

Exhibit CLCH2

Clarke Creek HEC-2 Output

Study Contractor : Hayes, Geay, Mattorn & Mattorn
Contract Number : EMW-90-C-1107
HSMM Number : 2373

Multiple Output

Clarke Creek HEC-2 Output Multiple

Study Contractor : Hayes, Seay, Mattern & Mattout
Contract Number : EMW-90-C-3101
HSMN Number : 2373

050CT91 17:38:50

SB	1.25	1.95	2.60	0.00	103.32	1.98	1055.00	0.20	588.18	588.18
NH	6.	1.	4850.	0.26	4921.	0.18	4934.1	0.059	5081.7	5081.7
NH	5120.	1.	6289.	0.	0.	0.	0.	0.	0.	0.

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HEC-2 Input file created with Codej2
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Version: 3.79
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Run Date: Saturday October 5, 1991
Run Time: 17:38:46
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The Following Options Have Been Activated:

1. MULTIPLE Option.
2. HEC1 Option.
3. SUMMARY_150 Option.

COX HILL ROAD (SR 1448)

X1	695.	86.	4934.1	5081.7	31.	31.	31.	0.00	0.00	0.00
X2	0.00	0.00	1.00	598.38	600.28	0.00	0.00	600.28	600.38	600.38
X3	10.	-56.	3867.	535.02	3974.	820.88	630.86	3992.	630.02	630.02
BT			4072.	625.51	4081.	625.02	625.	4178.	620.53	620.53
BT			4199.	620.02	4330.	615.56	615.	4349.	615.	615.
BT			4390.	612.72	4439.	610.	608.09	4518.	607.63	607.63
BT			4606.	605.	4630.	604.65	600.	4890.	600.26	600.26
BT			4910.	600.57	4921.	600.41	592.21	4929.89	600.28	600.28
BT			4930.	602.48	4939.01	602.48	592.24	4934.1	602.48	602.48
BT			4934.11	602.46	4934.2	602.48	598.28	4945.5	602.49	602.49
BT			4985.	602.5	4975.	602.51	598.31	4980.99	602.51	602.51
BT			4981.	602.51	4981.5	602.51	589.28	4981.99	602.51	602.51
BT			4982.01	602.51	4990.	602.52	598.32	4999.99	602.51	602.51
BT			5000.	602.53	5010.	602.53	598.33	5020.	602.54	602.54
BT			5030.93	602.55	5031.	602.55	590.55	5031.5	602.55	602.55
BT			5031.99	602.55	5032.01	602.55	598.35	5040.	602.55	602.55
BT			5046.5	602.55	5055.	602.56	598.36	5081.6	602.58	602.58
BT			5081.69	602.58	5031.7	602.58	594.06	5082.99	602.58	602.58
BT			5083.	602.58	5399.	600.38	594.1	5103.	600.57	600.57
BT			5120.	600.73	5033.01	603.41	600.	5565.	605.	605.
BT			5620.	606.16	5762.	610.02	610.	5803.	612.4	612.4
BT			5848.	615.02	5905.	618.26	618.24	5936.	620.02	620.02
BT			5973.	621.24	6088.	625.02	625.	6123.	626.56	626.56
BT			6202.	630.02	6208.	630.25	630.23	6289.	635.02	635.02
GR	635.	3887.	630.86	3974.	630.	3992.	625.51	4072.	625.	625.
GR	620.51	4178.	620.	4189.	4330.	4330.	619.42	4349.	610.	610.
GR	649.09	4439.	605.	4518.	4606.	4606.	600.	4630.	592.74	592.74
GR	592.16	4310.	592.21	4921.	592.24	4929.99	592.24	4930.	4930.01	4930.01
GR	597.25	4934.1	598.29	4934.11	4934.2	4934.2	4945.5	4967.	4967.	4967.
GR	591.08	5375.	599.42	4980.99	585.42	4981.	589.29	4981.5	589.22	4981.5
GR	589.21	4982.01	586.16	4990.	588.58	4999.99	588.58	5000.	588.58	5010.

GR	589.88	5020.	590.55	5030.99	590.55	5031.	590.58	5031.5	590.58	5031.99
GR	590.56	5032.01	590.59	5040.	592.08	5046.5	593.28	5055.	594.06	5081.7
GR	598.38	5081.69	594.06	5081.7	594.1	5082.99	594.1	5083.	594.1	5083.01
GR	594.68	5103.	594.99	5120.	600.	5399.	603.76	5565.	605.	5620.
GR	610.	5762.	612.38	5203.	615.	5848.	618.24	5905.	620.	5936.
GR	621.22	5973.	625.	6089.	626.54	6123.	630.	6202.	630.23	6206.
GR	635.	6289.	0.	0.	0.	0.	0.	0.	0.	0.

NH	7.	1.	4890.	0.26	4921.	0.18	4945.5	0.059	5055.	0.18
NH	5081.6	0.26	5120.	1.	6289.	0.	0.	0.	0.	0.
X1	805.5	66.	4945.5	5055.	110.5	110.5	110.5	0.	0.	0.
GR	635.23	3687.	631.09	3974.	630.23	3992.	625.74	4072.	625.23	4081.
GR	620.74	4178.	620.23	4189.	615.23	4330.	613.65	4349.	610.23	4390.
GR	608.32	4439.	605.23	4518.	601.3	4605.	600.23	4630.	592.97	4830.
GR	592.41	4910.	592.44	4921.	592.47	4929.99	592.47	4930.	592.47	4930.01
GR	592.48	4934.1	592.48	4934.11	592.48	4934.2	592.51	4945.5	591.21	4965.
GR	591.31	4975.	589.65	4960.99	589.65	4981.	589.51	4981.5	589.45	4981.99
GR	589.44	4982.01	588.41	4990.	588.81	4999.99	588.81	5000.	588.81	5010.
GR	590.11	5020.	590.78	5030.99	590.78	5031.	590.81	5031.5	590.81	5031.99
GR	590.81	5022.01	590.81	5040.	592.31	5046.5	593.51	5055.	594.29	5081.6
GR	594.29	5081.69	594.29	5081.7	594.33	5082.99	594.33	5083.	594.33	5083.01
GR	594.91	5103.	595.22	5120.	600.23	5399.	603.99	5565.	605.23	5620.
GR	610.23	5762.	612.61	5803.	615.23	5848.	618.47	5905.	620.23	5936.
GR	621.45	5973.	625.23	5088.	626.77	6123.	630.23	6202.	630.46	6206.
GR	635.23	6289.	0.	0.	0.	0.	0.	0.	0.	0.

NC				0.1	0.3					
NH	7.	1.	4886.	0.25	4929.	0.18	4938.	0.061	5013.	0.19
NH	5069.	0.26	5163.	1.	5932.	0.	0.	0.	0.	0.

Cross Section A1
Cross Section A (HSMH Draft)

X1	1468.	25.	4988.	5013.	662.5	662.5	662.5		0.	
GR	630.	4014.	625.	4235.	620.	4368.	615.	4770.	510.	4788.
GR	605.	4604.	600.	4817.	596.64	4886.	594.54	4929.	591.67	4988.
GR	589.97	4995.	589.77	4999.99	589.77	5000.	589.87	5009.	591.67	5013.
ER	592.61	5069.	594.2	5163.	600.	5507.	605.	5618.	610.	5681.
GR	615.	5732.	620.	5778.	625.	5825.	630.	5879.	635.	5932.

NH	7.	1.	4904.	0.25	4951.	0.18	4988.	0.061	5013.	0.19
NH	5053.	0.26	5092.	1.	5483.	0.	0.	0.	0.	0.

Cross Section A2
Cross Section B (HSMH Draft)

X1	2143.	25.	4988.	5013.	675.	675.	675.		0.	
GR	630.	3603.	625.	3828.	620.	4019.	615.	4478.	610.	4568.
GR	605.	4500.	600.	4616.	594.63	4904.	593.75	4951.	593.06	4988.
GR	591.36	4995.	591.16	4999.99	591.16	5000.	591.28	5009.	593.06	5013.
GR	600.	5038.	601.92	5053.	605.	5077.	606.27	5092.	610.	5136.
GR	615.	5250.	620.	5302.	625.	5381.	630.	5419.	635.	5483.

NH	7.	1.	4916.	0.25	4965.	0.18	4988.	0.061	5013.	0.19
NH	5111.	0.26	5179.	1.	5798.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4655.00	5275.00	0.00	0.00

Cross Section A3

Cross Section C (HSNH Draft)

XI	2833.	24.	4988.	5013.	740.	740.	740.	0.	0.	0.
GR	625.	3794.	620.	3978.	615.	4146.	610.	4267.	605.	4435.
GR	600.	4598.	595.58	4916.	594.9	4988.	594.58	4988.	592.88	4995.
GR	592.68	4999.99	592.68	5000.	592.78	5009.	594.58	5013.	596.37	5111.
GR	597.61	5179.	600.	5310.	605.	5357.	610.	5393.	615.	5431.
GR	620.	5888.	625.	5682.	630.	5732.	635.	5798.	0.	0.

NH	7.	1.	4860.	0.24	4912.	0.17	4988.	0.061	5013.	0.2
NH	5053.	0.27	5122.	1.	5764.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4160.60	5320.00	0.00	0.00

Cross Section A4

Cross Section D (HSMK Draft)

XI	3805.	24.	4988.	5013.	922.	922.	922.	0.	0.	0.
GR	625.	3256.	620.	3423.	615.	3505.	610.	3731.	605.	3890.
SR	600.	4114.	595.99	4860.	596.78	4912.	596.47	4988.	594.77	4995.
GR	594.57	4999.99	594.57	5000.	594.67	5009.	595.47	5013.	596.77	5053.
GR	597.29	5122.	600.	5484.	605.	5544.	610.	5581.	615.	5612.
GR	620.	5644.	625.	5679.	630.	5717.	635.	5764.	0.	0.

NH	7.	1.	4883.	0.24	4934.	0.17	4988.	0.065	5013.	0.21
NH	5068.	0.28	5113.	1.	6453.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4685.00	5970.00	0.00	0.00

Cross Section A5

Cross Section E (HSMH Draft)

XI	4785.	26.	4988.	5013.	980.	980.	980.	0.	0.	0.
UK	635.	4020.	630.	4089.	625.	4135.	620.	4205.	615.	4260.
GR	610.	4320.	605.	4434.	600.	4699.	599.04	4893.	598.77	4934.
GR	598.49	4988.	595.79	4995.	596.59	4999.99	596.59	5000.	596.69	5009.
GR	595.49	5013.	598.57	5066.	598.63	5113.	600.	6076.	605.	6178.
GR	610.	5218.	615.	5264.	621.	6293.	625.	6339.	630.	6388.
GR	635.	6453.	0.	0.	0.	0.	0.	0.	0.	0.

NH	7.	1.	4875.	0.24	4921.	0.17	4988.	0.065	5013.	0.21
NH	5069.	0.28	5120.	1.	6496.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4325.00	5550.00	0.00	0.50

Cross Section A

Cross Section F (HSMW Draft)

X1	5500.	29.	4988.	5013.	715.	715.	3840.	0.	715.	0.	4017.
GR	635.	3639.	630.	3678.	625.	620.	4875.	615.	620.	615.	4921.
GR	610.	4091.	605.	4526.	600.	599.97	4999.	599.97	599.97	599.97	4999.99
GR	599.96	4978.	599.96	4988.	598.26	598.56	4999.	598.06	598.06	598.06	4999.99
GR	598.06	5000.	598.86	5005.	5009.	599.96	5009.	600.26	600.26	600.26	5023.
GR	600.24	5069.	600.21	5120.	600.	605.	6135.	610.	610.	610.	6265.
GR	615.	6340.	620.	6364.	625.	635.	6496.	0.	0.	0.	0.
NH	7.	1.	4807.	0.26	4902.	4988.	0.065	5013.	5013.	5013.	1.2
NH	5062.	0.27	5123.	1.	5517.	0.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	7.11	4350.00	5250.00	0.00	0.00	0.00	0.00

Cross Section A6

X1	6092.	26.	4988.	5013.	592.	592.	3783.	0.	592.	0.	3916.
GR	640.	3522.	635.	3600.	630.	625.	4882.	620.	620.	620.	4807.
GR	615.	4048.	610.	4226.	605.	600.	4999.99	600.1	600.1	600.1	5000.
GR	600.12	4902.	609.15	4998.	598.25	598.25	4999.99	598.25	598.25	598.25	5000.
GR	596.35	5009.	600.15	5013.	600.04	600.04	5123.	600.	600.	600.	5163.
GR	605.	5222.	610.	5264.	620.	625.	5372.	635.	635.	635.	5467.
GR	640.	5517.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NH	7.	1.	4873.	0.26	4926.	4988.	0.065	5013.	5013.	5013.	0.2
NH	5053.	0.27	5058.	1.	5788.	0.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	7.11	4660.00	5350.00	0.00	0.00	0.00	0.00

Cross Section A7

X1	6869.	26.	4988.	5013.	797.	797.	4168.	0.	797.	0.	4269.
GR	640.	3809.	635.	3896.	630.	625.	4873.	620.	620.	620.	4926.
GR	615.	4468.	610.	4585.	605.	602.16	5000.	601.36	601.36	601.36	5009.
GR	609.41	4988.	598.71	4995.	598.51	598.51	5000.	598.61	598.61	598.61	5009.
GR	600.41	5013.	601.	5053.	605.	605.	5323.	610.	610.	610.	5401.
GR	615.	5458.	620.	5520.	625.	630.	5628.	635.	635.	635.	5691.
GR	640.	5788.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NH	7.	1.	4897.	0.27	4928.	4982.	0.07	5005.	5005.	5005.	0.2
NH	5058.	0.27	5104.	1.	5582.	0.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	12.41	0.00	0.00	0.00	0.00	0.00	0.00

Cross Section B

X1	8214.	26.	4982.	5005.	1325.	1325.	4357.	0.	1325.	0.	4453.
GR	635.	4051.	630.	4182.	625.	620.	4887.	615.	615.	615.	4928.
GR	610.	4547.	605.	4635.	602.84	602.84	4994.	603.02	603.02	603.02	4999.99
GR	603.24	4982.	602.94	4984.	599.34	599.34	5058.	604.87	604.87	604.87	5164.
GR	600.24	5000.	602.94	5072.	603.24	603.24	5210.	625.	625.	625.	5238.
GR	605.	5112.	610.	5135.	615.	620.	5398.	630.	630.	630.	5495.
GR	630.	5398.	635.	5495.	640.	640.	0.	0.	0.	0.	0.

MH 7.	100.	4640.	0.25	4929.	0.16	4982.	0.07	5005.	0.18
MH 5077.	0.27	5280.	100.	5690.	0.	0.	0.	0.	0.
ET 0.00	0.00	0.00	0.00	0.00	7.11	4650.00	5280.00	0.00	0.00

Cross Section BI
Cross Section J (HSMH Draft)

XI 8964.	22.	4982.	5005.	750.	750.	750.	0.	0.	0.
GR 625.	4122.	620.	4140.	615.	4155.	610.	4170.	605.	4195.
GR 604.39	4640.	603.99	4929.	603.62	4982.	603.62	4984.	600.92	4986.
GR 600.02	4994.	599.62	4999.99	5000.	5000.	603.62	5002.	503.92	5005.
GR 604.04	5077.	604.39	5280.	605.	5635.	610.	5645.	615.	5660.
GR 620.	5667.5	625.	5690.	0.	0.	0.	0.	0.	0.
MH 7.	1.	4873.	0.2	4917.	0.12	4990.	0.058	5012.	0.15
MH 5061.	0.22	5116.	1.	5686.	0.	0.	0.	0.	0.
ET 0.00	0.00	0.00	0.00	0.00	12.41	0.00	0.00	0.00	0.00

Cross Section C
Cross Section K (HSMH Draft)

XI 9154.	27.	4990.	5012.	690.	690.	690.	0.	0.	0.
GR 635.	4364.	630.	4438.	625.	4495.	620.	4574.	615.	4681.
GR 610.	4779.	607.05	4673.	604.95	4917.	604.95	4940.	605.	4967.
GR 605.25	4990.	604.75	4990.5	602.05	4991.	600.25	4999.99	600.25	5080.
GR 602.25	5007.	604.75	5011.	605.35	5012.	605.3	5061.	605.25	5116.
GR 605.	5384.	610.	5492.	620.	5520.	625.	5530.	630.	5575.
GR 635.	5611.	640.	5686.	0.	0.	0.	0.	0.	0.
MH 7.	1.	4880.	0.22	4940.	0.15	4990.	0.058	5012.	0.17
MH 5046.	0.24	5104.	1.	5972.	0.	0.	0.	0.	0.

Cross Section CI
Cross Section L (HSMH Draft)

XI 18571.	27.	4990.	5012.	917.	917.	917.	0.	0.	0.
GR 640.	3975.	635.	4196.	630.	4346.	630.	4496.	625.	4592.
GR 606.76	4666.	615.	4709.	608.28	4754.	608.28	4880.	607.46	4940.
GR 603.78	4990.	606.28	4990.5	603.58	4991.	601.78	4999.99	601.78	5000.
GR 610.	5307.	606.28	5011.	606.88	5012.	607.12	3046.	607.52	5104.
GR 635.	5889.	615.	5524.	520.	5587.	625.	5647.	630.	5821.
GR 635.	5889.	640.	5972.	0.	0.	0.	0.	0.	0.
MH 7.	1.	4901.	0.25	4942.	0.175	4987.	0.058	5017.	0.18
MH 5061.	0.26	5130.	1.	5428.	0.	0.	0.	0.	0.

Cross Section O
Cross Section H (HSMH Draft)

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XI	11315.	28.	4987.	5017.	744.	744.	744.	4486.	0.	4565.
GR	635.	4233.	630.	4351.	4399.	4399.	4399.	4486.	615.	4987.
GR	610.	4715.	608.85	4901.	4942.	4942.	4942.	4957.	608.81	5007.
GR	607.31	4988.5	604.11	4991.	4999.99	4999.99	4999.99	5000.	605.21	5115.
GR	607.01	5009.	609.11	5017.	5032.	5032.	5032.	5081.	610.	5279.
GR	611.23	5130.	615.	5176.	5734.	5734.	5734.	5243.	630.	0.
GR	635.	5338.	640.	5379.	5428.	5428.	5428.	0.	0.	0.
NH	7.	1.	4906.	0.21	0.14	0.14	0.14	0.058	5044.	0.17
NH	5070.	0.24	5124.	1.	0.	0.	0.	0.	0.	0.

Cross Section E (HSMH Draft)
Cross Section N (HSMH Draft)

XI	12514.	30.	4986.	5044.	1199.	1199.	1199.	4906.	0.	4919.
GR	645.	4783.	635.	4843.	4896.	4896.	4896.	4986.	620.	4996.
GR	617.25	4947.	615.	4970.	4984.	4984.	4984.	5009.	608.11	5017.
GR	606.51	4998.	605.01	4999.99	5000.	5000.	5000.	5059.	605.31	5076.
GR	605.11	5024.	606.41	5030.	5044.	5044.	5044.	5059.	608.85	5376.
GR	602.52	5124.	610.	5163.	5308.	5308.	5308.	5336.	620.	5622.
GR	625.	5413.	630.	5445.	5486.	5486.	5486.	5559.	645.	0.175
NH	7.	1.	4888.	0.26	0.175	0.175	0.175	0.06	5026.	0.
NH	5067.	0.26	5120.	1.	0.	0.	0.	0.	0.	0.00
ET	0.00	0.00	0.00	0.00	8.41	8.41	8.41	0.00	0.00	0.00

Cross Section F (HSMH Draft)
Cross Section O (HSMH Draft)

XI	14374.	28.	4965.	5026.	1860.	1860.	1860.	4841.	0.	4888.
GR	650.	4707.	645.	4724.	4772.	4772.	4772.	4970.	620.65	4980.
GR	620.	4995.	617.36	4932.	4965.	4965.	4965.	5000.	613.31	5010.
GR	609.61	4988.	608.61	4950.	4999.99	4999.99	4999.99	5026.	607.01	5036.
GR	607.91	5014.	609.51	5015.	5017.	5017.	5017.	5193.	614.01	5245.
GR	614.27	5067.	614.71	5120.	5155.	5155.	5155.	0.	625.	0.
GR	635.	5316.	645.	5408.	5438.	5438.	5438.	0.	0.	0.
NH	7.	1.	4841.	0.26	0.175	0.175	0.175	0.06	5026.	C.175
NH	5056.	0.26	5099.	1.	0.	0.	0.	0.	0.	0.
ET	0.50	0.00	0.00	0.00	9.41	9.41	9.41	0.00	0.00	0.00

Cross Section Fl (HSMH Draft)
Cross Section P (HSMH Draft)

XI	15244.	31.	4990.	5026.	870.	870.	870.	4582.	0.	4654.
GR	650.	4461.	645.	4500.	4540.	4540.	4540.	4917.	630.	4965.
GR	625.	4977.	620.	4762.	4941.	4941.	4941.	4990.	615.	4999.99
GR	614.24	4980.	610.	4984.	4988.	4988.	4988.	5015.	607.94	5017.
GR	607.94	5000.	607.84	5010.	5014.	5014.	5014.	5099.	613.04	5180.
GR	615.14	5026.	615.07	5055.	5086.	5086.	5086.	5391.	620.	5437.
GR	625.	5219.	630.	5259.	5345.	5345.	5345.	0.	645.	0.
GR	650.	5468.	660.	5468.	5468.	5468.	5468.	0.	0.	0.

NH	7.	1.	4875.	0.26	4927.	0.175	4964.	0.06	5007.	0.175
NH	5049.	0.26	5085.	1.	5201.	0.	0.	0.	0.	0.

Cross Section 6
Cross Section Q (HSMH Draft)

X1	16234.	31.	4964.	5007.	990.	990.	990.	4752.	0.	4838.
GR	645.	4439.	640.	4537.	635.	4702.	630.	4958.	625.	4964.
GR	620.	4874.	619.96	4875.	610.1	4977.	609.9	4989.	609.8	4995.
GR	614.7	4971.	610.6	4973.	610.1	5000.	610.1	5002.	614.8	5004.
GR	609.6	4998.	609.	4999.99	614.3	5032.	613.6	5044.	615.	5049.
GR	616.4	5007.	615.6	5017.	625.24	5085.	635.	5126.	645.	5169.
GR	620.	5072.	625.	5094.	0.	0.	0.	0.	0.	0.
GR	650.	5201.	0.	0.	5027.	0.058	5027.	0.14	5045.	0.22
NH	5095.9	1.	5375.	0.	0.	0.	0.	0.	0.	0.
X1	16906.	81.	4940.1	5027.	672.36	672.36	643.7	3315.	640.05	3461.
GR	650.05	3129.	645.42	3172.	645.05	3261.	634.39	3999.	630.05	4276.
GR	639.24	3541.	637.05	3758.	620.05	3957.	619.51	4739.99	619.51	4740.
GR	627.8	4394.	625.05	4538.	617.84	4899.	617.41	4939.99	617.41	4940.
GR	618.85	4803.	617.94	4890.	617.41	4940.1	617.41	4940.11	617.39	4940.2
GR	617.41	4940.01	617.41	4890.	614.	4959.5	613.91	4960.	613.91	4960.49
GR	615.01	4954.	614.	4959.49	614.	4979.49	614.29	4979.5	614.31	4980.
GR	614.27	4960.51	614.01	4971.	614.01	4984.	609.81	4988.	609.61	4992.3
GR	609.24	4980.49	614.27	4980.51	609.21	4993.99	609.21	5000.	609.21	5000.49
GR	609.21	4999.49	609.24	4999.5	609.21	5019.49	608.92	5019.5	608.91	5020.
GR	609.21	5000.51	609.21	5008.	609.92	5022.7	614.31	5027.	615.05	5033.
GR	609.92	5020.49	609.02	5020.51	609.51	5040.	616.45	5040.49	616.46	5040.51
GR	616.31	5039.49	616.31	5039.5	616.41	5040.	618.23	5060.	618.24	5060.09
GR	616.67	5045.	616.22	5059.9	618.23	5059.99	618.23	5095.99	621.21	5096.
GR	618.24	5060.1	618.24	5060.11	620.05	5080.	621.21	5177.	638.73	5219.
GR	625.05	5114.	628.24	5137.	630.05	5150.	635.05	5320.	638.73	5219.
GR	640.05	5234.	641.65	5250.	645.05	5284.	648.65	0.	650.05	5334.
GR	650.05	5375.	0.	0.	0.	0.	0.	0.	0.	0.

NC	5.	3.	4959.	0.3	0.5	0.058	5060.	0.22	5095.99	1.
NH	5375.	6.	0.	0.25	4940.1	0.	0.	0.	0.	0.
X1	17254.	81.	4940.1	5060.	347.64	347.64	643.65	3315.	640.	3461.
X3	10.	0.	0.	0.	0.	0.	634.34	3999.	630.	4276.
GR	650.	3129.	648.37	3172.	645.	3261.	619.46	4739.99	619.46	4740.
GR	639.19	3541.	637.01	3758.	635.	3957.	617.36	4939.99	617.35	4940.
GR	627.75	4394.	625.	4538.	620.	4890.	617.36	4940.11	617.34	4940.2
GR	618.8	4803.	617.89	4890.	617.79	4940.1	613.86	4960.	613.80	4960.49
GR	617.36	4940.01	617.36	4940.09	617.36	4959.5	614.24	4979.5	614.26	4980.
GR	614.96	4954.	613.85	4959.49	613.95	4979.49	609.75	4988.	609.58	4982.3
GR	613.56	4960.51	613.56	4971.	614.24	4979.49	609.16	5000.	609.16	5000.49
GR	614.22	4989.49	614.22	4980.51	613.96	4999.99	609.16	5019.5	608.87	5020.
GR	609.19	4999.49	609.19	4999.5	609.16	5019.49	608.87	5027.7	615.	5033.
GR	609.16	5000.51	609.16	5005.	609.46	5022.7	614.26	5040.49	616.4	5040.51
GR	608.97	5020.49	608.97	5020.51	616.36	5040.	0.	0.	0.	0.
GR	616.25	5039.49	616.26	5039.5	0.	0.	0.	0.	0.	0.

GR	616.82	5045.	618.17	5059.9	618.18	618.18	5060.	618.19	5060.09
GR	618.19	5060.1	618.19	5080.	620.	620.	5095.99	621.16	5096.
GR	625.	5137.	628.19	5150.	635.	635.	5177.	638.58	5219.
GR	640.	5234.	641.6	5284.	645.	648.6	5320.	650.	5334.
GR	650.	5375.	0.	0.	0.	0.	0.	0.	0.
NH	5.	1.	4899.	0.25	4940.1	5060.	0.22	5095.99	1.
NH	5375.	0.	0.	0.	0.	0.	0.	0.	0.
X1	17255.	81.	4940.1	5060.	1.	1.	0.	0.	0.
X3	10.								
BT	-81.	3129.	650.01	649.99	3172.	648.36	620.06	625.06	644.99
BT		3315.	645.	643.64	3461.	639.99	3261.	646.89	639.18
BT		3756.	637.02	637.02	3957.	634.99	3541.	640.	634.33
BT		4276.	630.01	629.99	4394.	627.76	3999.	634.35	624.99
BT		4600.	622.24	619.99	4739.99	619.45	4538.	625.01	619.45
BT		4803.	620.06	618.79	4890.	617.88	4899.	622.05	617.78
BT		4939.99	622.46	617.35	4940.	617.35	4940.01	625.16	617.35
BT		4940.09	625.16	617.35	4940.1	617.35	4940.11	625.16	620.45
BT		4940.2	625.16	620.45	4954.	620.75	4959.49	625.58	620.87
BT		4959.5	625.58	613.94	4960.	613.85	4960.49	625.6	613.85
BT		4960.51	625.6	620.89	4971.	625.83	4979.49	626.01	621.3
BT		4979.5	626.02	614.23	4980.	626.03	4980.48	626.04	614.21
BT		4980.51	626.04	621.33	4984.	626.11	4988.	626.2	621.49
BT		4992.3	625.29	621.58	4995.49	626.45	4999.5	626.45	609.18
BT		4999.99	626.46	609.15	5000.	626.46	5000.49	626.47	609.15
BT		5000.51	626.47	621.76	5008.	626.63	5019.49	622.17	622.17
BT		5019.5	626.88	608.86	5020.	626.89	5020.49	626.9	508.96
BT		5020.51	626.9	622.19	5022.7	626.95	5027.	627.04	522.33
BT		5033.	627.17	622.46	5039.49	627.31	5039.5	627.31	316.25
BT		5040.	627.33	616.35	5040.49	627.34	5040.51	627.34	622.63
BT		5045.	627.42	622.72	5059.9	627.76	5059.99	627.76	623.05
BT		5060.	627.76	618.17	5060.09	627.76	5060.1	627.76	618.18
BT		5065.11	625.06	618.18	5080.	626.17	5095.99	627.06	621.15
BT		5095.	627.06	621.15	5114.	628.35	5137.	630.	628.18
BT		5150.	630.79	629.99	5177.	635.01	5219.	638.69	638.67
BT		5234.	640.01	636.99	5250.	641.61	5284.	645.01	644.99
BT		5320.	648.51	648.59	5334.	650.01	5375.	650.01	649.99
GR	649.99	3129.	648.36	3172.	644.99	643.64	3315.	639.99	3461.
GR	639.18	3541.	637.	3758.	534.99	619.99	3957.	629.99	4276.
GR	627.74	4394.	624.99	4538.	619.99	619.45	4739.99	619.45	4740.
GR	616.79	4803.	617.88	4899.	617.78	617.35	4939.99	617.35	4940.
GR	617.35	4940.01	617.35	4940.09	617.35	620.45	4940.11	617.33	4940.2
GR	614.95	4954.	613.94	4959.49	613.94	613.85	4960.	613.85	4960.49
GR	613.95	4960.51	613.95	4971.	614.23	614.23	4979.5	614.25	4980.
GR	614.21	4980.49	614.21	4990.51	613.95	609.75	4988.	609.55	4992.3
GR	609.18	4999.49	609.18	4999.5	609.15	605.15	5000.	609.15	5000.49
GR	609.15	5000.51	609.15	5008.	608.86	608.86	5019.5	608.85	5020.
GR	609.96	5020.49	608.96	5020.51	609.45	5022.7	5027.	614.99	5033.
GR	616.25	5039.49	616.25	5039.5	616.35	5040.	5040.49	616.4	5040.51
GR	616.81	5045.	618.16	5059.9	623.05	6059.99	5060.	618.18	5060.09
GR	613.18	5060.1	614.13	5080.	621.15	621.15	5095.99	621.15	5096.
GR	624.69	5114.	628.18	5137.	625.99	5150.	5177.	625.67	5219.
GR	639.99	5234.	641.59	5284.	648.59	648.59	5320.	649.99	5334.
GR	649.99	5375.	0.	0.	0.	0.	0.	0.	0.

NH	5.	1.	4899.	0.25	4940.1	0.058	5060.	0.22	5095.99	1.
NH	5375.	0.	0.	0.	0.	0.	0.	0.	0.	0.
X1	17282.	81.	4940.1	5060.	1.	1.	1.	0.	0.	0.
X3	10.									
GR	650.01	3129.	648.38	3172.	645.01	3261.	643.66	620.06	625.06	3461.
GR	639.2	3541.	637.02	3758.	635.01	3957.	634.35	3315.	640.01	4276.
GR	627.76	4394.	625.01	4538.	620.01	4600.	619.47	3999.	630.01	4740.
GR	618.81	4803.	617.9	4890.	617.8	4899.	617.37	4739.99	619.47	4940.
GR	617.37	4940.01	617.37	4940.09	617.37	4940.1	617.37	4939.99	617.37	4940.2
GR	614.97	4954.	613.96	4959.49	613.96	4959.5	613.87	4960.11	617.35	4940.2
GR	613.87	4960.51	613.97	4971.	614.25	4979.49	14.25	4960.	613.87	4960.49
GR	614.23	4980.49	614.23	4980.51	613.97	4984.	609.77	4979.5	614.27	4960.
GR	609.2	4999.49	609.2	4999.5	609.17	4999.99	609.17	4988.	609.57	4992.3
GR	609.17	5000.51	609.17	5005.	608.88	5019.49	608.88	5000.	609.17	5000.49
GR	608.98	5020.49	608.98	5020.51	608.88	5022.7	608.88	5019.5	608.87	5020.
GR	616.27	5039.49	616.27	5039.5	616.37	5040.	616.41	5027.	608.87	5020.
GR	616.83	5045.	618.16	5059.9	618.19	5040.	616.41	5040.49	615.01	5033.
GR	618.2	5060.1	618.2	5060.11	620.01	5080.	618.19	5060.	616.42	5040.51
GR	625.01	5114.	628.2	5137.	630.01	5150.	621.17	5095.99	618.2	5060.09
GR	640.01	5234.	641.61	5250.	645.01	5284.	635.01	5177.	621.17	5096.
GR	650.01	5375.	0.	0.	0.	0.	648.61	5320.	650.01	5334.

NH	6.	1.	4899.	0.25	4940.1	0.058	5027.	0.14	5045.	0.22
NH	5095.9	1.	5375.	0.	0.	0.	0.	0.	0.	0.
X1	17368.	61.	4940.1	5027.	86.91	86.91	86.91	0.	0.	0.
GR	650.71	3129.	648.08	3172.	645.71	3261.	644.36	3315.	640.71	3461.
GR	639.9	3541.	637.72	3758.	635.71	3957.	635.35	3999.	630.71	4276.
GR	628.46	4394.	625.71	4538.	620.71	4600.	620.17	4739.99	620.17	4740.
GR	619.51	4803.	618.6	4890.	618.5	4899.	618.07	4939.99	618.07	4940.
GR	618.07	4940.01	618.07	4940.09	618.07	4940.1	618.07	4940.11	618.07	4940.2
GR	615.67	4954.	614.66	4959.49	614.66	4959.5	614.57	4960.	618.05	4960.49
GR	614.57	4960.51	614.67	4971.	614.95	4979.49	614.57	4979.5	614.57	4980.
GR	614.93	4980.49	614.93	4980.51	614.67	4984.	614.95	4988.	614.97	4992.3
GR	609.9	4999.49	609.9	4999.5	608.87	4999.99	609.87	5000.	609.87	5000.49
GR	609.87	5000.51	609.87	5008.	609.58	5019.49	609.58	5019.5	609.87	5020.
GR	609.68	5020.49	609.68	5020.51	610.17	5022.7	610.17	5019.5	589.57	5020.
GR	616.97	5039.49	616.97	5039.5	617.07	5040.	614.97	5027.	615.71	5033.
GR	617.53	5045.	618.88	5059.9	618.89	5059.99	618.89	5040.49	617.12	5040.51
GR	618.9	5060.1	618.9	5060.11	620.71	5080.	621.87	5060.	618.9	5060.09
GR	625.71	5114.	625.9	5137.	630.71	5150.	635.71	5095.99	621.87	5096.
GR	640.71	5234.	642.31	5250.	645.71	5284.	649.31	5177.	639.39	5219.
GR	650.71	5375.	0.	0.	0.	0.	650.71	5320.	650.71	5334.

NH	7.	1.	4899.	0.1	0.3	0.18	4970.	0.158	5029.6	0.14
NH	5045.	0.22	5091.	0.25	4945.	0.	0.	0.	0.	0.
NH				1.	5538.	0.	0.	0.	0.	0.

Cross Section 61 (638' U/S County Line)

Cross Section R (HSMW Draft)

XI 18006.	30.	4970.	5029.6	637.09	637.09	0.	4099.
GR 650.	3920.	645.	3998.	640.	635.	630.	4933.
GR 625.	4125.	620.	4155.	615.	615.	615.	4999.99
GR 615.	4945.	615.	4970.	614.03	613.83	613.43	5029.6
GR 613.43	5000.	613.43	5010.4	613.13	613.73	613.73	5210.
GR 614.14	5045.	615.	5077.	616.32	620.	625.	5538.
GR 630.	5292.	635.	5350.	640.	645.	650.	
NH 7.	1.	4899.	0.25	4945.	4948.	5029.6	0.14
NH 5045.	0.22	5091.	1.	5689.	0.	0.	0.

Cross Section G2 (1338' U/S County Line)
Cross Section S (HSMW Draft)

XI 18706.	26.	4948.	5029.6	700.	700.	0.	3683.
GR 640.	3275.	635.	3359.	630.	625.	620.	4948.
GR 615.	3945.	615.	4899.	615.	615.	615.	5010.4
GR 614.36	4964.4	614.16	4999.99	613.76	613.76	613.76	5091.
GR 613.46	5026.	614.06	5029.51	614.06	614.14	614.39	5585.
GR 615.	5207.	620.	5348.	625.	630.	635.	0.
GR 640.	5688.	0.	0.	0.	0.	0.	0.

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T1 Hayes, Seay, Mattern & Mattern Cabarrus County, NC FIS
 T2 Proj. No. EKV-90-C-3101 Eng: LJM/EKL ET:TFH Comm. No. 2373
 T3 Clarke Creek (CLARKE.IN) Date: 10/05/91 53-Year Event

J1 ICHECK INQ HINV IDIR STRT METRIC WINS Q WSEL FQ
 3.0 0.0011 600.0
 J2 NPROF IPLOT PRFVS XSECV XSECH FR ALLDC IBW CHNIM ITRACE

2. -1.0

05OCT91

17:38:50

PAGE 14

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 Clarke Creek (CLARKE.IN) Date: 10/05/91 100-Year Event

J1 ICHECK INQ NINW IDIR STRT METRIC HVINS Q WSEL FQ
4.0 0.0011 600.0

J2 NPROF IPILOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE

3. -1.0

T1 Hayes, Seay, Mattern & Mattern
 T2 Proj. No. EMU-90-C-3101 Eng: LJM/EKL ET:TFH
 T3 Clarke Creek (CLARKE.IN) Date: 10/05/91

Cabarrus County, NC FIS
 Comm. No. 2373
 500-Year Event

J1 (CHECK INQ HINV IDIR STRT METRIC HVINS Q WSEL FQ
 5.0 0.0911 600.0
 J2 NPROF IPLOT FRFYS XSECV XSECH FNI ALLOC IBV CHHM ITRACE
 15. -1.0

THIS RUN EXECUTED 05OCT91 17:39:03

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

Clarke Creek (CLARKE.IN)
SUMMARY PRINTOUT TABLE 101

SECNO	EGOC	ELLC	EGIC	ELTRD	QCULV	QWEIR	CLASS	H4	DEPTH	CWSEL	VCH	EG
-------	------	------	------	-------	-------	-------	-------	----	-------	-------	-----	----

Clarke Creek (CLARKE, IN)

SUMMARY PRINTOUT TABLE 150

SECHG	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.DIK
664.000	.00	.00	.00	588.18	4967.00	600.17	.00	600.35	10.83	3.80	3637.88	1509.10
664.000	.00	.00	.00	588.18	7889.00	602.86	.00	603.11	10.98	4.49	5983.70	2380.57
664.000	.00	.00	.00	588.18	9201.00	603.95	.00	604.22	10.93	4.73	7063.68	2783.19
664.000	.00	.00	.00	588.18	13151.00	606.82	.00	607.15	10.83	5.35	10276.24	3995.31
695.000	31.00	600.28	598.38	588.18	4967.00	600.70	.00	600.82	8.62	3.06	4059.09	1691.50
695.000	31.00	600.28	598.38	588.18	7889.00	603.28	.00	603.46	9.16	3.70	6385.82	2607.02
695.000	31.00	600.28	598.38	588.18	9201.00	604.05	.00	604.26	9.95	4.01	7169.32	2916.57
695.000	31.00	600.28	598.38	588.18	13151.00	606.88	.00	607.15	9.85	4.55	10353.92	4190.60
805.500	110.50	.00	.00	588.41	4967.00	600.78	.00	600.94	9.40	3.63	3937.59	1620.09
805.500	110.50	.00	.00	588.41	7889.00	603.36	.00	603.59	10.15	4.38	6238.92	2475.62
805.500	110.50	.00	.00	588.41	9201.00	604.14	.00	604.41	11.06	4.75	7020.15	2766.91
805.500	110.50	.00	.00	588.41	13151.00	606.96	.00	607.30	11.04	5.39	10176.59	3957.20
* 1468.000	662.50	.00	.00	589.77	4967.00	601.70	.00	601.89	23.74	5.93	4219.08	1019.50
* 1468.000	662.50	.00	.00	589.77	7889.00	604.35	.00	604.59	24.30	6.90	6247.18	1600.33
* 1468.000	662.50	.00	.00	589.77	9201.00	605.21	.00	605.48	25.72	7.38	6944.00	1814.39
* 1468.000	662.50	.00	.00	589.77	13151.00	608.05	.00	608.36	25.46	8.25	9332.15	2606.59
2143.000	675.00	.00	.00	591.16	4967.00	603.55	.00	604.03	40.57	7.96	3155.22	779.86
2143.000	675.00	.00	.00	591.16	7889.00	606.23	.00	606.86	43.92	9.49	4435.86	1190.39
2143.000	675.00	.00	.00	591.16	9201.00	607.18	.00	607.88	45.98	10.12	4918.58	1356.87
2143.000	675.00	.00	.00	591.16	13151.00	609.97	.00	610.82	47.60	11.50	6431.18	1906.15
* 2683.000	740.00	.00	.00	592.68	4967.00	605.57	.00	605.67	13.47	4.71	6646.13	1353.56
* 2683.000	740.00	.00	.00	592.68	7889.00	608.47	.00	608.60	14.05	5.54	9568.01	2104.51
* 2683.000	740.00	.00	.00	592.68	9201.00	609.54	.00	609.69	14.46	5.88	10735.91	2419.85
* 2683.000	740.00	.00	.00	592.68	13151.00	612.52	.00	612.70	14.90	6.67	14225.42	3406.58
3605.000	922.00	.00	.00	594.57	4967.00	606.62	.00	606.66	8.66	3.61	12706.32	1608.29
3605.000	922.00	.00	.00	594.57	7889.00	609.55	.00	609.61	8.56	4.17	17995.81	2697.19
3605.000	922.00	.00	.00	594.57	9201.00	610.65	.00	610.71	8.65	4.40	20033.16	3129.14
3605.000	922.00	.00	.00	594.57	13151.00	613.67	.00	613.74	8.72	4.97	25795.96	4454.41
4785.000	980.00	.00	.00	596.59	4967.00	607.59	.00	607.63	11.21	3.61	13508.06	1483.83
4785.000	980.00	.00	.00	596.59	7889.00	610.49	.00	610.54	10.53	4.12	18931.50	2430.87
4785.000	980.00	.00	.00	596.59	9201.00	611.59	.00	611.64	10.47	4.33	21049.96	2843.62
4785.000	980.00	.00	.00	596.59	13151.00	614.60	.00	614.66	10.25	4.86	26960.62	4107.86
5500.000	715.00	.00	.00	598.06	4967.00	608.45	.00	608.51	13.60	3.76	12576.40	1346.94
5500.000	715.00	.00	.00	598.06	7889.00	611.29	.00	611.34	12.04	4.19	18618.76	2273.53
5500.000	715.00	.00	.00	598.06	9201.00	612.38	.00	612.43	11.67	4.36	21048.88	2693.29
5500.000	715.00	.00	.00	598.06	13151.00	615.36	.00	615.42	10.81	4.79	27864.90	3999.56

SECKO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIMS	EG	10*KS	VCH	AREA	.OIK
6092.000	592.00	.00	.00	598.25	4967.00	609.26	.00	609.32	13.75	4.01	7775.03	1339.69
6092.000	592.00	.00	.00	598.25	7869.00	612.05	.00	612.12	14.13	4.75	10740.94	2098.46
6092.000	592.00	.00	.00	598.25	9201.00	613.12	.00	613.21	14.30	5.03	11978.38	2433.14
6092.000	592.00	.00	.00	598.25	13151.00	616.06	.00	616.17	14.45	5.73	15598.12	3459.95
6889.000	797.00	.00	.00	598.51	4967.00	610.56	.00	610.70	21.49	5.33	5642.05	1071.56
6889.000	797.00	.00	.00	598.51	7889.00	613.36	.00	613.54	22.08	6.25	8134.74	1678.76
6889.000	797.00	.00	.00	598.51	9201.00	614.45	.00	614.65	22.32	6.60	9179.77	1947.38
6889.000	797.00	.00	.00	598.51	13151.00	617.39	.00	617.63	22.55	7.45	12248.58	2769.56
8214.000	1325.00	.00	.00	598.94	4967.00	613.40	.00	613.51	20.94	4.79	5464.88	1085.53
8214.000	1325.00	.00	.00	598.94	7889.00	616.35	.00	616.49	22.39	5.69	7567.48	1667.21
8214.000	1325.00	.00	.00	598.94	9201.00	617.49	.00	617.65	22.90	6.02	8443.89	1822.75
8214.000	1325.00	.00	.00	598.94	13151.00	620.52	.00	620.71	24.02	6.88	10947.35	2683.07
8964.000	750.00	.00	.00	599.62	4967.00	614.21	.00	614.22	5.29	2.42	14394.54	2159.82
8964.000	750.00	.00	.00	599.62	7889.00	617.24	.00	617.26	5.69	2.89	18965.92	3308.42
8964.000	750.00	.00	.00	599.62	9201.00	618.41	.00	618.43	5.85	3.07	20746.42	3804.36
8964.000	750.00	.00	.00	599.62	13151.00	621.53	.00	621.55	6.27	3.55	25508.66	5252.55
9654.000	690.00	.00	.00	600.25	4967.00	614.69	.00	614.75	11.55	4.28	6484.37	1461.67
9654.000	690.00	.00	.00	600.25	7889.00	617.73	.00	617.82	11.62	4.95	9086.58	2314.42
9654.000	690.00	.00	.00	600.25	9201.00	618.91	.00	619.01	11.70	5.21	10155.15	2689.69
9654.000	690.00	.00	.00	600.25	13151.00	622.04	.00	622.16	11.94	5.89	13141.68	3806.05
10571.000	917.00	.00	.00	601.78	4967.00	616.00	.00	616.15	19.87	5.54	5846.69	1114.38
10571.000	917.00	.00	.00	601.78	7889.00	619.02	.00	619.19	18.99	6.26	8470.02	1810.13
10571.000	917.00	.00	.00	601.78	9201.00	620.20	.00	620.38	18.82	6.54	9545.75	2120.81
10571.000	917.00	.00	.00	601.78	13151.00	623.53	.00	623.54	18.55	7.28	12579.83	3053.69
11315.000	744.00	.00	.00	603.01	4967.00	617.48	.00	617.71	21.48	5.79	4516.69	1071.72
11315.000	744.00	.00	.00	603.01	7889.00	620.44	.00	620.71	21.20	6.66	6576.23	1713.25
11315.000	744.00	.00	.00	603.01	9201.00	621.60	.00	621.89	21.12	6.99	7440.85	2002.03
11315.000	744.00	.00	.00	603.01	13151.00	624.70	.00	625.04	21.01	7.83	9914.23	2869.32
12514.000	1199.00	.00	.00	605.01	4967.00	619.29	.00	619.52	11.25	4.61	3753.67	1481.08
12514.000	1199.00	.00	.00	605.01	7889.00	622.32	.00	622.64	12.49	5.61	5167.14	2231.91
12514.000	1199.00	.00	.00	605.01	9201.00	623.50	.00	623.86	12.88	5.97	5747.39	2584.20
12514.000	1199.00	.00	.00	605.01	13151.00	626.63	.00	627.09	13.72	6.90	7368.98	3550.55
14374.000	1860.00	.00	.00	607.01	4967.00	621.93	.00	622.27	19.69	5.34	2176.33	1119.33
14374.000	1860.00	.00	.00	607.01	7889.00	625.09	.00	625.51	19.00	6.18	3351.79	1809.70
14374.000	1860.00	.00	.00	607.01	9201.00	626.31	.00	626.76	18.88	6.50	3856.73	2117.47
14374.000	1860.00	.00	.00	607.01	13151.00	629.54	.00	630.09	18.79	7.34	5293.36	3034.20
15244.000	870.00	.00	.00	607.94	4967.00	623.52	.00	623.77	15.00	5.04	3168.40	1282.47
15244.000	870.00	.00	.00	607.94	7889.00	626.69	.00	626.99	15.18	5.85	4824.09	2025.12
15244.000	870.00	.00	.00	607.94	9201.00	627.92	.00	628.25	15.26	6.16	5514.54	2355.25
15244.000	870.00	.00	.00	607.94	13151.00	631.19	.00	631.58	15.50	6.95	7482.07	3340.06

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SECHO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
16234.000	990.00	.00	.00	609.00	4967.00	625.14	.00	625.47	19.39	5.65	1938.60	1127.87
16234.000	990.00	.00	.00	609.00	7889.00	628.33	.00	628.78	20.81	6.73	2844.24	1729.40
16234.000	990.00	.00	.00	609.00	9201.00	629.58	.00	630.07	21.29	7.14	3254.54	1994.33
16234.000	990.00	.00	.00	609.00	13151.00	632.86	.00	633.48	22.34	8.18	4472.03	2782.40
* 16906.000	672.36	.00	.00	608.91	4967.00	626.00	.00	626.15	5.84	3.43	4396.10	2056.09
* 16906.000	672.36	.00	.00	608.91	7889.00	629.31	.00	629.52	6.45	4.16	6819.41	3105.93
* 16906.000	672.36	.00	.00	608.91	9201.00	630.59	.00	630.83	6.64	4.44	7934.57	3569.60
* 16906.000	672.36	.00	.00	608.91	13151.00	633.99	.00	634.29	7.05	5.12	11425.86	4954.67
17254.000	347.64	.00	.00	608.86	4967.00	626.22	.00	626.33	4.39	2.87	4571.70	2370.43
17254.000	347.64	.00	.00	608.86	7889.00	629.57	.00	629.73	4.74	3.47	7077.40	3624.88
17254.000	347.64	.00	.00	608.86	9201.00	630.86	.00	631.04	4.85	3.70	8228.95	4177.85
17254.000	347.64	.00	.00	608.86	13151.00	634.28	.00	634.51	5.10	4.28	11826.14	5823.09
* 17255.000	1.00	620.06	623.05	608.85	4967.00	626.14	.00	626.41	41.82	4.44	2873.68	768.06
* 17255.000	1.00	620.06	623.05	608.85	7889.00	629.52	.00	629.78	40.84	4.62	5231.34	1234.51
* 17255.000	1.00	620.06	623.05	608.85	9201.00	630.83	.00	631.08	36.09	4.68	6373.32	1531.76
* 17255.000	1.00	620.06	623.05	608.85	13151.00	634.27	.00	634.53	28.20	4.88	9987.41	2476.41
17281.000	26.00	620.06	623.05	608.85	4967.00	626.26	.00	626.52	41.52	4.39	2937.00	770.83
17281.000	26.00	620.06	623.05	608.85	7889.00	629.63	.00	629.89	39.26	4.57	5325.94	1259.09
17281.000	26.00	620.06	623.05	608.85	9201.00	630.93	.00	631.18	34.97	4.64	6466.27	1555.91
17281.000	26.00	620.06	623.05	608.85	13151.00	634.35	.00	634.60	27.72	4.85	10069.17	2497.90
* 17282.000	1.00	.00	.00	608.87	4967.00	626.46	.00	626.57	4.11	2.81	4722.93	2448.83
* 17282.000	1.00	.00	.00	608.87	7889.00	629.76	.00	629.91	4.55	3.43	7231.16	3699.51
* 17282.000	1.00	.00	.00	608.87	9201.00	631.03	.00	631.20	4.70	3.66	8371.44	4245.19
* 17282.000	1.00	.00	.00	608.87	13151.00	634.38	.00	634.61	5.02	4.25	11933.75	5871.00
17368.000	86.91	.00	.00	609.57	4967.00	626.48	.00	626.64	6.13	3.48	4285.86	2006.25
17368.000	86.91	.00	.00	609.57	7889.00	629.78	.00	629.99	6.74	4.23	6658.06	3038.03
17368.000	86.91	.00	.00	609.57	9201.00	631.04	.00	631.28	6.95	4.50	7741.19	3490.00
17368.000	86.91	.00	.00	609.57	13151.00	634.40	.00	634.71	7.37	5.19	11140.51	4844.33
18006.000	637.09	.00	.00	613.13	4967.00	626.90	.00	626.96	4.14	2.91	11955.42	2440.39
18006.000	637.09	.00	.00	613.13	7889.00	630.27	.00	630.36	4.63	3.57	15868.09	3668.22
18006.000	637.09	.00	.00	613.13	9201.00	631.56	.00	631.66	4.81	3.83	17432.99	4196.48
18006.000	637.09	.00	.00	613.13	13151.00	634.98	.00	635.12	5.25	4.50	21740.70	5740.92
18706.000	700.00	.00	.00	613.46	4967.00	627.14	.00	627.17	2.19	2.09	20689.22	3359.59
18706.000	700.00	.00	.00	613.46	7889.00	630.55	.00	630.59	2.38	2.55	27687.76	5110.81
18706.000	700.00	.00	.00	613.46	9201.00	631.85	.00	631.90	2.46	2.72	30460.47	5867.72
* 18706.000	700.00	.00	.00	613.46	13151.00	635.31	.00	635.38	2.64	3.18	38003.89	8086.92

Clarke Creek (CLARKE.IN)

SUMMARY PRINTOUT TABLE 150

SECHO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
664.000	4967.00	600.17	.00	.00	.17	780.20	.00
664.000	7889.00	602.96	2.70	.00	2.86	959.66	.00
664.000	9201.00	603.95	1.08	.00	3.95	1031.87	.00
664.000	13151.00	606.82	2.87	.00	6.82	1200.06	.00
695.000	4967.00	600.70	.00	.53	.00	815.39	31.00
695.000	7889.00	603.28	2.58	.41	.00	987.18	31.00
695.000	9201.00	604.05	.77	.10	.00	1038.71	31.00
695.000	13151.00	606.88	2.83	.07	.00	1203.57	31.00
805.500	4967.00	600.78	.00	.08	.00	805.37	110.50
805.500	7889.00	603.36	2.58	.08	.00	977.20	110.50
805.500	9201.00	604.14	.78	.09	.00	1029.05	110.50
805.500	13151.00	606.96	2.83	.08	.00	1195.57	110.50
* 1468.000	4967.00	601.70	.00	.92	.00	732.05	662.50
* 1468.000	7889.00	604.35	2.65	.99	.00	797.80	662.50
* 1468.000	9201.00	605.21	.86	1.07	.00	817.30	662.50
* 1468.000	13151.00	608.05	2.84	1.09	.00	862.23	662.50
2143.000	4967.00	603.55	.00	1.86	.00	461.11	675.00
2143.000	7889.00	606.23	2.68	1.89	.00	498.47	675.00
2143.000	9201.00	607.18	.95	1.97	.00	516.76	675.00
2143.000	13151.00	609.97	2.79	1.92	.00	567.53	675.00
* 2883.000	4967.00	605.57	.00	2.01	.00	945.67	740.00
* 2883.000	7889.00	608.47	2.90	2.24	.00	1067.03	740.00
* 2883.000	9201.00	609.54	1.07	2.36	.00	1111.84	740.00
* 2883.000	13151.00	612.52	2.97	2.54	.00	1233.68	740.00
3805.000	4967.00	606.62	.00	1.05	.00	1717.51	922.00
3805.000	7889.00	609.55	2.93	1.08	.00	1832.55	922.00
3805.000	9201.00	610.65	1.10	1.11	.00	1870.56	922.00
3805.000	13151.00	613.67	3.01	1.15	.00	1964.91	922.00
4785.000	4967.00	607.59	.00	.97	.00	1823.61	980.00
4785.000	7889.00	610.49	2.90	.93	.00	1908.35	980.00
4785.000	9201.00	611.59	1.10	.94	.00	1931.74	980.00
4785.000	13151.00	614.60	3.01	.93	.00	1995.56	980.00
5500.000	4967.00	608.46	.00	.88	.00	2000.44	715.00
5500.000	7889.00	611.29	2.83	.80	.00	2212.54	715.00
5500.000	9201.00	612.38	1.09	.79	.00	2245.03	715.00
5500.000	13151.00	615.36	2.98	.76	.00	2337.49	715.00

SECH0	Q	CMSEL	DIFWSP	DIFWSX	DIFRWS	TOPWID	XLCH
6092.000	4967.00	609.26	.00	.80	.00	1010.30	592.00
6092.000	7889.00	612.05	2.78	.75	.00	1124.71	592.00
6092.000	9201.00	613.12	1.08	.74	.00	1170.43	592.00
6092.000	13151.00	616.06	2.94	.70	.00	1285.32	592.00
6889.000	4967.00	610.56	.00	1.29	.00	836.48	797.00
6889.000	7889.00	613.36	2.81	1.32	.00	939.76	797.00
6889.000	9201.00	614.45	1.09	1.33	.00	979.83	797.00
6889.000	13151.00	617.39	2.94	1.33	.00	1110.60	797.00
8214.000	4967.00	613.40	.00	2.85	.00	675.06	1325.00
8214.000	7889.00	616.35	2.95	2.99	.00	752.95	1325.00
8214.000	9201.00	617.49	1.14	3.04	.00	784.19	1325.00
8214.000	13151.00	620.52	3.03	3.13	.00	867.16	1325.00
8964.000	4967.00	614.21	.00	.81	.00	1500.23	750.00
8964.000	7889.00	617.24	3.03	.89	.00	1515.06	750.00
8964.000	9201.00	618.41	1.17	.92	.00	1520.34	750.00
8964.000	13151.00	621.53	3.11	1.00	.00	1539.85	750.00
9654.000	4967.00	614.69	.00	.48	.00	817.96	690.00
9654.000	7889.00	617.73	3.05	.49	.00	891.11	690.00
9654.000	9201.00	618.91	1.18	.50	.00	919.67	690.00
9654.000	13151.00	622.04	3.13	.52	.00	982.40	690.00
10571.000	4967.00	616.00	.00	1.31	.00	836.09	917.00
10571.000	7889.00	619.02	3.02	1.29	.00	900.15	917.00
10571.000	9201.00	620.20	1.16	1.28	.00	926.23	917.00
10571.000	13151.00	623.33	3.13	1.28	.00	1010.21	917.00
11315.000	4967.00	617.48	.00	1.48	.00	664.08	744.00
11315.000	7889.00	620.44	2.95	1.42	.00	729.09	744.00
11315.000	9201.00	621.60	1.16	1.41	.00	758.38	744.00
11315.000	13151.00	624.70	3.10	1.38	.00	836.54	744.00
12514.000	4967.00	619.29	.00	1.81	.00	444.07	1199.00
12514.000	7889.00	622.32	3.03	1.88	.00	464.84	1199.00
12514.000	9201.00	623.50	1.18	1.80	.00	499.00	1199.00
12514.000	13151.00	626.63	3.13	1.93	.00	536.11	1199.00
14374.000	4967.00	621.93	.00	2.64	.00	338.97	1860.00
14374.000	7889.00	625.09	3.16	2.77	.00	405.25	1860.00
14374.000	9201.00	626.31	1.22	2.81	.00	422.34	1860.00
14374.000	13151.00	629.54	3.23	2.90	.00	467.54	1860.00
15244.000	4967.00	623.52	.00	1.58	.00	491.16	870.00
15244.000	7889.00	626.69	3.17	1.60	.00	550.01	870.00
15244.000	9201.00	627.92	1.23	1.61	.00	570.47	870.00
15244.000	13151.00	631.19	3.27	1.68	.00	642.73	870.00

SECNO	Q	CWSEL	DIFVSP	DIFWSX	DIFKWS	TOPWID	XLCH
16234.000	4967.00	625.14	.00	1.62	.00	248.90	990.00
16234.000	7889.00	628.33	3.20	1.65	.00	317.35	990.00
16234.000	9201.00	629.58	1.24	1.66	.00	343.91	990.00
16234.000	13151.00	632.86	3.29	1.67	.00	393.68	990.00
* 16906.000	4967.00	626.00	.00	.86	.00	632.45	672.36
* 16906.000	7889.00	629.31	3.31	.98	.00	829.98	672.36
* 16906.000	9201.00	630.59	1.28	1.02	.00	911.69	672.36
* 16906.000	13151.00	633.99	3.39	1.12	.00	1146.54	672.36
17254.000	4967.00	626.22	.00	.22	.00	648.78	347.64
17254.000	7889.00	629.57	3.35	.26	.00	848.31	347.64
17254.000	9201.00	630.86	1.29	.27	.00	933.75	347.64
17254.000	13151.00	634.28	3.42	.30	.00	1170.46	347.64
* 17255.000	4967.00	626.14	.00	-.08	.00	644.80	1.00
* 17255.000	7889.00	629.52	3.38	-.05	.00	846.04	1.00
* 17255.000	9201.00	630.83	1.30	-.04	.00	931.84	1.00
* 17255.000	13151.00	634.27	3.44	-.01	.00	1170.70	1.00
17281.000	4967.00	626.26	.00	.12	.00	651.87	26.00
17281.000	7889.00	629.63	3.37	.11	.00	852.82	26.00
17281.000	9201.00	630.93	1.29	.10	.00	938.76	26.00
17281.000	13151.00	634.35	3.42	.08	.00	1175.53	26.00
* 17282.000	4967.00	626.46	.00	.20	.00	662.52	1.00
* 17282.000	7889.00	629.76	3.30	.12	.00	859.05	1.00
* 17282.000	9201.00	631.03	1.27	.10	.00	944.28	1.00
* 17282.000	13151.00	634.38	3.36	.04	.00	1176.80	1.00
17368.000	4967.00	626.46	.00	.02	.00	621.97	86.91
17368.000	7889.00	629.78	3.29	.02	.00	818.30	86.91
17368.000	9201.00	631.04	1.26	.02	.00	896.89	86.91
17368.000	13151.00	634.40	3.36	.01	.00	1129.18	86.91
18006.000	4967.00	626.90	.00	.42	.00	1126.12	637.09
18006.000	7889.00	630.27	3.37	.49	.00	1198.55	637.09
18006.000	9201.00	631.56	1.29	.52	.00	1225.16	637.09
18006.000	13151.00	634.96	3.42	.58	.00	1295.56	637.09
18706.000	4967.00	627.14	.00	.24	.00	2003.29	700.00
18706.000	7889.00	630.55	3.40	.28	.00	2106.44	700.00
18706.000	9201.00	631.85	1.31	.29	.00	2138.57	700.00
18706.000	13151.00	635.31	3.46	.33	.00	2228.31	700.00

Floodway Output

Clarke Creek HEC-2 Output Floodway

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

* HEC-2 WATER SURFACE PROFILES *

* Version 4.6.2; May 1991 *

* RUN DATE 05OCT91 TIME 17:41:42 *

* 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: CC_FV.HEC
OUTPUT FILE NAME: CC_FV.OUT

SB	1.25	1.95	2.60	0.00	103.32	1.98	1055.00	0.20	588.18	588.18
NH	6.	1.	4390.	0.26	4921.	0.18	4934.1	0.359	588.18	0.26
NH	5120.	1.	6289.	0.	0.	0.	0.	0.	588.18	0.

```

***** HEC-2 Input file created with CodeHZ *****
*****
***** Version: 3.79 *****
***** CodeHZ Copyrighted 1986 - 1991 *****
***** Run Date: Saturday October 5, 1991 *****
***** Run Time: 17:41:38 *****
*****

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*****
***** The Following Options Have Been Activated :
*****
1. FLOODWAY Option.
2. HEC1 Option.
3. SUMMARY_150 Option.
*****

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COX MILL ROAD (SR 1448)

X1	695.	66.	4934.1	5081.7	31.	31.	31.	0.00	0.00	0.00
X2	0.00	0.00	1.00	598.38	600.28	600.28	600.28	600.28	600.28	600.28
X3	10.	-66.								
BT	3887.		635.02	635.	3974.	630.88	630.86	3992.	630.38	630.38
BT	4072.		825.53	625.51	4081.	625.02	625.	4178.	630.02	630.02
BT	4189.		620.02	620.	4330.	615.56	615.	615.	620.53	620.53
BT	4390.		612.72	610.	4439.	610.	608.09	4349.	615.	613.42
BT	4606.		605.	601.07	4630.	604.65	600.	4518.	607.63	605.
BT	4910.		600.57	592.18	4921.	600.41	592.21	4890.	600.86	592.74
BT	4930.		602.48	592.24	4930.01	602.48	592.24	4934.1	600.28	592.24
BT	4934.11		602.48	598.28	4934.2	602.48	598.28	4945.5	602.48	598.28
BT	4965.		602.5	598.3	4975.	602.51	598.31	4980.99	602.51	598.31
BT	4981.		602.51	589.42	4981.5	602.51	589.28	4981.99	602.51	589.22
BT	4982.01		602.51	598.31	4990.	602.52	598.32	4999.99	602.53	598.33
BT	5000.		602.53	595.33	5010.	602.53	590.33	5020.	602.54	598.34
BT	5030.99		602.55	598.35	5031.	602.55	590.55	5031.5	602.55	598.35
BT	5031.99		602.55	590.58	5032.01	602.55	598.35	5040.	602.55	598.35
BT	5046.5		602.56	598.36	5055.	602.56	598.36	5081.6	602.56	598.36
BT	5081.69		602.58	598.38	5081.7	602.58	594.06	5082.99	602.58	594.1
BT	5083		602.58	594.1	5083.01	600.38	594.1	5103.	600.57	594.68
BT	5120.		600.73	594.99	5399.	603.41	600.	5565.	603.76	603.76
BT	5620.		606.18	605.	5762.	610.02	610.	5803.	612.4	612.38
BT	5848.		615.02	615.	5905.	618.26	618.24	5936.	620.02	620.02
BT	5973.		621.24	621.22	6088.	625.02	625.	6123.	626.56	626.54
BT	6202.		630.02	630.	6206.	630.25	630.23	6289.	635.02	635.
GR	3887.		620.	4189.	3974.	3992.	630.23	4072.	625.	4081.
GR	620.51		620.	4189.	3974.	4330.	613.42	4349.	610.	4390.
GR	638.09		605.	4518.	601.07	4606.	500.	4630.	592.74	4890.
GR	592.18		592.21	4921.	592.24	4929.99	592.24	4930.	592.24	4830.01
GR	592.25		4934.1	4934.11	4934.2	4934.2	592.28	4945.5	592.28	4965.
GR	591.08		589.42	4980.99	589.42	4981.	585.28	4981.5	589.22	4981.99
GR	589.21		588.18	4990.	588.58	4999.99	588.58	5000.	588.58	5010.

GR	589.63	5020.	590.55	5030.99	590.55	5031.	590.58	5031.5	590.58	5031.5	590.58	5031.99
GR	590.58	5032.01	590.58	5040.	592.08	5046.5	593.20	5055.	594.06	5055.	594.06	5081.6
GR	598.38	5081.69	594.06	5081.7	594.1	5082.99	594.1	5083.	594.1	5083.	594.1	5083.01
GR	594.68	5103.	594.99	5120.	600.	5399.	603.76	5565.	605.	5905.	620.	5620.
GR	610.	5762.	612.38	5803.	615.	5848.	618.24	5905.	620.	5936.	620.	5936.
GR	621.22	5973.	625.	6088.	626.54	6123.	630.	6202.	630.23	6206.	630.23	6206.
GR	635.	6289.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NH	7.	1.	4890.	0.26	4921.	0.18	4945.5	0.059	5055.	0.18	5055.	0.18
NH	5081.6	0.26	5120.	1.	6289.	0.	0.	0.	0.	0.	0.	0.
X1	805.5	66.	4945.5	5055.	110.5	110.5	110.5	4072.	625.23	4081.	625.23	4081.
GR	535.23	3687.	631.03	3974.	630.23	3992.	625.74	4349.	610.23	4390.	610.23	4390.
GR	620.74	4178.	620.23	4189.	815.23	4330.	613.65	4929.99	592.97	4890.	592.97	4890.
GR	608.32	4439.	605.23	4518.	601.3	4606.	600.23	4630.	592.47	4930.01	592.47	4930.01
GR	592.48	4934.1	592.48	4934.11	592.47	4929.99	592.47	4930.	592.47	4930.01	592.47	4930.01
GR	591.31	4975.	589.65	4980.99	592.48	4934.2	592.51	4945.5	591.21	4965.	591.21	4965.
GR	589.44	4982.01	588.41	4990.	589.65	4981.	589.51	4981.5	589.45	4981.99	589.45	4981.99
GR	590.11	5020.	590.78	5030.99	588.81	4999.99	588.81	5000.	588.81	5010.	588.81	5010.
GR	590.81	5032.01	590.81	5040.	590.78	5031.	590.81	5031.5	590.81	5031.99	590.81	5031.99
GR	594.29	5081.69	594.29	5081.7	592.31	5046.5	593.51	5055.	594.29	5081.6	594.29	5081.6
GR	594.91	5103.	595.22	5120.	594.33	5082.99	594.33	5083.	594.33	5083.01	594.33	5083.01
GR	610.23	5762.	612.61	5803.	600.23	5399.	603.99	5565.	605.23	5620.	605.23	5620.
GR	621.45	5973.	625.23	6088.	615.23	5848.	618.47	5905.	620.23	5936.	620.23	5936.
GR	635.23	6289.	0.	0.	626.77	6123.	630.23	6202.	630.46	6206.	630.46	6206.
NC	7.	1.	4836.	0.1	0.3	0.18	4988.	0.061	5013.	0.19	5013.	0.19
NH	5059.	0.26	5163.	1.	4929.	0.	0.	0.	0.	0.	0.	0.

Cross Section A1

Cross Section A (HSMH Draft)

X1	1468.	25.	4989.	5013.	662.5	662.5	662.5	4770.	0.	4788.	0.	4788.
GR	630.	4014.	625.	4235.	520.	4368.	615.	4929.	610.	4983.	610.	4983.
GR	575.	4804.	600.	4817.	596.64	4886.	594.54	5009.	591.67	5013.	591.67	5013.
GR	589.97	-895.	589.77	4999.99	589.77	5000.	589.87	5009.	591.67	5681.	610.	5681.
GR	592.61	5969.	594.2	5163.	600.	5507.	605.	5618.	635.	5932.	635.	5932.
GR	615.	5732.	620.	5778.	625.	5825.	630.	5879.	635.	5932.	635.	5932.
NH	7.	1.	4904.	0.25	4951.	0.18	4988.	0.061	5013.	0.19	5013.	0.19
NH	5053.	0.26	5092.	1.	5483.	0.	0.	0.	0.	0.	0.	0.

Cross Section A2

Cross Section B (HSMH Draft)

X1	2143.	25.	4988.	5013.	675.	675.	675.	4478.	0.	4568.	0.	4568.
GR	620.	3503.	625.	3828.	620.	4019.	615.	4904.	610.	4988.	610.	4988.
GR	605.	4600.	600.	4616.	594.63	4904.	593.75	5009.	593.06	5013.	593.06	5013.
GR	551.36	4955.	591.16	4999.99	591.16	5000.	591.26	5009.	610.	5136.	610.	5136.
GR	606.	5036.	601.92	5033.	605.	5077.	606.27	5077.	635.	5483.	635.	5483.
GR	615.	5250.	620.	5302.	625.	5381.	630.	5419.	635.	5483.	635.	5483.

NH	7.	1.	4916.	0.25	4965.	0.18	4988.	0.061	5013.	0.19
NH	5111.	0.26	5179.	1.	5798.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4665.00	5275.00	0.00	0.00

Cross Section A3
Cross Section C (HSMH Draft)

X1	2883.	24.	4988.	5013.	740.	740.	740.	0.	0.	4435.
GR	825.	3794.	620.	3978.	615.	4146.	610.	4267.	605.	4995.
GR	600.	4988.	595.58	4916.	594.9	4965.	594.58	4988.	592.88	5111.
GR	592.68	4999.99	592.68	5000.	592.78	5009.	594.58	5013.	596.37	5481.
GR	597.61	5179.	600.	5310.	605.	5357.	610.	5398.	615.	0.
GR	620.	5588.	625.	5662.	630.	5732.	635.	5798.	0.	0.
NH	7.	1.	4860.	0.24	4912.	0.17	4988.	0.061	5013.	0.2
NH	5053.	0.27	5122.	1.	5764.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4160.00	5320.00	0.00	0.00

Cross Section A4
Cross Section D (HSMH Draft)

X1	3305.	24.	4988.	5013.	922.	922.	922.	0.	0.	3890.
GR	625.	3256.	620.	3423.	615.	3005.	610.	3731.	605.	4995.
GR	600.	4114.	596.99	4850.	596.78	4912.	596.47	4988.	594.77	5053.
GR	594.57	4999.99	594.57	5000.	594.67	5009.	596.47	5013.	596.77	5612.
GR	597.29	5122.	600.	5484.	605.	5544.	610.	5581.	615.	0.
GR	620.	5544.	625.	5670.	630.	5717.	635.	5764.	0.	0.
NH	7.	1.	4883.	0.24	4934.	0.17	4988.	0.065	5013.	0.21
NH	5068.	0.28	5113.	1.	5453.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4685.00	5970.00	0.00	0.00

Cross Section A5
Cross Section E (HSMH Draft)

X1	4705.	25.	4988.	5013.	980.	980.	980.	0.	0.	4260.
GR	635.	4020.	630.	4089.	625.	4135.	620.	4205.	615.	4934.
GR	610.	4320.	605.	4434.	600.	4699.	599.04	4863.	598.77	5009.
GR	598.49	4988.	596.79	4995.	596.59	4999.99	596.59	5000.	596.69	6178.
GR	598.49	5013.	598.57	5068.	598.63	5113.	600.	6076.	605.	6388.
GR	610.	6218.	615.	6264.	620.	6293.	625.	6339.	630.	0.
GR	635.	6453.	0.	0.	0.	0.	0.	0.	0.	0.
NH	7.	1.	4875.	0.24	4921.	0.17	4988.	0.065	5013.	0.21
NH	5069.	0.28	5120.	1.	6496.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4325.00	5550.00	0.00	0.00

Cross Section A

Cross Section F (HSMW Draft)

X1	5500.	29.	4988.	5013.	715.	715.	715.	0.	4017.
GR	635.	3639.	630.	3678.	625.	3727.	3840.	615.	4921.
GR	510.	4091.	605.	4526.	600.	4620.	4875.	599.97	4999.99
GR	599.96	4978.	599.95	4988.	598.26	4995.	4999.	598.06	5023.
GR	595.05	5000.	598.86	5005.	598.16	5009.	5013.	600.26	6265.
GR	600.24	5069.	600.21	5120.	609.	5553.	6135.	610.	0.
GR	615.	6340.	620.	6364.	625.	6404.	6496.	0.	0.
NH	7.	1.	4807.	0.26	4902.	0.19	0.065	5013.	0.2
NH	5062.	0.27	5123.	1.	5517.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	5250.00	0.00	0.00

Cross Section G (HSMW Draft)

X1	6092.	26.	4988.	5013.	592.	592.	592.	0.	3916.
GR	640.	3522.	635.	3600.	630.	3664.	3783.	620.	4807.
GR	615.	4048.	610.	4226.	605.	4372.	4482.	600.1	5000.
GR	600.12	4902.	600.15	4988.	598.45	4995.	4999.99	598.25	5163.
GR	598.35	5009.	600.15	5013.	600.1	5062.	5123.	600.	5467.
GR	605.	5222.	610.	5264.	620.	5332.	5372.	635.	0.
GR	640.	5517.	0.	0.	0.	0.	0.	0.	0.
NH	7.	1.	4873.	0.26	4926.	0.19	0.065	5013.	0.2
NH	5053.	0.27	5098.	1.	5788.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	5350.00	0.00	0.00

Cross Section A7
Cross Section H (HSMW Draft)

X1	6889.	26.	4988.	5013.	797.	797.	797.	0.	4289.
GR	640.	3809.	635.	3896.	630.	4032.	4168.	620.	4926.
GR	615.	4468.	610.	4585.	605.	4687.	4873.	601.36	5009.
GR	600.41	4988.	598.71	4995.	598.51	4999.99	5000.	598.61	5401.
GR	600.41	5013.	601.	5053.	601.67	5098.	5323.	610.	5691.
GR	615.	5468.	620.	5520.	625.	5552.	5628.	635.	0.
GR	640.	5788.	0.	0.	0.	0.	0.	0.	0.
NH	7.	1.	4887.	0.27	4928.	0.2	0.07	5005.	0.2
NH	5058.	0.27	5104.	1.	5582.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	12.41	0.00	0.00	0.00

Cross Section B
Cross Section I (HSMW Draft)

X1	8214.	29.	4982.	5005.	1325.	1325.	1325.	0.	4453.
GR	635.	4051.	630.	4162.	625.	4249.	4357.	615.	4928.
GR	610.	4547.	605.	4635.	602.94	4886.	4867.	598.34	4999.99
GR	603.24	4982.	602.94	4984.	600.24	4984.	4994.	598.87	5104.
GR	598.94	5000.	602.94	5002.	603.24	5005.	5053.	604.87	5238.
GR	605.	5112.	610.	5135.	615.	5169.	5210.	625.	0.
GR	630.	5398.	635.	5495.	640.	5582.	0.	0.	0.

NH	7.	100.	4640.	0.25	4929.	0.16	4982.	0.07	5005.	0.18
NH	5077.	0.27	5260.	100.	5690.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4650.00	5280.00	0.00	0.00

Cross Section 81

Cross Section J (HSMW Draft)

X1	8964.	22.	4982.	5005.	750.	750.	750.	0.	0.	0.
GR	625.	4122.	620.	4140.	615.	4155.	610.	4170.	605.	4195.
GR	604.99	4640.	603.99	4929.	603.92	4982.	4984.	4986.	600.92	4986.
GR	600.02	4994.	599.62	4999.59	5000.	5000.	603.62	5002.	603.92	5005.
GR	604.04	5077.	604.39	5280.	605.	5635.	610.	5645.	615.	5660.
GR	620.	5667.5	625.	5690.	0.	0.	0.	0.	0.	0.

NH	7.	1.	4873.	0.2	4917.	0.12	4990.	0.058	5012.	0.15
NH	5061.	0.22	5116.	1.	5686.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	12.41	0.00	0.00	0.00	0.00

Cross Section C

Cross Section K (HSMW Draft)

X1	9654.	27.	4990.	5012.	690.	690.	690.	4574.	0.	4681.
GR	635.	4364.	630.	4438.	625.	4495.	620.	4940.	615.	4967.
GR	610.	4779.	607.05	4873.	605.67	4917.	604.95	4999.99	600.25	5000.
GR	605.25	4990.	604.75	4990.5	602.05	4991.	600.25	5061.	605.25	5116.
GR	602.25	5007.	604.75	5011.	605.35	5012.	605.3	5530.	630.	5575.
GR	605.	5384.	610.	5492.	620.	5520.	625.	0.	0.	0.
GR	635.	5611.	640.	5686.	0.	0.	0.	0.	0.	0.

NH	7.	1.	4880.	0.22	4940.	0.15	4990.	0.058	5012.	0.17
NH	5046.	0.24	5104.	1.	5972.	0.	0.	0.	0.	0.

Cross Section C1

Cross Section L (HSMW Draft)

X1	10571.	27.	4990.	5012.	917.	917.	917.	4496.	0.	4592.
GR	640.	3975.	635.	4196.	635.	4346.	630.	4880.	625.	4940.
GR	620.	4666.	615.	4709.	610.	4754.	608.28	4999.99	601.78	5000.
GR	606.78	4990.	606.28	4990.5	603.58	4991.	601.78	5046.	607.52	5104.
GR	603.78	5007.	608.28	5011.	606.88	5012.	607.12	5847.	630.	5821.
GR	610.	5480.	615.	5524.	620.	5587.	625.	0.	0.	0.
GR	635.	5869.	640.	5972.	0.	0.	0.	0.	0.	0.

NH	7.	1.	4901.	0.25	4942.	0.175	4987.	0.058	5017.	0.18
NH	5081.	0.26	5130.	1.	5428.	0.	0.	0.	0.	0.

Cross Section D

Cross Section M (HSMW Draft)

NH	7.	1.	4875.	0.26	4927.	0.175	4964.	0.06	5007.	0.175
NH	5049.	0.26	5085.	1.	5201.	0.	0.	0.	0.	0.

Cross Section Q (HSMN Draft)

X1	16234.	31.	4964.	5007.	990.	990.	990.	990.	990.	990.
GR	645.	4439.	640.	4537.	635.	4702.	630.	4752.	625.	4838.
GR	620.	4874.	619.96	4875.	617.79	4927.	616.5	4958.	616.7	4964.
GR	614.7	4971.	610.6	4973.	610.1	4977.	609.9	4989.	609.8	4995.
GR	609.6	4998.	609.	4999.99	609.01	5000.	610.1	5002.	614.8	5004.
GR	616.4	5007.	616.6	5017.	614.3	5032.	613.6	5044.	615.	5049.
GR	620.	5072.	625.	5084.	625.24	5085.	635.	5126.	645.	5169.
GR	650.	5201.	0.	0.	0.	0.	0.	0.	0.	0.
NH	6.	1.	4899.	0.25	4940.1	0.058	5027.	0.14	5045.	0.22
NH	5095.9	1.	5375.	0.	0.	0.	0.	0.	0.	0.
X1	10906.	81.	4940.1	5027.	672.36	672.36	672.36	672.36	672.36	672.36
GR	650.06	3129.	648.42	3172.	645.05	3261.	643.7	3315.	640.05	3461.
GR	639.24	3541.	637.06	3758.	635.05	3957.	634.39	3999.	630.05	4276.
GR	627.8	4394.	625.05	4538.	620.05	4500.	619.51	4739.99	619.51	4740.
GR	618.85	4805.	617.94	4890.	617.84	4899.	617.41	4939.99	617.41	4940.
GR	617.41	4940.01	617.41	4940.09	617.41	4940.1	617.41	4940.11	617.39	4940.2
GR	615.01	4954.	614.	4959.49	614.	4959.5	613.91	4960.	613.91	4960.49
GR	613.91	4960.51	614.01	4971.	614.29	4979.49	614.29	4979.5	614.31	4980.
GR	614.27	4980.49	614.27	4980.51	614.01	4984.	609.81	4988.	609.61	4992.3
GR	609.24	4999.49	609.24	4999.5	609.21	4999.99	609.21	5000.	609.21	5000.49
GR	609.21	5000.51	609.21	5008.	608.92	5019.49	608.92	5019.5	608.91	5020.
GR	609.02	5020.49	609.02	5020.51	609.51	5022.7	614.31	5027.	615.05	5033.
GR	616.87	5045.	616.31	5039.49	616.41	5040.	616.45	5040.49	616.46	5040.51
GR	618.24	5060.1	618.22	5059.9	618.23	5059.99	618.23	5060.	618.24	5060.09
GR	625.05	5114.	628.24	5137.	620.05	5080.	621.21	5095.99	621.21	5096.
GR	640.05	5234.	641.65	5250.	630.05	5150.	635.05	5177.	638.73	5219.
GR	650.05	5375.	0.	0.	645.05	5284.	648.65	5320.	650.05	5334.
GR			0.	0.	0.	0.	0.	0.	0.	0.

NC	5.	0.3	4899.	0.25	0.5	0.058	5060.	0.22	5095.99	1.
NH	5375.	0.	0.	0.	4940.1	0.	0.	0.	0.	0.
NH	17254.	81.	4940.1	5060.	347.84	347.84	347.84	347.84	347.84	347.84
X3	10.	3129.	648.37	3172.	645.	3261.	643.65	3315.	640.	3461.
GR	650.	3541.	637.01	3758.	635.	3957.	634.34	3999.	630.	4276.
GR	639.19	4324.	625.	4538.	620.	4500.	619.46	4739.99	619.46	4740.
GR	627.75	4802.	617.89	4890.	617.79	4899.	617.36	4939.99	617.36	4940.
GR	618.8	4940.01	617.36	4940.09	617.36	4940.1	617.36	4940.11	617.34	4940.2
GR	614.36	4954.	613.95	4959.49	613.95	4959.5	613.86	4960.	613.86	4960.49
GR	617.89	4960.51	613.95	4971.	614.24	4979.49	614.24	4979.5	614.26	4980.
GR	614.36	4980.48	614.22	4980.51	613.96	4984.	609.76	4988.	609.56	4992.3
GR	617.89	4999.49	614.22	4999.5	609.16	4999.99	609.16	5000.	609.16	5000.49
GR	609.19	5000.51	609.16	5008.	608.87	5019.49	608.87	5019.5	608.86	5020.
GR	608.97	5020.49	608.97	5020.51	609.46	5022.7	614.26	5027.	615.	5033.
GR	616.26	5039.49	616.26	5039.5	616.4	5040.	616.4	5040.49	616.41	5040.51

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MH	5.	1.	4899.	0.25	4940.1	0.058	5060.	0.22	5095.99	1.
NH	5375.	0.	0.	0.	0.	0.	0.	0.	0.	0.
X1	17282.	81.	4940.1	5060.	1.	1.	1.	0.	0.	0.
X3	10.									
GR	650.01	3129.	648.38	3172.	645.01	3261.	643.66	620.06	625.06	3461.
GR	639.2	3541.	637.02	3758.	635.01	3957.	634.35	3315.	640.01	4276.
GR	627.76	4394.	625.01	4538.	620.01	4600.	619.47	4739.99	619.47	4740.
GR	618.81	4903.	617.9	4890.	617.8	4899.	617.37	4939.99	617.37	4940.
GR	617.37	4940.01	617.37	4940.09	617.37	4940.1	617.37	4940.11	617.35	4940.2
GR	614.97	4954.	613.96	4959.49	613.96	4959.5	613.87	4960.	613.87	4960.49
GR	613.87	4860.51	613.97	4971.	614.25	4979.49	614.25	4979.5	614.27	4980.
GR	614.23	4980.49	614.23	4380.51	613.97	4984.	609.77	4988.	609.57	4992.3
GR	609.2	4999.49	609.2	4999.5	609.17	4999.99	609.17	5000.	609.17	5000.49
GR	609.17	5000.51	609.17	5008.	608.88	5019.49	608.88	5019.5	608.87	5020.
GR	608.98	5020.49	608.98	5026.51	609.47	5022.7	614.27	5027.	615.01	5033.
GR	616.27	5039.49	616.27	5039.5	616.37	5040.	616.41	5040.49	616.42	5040.51
GR	616.83	5045.	618.18	5059.9	618.19	5059.99	618.19	5050.	618.2	5060.09
GR	618.2	5060.1	618.2	5060.11	620.01	5080.	621.17	5095.99	621.17	5096.
GR	625.01	5114.	628.2	5137.	630.01	5150.	635.01	5177.	638.69	5219.
GR	640.01	5234.	641.61	5250.	645.01	5284.	648.61	5320.	650.01	5334.
GR	650.01	5375.	0.	0.	0.	0.	0.	0.	0.	0.
MH	6.	1.	4899.	0.25	4940.1	0.058	5027.	0.14	5045.	0.22
NH	5095.9	1.	5375.	0.	0.	0.	0.	0.	0.	0.
X1	17363.	81.	4940.1	5027.	86.91	86.91	86.91	0.	0.	0.
GR	650.71	3129.	649.08	3172.	645.71	3261.	644.36	3315.	640.71	3461.
GR	639.9	3541.	637.72	3758.	635.71	3957.	635.05	3999.	630.71	4276.
GR	628.46	4394.	625.71	4538.	620.71	4600.	620.17	4739.99	620.17	4740.
GR	619.51	4803.	618.6	4890.	618.5	4899.	618.07	4939.99	618.07	4940.
GR	618.07	4940.01	618.07	4940.09	618.07	4940.1	618.07	4940.11	618.05	4940.2
GR	615.67	4954.	614.66	4959.49	614.66	4959.5	614.57	4960.	614.57	4960.49
GR	614.57	4960.51	614.67	4971.	614.95	4979.49	614.95	4979.5	614.97	4980.
GR	614.93	4980.49	614.93	4980.51	614.67	4984.	610.47	4988.	610.27	4992.3
GR	609.9	4999.49	609.9	4999.5	609.87	4999.99	609.87	5000.	609.87	5000.49
GR	609.87	5000.51	609.87	5008.	609.58	5019.49	609.58	5019.5	609.57	5020.
GR	608.68	5020.49	608.68	5020.51	610.17	5022.7	614.97	5027.	615.71	5033.
GR	616.97	5039.49	616.97	5039.5	617.07	5040.	617.11	5040.49	617.12	5040.51
GR	617.53	5045.	618.86	5059.9	618.89	5059.99	618.89	5060.	618.9	5060.09
GR	618.9	5060.1	618.9	5060.11	620.71	5080.	621.87	5095.99	621.87	5096.
GR	625.71	5114.	628.9	5137.	630.71	5150.	635.71	5177.	639.39	5219.
GR	640.71	5234.	642.31	5250.	645.71	5284.	649.31	5320.	650.71	5334.
GR	650.71	5375.	0.	0.	0.	0.	0.	0.	0.	0.
NC	7.	1.	4899.	0.1	0.3	0.18	4970.	0.058	5029.6	0.14
NH	5045.	0.22	5091.	0.25	4945.	0.	0.	0.	0.	0.
NH				1.	5538.					

Cross Section 61 (638' U/S County Line)

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T1 Hayes, Seay, Mattern & Mattern
T2 Proj. No. EMA-90-C-3101 Eng: LJM/EKL ET:TFH
T3 Clarke Creek (CLARKE.IN) Date: 10/05/91

Cabarrus County, NC FIS
Comm. No. 2373
100-Year Floodway

J1 ICHECK INQ NINV IDIR STRT METRIC HWINS Q WSEL FQ
6.0 603.95 CHNIN ITRACE

J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IBV

15. -1.0

THIS RUN EXECUTED 05OCT91 17:41:50

 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

Clarke Creek (CLARKE.IN)

SUMMARY PRINTOUT TABLE 110

SECCO	CWSEL	DIFKWS	EG	TOPWID	QL08	QCH	QRO8	PERENC	STENCL	STCHL	STCHR	STENCR
664.000	603.95	3.95	604.22	1031.87	1139.09	7072.87	989.04	.00	.00	4945.50	5055.00	.00
664.000	603.95	.00	604.34	201.87	680.61	7981.26	539.13	.13	4899.37	4945.50	5055.00	5101.24
695.000	604.05	.00	604.26	1038.71	895.73	7690.35	614.92	.00	.00	4934.10	5081.70	.00
695.000	604.78	.73	605.05	201.87	421.42	8649.92	129.66	.13	4899.37	4934.10	5081.70	5101.24
805.500	604.14	.00	604.41	1029.05	1137.34	7077.80	985.86	.00	.00	4945.50	5055.00	.00
805.500	604.86	.73	605.21	200.94	682.93	7971.00	547.07	.13	4899.77	4945.50	5055.00	5100.71
* 1468.000	605.21	.00	605.49	817.30	2273.02	2757.81	4170.16	.00	.00	4988.00	5013.00	.00
* 1468.000	606.00	.79	606.35	356.49	1950.34	3088.97	4161.68	.13	4915.87	4988.00	5013.00	5272.36
2143.000	607.18	.00	607.68	516.76	4340.62	3931.36	929.02	.00	.00	4988.00	5013.00	.00
2143.000	608.02	.84	608.88	282.91	4316.98	4360.09	523.93	.12	4749.89	4988.00	5013.00	5032.81
* 2883.000	609.54	.00	609.69	1111.84	2940.91	2406.11	3853.92	.00	.00	4988.00	5013.00	.00
* 2883.000	610.49	.95	610.65	610.00	2671.62	2554.92	3974.46	610.00	4665.00	4988.00	5013.00	5275.00
3805.000	610.65	.00	610.71	1870.56	4869.92	1715.85	2675.24	.00	.00	4988.00	5013.00	.00
3805.000	611.58	.93	611.65	1160.00	4873.70	1905.42	2421.87	1160.00	4160.00	4988.00	5013.00	5320.00
4785.000	611.59	.00	611.64	1931.74	2922.22	1571.60	4707.18	.00	.00	4988.00	5013.00	.00
4785.000	612.53	.94	612.60	1285.00	2710.80	1759.47	4730.73	1285.00	4685.00	4988.00	5013.00	5970.00
5500.000	612.38	.00	612.43	2245.03	3370.05	1489.34	4541.61	.00	.00	4988.00	5013.00	.00
5500.000	613.37	.99	613.44	1225.00	3974.67	1773.16	3453.17	1225.00	4325.00	4988.00	5013.00	5550.00
6092.000	613.12	.00	613.21	1170.43	5105.21	1809.76	2286.03	.00	.00	4988.00	5013.00	.00
6092.000	614.10	.90	614.17	900.00	5066.05	1828.17	2316.78	900.00	4350.00	4988.00	5013.00	5250.00
6889.000	614.45	.00	614.65	979.83	3662.27	2548.09	2990.64	.00	.00	4988.00	5013.00	.00
6889.000	615.20	.75	615.39	330.00	3626.53	2585.57	2988.90	690.00	4660.00	4988.00	5013.00	5350.00

SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
8214.000	617.49	.00	617.65	784.19	4341.99	2339.54	2519.47	.00	.00	4982.00	5005.00	.00
8214.000	618.14	.65	618.35	431.30	4330.41	2636.48	2234.11	.13	4656.94	4982.00	5005.00	5088.25
* 8964.000	618.41	.00	618.43	1520.34	4501.88	1210.61	3488.52	.00	.00	4982.00	5005.00	.00
* 8964.000	619.10	.69	619.13	630.00	4437.78	1245.38	3517.84	630.00	4650.00	4982.00	5005.00	5280.00
9654.000	618.91	.00	619.01	919.67	3567.98	1946.81	3686.21	.00	.00	4990.00	5012.00	.00
* 9654.000	619.57	.66	619.73	452.34	3455.32	2196.51	3549.16	.13	4877.92	4990.00	5012.00	5330.26
10571.000	620.20	.00	620.38	926.23	3262.54	2409.50	3528.96	.00	.00	4990.00	5012.00	.00
10571.000	620.98	.79	621.23	457.83	3125.02	2702.04	3373.94	.14	4375.84	4990.00	5012.00	5333.67
11315.000	621.60	.00	621.89	758.38	3334.29	3387.75	2478.96	.00	.00	4987.00	5017.00	.00
11315.000	622.48	.88	622.87	370.07	3185.77	3830.34	2184.90	.14	4734.79	4987.00	5017.00	5104.86
12514.000	623.50	.00	623.86	499.00	691.69	5878.73	2630.58	.00	.00	4986.00	5044.00	.00
12514.000	624.49	.99	624.94	237.47	238.28	6594.57	2368.15	.12	4973.49	4986.00	5044.00	5210.96
14374.000	626.31	.00	626.76	422.34	906.51	6257.46	2037.03	.00	.00	4965.00	5026.00	.00
14374.000	627.31	1.00	627.81	187.12	661.00	6727.75	1812.25	.09	4920.07	4965.00	5026.00	5117.20
15244.000	627.92	.00	628.25	570.47	2555.70	5014.29	1631.02	.00	.00	4980.00	5026.00	.00
15244.000	628.86	.94	629.25	239.99	2418.90	5440.15	1341.95	.10	4850.26	4980.00	5026.00	5090.25
16234.000	628.58	.00	630.07	343.91	1778.42	5553.29	1869.29	.00	.00	4964.00	5007.00	.00
16234.000	630.49	.92	631.07	161.77	1570.98	6024.56	1605.46	.09	4892.50	4964.00	5007.00	5054.27
* 16906.000	630.59	.00	630.83	911.69	1260.32	7048.28	892.39	.00	.00	4940.10	5027.00	.00
* 16906.000	631.56	.96	631.83	350.46	1007.14	7636.39	557.47	.09	4703.20	4940.10	5027.00	5053.67
17254.000	630.86	.00	631.04	933.78	1133.77	7743.67	323.56	.00	.00	4940.10	5060.00	.00
17254.000	631.85	.99	632.05	305.63	834.50	8366.50	.00	.09	4754.37	4940.10	5060.00	5060.00
* 17255.000	630.83	.00	631.08	931.84	2065.11	6921.98	213.91	.00	.00	4940.10	5060.00	.00
* 17255.000	631.80	.97	632.11	322.16	1456.16	7744.83	.00	.20	4737.84	4940.10	5060.00	5060.00
17281.000	630.93	.00	631.18	938.76	2075.56	6906.87	218.56	.00	.00	4940.10	5060.00	.00
17281.000	631.89	.97	632.20	329.59	1438.92	7762.07	.00	.20	4730.41	4940.10	5060.00	5060.00
* 17282.000	631.03	.00	631.20	944.28	1143.05	7731.63	326.32	.00	.00	4940.10	5060.00	.00
* 17282.000	632.04	1.01	632.24	313.52	855.49	8345.51	.00	.09	4746.48	4940.10	5060.00	5060.00
17368.000	631.04	.00	631.22	856.89	1244.57	7069.05	887.38	.00	.00	4940.10	5027.00	.00
17368.000	632.05	1.01	632.33	341.92	987.41	7665.62	547.97	.09	4710.79	4940.10	5027.00	5052.71
18006.000	631.56	.00	631.66	1225.16	3737.92	4069.03	1394.05	.00	.00	4970.00	5029.00	.00
18006.000	632.58	1.02	632.70	833.79	3670.28	4413.95	1116.77	.08	4252.02	4970.00	5029.00	5085.82
18706.000	631.85	.00	631.90	2138.57	3659.63	3921.19	1620.17	.00	.00	4948.00	5029.00	.00
18706.000	632.88	1.03	632.94	1431.54	3594.47	4262.79	1343.74	.09	3797.45	4948.00	5029.00	5228.99

FLOODWAY DATA, Clarke Creek (CLARKE.IN)
PROFILE NO. 2

REGULATORY

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
664.000	202.	2496.	3.7	603.9	603.9	.0
695.000	202.	2663.	3.5	604.8	604.1	.7
705.500	201.	2624.	3.5	604.8	604.1	.7
A 1468.000	356.	4450.	2.1	606.0	605.2	.8
B 2143.000	283.	3585.	2.5	608.0	607.2	.8
C 2883.000	610.	8387.	1.1	610.4	609.5	.9
D 3805.000	1160.	15813.	.6	611.6	610.7	.9
E 4785.000	1285.	17192.	.5	612.5	611.6	.9
F 5500.000	1225.	14876.	.6	613.4	612.4	1.0
G 6092.000	900.	11944.	.8	614.1	613.1	1.0
H 6889.000	690.	8551.	1.1	615.3	614.5	.8
I 8214.000	431.	6316.	1.5	618.2	617.5	.7
J 8964.000	630.	9486.	1.0	619.1	618.4	.7
K 9654.000	452.	6538.	1.4	619.6	618.9	.7
L 10571.000	458.	6095.	1.5	621.0	620.2	.8
M 11315.000	370.	5026.	1.8	622.5	621.6	.9
N 12514.000	237.	3713.	2.5	624.5	623.5	1.0
O 14374.000	187.	2595.	3.5	627.3	626.5	1.0
P 15244.000	240.	3387.	2.7	628.8	627.9	.9
Q 16234.000	162.	2450.	3.8	630.5	629.6	.9
16906.000	350.	5144.	1.8	631.6	630.6	1.0
17254.000	306.	4721.	1.9	631.9	630.9	1.0
17255.000	322.	3839.	2.4	631.8	630.8	1.0
17281.000	330.	3890.	2.4	631.9	630.9	1.0
17282.000	314.	4875.	1.9	632.0	631.0	1.0
R 17368.000	342.	4983.	1.8	632.0	631.0	1.0
18006.000	834.	14763.	.6	632.6	631.6	1.0
18706.000	1452.	25528.	.4	632.9	631.9	1.0

606.8 A
607.2 B
609.5 C
610.7 D
611.6 E
612.4 F
613.1 G
614.5 H
617.5 I
618.4 J
618.9 K
620.2 L
621.6 M
623.5 N
626.5 O
627.9 P
629.6 Q

631.6 R