.81	588.81	5003.75	588.82	5003.8	
GR	589.78	5006.99	589.79	5007.	595.28	5012.	595.38	5037.	594.98	5062.	
GR	594.98	5087.	594.97	5139.	594.94	5384.	599.94	5502.	604.94	5745.	
GR	609.94	5909.	614.94	6160.	619.94	6254.	624.94	6713.	0.	0.	
SC	1.033	0.80	3.00	0.00	7.50	0.00	26.0	2.3	587.79	587.69	
NH	7.	1.	4877.	0.22	4915.	0.13	4996.2	0.052	5003.8	0.13	
NH	5087.	0.22	5139.	1.	6713.	0.	0.	0.	0.	0.	
ET	0.00	0.00	0.00	0.00	0.00	10.41	0.00	0.00	0.00	0.00	

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HEC-2 Input file created with CodeHZ
Version: 3.79
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Run Date: Wednesday October 9, 1991
Run Time: 14:57:08
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The Following Options Have Been Activated :

1. FLOODWAY Option.
2. HEC1 Option.
3. SUMMARY_150 Option.

FARM BRIDGE (CULVERT)

	313.	44.	4995.2	5003.8	27.	594.94	27.	0.00	27.	0.00	27.	0.00	0.00	0.00
X1	313.	44.	4995.2	5003.8	27.	594.94	27.	0.00	27.	0.00	27.	0.00	0.00	0.00
X2	0.00	0.00	2.00	595.79	4257.	4583.	630.	629.5	4404.	594.94	404.	595.	624.5	595.
X3	10.	-44.	4087.	4495.	620.	615.	615.	614.5	4675.	610.	625.	609.5	609.5	610.
BT			4757.	605.	4769.	600.	599.5	595.14	4850.	595.	595.	594.5	594.5	595.
BT			4877.	595.28	594.18	4912.	595.64	594.84	595.14	595.56	595.06	595.06	595.06	595.06
BT			4937.	594.94	594.44	4962.	595.34	591.44	4976.99	596.29	592.94	592.94	592.94	592.94
BT			4977.	596.29	592.94	4986.99	596.49	591.44	4987.	596.49	596.49	591.44	591.44	591.44
BT			4996.2	596.08	588.47	4996.25	596.07	591.54	4997.19	596.03	594.02	594.02	594.02	594.02
BT			4998.13	595.99	594.79	4999.06	595.95	595.17	4999.98	595.91	595.29	595.29	595.29	595.29
BT			5000.	595.9	595.29	5000.94	595.86	595.17	5001.88	595.82	594.74	594.74	594.74	594.74
BT			5002.81	595.78	594.02	5003.75	595.74	591.54	5003.8	595.73	588.38	588.38	588.38	588.38
BT			5006.99	595.59	589.34	5007.	595.59	589.35	5012.	595.34	594.84	594.84	594.84	594.84
BT			5037.	595.44	594.94	5062.	595.04	594.54	5087.	595.04	595.04	595.04	595.04	595.04
BT			5139.	595.03	594.53	5384.	595.	594.5	5502.	600.	599.5	599.5	599.5	599.5
BT			5745.	605.	604.5	5909.	610.	609.5	6160.	615.	614.5	614.5	614.5	614.5
BT			6254.	620.	619.5	6713.	625.	624.5	0.	0.	0.	0.	0.	0.
GR	634.5	4087.	629.5	4257.	624.5	4404.	4404.	619.5	4495.	614.5	4583.	4583.	4583.	4583.
GR	609.5	4675.	604.5	4757.	599.5	4769.	4769.	594.5	4850.	594.78	4877.	4877.	4877.	4877.
GR	595.14	4912.	595.06	4915.	594.44	4937.	4937.	594.84	4962.	592.94	4976.99	4976.99	4976.99	4976.99
GR	592.94	4977.	591.44	4986.99	591.44	4987.	4987.	588.47	4996.2	591.54	4996.25	4996.25	4996.25	4996.25
GR	589.06	4997.10	588.29	4998.13	587.91	4999.06	4999.06	587.79	4999.98	587.79	4999.98	4999.98	4999.98	4999.98
GR	587.91	5000.94	588.29	5001.88	589.06	5002.81	5002.81	591.54	5003.75	589.38	5003.8	5003.8	5003.8	5003.8
GR	589.34	5006.99	589.35	5007.	594.24	5012.	5012.	594.94	5037.	594.54	5062.	5062.	5062.	5062.
GR	594.54	5087.	594.53	5139.	594.5	5384.	5384.	599.5	5502.	604.5	5745.	5745.	5745.	5745.
GR	509.5	5709.	614.5	6160.	615.5	6254.	6254.	624.5	6713.	0.	0.	0.	0.	0.
NH	7.	4877.	0.22	4915.	4915.	0.13	4962.	4962.	0.052	5012.	0.13	0.13	0.13	0.13
NH	5087.	0.22	5139.	1.	6713.	0.	0.	0.	0.	0.	0.	0.	0.	0.
X1	321.5	44.	4962.	5012.	8.5	8.5	8.5	8.5	8.5	0.	0.	0.	0.	0.
GR	635.07	4087.	630.07	4257.	625.07	4404.	4404.	620.07	4495.	615.07	4583.	4583.	4583.	4583.
GR	610.07	4675.	605.07	4757.	600.07	4769.	4769.	595.07	4850.	595.35	4877.	4877.	4877.	4877.
GR	595.71	4912.	595.63	4915.	595.01	4937.	4937.	595.41	4962.	593.51	4976.99	4976.99	4976.99	4976.99
GR	593.51	4977.	592.01	4986.99	592.01	4987.	4987.	589.04	4996.2	589.02	4996.25	4996.25	4996.25	4996.25
GR	588.72	4997.19	588.41	4998.13	588.11	4999.06	4999.06	587.82	4999.98	587.81	5000.	5000.	5000.	5000.

NH	7.	4899.	0.21	4935.	0.12	4987.	0.053	5015.	0.12
NH	5061.	5098.	1.	5194.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	7.11	4950.00	5035.00	0.00	0.00

Cross Section 1.0
Cross Section D (HMM Draft)

X1	3596.	33.	4987.	5015.	576.	576.	0.17	5033.5	0.26
GR	555.	4473.	650.	4496.	4529.	640.	0.	0.	0.
GR	630.	4630.	625.	4668.	4630.	615.	4567.	635.	4603.
GR	605.	4806.	603.75	4889.	4922.	603.45	4706.	610.	4732.
GR	603.41	4987.	4989.	500.51	4922.	598.81	4935.	503.51	4952.
GR	592.31	5005.	599.21	4989.	4992.	600.61	4995.	598.41	5000.
GR	605.31	5030.	606.11	5040.	5009.	606.4	5010.	604.51	5015.
GR	610.	5192.	615.	5146.	5045.	0.	5061.	609.65	5098.
NH	6.	4938.	0.18	4955.5	0.05	5033.5	0.17	5033.5	0.26
NH	5044.	6651.	0.	0.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	7.11	4950.00	5035.00	0.00	0.00
X1	4206.4	4955.5	5033.5	610.46	610.46	651.73	4138.	550.25	4400.
GR	654.44	3658.	653.88	3758.	3912.	644.61	4602.	634.44	4691.
GR	549.69	4500.	649.44	4544.	4600.	519.44	4797.	619.1	4800.
GR	617.96	4700.	629.44	4714.	4767.	607.98	4913.5	607.71	4938.
GR	507.52	4810.	514.44	4841.	4900.	601.21	4985.5	600.71	4989.49
GR	600.71	4955.5	606.73	4962.	4974.5	601.02	4999.49	601.02	4999.5
GR	601.04	5000.5	600.71	4989.51	4994.5	601.21	5005.5	601.37	5010.48
GR	601.37	5010.49	601.06	5000.5	5000.51	608.18	5033.5	608.18	5044.
GR	606.18	5063.5	607.98	5088.5	5015.5	615.14	5200.	619.44	5267.
GR	624.44	5294.	629.44	5354.	5468.	539.44	5605.	643.66	5648.
GR	644.44	5656.	649.71	5864.	6051.	0.	0.	0.	0.

NC	7.	0.3	4938.	0.5	4989.5	0.06	5010.5	0.17
NH	5033.5	6.27	5044.	4962.	0.	0.	0.	0.
ET	0.00	1.	0.00	6051.	0.	5011.00	0.00	0.00
X1	4290.5	0.00	0.00	0.00	7.11	4990.00	0.	0.00
X3	10.	5010.5	84.04	84.04	84.04	640.	641.31	640.
GR	654.77	3758.	654.21	653.34	3912.	652.06	650.58	4400.
GR	650.02	4544.	649.77	644.94	4600.	644.77	634.77	4891.
GR	632.81	4732.	629.77	624.77	4767.	619.77	619.43	4800.
GR	618.29	4810.	614.77	609.51	4900.	608.31	608.04	4938.
GR	607.85	4955.5	607.06	605.54	4974.5	601.54	601.04	4989.49
GR	601.04	4989.5	601.04	601.2	4994.5	601.35	601.35	4999.5
GR	601.37	5000.	601.39	601.39	5000.51	601.54	601.7	5010.48
GR	601.7	5010.49	601.71	606.41	5015.5	608.51	608.51	5044.
GR	608.51	5053.5	608.51	609.05	5100.	615.47	619.77	5267.
GR	624.77	5294.	623.77	634.77	5468.	639.77	643.99	5648.
GR	644.77	5656.	650.04	5864.	6051.	0.	0.	0.

SC	2.020	0.40	3.00	0.00	10.0	163.0	8.1	601.43	501.10
NH	7.	1.	4938.	0.27	4962.	4989.5	0.06	5010.5	0.17
NH	5033.5	0.26	5044.	1.	6051.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	4990.00	5011.00	0.00	0.00

CRISCO ROAD - CULVERT (SR 1430)

X1	4454.5	53.	4989.5	5010.5	164.	164.	0.00	0.	0.00
X2	0.00	0.00	2.00	611.13	640.00	0.00	0.00	0.	0.00
X3	10.	-53.							
BT	3658.	4138.	655.35	655.33	3758.	654.77	640.	641.31	653.9
BT	4544.	4544.	650.35	652.62	4400.	651.14	3912.	653.92	350.58
BT	4691.	640.23	635.33	650.33	4600.	645.5	4500.	645.35	645.33
BT	4767.	640.41	625.33	635.33	4700.	633.37	4714.	640.29	530.33
BT	4810.	640.	618.85	625.33	4797.	620.33	4800.	640.48	619.99
BT	4913.5	641.01	608.87	640.33	4841.	615.33	4900.	640.97	610.07
BT	4962.	641.17	607.62	640.33	4938.	608.6	4955.5	641.15	608.41
BT	4989.49	641.26	601.6	641.21	4974.5	606.1	4985.5	641.24	602.1
BT	4994.5	641.27	611.46	601.6	4989.5	601.46	4989.51	641.26	611.46
BT	5000.	641.29	601.93	611.46	4999.49	611.46	4999.5	641.29	601.46
BT	5005.5	641.3	611.43	601.5	5000.5	601.43	5000.51	641.29	611.43
BT	5010.5	641.31	601.43	601.5	5010.48	611.43	5010.49	641.31	506.43
BT	5044.	641.39	609.07	601.5	5063.5	606.97	5033.5	641.37	509.07
BT	5100.	641.52	609.61	601.5	5200.	609.07	5088.5	641.49	608.87
BT	5294.	642.61	625.33	609.61	5354.	616.03	5267.	642.64	620.33
BT	5605.	644.73	640.33	625.33	5354.	630.33	5468.	643.89	635.33
BT	5864.	650.62	650.6	640.33	5648.	644.55	5656.	645.35	645.33
GR	655.33	3658.	654.77	655.33	6051.	655.33	0.	0.	0.
GR	650.58	4500.	650.33	652.62	3912.	652.62	4138.	651.14	4400.
GR	633.37	4700.	630.33	645.5	4544.	645.33	4602.	635.33	4691.
GR	618.95	4810.	615.33	4714.	4841.	4767.	619.99	4800.	4800.
GR	608.41	4955.5	607.62	4841.	4962.	608.87	4913.5	608.6	4938.
GR	601.46	4989.5	601.46	4989.51	4989.51	602.1	4985.5	601.6	4989.49
GR	601.93	5000.	601.43	5000.5	5000.51	601.46	4999.49	601.46	4999.5
GR	601.43	5010.49	601.43	5010.5	606.97	601.43	5005.5	601.43	5010.48
GR	609.07	5063.5	608.87	5088.5	609.61	609.07	5033.5	609.07	5044.
GR	625.33	5294.	630.33	5354.	635.33	616.03	5200.	620.33	5267.
GR	645.33	5656.	650.6	5864.	655.33	640.33	5605.	644.55	5648.
NH	6.	4938.	0.18	0.18	4955.5	5033.5	0.17	5033.5	0.26
NH	5044.	6051.	0.00	0.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	4975.00	5025.00	0.00	0.00
X1	4476.5	53.	4955.5	5033.5	22.01	22.01	0.	0.	0.00
GR	655.09	3658.	654.53	653.66	3758.	652.38	4138.	650.9	4400.
GR	650.34	4500.	650.09	645.26	4544.	645.09	4602.	635.09	4691.
GR	633.13	4700.	630.09	4714.	4714.	620.09	4797.	619.75	4800.
GR	618.61	4810.	615.09	4841.	4841.	608.63	4913.5	608.36	4938.
GR	608.17	4955.5	607.38	4962.	4962.	601.86	4985.5	601.36	4989.49
GR	601.36	4989.5	601.36	4989.51	4989.51	601.67	4999.49	601.67	4999.5
GR	601.69	5000.	601.71	5000.5	601.71	601.86	5005.5	602.02	5010.48
GR	602.62	5010.49	602.03	5010.5	606.73	608.83	5033.5	608.83	5044.
GP	608.83	5063.5	608.63	5638.5	609.37	615.79	5200.	620.03	5267.

GR	625.09	5294.	630.09	5354.	635.09	5468.	640.09	5635.	644.31	5648.
GR	645.09	5656.	650.36	5864.	655.09	6051.	0.	0.	0.	0.
MC										
NH	7.	1.	4900.	0.1	0.3	0.13	4990.	0.06	5011.	0.16
NH	5024.	0.23	5051.	1.	5514.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	10.41	0.00	0.00	0.00	0.00
Cross Section 2.0										
Cross Section E (HSMH Draft)										
X1	5134.	36.	4990.	5011.	657.49	657.49	657.49	4762.	0.	4817.
GR	655.	4603.	650.	4656.	645.	4719.	640.09	4762.	635.	4817.
GR	625.	4886.	622.74	4900.	620.	4917.	615.1	4941.	614.9	4942.
GR	615.	4968.	611.2	4972.	609.7	4983.	610.	4984.	607.4	4990.
GR	603.2	4995.	602.2	4996.	601.2	4999.99	601.2	5000.	602.5	5003.
GR	603.	5004.	604.7	5007.	606.	5008.	607.3	5011.	606.8	5017.
GR	607.3	5023.	610.	5024.	5*2.1	5035.	614.03	5051.	615.	5059.
GR	615.	5209.	615.	5310.	620.	5375.	625.	5414.	635.	5478.
GR	640.	5514.	0.	0.	0.	0.	0.	0.	0.	0.
NH	7.	1.	4633.	0.25	4908.	0.13	4952.5	0.06	5024.5	0.17
NH	5052.4	0.28	5090.	1.	5364.	0.	0.	0.	0.	0.
QT	8.	1424.	2266.	2642.	3766.	2642.	634.	1076.	1872.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4875.00	5025.00	0.00	0.00
X1	5452.	44.	4552.5	5024.5	318.	318.	318.	4470.	0.	4525.
GR	349.25	4282.	646.67	4330.	644.25	4375.	639.25	4470.	634.25	4525.
GR	629.25	4566.	624.25	4622.	619.25	4663.	619.25	4708.	619.25	4791.
GR	619.25	4833.	608.38	4902.49	608.38	4902.5	608.41	4908.	608.68	4952.49
GR	608.68	4952.5	607.53	4977.5	605.26	4990.5	605.11	4992.5	605.11	4992.51
GR	604.86	4995.99	604.86	4996.	604.86	4999.49	604.86	4999.5	604.86	5000.5
GR	604.86	5000.51	604.86	5003.99	604.86	5004.	605.26	5007.48	605.26	5007.49
GR	605.26	5007.5	607.66	5012.5	609.27	5024.49	609.27	5024.5	610.67	5052.49
GR	610.67	5052.5	613.97	5102.49	613.97	5102.5	619.25	5109.	624.25	5144.
GR	629.25	5200.	634.25	5265.	636.14	5302.5	639.25	5364.	0.	0.
MC										
NH	7.	1.	4833.	0.3	4908.	0.13	4992.5	0.06	5007.5	0.17
NH	5052.4	0.28	5090.	1.	5364.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4875.00	5025.00	0.00	0.00
X1	5512.	44.	4992.5	5007.5	60.	60.	60.	612.56	0.	4525.
X3	10.									
GR	649.94	4282.	647.36	4330.	644.94	4375.	639.94	4470.	634.94	4525.
GR	629.94	4566.	624.94	4622.	619.94	4668.	619.94	4708.	619.94	4791.
GR	619.94	4833.	609.07	4902.49	609.07	4902.5	609.1	4908.	609.37	4952.49
GR	609.07	4952.5	608.22	4977.5	605.95	4990.5	605.8	4992.5	605.8	4992.51
GR	605.55	4995.99	605.55	4996.	605.55	4999.49	605.55	4999.5	605.55	5000.5
GR	605.55	5000.51	605.55	5003.99	605.55	5004.	605.95	5007.48	605.95	5007.49
GR	605.95	5007.5	608.35	5012.5	609.96	5024.49	609.96	5024.5	611.36	5052.49
GR	611.36	5052.5	614.66	5102.49	614.66	5102.5	619.94	5109.	624.94	5144.
GR	629.94	5200.	634.94	5265.	636.83	5302.5	639.94	5364.	0.	0.

SC	2.020	0.40	3.00	0.00	8.00	7.00	178.0	8.1	605.66	605.56
NH	7.	1.	4933.	0.25	4908.	0.13	4992.5	0.06	5007.5	0.17
NH	5052.4	0.28	5090.	1.	5364.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4875.00	5025.00	0.00	0.00
1-85 - CULVERT										
X1	5691.	44.	4992.5	5007.5	179.	179.	179.	0.00	0.00	0.00
X2	0.00	0.00	2.00	613.70	616.76	0.00	0.00	617.8	616.76	616.76
X3	10.	4282.	650.	649.96	4330.	647.43	647.38	4375.	645.01	644.96
BT	-44.	4470.	640.01	639.96	4525.	635.01	634.96	4566.	630.01	629.96
BT		4622.	625.01	624.96	4668.	621.23	619.96	4708.	620.79	619.96
BT		4791.	620.01	619.96	4833.	620.01	619.96	502.49	618.62	609.09
BT		4902.5	618.62	609.39	4908.	618.57	609.12	4952.49	618.16	609.39
BT		4952.5	618.16	609.39	4377.5	617.94	608.24	4990.5	617.82	605.97
BT		4892.5	617.8	605.66	4992.51	617.8	613.66	4995.99	617.77	613.66
BT		4996.	617.77	613.66	4999.49	617.74	613.66	4959.5	617.74	605.66
BT		5000.5	617.73	605.66	5000.51	617.73	613.66	5003.99	617.7	613.66
BT		5004.	617.7	613.66	5007.48	617.67	613.66	5007.49	617.67	609.66
BT		5007.5	617.67	605.66	5012.5	617.63	608.37	5024.49	617.52	609.98
BT		5024.5	617.52	609.98	5052.49	617.27	611.38	5052.5	617.27	611.38
BT		5102.49	616.76	614.68	5102.5	616.76	614.68	5109.	620.01	619.96
BT		5144.	625.01	624.96	5200.	630.01	629.96	5265.	635.01	634.96
BT		5302.5	636.9	636.85	5364.	640.	639.96	0.	0.	0.
GR	649.96	4282.	647.38	4330.	644.96	4375.	639.96	4470.	634.96	4525.
GR	629.96	4566.	624.96	4622.	619.96	4668.	619.96	4708.	619.96	4791.
GR	619.96	4833.	609.09	4902.49	609.09	4902.5	609.12	4908.	609.39	4952.49
GR	609.39	4952.5	508.24	4977.5	605.97	4990.5	605.66	4992.5	605.66	4892.51
GR	605.66	4855.99	505.66	4996.	605.66	4999.49	605.66	4999.5	605.66	5000.5
GR	605.66	5000.51	605.66	5003.99	605.66	5004.	605.66	5007.48	605.66	5007.49
GR	605.66	5007.5	608.37	5012.5	609.98	5024.49	609.98	5024.5	611.38	5052.49
GR	611.38	5052.5	614.68	5102.49	614.68	5102.5	619.96	5109.	624.96	5144.
GR	629.96	5200.	634.96	5265.	636.85	5302.5	639.96	5364.	0.	0.
NH	7.	1.	4833.	0.25	4908.	0.13	4952.5	0.06	5024.5	0.17
NH	5052.4	0.28	5090.	1.	5364.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4875.00	5025.00	0.00	0.00
X1	5707.	44.	4952.5	5024.5	16.	16.	16.	0.	0.00	0.00
GR	650.1	4282.	647.52	4330.	645.1	4375.	640.1	4470.	635.1	4525.
GR	630.1	4566.	625.1	4622.	620.1	4668.	620.1	4708.	620.1	4791.
GR	620.1	4833.	609.23	4902.49	609.23	4902.5	609.26	4908.	609.53	4952.49
GR	609.53	4952.5	608.38	4977.5	606.11	4990.5	605.96	4992.5	605.96	4992.51
GR	605.71	4995.99	605.71	4996.	605.71	4999.49	605.71	4999.5	605.71	5000.5
GR	605.71	5000.51	605.71	5003.99	605.71	5004.	606.11	5007.48	606.11	5007.49
GR	606.11	5007.5	608.51	5012.5	610.12	5024.49	610.12	5024.5	611.52	5052.49
GR	611.52	5052.5	614.82	5102.49	614.82	5102.5	620.1	5109.	625.1	5144.
GR	630.1	5200.	635.1	5265.	636.99	5302.5	640.1	5364.	0.	0.

GR	643.89	4447.	640.14	4528.	635.14	4561.	635.08	4563.	630.14	4734.
GR	628.17	4895.38	628.17	4895.99	628.17	4896.	628.17	4896.01	628.29	4917.
GR	628.45	4943.	628.46	4946.	628.67	4980.99	628.67	4981.	623.81	4986.
GR	623.81	4986.01	623.81	4930.49	623.81	4990.5	623.81	4993.	623.81	4994.99
GR	623.81	4995.5	623.81	4995.5	623.81	4995.51	623.81	4999.98	623.81	5000.
GR	623.81	5004.49	623.81	5004.5	623.97	5008.	628.17	5013.	628.47	5045.99
GR	628.47	5080.	628.74	5080.	628.87	5095.98	628.87	5095.99	628.87	5096.
GR	628.87	5096.01	629.43	5127.	630.14	5166.	635.14	5265.	639.43	5337.
GR	640.14	5349.	640.21	5428.	645.14	5446.	649.98	5539.	650.14	5542.
GC	655.14	5575.	656.93	5619.	659.41	5680.	660.14	5698.	664.59	5783.
GR	670.14	5889.	0.	0.	0.	0.	0.	0.	0.	0.
NH	7.	1.	4917.	0.29	4943.	0.18	4981.	0.063	5013.	0.18
NH	5045.5	0.29	5080.	1.	5889.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4855.00	5100.00	0.00	0.00
X1	11113.	61.	4981.	5013.	19.5	19.5	19.5	0.	0.	0.
GR	670.19	3850.	667.42	3937.	665.76	3989.	662.32	4097.	660.19	4164.
GR	656.01	4245.	655.19	4261.	650.36	4348.	650.19	4351.	645.19	4420.
GR	643.94	4447.	640.19	4528.	635.19	4561.	635.13	4563.	630.19	4734.
GR	628.22	4835.98	628.22	4895.99	628.22	4896.	628.22	4896.01	628.34	4917.
GR	628.5	4943.	628.51	4946.	628.72	4980.99	628.72	4981.	626.54	4966.
GR	626.53	4986.01	624.58	4990.49	624.58	4990.5	624.02	4993.	623.99	4994.99
GR	623.99	4995.5	623.99	4995.5	623.99	4995.51	623.93	4999.98	623.93	5000.
GR	623.98	5004.49	623.98	5004.5	624.02	5008.	628.22	5013.	628.52	5045.99
GR	628.52	5045.	628.79	5080.	628.92	5095.98	628.92	5095.99	628.92	5096.
GR	628.92	5095.01	629.44	5127.	630.19	5166.	635.19	5265.	639.48	5337.
GR	640.19	5349.	644.26	5428.	645.19	5446.	650.03	5539.	650.19	5542.
GR	655.19	5575.	656.98	5619.	659.46	5680.	660.19	5698.	664.64	5783.
GR	670.19	5889.	0.	0.	0.	0.	0.	0.	0.	0.
NC										
NH	7.	1.	4912.	0.1	0.3	0.18	4995.	0.063	5005.5	0.18
NH	5087.	0.29	5136.	1.	5637.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	10.41	0.00	0.00	0.00	0.00

Cross Section 5.7
Cross Section L (HSM Draft)

X1	11799.	26.	4995.	5005.5	685.25	685.25	685.25	685.25	0.	4637.
GR	670.	4487.	665.	4535.	660.	4572.	655.	4610.	650.	4912.
GR	645.	4670.	640.	4710.	635.	4734.	630.	4780.	629.46	5000.
GR	629.32	4947.	629.12	4995.	628.82	4998.	628.22	4999.99	628.22	5140.
GR	628.82	5001.5	628.92	5005.5	629.57	5087.	629.97	5136.	630.	5558.
GR	635.	5222.	640.	5285.	645.	5394.	650.	5418.	655.	0.
GR	660.	5637.	0.	0.	0.	0.	0.	0.	0.	0.
NH	7.	1.	4912.	0.29	4939.	0.18	4995.	0.063	5005.5	0.18
NH	5046.	0.29	5074.	1.	5368.	0.	0.	0.	0.	0.

GR	660.	5351.	665.	5429.	670.	5600.	675.	5695.	680.	5746.
NH	7.	1.	4907.	0.27	4942.	0.16	4995.	0.062	5011.	0.16
NH	5049.	0.27	5090.	1.	5517.	0.	0.	0.	0.	0.

Cross Section 8.0
Cross Section Q (HSMH Draft)

X1	15024.	33.	4995.	5011.	616.	616.	616.	0.	0.	0.
GR	890.	4488.	685.	4551.	675.	4608.	670.	4632.	665.	4664.
GR	960.	4684.	655.	4705.	650.	4728.	645.	4752.	640.83	4907.
GR	640.	4938.	639.91	4942.	638.95	4985.	639.05	4995.	637.95	4998.
GR	636.76	4999.99	636.75	5000.	637.25	5003.	637.95	5008.	639.15	5011.
GR	638.85	5021.	640.	5031.	640.51	5049.	641.66	5090.	645.	5209.
GR	650.	5236.	655.	5257.	660.	5298.	665.	5329.	670.	5384.
GR	675.	5408.	680.	5463.	685.	5517.	0.	0.	0.	0.
NH	7.	1.	4907.	0.27	4943.	0.16	4995.	0.06	5011.	0.16
NH	5057.	0.27	5099.	1.	5604.	0.	0.	0.	0.	0.

Cross Section 8.5
Cross Section R (HSMH Draft)

X1	15712.	33.	4995.	5011.	688.	688.	688.	4459.	0.	0.
GR	690.	4110.	685.	4201.	680.	4329.	675.	4459.	670.	4607.
GR	665.	4699.	660.	4734.	650.	4761.	650.	4792.	645.	4837.
GR	642.74	4907.	641.58	4943.	640.	4992.	640.07	4995.	638.97	4958.
GR	637.78	4999.99	637.77	5000.	638.27	5003.	638.97	5008.	640.17	5011.
GR	640.	5018.	640.97	5057.	642.	5099.	645.	5220.	650.	5240.
GR	655.	5284.	660.	5337.	665.	5381.	670.	5450.	675.	5487.
GR	680.	5521.	685.	5564.	690.	5604.	0.	0.	0.	0.
NH	7.	1.	4913.	0.27	4946.	0.16	4986.	0.06	5005.	0.17
NH	5060.	0.26	5096.	1.	5451.	0.	0.	0.	0.	0.

Cross Section 9.0
Cross Section S (HSMH Draft)

X1	16421.	31.	4986.	5005.	709.	709.	709.	4625.	0.	0.
GR	680.	4463.	675.	4540.	670.	4571.	665.	4625.	660.	4675.
GR	655.	4707.	650.	4743.	645.	4783.	643.84	4913.	643.62	4937.
GR	643.58	4946.	643.32	4986.	641.32	4993.	639.42	4994.	638.92	4997.
GR	638.82	4999.99	638.82	5000.	639.42	5003.	643.42	5005.	643.32	5015.
GR	643.71	5060.	644.03	5096.	645.	5207.	650.	5218.	655.	5248.
GR	690.	5272.	685.	5295.	670.	5336.	675.	5370.	680.	5415.
GR	685.	5451.	0.	0.	0.	0.	0.	0.	0.	0.
NH	7.	1.	4906.	0.3	4947.	0.18	4989.	0.061	5017.	0.18
NH	5275.	0.3	5300.	1.	7289.	0.	0.	0.	0.	0.
X1	17595.	68.	4999.	5017.	1174.46	1174.46	1174.46	3954.	684.29	4008.
GR	689.54	3726.	687.03	3851.	686.1	3911.	685.3	4583.	664.54	4208.
GR	682.91	4092.	680.48	4213.	674.54	4532.	669.54	4583.	647.62	4936.
GR	659.54	4666.	654.54	4720.	647.64	4900.99	647.64	4901.	647.62	4936.
GR	647.46	4947.	647.44	4959.99	647.44	4951.	647.28	4959.7	647.28	4959.75

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GR	647.27	4960.31	647.26	4960.88	647.25	4961.44	647.24	4962.	647.23	4962.56
GR	647.22	4963.13	647.21	4963.69	647.2	4964.25	646.74	4988.99	646.74	4989.
GR	643.98	4997.	643.72	4997.75	643.46	4998.5	643.29	4999.	643.07	4999.25
GR	642.42	4999.98	642.4	5000.	642.99	5000.75	643.19	5001.	643.29	5001.5
GR	643.44	5002.25	643.6	5003.	646.44	5017.	647.54	5050.39	647.54	5051.
GR	648.04	5100.99	640.04	5101.	648.64	5275.	648.73	5300.	648.88	5344.
GR	649.54	5536.	651.64	5549.	654.54	5567.	655.54	5586.	664.54	5616.
GR	689.54	5729.	669.87	5738.	674.54	5867.	675.13	5889.	677.32	5966.
GR	681.01	6097.	688.97	6380.	694.4	6573.	700.93	6805.	705.14	6955.
GR	708.04	7058.	711.14	7168.	714.54	7289.	0.	0.	0.	0.

NC				0.3	0.5	0.18	4989.	0.061	5017.	0.18
NH	7.	1.	4906.	0.3	4947.	0.	0.	0.	0.	0.
KH	5275.	0.3	5300.	1.	7289.	0.	0.	0.	0.	0.
X1	17707.	68.	4989.	5017.	112.04	112.04	112.04	0.	0.	0.
X3	10.									
GR	689.88	3726.	687.37	3861.	686.44	3911.	685.64	3954.	684.63	4008.
GR	683.25	4082.	680.82	4213.	674.88	4532.	669.88	4583.	664.88	4628.
GR	659.88	4666.	654.88	4720.	647.98	4900.99	647.98	4901.	647.96	4906.
GR	647.8	4947.	647.78	4950.99	647.78	4951.	647.62	4959.7	647.62	4959.75
GR	647.61	4960.31	647.6	4960.88	647.59	4961.44	647.58	4962.	647.57	4962.56
GR	647.56	4963.13	647.55	4963.69	647.54	4964.25	647.08	4988.99	647.08	4989.
GR	644.32	4997.	644.06	4997.75	643.8	4998.5	643.63	4999.	643.41	4999.25
GR	642.75	4999.98	642.74	5000.	643.33	5000.75	643.53	5001.	643.63	5001.5
GR	643.78	5002.25	643.94	5003.	646.78	5017.	647.88	5050.99	647.88	5051.
GR	648.38	5100.99	648.38	5101.	648.98	5275.	649.07	5300.	649.22	5344.
GR	649.88	5536.	651.98	5549.	654.88	5567.	659.88	5586.	664.88	5616.
GR	669.88	5729.	670.21	5738.	674.88	5867.	675.47	5888.	677.66	5966.
GR	681.35	6097.	689.31	6380.	694.74	6573.	701.27	6805.	705.48	6955.
GR	708.38	7058.	711.48	7168.	714.88	7289.	0.	0.	0.	0.

SB	1.25	2.37	2.60	0.00	38.92	32.75	44.18	0.26	642.97	642.74
NH	7.	1.	4906.	0.3	4947.	0.18	4959.7	0.061	5003.	0.18
NH	5275.	0.3	5300.	1.	7289.	0.	0.	0.	0.	0.

TRINITY CHURCH ROAD - CULVERT (SR 1622)

X1	17769.	68.	4959.7	5003.	62.	62.	0.00	0.00	0.00	0.00
X2	0.60	0.00	1.00	648.74	651.03	0.00	0.00	0.00	0.00	0.00
X3	10.									
BT	-68.	3726.	690.25	690.23	3861.	687.74	687.72	651.03	651.63	686.79
BT		3954.	686.01	685.99	4008.	685.	684.98	3911.	686.81	686.81
BT		4213.	581.19	581.17	4532.	675.25	675.23	4082.	683.62	683.6
BT		4628.	665.25	665.23	4666.	660.25	660.23	4583.	670.25	670.23
BT		4900.99	651.03	648.33	4901.	651.03	648.33	4720.	655.25	655.23
BT		4947.	651.31	648.15	4950.99	651.33	648.13	4906.	651.06	648.31
BT		4959.7	651.38	647.97	4959.75	651.38	646.52	4951.	651.33	648.13
BT		4960.88	651.39	648.47	4961.44	651.39	648.7	4960.31	651.38	648.01
BT		4962.56	651.4	648.7	4963.13	651.4	648.47	4962.	651.39	648.77
BT		4964.25	651.41	646.52	4988.99	651.55	647.43	4963.69	651.4	648.01
BT		4997.	651.59	645.97	4997.75	651.6	647.43	4989.	651.55	647.43
BT		4999.	651.6	648.77	4999.25	651.61	648.87	4998.5	651.6	648.57
BT		5000.	651.61	646.97	5000.75	651.61	648.87	4999.98	651.61	648.97
BT		5001.5	651.62	648.57	5002.25	651.62	647.95	5001.	651.62	648.77
BT								5003.	651.63	645.97

BT	5017.	651.7	647.13	5050.99	651.89	648.23	5051.	651.89	648.23
BT	5100.99	652.28	648.73	5101.	652.28	648.73	5275.	654.23	649.33
BT	5300.	654.51	649.42	5344.	655.	649.57	5536.	659.68	650.23
BT	5549.	660.	652.33	5567.	560.48	655.23	5586.	660.98	660.23
BT	5616.	665.25	665.23	5729.	670.25	670.23	5738.	670.58	670.56
BT	5867.	675.25	675.23	5898.	675.84	675.82	5866.	678.03	678.01
BT	6097.	681.72	681.7	6380.	689.68	689.66	6573.	695.11	695.09
BT	6805	701.64	701.62	6955.	705.85	705.83	7058.	708.75	708.73
BT	7182.	711.85	711.83	7289.	715.25	715.23	0.	0.	0.
GR	690.23	3726.	3861.	686.79	3911.	685.99	3954.	684.98	4008.
GR	683.6	4082.	4213.	685.23	4532.	670.23	4583.	665.23	4628.
GR	660.23	4666.	4720.	648.33	4900.99	648.33	4901.	648.31	406.
GR	648.15	4947.	4950.99	648.13	4951.	647.97	4959.7	646.52	4959.75
GR	645.03	4960.31	4960.88	644.34	4961.44	644.27	4962.	644.34	4962.56
GR	644.57	4963.13	4963.69	645.52	4964.25	647.43	4988.99	647.43	4989.
GR	645.97	4997.	4997.75	643.37	4998.5	643.17	5001.	643.07	4999.25
GR	642.97	4999.98	5000.	643.07	5050.75	648.23	5050.99	643.37	5001.5
GR	643.99	5002.25	5003.	647.13	5017.	648.23	5300.	649.57	5051.
GR	648.73	5100.99	5101.	649.33	5275.	649.42	5300.	649.57	5344.
GR	650.23	5536.	5549.	655.23	5567.	660.23	5586.	665.23	5616.
GR	670.23	5729.	5738.	675.23	5867.	675.82	5888.	678.01	5966.
GR	691.7	6097.	6380.	695.09	6573.	701.62	6605.	705.83	6955.
GR	708.73	7058.	7168.	715.23	7289.	0.	0.	0.	0.
NH	7.	4906.	0.3	4947.	0.18	4989.	0.061	5017.	0.18
NH	5275.	5300.	1.	7289.	0.	0.	0.	0.	0.
X1	17798.	4989.	5017.	29.01	29.01	29.01	3954.	684.93	4008.
GR	690.18	3726.	3861.	686.74	3911.	685.94	4583.	665.18	4628.
GR	683.55	4082.	4213.	648.28	4532.	648.28	4901.	648.26	4906.
GR	660.18	4666.	4720.	648.03	4900.99	647.92	4959.7	647.92	4959.75
GR	648.1	4947.	4950.99	648.03	4951.	647.88	4962.	647.87	4962.56
GR	647.91	4960.31	4960.88	647.89	4961.44	647.88	4988.99	647.38	4989.
GR	647.86	4963.13	4963.69	647.84	4964.25	647.38	5001.	643.71	4999.25
GR	644.62	4997.	4997.75	644.1	4998.5	643.93	5001.	643.93	5001.5
GR	643.06	4999.98	5000.	643.63	5000.75	643.83	5050.99	643.93	5051.
GR	644.08	5002.25	5003.	647.08	5017.	648.18	5300.	649.52	5344.
GR	618.68	5100.99	5101.	649.28	5275.	649.37	5300.	649.52	5344.
GR	650.16	5536.	5549.	655.18	5567.	660.18	5586.	665.18	5616.
GR	670.18	5729.	5738.	675.18	5867.	675.77	5888.	677.96	5966.
GR	681.65	6097.	6380.	695.04	6573.	701.57	6805.	705.78	6955.
GR	708.68	7058.	7168.	715.18	7289.	0.	0.	0.	0.
HC	7.	4904.	0.1	C.3	0.18	4991.	0.065	5007.	0.18
NH	5055.	5096.	1.	4936.	0.	0.	0.	0.	0.
NH				5467.					

Cross Section 9.7
Cross Section T (HSMW Draft)

X1	18414.	24.	4991.	5007.	615.49	615.49	4708.	655.	4799.
GR	675.	4480.	4538.	665.	4634.	560.	4991.	647.02	4993.
GR	652.19	4904.	4936.	650.	4986.	649.92	5000.	645.02	5004.
GR	646.02	4997.	4998.	644.52	4999.99	644.52	5098.	655.	5240.
GR	649.12	5007.	5019.	650.84	5056.	651.79			

GR 660.	5251.	665.	5309.	670.	5359.	675.	5467.	0.	0.
NH 7.	1.	4904.	0.3	4936.	0.18	4991.	0.065	5007.	0.18
NH 5047.	3.3	5098.	1.	5465.	0.	0.	0.	0.	0.

Cross Section 10.0

Cross Section U (HSMH Draft)

X1 18575.	23.	4991.	5007.	561.	561.	561.	4871.	0.	4904.
GR 075.	4555.	670.	4631.	660.	4799.	655.	4993.	652.54	4997.
GR 650.16	4935.	650.26	4972.	651.26	4991.	648.36	5007.	647.36	5017.
GR 646.36	4998.	645.86	5000.	646.36	5004.	650.46	5340.	660.	5384.
GR 650.26	5037.	650.66	5047.	651.42	5098.	655.	0.	0.	0.
GR 665.	5409.	670.	5425.	575.	5465.	0.	0.	0.	0.

NH 7.	1.	4895.	0.31	4934.	0.19	4991.	0.07	5007.	0.19
NH 5054.	0.31	5093.	1.	5748.	0.	0.	0.	0.	0.

Cross Section 10.5

Cross Section V (HSMH Draft)

X1 19747.	32.	4991.	5007.	772.	772.	772.	4560.	0.	4602.
GR 703.	4443.	595.	4483.	690.	4523.	635.	4789.	680.	4895.
GR 675.	4637.	670.	4670.	665.	4798.	660.	4993.	556.47	4997.
GR 655.17	4934.	655.	4939.	656.42	4991.	652.52	5004.	652.52	5007.
GR 651.52	4998.	651.02	4999.99	5000.	5000.	651.52	5230.	665.	5256.
GR 655.44	5054.	655.29	5093.	5170.	5170.	660.	5401.	690.	5497.
GR 670.	5288.	675.	5316.	680.	5346.	685.	0.	0.	0.
GR 695.	5590.	700.	5748.	0.	0.	0.	0.	0.	0.

NH 7.	1.	4918.	0.32	4950.	0.2	4996.	0.075	5012.	0.2
NH 5062.	0.32	5100.	1.	5637.	0.	0.	0.	0.	0.

Cross Section 11.0

Cross Section W (HSMH Draft)

X1 20402.	30.	4996.	5012.	655.	655.	655.	4569.	0.	4621.
GR 700.	4246.	695.	4355.	690.	4465.	685.	4844.	680.	4918.
GR 675.	4661.	670.	4738.	665.	4798.	660.	4997.	655.39	4999.99
GR 657.2	4950.	656.59	4573.	656.49	4996.	655.89	5022.	657.92	5062.
GR 655.39	5000.	655.89	5011.	657.29	5012.	657.19	5284.	675.	5329.
GR 658.62	5100.	660.	5175.	665.	5245.	670.	5568.	700.	5637.
GR 680.	5359.	685.	5438.	690.	5519.	695.	0.	0.	0.

NH 7.	1.	4894.	0.32	4943.	0.2	4990.	0.075	5011.	0.2
NH 5048.9	0.32	5077.	1.	5829.	0.	0.	0.	0.	0.
QT R.	518.	923.	1084.	1575.	1084.	178.	359.	748.	0.
ET 0.00	0.00	0.00	0.00	0.00	7.11	4875.00	5025.00	0.00	0.00
X1 21007.	65.	4990.	5011.	605.5	605.5	605.5	4347.	0.	4357.
GR 695.33	4233.	894.66	4303.	694.33	4308.	689.33	4556.	688.62	4583.
GR 694.33	4417.	680.9	4463.	679.33	4484.	674.33	4843.	671.83	4894.
GR 669.33	4610.	667.3	4647.	664.33	4701.	662.72	4948.	662.15	4949.
GR 662.09	4898.99	662.09	4899.	661.03	4943.	660.89	4948.99	660.89	4949.
GR 662.09	4990.	660.39	4994.	650.09	4995.5	660.01	4995.88	659.94	4996.25

GR	659.86	4996.63	659.79	4996.99	659.79	4997.	659.77	4997.38	659.75	4997.75
GR	659.77	4996.13	659.7	4998.5	659.59	5000.5	659.55	5001.13	659.51	5001.75
GR	659.48	5002.38	659.44	5002.99	659.44	5003.	659.54	5003.63	659.64	5004.25
GR	659.74	5004.88	659.84	5005.5	5009.	5009.	661.89	5011.	662.57	5024.
GR	663.89	5048.99	663.89	5049.	665.32	5077.	666.19	5093.99	666.19	5094.
GR	674.33	5128.	679.33	5167.	680.26	5184.	684.33	5258.	684.93	5263.
GR	689.33	5300.	694.33	5330.	694.33	5387.	698.58	5461.	699.33	5474.
GR	700.89	5511.	704.27	5591.	707.99	5679.	711.29	5757.	714.33	5829.
NC				0.3	0.5					
NH	7.	1.	4894.	0.32	4943.	0.2	4990.	0.075	5011.	0.2
RH	5048.9	0.32	5077.	1.	5829.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4875.00	5025.00	0.00	0.00
X1	21047.	65.	4990.	5011.	40.	40.	40.			
X3	10.									
GR	699.59	4233.	694.92	4303.	694.59	4308.	689.59	4347.	688.88	4357.
GR	684.59	4417.	681.16	4463.	679.59	4484.	674.59	4556.	672.09	4583.
GR	669.59	4610.	667.56	4647.	664.59	4701.	662.98	4843.	662.41	4894.
GR	662.35	4898.99	662.35	4899.	661.29	4943.	661.15	4948.99	661.15	4949.
GR	662.35	4990.	660.65	4994.	660.35	4995.5	660.27	4955.88	660.2	4996.25
GR	660.12	4995.63	660.05	4996.99	650.05	4997.	660.03	4997.38	660.01	4997.75
GR	659.98	4998.13	659.96	4998.5	659.85	5000.5	659.81	5001.13	659.77	5001.75
GR	659.74	5002.38	659.7	5002.99	659.7	5003.	659.8	5003.63	659.9	5004.25
GR	660.	5004.88	660.1	5005.5	660.65	5009.	662.15	5011.	662.83	5024.
GR	664.15	5048.99	664.15	5049.	665.58	5077.	666.45	5093.99	666.45	5094.
GR	674.59	5128.	679.59	5167.	680.52	5184.	684.59	5258.	685.19	5263.
GR	689.59	5300.	691.31	5330.	694.59	5367.	698.84	5461.	699.59	5474.
GR	701.15	5511.	704.53	5591.	708.25	5679.	711.55	5757.	714.59	5829.
S8	1.25	2.46	2.60	0.00	8.00	2.00	26.70	0.09	650.51	659.71
NH	7.	1.	4894.	0.32	4943.	0.2	4995.5	0.075	5005.5	0.2
NH	5048.5	0.32	5077.	1.	5829.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4875.00	5025.00	0.00	0.00

DUNWOOD BOULEVARD (SR 1838)

X1	21957.	65.	4995.5	5005.5	50.	50.	50.	0.00	0.00	0.00
X2	0.00	0.00	1.00	664.71	665.00	0.00	0.00	0.00	0.00	0.00
X3	10.									
BT	-65.	4233.	700.82	700.8	4303.	700.	696.13	4308.	666.51	695.8
BT		4347.	695.93	690.8	4357.	695.	690.09	4417.	689.34	685.8
BT		4463.	685.	682.37	4484.	683.25	680.8	4556.	677.25	675.8
BT		4583.	675.	673.3	4610.	672.89	670.8	4647.	670.	668.77
BT		4701.	668.62	665.8	4843.	665.	664.19	4894.	666.06	663.62
BT		4898.99	666.16	663.56	4899.	666.16	663.56	4943.	665.42	662.5
BT		4948.99	665.46	662.36	4949.	666.46	662.36	4950.	667.49	663.56
BT		4994.	667.59	661.86	4995.5	667.63	662.24	4995.88	667.67	663.56
BT		4995.25	667.65	663.54	4996.63	667.63	663.69	4996.99	667.67	663.56
BT		4997.	667.67	663.74	4997.38	667.68	663.69	4997.75	667.67	663.56
BT		4998.13	667.7	662.23	4998.5	667.71	662.24	5000.5	667.76	663.54
BT		5001.13	667.77	664.66	5001.75	667.79	665.18	5002.38	667.81	665.43
BT		5002.99	667.82	665.51	5003.	667.82	665.51	5003.63	667.84	665.43
BT		5004.25	667.85	665.18	5004.86	667.87	664.66	5005.5	667.88	663.01
BT		5009.	667.97	661.85	5011.	668.02	663.36	5024.	668.35	664.04

T1 Hayes, Seay, Mattern & Mattern Cabarrus County, NC FIS
T2 Proj. No. EMW-90-C-3101 Eng:LJM/EKL ET:TFH Comm. No. 2373
T3 Afton Run (AR.IN) Date: 10/09/91 100-Year Floodway

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		6.0							599.07	
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.		-1.0							

THIS RUN EXECUTED 09OCT91 14:50:53

HEC-2 WATER SURFACE PROFILES

Version 4.6.2; May 1991

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

Afton Run (AR.IN)

SUMMARY PRINTOUT TABLE 110

SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
286.000	599.07	4.07	599.30	698.51	399.10	1782.34	790.56	.00	.00	4962.00	5012.00	.00
286.000	599.07	.00	599.56	157.47	90.64	2297.22	584.14	.25	4946.70	4962.00	5012.00	5104.17
313.000	599.24	.00	599.30	722.84	1199.55	374.16	1398.29	.00	.00	4996.20	5003.80	.00
* 313.000	599.29	.04	599.56	157.47	1042.65	581.95	1347.39	.25	4946.70	4996.20	5003.80	5104.17
321.500	599.18	.00	599.41	697.69	398.02	1785.29	788.69	.00	.00	4962.00	5012.00	.00
* 321.500	599.23	.05	599.72	156.67	88.89	2297.82	585.28	.25	4947.01	4962.00	5012.00	5103.68
1225.000	601.02	.00	601.19	593.27	828.89	1319.35	823.76	.00	.00	4987.00	5015.00	.00
* 1225.000	601.79	.77	602.04	179.19	715.44	1568.89	687.67	.21	4918.92	4987.00	5015.00	5098.11
* 2183.000	603.00	.00	603.63	208.96	257.51	2321.62	392.87	.00	.00	4983.10	5019.50	.00
* 2183.000	603.99	.99	604.84	57.62	.00	2753.89	218.11	.20	4983.10	4983.10	5019.50	5040.72
3020.000	605.81	.00	606.15	188.73	544.70	1898.00	529.30	.00	.00	4983.10	5019.50	.00
* 3020.000	606.85	1.04	607.15	130.00	508.55	1955.39	508.06	130.00	4940.00	4983.10	5019.50	5070.00
* 3596.000	607.72	.00	608.42	310.30	326.47	1849.97	195.56	.00	.00	4987.00	5015.00	.00
* 3596.000	608.15	.43	609.34	85.00	548.32	2277.45	146.22	85.00	4950.00	4987.00	5015.00	5035.00
4205.400	611.06	.00	611.47	257.39	91.54	2825.40	55.05	.00	.00	4955.50	5033.50	.00
* 4206.400	611.84	.79	612.22	85.00	18.60	2951.67	1.73	85.00	4950.00	4955.50	5033.50	5035.00
* 4290.500	609.89	.00	614.17	21.00	.00	2972.00	.00	.00	.00	4989.50	5010.50	.00
* 4290.500	610.74	.85	614.46	20.50	.00	2972.00	.00	21.00	4990.00	4989.50	5010.50	5011.00
* 4454.500	616.68	.00	618.02	21.00	.00	2972.00	.00	.00	.00	4989.50	5010.50	.00
* 4454.500	616.60	-.08	618.02	20.50	.00	2972.00	.00	21.00	4990.00	4989.50	5010.50	5011.00
* 4476.500	618.33	.00	618.42	427.21	199.52	2610.11	162.37	.00	.00	4955.50	5033.50	.00
* 4476.500	618.18	-.15	618.43	50.00	.00	2972.00	.00	50.00	4975.00	4955.50	5033.50	5025.00

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
*	5134.000	618.58	.00	618.94	432.77	495.86	1847.06	629.08	.00	.00	4990.00	5011.00	.00
	5134.000	619.12	.53	619.57	79.44	399.18	2051.29	521.53	.15	4969.76	4990.00	5011.00	5049.20
*	5452.000	619.11	.00	619.17	274.96	593.82	1925.56	132.61	.00	.00	4952.50	5024.50	.00
*	5452.000	619.75	.64	619.82	150.00	598.89	2042.65	.46	150.00	4875.00	4952.50	5024.50	5025.00
*	5512.000	619.13	.00	619.21	269.82	1493.45	766.82	381.74	.00	.00	4992.50	5007.50	.00
*	5512.000	619.77	.64	619.85	150.00	1603.20	820.67	218.13	150.00	4875.00	4992.50	5007.50	5025.00
	5691.000	619.84	.00	619.91	275.12	1504.80	742.74	388.46	.00	.00	4992.50	5007.50	.00
	5691.000	620.84	1.00	620.92	150.00	1620.18	801.94	219.88	150.00	4875.00	4992.50	5007.50	5025.00
	5707.000	619.86	.00	619.92	274.13	582.16	1927.94	131.90	.00	.00	4952.50	5024.50	.00
*	5707.000	620.87	1.01	620.93	150.00	601.20	2040.34	.46	150.00	4875.00	4952.50	5024.50	5025.00
*	6550.000	620.29	.00	620.46	382.64	735.66	1310.82	595.52	.00	.00	4991.00	5020.00	.00
*	6550.000	621.20	.91	621.44	124.92	626.47	1541.24	474.28	.18	4956.04	4991.00	5020.00	5080.95
	7475.000	621.95	.00	622.04	576.04	816.57	978.91	846.52	.00	.00	4991.00	5020.00	.00
	7475.000	622.92	.97	623.07	190.70	704.60	1185.96	751.45	.20	4937.06	4991.00	5020.00	5127.76
*	8114.000	623.44	.00	623.60	385.17	1196.36	707.09	738.55	.00	.00	4993.00	5007.00	.00
*	8114.000	624.41	.97	624.67	131.50	1183.19	850.93	607.88	.23	4916.05	4993.00	5007.00	5047.55
	8592.000	625.14	.00	625.25	565.38	965.35	646.42	1030.24	.00	.00	4993.00	5007.00	.00
	8592.000	626.14	1.00	626.33	152.19	892.27	777.36	972.37	.23	4931.64	4993.00	5007.00	5083.82
	9298.000	627.18	.00	627.27	613.97	1179.80	584.99	877.21	.00	.00	4993.00	5007.00	.00
	9298.000	628.20	1.01	628.35	149.21	1162.44	703.73	775.82	.22	4912.25	4993.00	5007.00	5061.45
	9760.000	628.57	.00	628.73	477.07	901.83	875.50	864.67	.00	.00	4983.00	5004.00	.00
	9760.000	629.56	.99	629.82	143.54	794.46	1076.72	770.82	.23	4935.69	4983.00	5004.00	5079.23
	10968.000	632.76	.00	633.02	598.32	527.39	1361.68	344.73	.00	.00	4981.00	5013.00	.00
	10968.000	633.48	.72	633.74	245.00	474.44	1431.90	327.67	245.00	4855.00	4981.00	5013.00	5100.00
	11042.000	633.01	.00	633.26	599.65	528.82	1359.54	345.64	.00	.00	4981.00	5013.00	.00
	11042.000	633.68	.68	633.94	245.00	473.56	1433.39	327.95	245.00	4855.00	4981.00	5013.00	5100.00
*	11094.000	635.02	.00	635.17	697.56	711.21	975.50	547.29	.00	.00	4986.00	5004.50	.00
*	11094.000	636.06	1.04	636.22	245.00	638.53	1062.28	533.19	245.00	4855.00	4986.00	5004.50	5100.00
	11113.000	635.08	.00	635.21	697.82	614.57	1219.84	399.59	.00	.00	4981.00	5013.00	.00
	11113.000	636.12	1.04	636.26	245.00	533.05	1331.64	369.30	245.00	4855.00	4981.00	5013.00	5100.00
	11799.000	636.27	.00	636.31	510.16	867.36	305.94	1060.70	.00	.00	4995.00	5005.50	.00
	11799.000	637.21	.94	637.28	198.76	807.64	376.91	1049.46	.21	4907.91	4995.00	5005.50	5106.67
*	12740.000	639.78	.00	639.96	341.21	1296.56	393.47	543.97	.00	.00	4995.00	5005.50	.00
*	12740.000	640.74	.96	641.05	147.57	1365.88	532.79	335.33	.27	4879.50	4995.00	5005.50	5027.07

SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
* 13310.000	642.01	.00	642.05	542.35	1079.83	284.43	869.74	.00	.00	4995.00	5005.50	.00
* 13310.000	643.04	1.03	643.09	247.73	1082.30	345.40	806.31	.19	4833.76	4995.00	5005.50	5081.49
13892.000	643.35	.00	643.43	385.10	807.22	327.63	1099.15	.00	.00	4995.50	5004.00	.00
13892.000	644.30	.95	644.42	144.00	730.95	393.64	1105.41	.22	4944.09	4995.50	5004.00	5088.08
14408.000	644.65	.00	644.70	432.81	757.69	282.16	1194.16	.00	.00	4995.50	5004.00	.00
14408.000	645.61	.90	645.69	176.85	678.37	342.89	1212.74	.21	4936.80	4995.50	5004.00	5113.66
15024.000	646.04	.00	646.18	467.63	910.59	677.71	645.70	.00	.00	4995.00	5011.00	.00
15024.000	647.00	.96	647.21	119.33	867.87	825.49	540.64	.22	4931.73	4995.00	5011.00	5051.06
15712.000	647.73	.00	647.83	418.40	749.91	652.87	831.21	.00	.00	4995.00	5011.00	.00
15712.000	648.73	1.00	648.88	139.46	692.75	773.31	767.94	.20	4939.19	4995.00	5011.00	5078.65
16421.000	649.33	.00	649.46	468.18	685.45	793.54	755.00	.00	.00	4986.00	5005.00	.00
16421.000	650.31	.98	650.50	149.82	597.19	951.79	685.02	.22	4925.24	4986.00	5005.00	5075.06
17595.000	652.03	.00	652.12	765.67	358.46	796.24	1079.30	.00	.00	4989.00	5017.00	.00
17595.000	653.04	1.01	653.17	257.40	82.54	984.82	1166.63	.27	4975.07	4989.00	5017.00	5232.46
17707.000	652.26	.00	652.35	761.86	357.60	807.89	1068.51	.00	.00	4989.00	5017.00	.00
17707.000	653.26	1.00	653.40	252.26	73.25	1003.16	1157.59	.26	4976.55	4989.00	5017.00	5229.42
* 17769.000	653.52	.00	653.57	791.56	200.11	845.52	1188.37	.00	.00	4959.70	5003.00	.00
* 17769.000	654.41	.89	654.48	252.86	.00	716.13	1517.87	.24	4976.55	4959.70	5003.00	5229.42
17798.000	653.55	.00	653.60	794.38	364.26	724.14	1145.60	.00	.00	4989.00	5017.00	.00
17798.000	654.45	.90	654.53	285.34	135.75	880.10	1218.15	.24	4965.80	4989.00	5017.00	5251.14
* 18414.000	654.75	.00	655.17	420.70	554.46	1033.90	645.64	.00	.00	4991.00	5007.00	.00
* 18414.000	655.60	.85	656.22	98.83	435.30	1247.55	551.14	.26	4952.68	4991.00	5007.00	5051.52
* 18975.000	657.33	.00	657.43	523.16	723.31	680.08	830.61	.00	.00	4991.00	5007.00	.00
* 18975.000	658.33	1.00	658.46	163.91	667.78	774.02	792.20	.20	4935.58	4991.00	5007.00	5099.48
* 19747.000	660.19	.00	660.38	444.28	701.18	719.78	813.04	.00	.00	4991.00	5007.00	.00
* 19747.000	661.07	.88	661.33	144.04	608.59	891.26	734.15	.26	4935.87	4991.00	5007.00	5079.91
20402.000	663.72	.00	663.83	417.35	842.76	613.31	777.93	.00	.00	4996.00	5012.00	.00
* 20402.000	664.74	1.02	664.91	140.31	770.21	747.47	716.32	.22	4936.68	4996.00	5012.00	5077.19
* 21007.000	665.05	.00	666.14	421.38	526.31	451.26	106.43	.00	.00	4990.00	5011.00	.00
* 21007.000	666.91	.87	667.01	150.00	517.89	498.79	67.32	150.00	4875.00	4990.00	5011.00	5025.00
21047.000	666.19	.00	666.29	417.22	524.30	455.87	103.82	.00	.00	4990.00	5011.00	.00
21047.000	667.02	.83	667.13	150.00	515.95	501.46	66.59	150.00	4875.00	4990.00	5011.00	5025.00
* 21097.000	667.43	.00	667.48	418.02	685.20	230.00	168.80	.00	.00	4995.50	5005.50	.00
* 21097.000	668.43	1.01	668.49	150.00	637.74	254.19	132.06	150.00	4875.00	4995.50	5005.50	5025.00

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SECNO	CWSEL	DIFXMS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
21108.000	667.46	.00	667.55	416.87	524.13	456.27	103.60	.00	.00	4990.00	5011.00	.00
21108.000	668.45	1.00	668.55	150.00	518.10	498.50	67.39	150.00	4875.00	4990.00	5011.00	5025.00

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SUMMARY OF ERRORS AND SPECIAL NOTES

CAUTION SECNO=	4290.500	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4290.500	PROFILE=	1	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	17769.000	PROFILE=	1	HYDRAULIC JUMP D.S.
CAUTION SECNO=	17769.000	PROFILE=	2	HYDRAULIC JUMP D.S.
CAUTION SECNO=	21097.000	PROFILE=	1	HYDRAULIC JUMP D.S.
CAUTION SECNO=	21097.000	PROFILE=	2	HYDRAULIC JUMP D.S.

FLOODWAY DATA, Afton Run (AR.IN)
PROFILE NO. 2

REGULATORY

STATION	FLOODWAY SECTION		MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE	
	WIDTH	AREA		WITH FLOODWAY	WITHOUT FLOODWAY		
286.000	157.	784.	3.8	599.1	599.1	.0	
313.000	157.	881.	3.4	599.2	599.2	.0	
321.500	157.	786.	3.8	599.2	599.2	.0	
A 1225.000	179.	1238.	2.4	601.8	601.0	.8	605.0 A
B 2183.000	58.	467.	6.4	604.0	603.0	1.0	605.0 B
C 3020.000	130.	978.	3.0	606.8	605.8	1.0	605.3 C
D 3596.000	85.	466.	6.4	608.1	607.7	.4	607.7 D
4206.400	85.	624.	4.8	611.9	611.1	.8	
4290.500	21.	192.	15.5	610.7	609.9	.8	
4454.500	21.	310.	9.6	616.6	616.7	-.1	
4476.500	50.	736.	4.0	618.1	618.3	-.2	
E 5134.000	79.	834.	3.6	619.1	618.6	.5	618.6 E
5452.000	150.	1738.	1.5	619.7	619.1	.6	
5512.000	150.	1637.	1.6	619.7	619.1	.6	
5691.000	150.	1796.	1.5	620.8	619.8	1.0	
5707.000	150.	1777.	1.5	620.9	619.9	1.0	
F 6550.000	125.	1054.	2.5	621.2	620.3	.9	620.3 F
G 7275.000	191.	1467.	1.8	622.9	621.9	1.0	621.9 G
H 8114.000	131.	928.	2.8	624.4	623.4	1.0	623.4 H
I 8592.000	152.	1038.	2.4	626.1	625.1	1.0	625.1 I
J 9298.000	149.	1173.	2.3	628.2	627.2	1.0	627.2 J
K 9760.000	144.	993.	2.7	629.6	628.6	1.0	628.6 K
10968.000	245.	1443.	1.5	633.5	632.8	.7	
11042.000	245.	1437.	1.6	633.7	633.0	.7	
11094.000	245.	1984.	1.1	636.0	635.0	1.0	
11113.000	245.	1971.	1.1	636.1	635.1	1.0	
L 11799.000	193.	1575.	1.4	637.2	636.3	.9	636.3 L
M 12740.000	148.	883.	2.5	640.8	639.8	1.0	639.8 M
N 13310.000	248.	1990.	1.1	643.0	642.0	1.0	642.0 N
O 13892.000	144.	1081.	2.1	644.3	643.3	1.0	643.3 O
P 14408.000	177.	1399.	1.6	645.7	644.7	1.0	644.7 P
Q 15024.000	119.	914.	2.4	647.0	646.0	1.0	646.0 Q
R 15712.000	139.	1145.	2.0	648.7	647.7	1.0	647.7 R
S 16421.000	150.	1072.	2.1	650.3	649.3	1.0	649.3 S
17595.000	257.	1412.	1.6	653.0	652.0	1.0	
17707.000	253.	1360.	1.6	653.3	652.3	1.0	
17769.000	253.	1552.	1.4	654.4	653.5	.9	
17798.000	285.	1772.	1.3	654.4	653.5	.9	
T 18414.000	99.	594.	3.8	655.6	654.8	.8	654.8 T
U 18975.000	164.	1306.	1.7	658.3	657.3	1.0	657.3 U
V 19747.000	144.	849.	2.7	661.1	660.2	.9	660.2 V
W 20402.000	140.	1074.	2.1	664.7	663.7	1.0	663.7 W

FLOODWAY DATA, Afton Run (AR.IN)
PROFILE NO. 2

STATION	WIDTH	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WATER SURFACE ELEVATION WITHOUT FLOODWAY	DIFFERENCE
21007.000	150.	812.	1.3	666.9	666.0	.9
21047.000	150.	789.	1.4	667.0	666.2	.8
21097.000	150.	813.	1.3	668.4	667.4	1.0
21108.000	150.	814.	1.3	668.5	667.5	1.0