

Exhibit CACH2

Caldwell Creek HEC-2 Output

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

Multiple Output

Caldwell Creek HEC-2 Output Multiple

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HSMM Number : 2373

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*****
* HEC-2 WATER SURFACE PROFILES *
* *
* Version 4.6.2; May 1991 *
* *
* RUN DATE 14OCT91 TIME 15:05:45 *
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* U.S. ARMY CORPS OF ENGINEERS *
* HYDROLOGIC ENGINEERING CENTER *
* 609 SECOND STREET, SUITE D *
* DAVIS, CALIFORNIA 95616-4087 *
* (916) 756-1104 *
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HAYES, SEAY, MATTERN & MATTER, INC.
ROANOKE, VIRGINIA - GREENSBORO, NORTH CAROLINA
COMMISSION NUMBER: 2373
INPUT FILE NAME: CAC_MULT.HEC
OUTPUT FILE NAME: CAC_MULT.OUT

THIS RUN EXECUTED 14OCT91 15:05:45

 HEC-2 WATER SURFACE PROFILES
 Version 4.6.2: May 1991

T1 Hayes, Seay, Mattern & Mattern Cabarrus County, NC FIS
 T2 Proj. No. EKW-90-C-3101 Eng:LJM/EKL ET:TFH Comm. No. 2373
 T3 Caldwell Creek (CAC.IN) Date: 10/14/91 10-Year Event

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ
 2.0 0.0035 540.0
 J2 NPROF 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	0.16	0.18	0.05	0.1	0.3					
NH	7.	1.	4804.	0.32	4901.	0.18	4982.5	0.06	5028.	0.18
NH	5200.	0.32	5343.	1.	5495.	0.	0.	0.	0.	0.
QT	8.	2138.	3340.	3913.	5652.	3913.	1027.	1644.	2771.	
ET	0.00	0.00	0.00	0.00	0.00	10.41	0.00	0.00	0.00	0.00

 HEC-2 Input file created with CodeH2
 Version: 3.79
 CodeH2 Copyrighted 1986 - 1991
 Run Date: Monday October 14, 1991
 Run Time: 15:05:24

The Following Options Have Been Activated :

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

Cross Section CALDWELL 100
Cross Section A (HSMH Draft)

X1 87.	23.	4982.5	5028.	87.	87.	4696.	0.	4724.
GR 585.	4648.	580.	4566.	575.	570.	539.79	560.	4901.
GR 550.	4747.	545.	4764.	540.	525.84	4937.5	526.59	5000.
GR 535.	4964.	537.34	4982.5	527.94	535.	5200.	539.63	5343.
GR 527.94	5004.5	530.	5010.	535.	537.53	0.	0.	0.
GR 540.	5368.	545.	5445.	550.	5495.	0.	0.	0.
NH 7.	1.	4772.	0.32	4857.	4977.	0.06	5026.	0.18
NH 5104.	0.32	5201.	1.	5379.	0.	0.	0.	0.

Cross Section CALDWELL 101
Cross Section B (HSMH Draft)

X1 1020.	25.	4977.	5026.	943.	943.	4600.	0.	4643.
GR 575.	4285.	570.	4373.	565.	560.	4850.	555.	4857.
GR 550.	4770.	549.71	4772.	545.	540.	5000.	539.72	5004.5
GR 535.	4977.	532.85	4989.5	4997.5	531.5	5201.	545.	5215.
GR 550.	5026.	537.35	5104.	540.	541.96	5331.	575.	5379.
GR 550.	5237.	560.	5279.	565.	570.	0.	5022.5	0.18
NH 7.	1.	4703.	0.32	4847.	4977.5	0.06	0.	0.00
NH 5063.	0.32	5086.	1.	5243.	0.	0.	0.	0.00
ET 0.00	0.00	0.00	0.00	0.00	4875.00	5025.00	0.00	0.00

Cross Section CALDWELL 102
Cross Section C (HSMH Draft)

X1 1902.	26.	4977.5	5022.5	872.	872.	4687.	0.	4703.
GR 570.	4487.	565.	4562.	555.	550.	4952.	540.52	4977.5
GR 550.	4749.	545.	4767.	540.	537.22	5009.5	541.22	5022.5
GR 537.22	4984.5	536.32	4993.5	5000.	531.88	5088.	560.	5114.
GR 540.	5037.	545.	5063.	550.	551.88	5185.	595.	5226.
GR 570.	5139.	575.	5147.	580.	595.	0.	0.	0.
GR 600.	5243.	0.	0.	0.	0.	0.	0.	0.
NH 7.	1.	4796.	0.32	4916.	4963.	0.06	5038.	0.16
NH 5062.9	0.32	5150.	1.	5451.	0.	0.	0.	0.
ET 0.00	0.00	0.00	0.00	0.00	4900.00	5025.00	0.00	0.00
X1 2580.5	53.	4963.	5038.	678.5	678.5	4551.	563.08	4598.
GR 578.08	4452.	573.08	4508.	571.	570.	4704.	551.99	4739.
GR 562.99	4599.	558.08	4651.	4665.	533.08	4912.9	547.66	4913.
GR 550.28	4794.	550.22	4756.	4865.	547.66	4962.9	546.25	4963.
GR 547.55	4916.	546.76	4937.9	4938.	546.26	4987.81	543.33	4987.91
GR 543.47	4987.49	543.46	4987.5	4987.7	543.37	5007.	542.66	5013.
GR 543.3	4988.	541.26	4993.	5000.	541.25	5018.8	543.8	5018.91
GR 543.7	5018.49	543.72	5018.59	5038.	551.55	5063.	551.56	5063.
GR 543.82	5019.	549.86	5037.9	5093.	553.96	5112.9	553.97	5113.
GR 552.85	5087.9	552.86	5088.	5176.	568.08	5284.	568.08	5312.
GR 558.08	5150.	559.99	5176.	5451.	0.	0.	0.	0.
GR 571.31	5365.	573.08	5394.	5451.	0.	0.	0.	0.

NC	7.	4916.	0.3	0.5	0.18	4988.	0.06	5019.	0.16
NH	5062.9	4796.	0.32	4916.	0.	0.	0.	0.	0.
RH	5150.	5150.	1.	5451.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	7.11	4900.00	5025.00	0.00	0.00
X1	2880.5	4988.	53.	300.	300.	0.	0.	0.	0.
X3	10.								
GR	579.99	574.99	4452.	572.91	4530.	569.99	552.1	564.99	4598.
GR	564.9	559.99	4599.	558.67	4665.	554.99	4704.	553.9	4739.
GR	552.19	552.13	4794.	549.99	4865.	549.57	4912.9	549.57	4913.
GR	549.46	548.67	4916.	548.67	4938.	548.17	4962.9	548.16	4963.
GR	545.30	545.37	4987.49	545.33	4987.7	545.28	4987.81	545.24	4987.91
GR	545.21	543.17	4988.	542.77	5000.	543.17	5007.	544.57	5013.
GR	545.61	545.62	5018.59	545.65	5018.7	545.67	5018.8	545.71	5018.91
GR	545.73	551.77	5019.	551.78	5038.	553.46	5062.9	553.47	5063.
GR	554.75	554.77	5087.9	554.99	5093.	555.87	5112.9	555.88	5113.
GR	559.99	561.9	5150.	564.99	5218.	568.5	5284.	569.99	5312.
GR	573.22	574.99	5394.	574.99	5451.	0.	0.	0.	0.
SB	1.25	2.60	1.87	24.80	0.00	226.18	0.03	542.58	542.58
NH	7.	4796.	0.32	4716.	0.18	4988.	0.06	5019.	0.16
NH	5062.9	5150.	1.	5451.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	7.11	4900.00	5025.00	0.00	0.00

SR 1141

X1	2900.5	4988.	53.	5019.	20.	20.	0.00	0.00	0.00
X2	0.00	1.00	0.00	551.61	0.00	0.00	0.00	553.31	572.92
X3	10.								564.91
BT	-53.	560.02	4452.	4508.	575.02	575.	4530.	575.	555.
BT		572.75	4561.	4598.	570.07	565.	4599.	570.	552.14
BT		566.06	4651.	4665.	565.	558.68	4704.	562.36	549.59
BT		560.	4739.	4794.	555.	552.2	4796.	555.	548.68
BT		554.95	4855.	4912.9	554.92	549.58	4913.	554.92	545.39
BT		554.85	4916.	4937.9	554.33	548.68	4938.	554.33	551.61
BT		553.66	4962.9	4963.	553.06	548.17	4987.49	553.31	551.6
BT		553.31	4967.6	545.38	555.91	545.34	4987.81	555.91	551.55
BT		555.91	4987.91	4988.	555.91	551.61	4993.	555.9	551.55
BT		555.88	5000.	5007.	555.87	551.57	5013.	555.85	549.15
BT		555.84	5018.49	5018.59	555.84	550.4	5018.7	555.84	545.74
BT		553.24	5018.8	5018.91	553.24	546.76	5019.	553.24	553.47
BT		553.58	5037.9	5038.	553.58	551.79	5062.9	554.67	555.79
BT		554.67	5063.	5067.9	555.81	554.77	5088.	555.79	565.
BT		555.02	5093.	5112.9	557.28	555.88	5113.	557.29	573.23
BT		560.02	5150.	5176.	561.93	561.91	5365.	565.02	0.
BT		568.53	5284.	5312.	570.02	570.	5365.	573.25	0.
BT		575.02	5394.	5451.	575.02	575.	0.	573.25	0.
GR	580.	575.	4452.	4508.	4530.	570.	4561.	565.	4598.
GR	564.91	560.	4599.	4651.	4665.	555.	4704.	553.91	4739.
GR	552.2	552.14	4794.	550.	4865.	549.58	4912.9	549.58	4913.
GR	549.47	548.68	4916.	548.68	4938.	548.18	4962.9	548.17	4963.
GR	545.39	545.38	4987.49	545.38	4987.7	551.61	4987.81	545.25	4987.91
GR	545.22	543.18	4988.	542.58	5000.	543.18	5007.	544.58	5013.
GR	551.54	545.64	5018.49	545.66	5018.7	545.68	5018.8	545.72	5018.91

GR	545.74	5019.	551.78	5037.9	551.79	5038.	553.47	5062.9	553.48	5063.
GR	554.77	5087.9	554.78	5086.	555.	5093.	555.88	5112.9	555.89	5113.
GR	560.	5150.	561.91	5176.	565.	5218.	568.51	5284.	570.	5312.
GR	573.23	5365.	575.	5394.	575.	5451.	0.	0.	0.	0.
NH	7.	1.	4796.	0.32	4916.	0.18	4963.	0.06	5038.	0.16
NH	5062.9	0.32	5150.	1.	5451.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4900.00	5025.00	0.00	0.00
X1	2976.5	53.	4963.	5038.	76.	76.	76.	0.	0.	0.
GR	580.22	4452.	575.22	4508.	573.14	4530.	570.22	4561.	565.22	4598.
GR	565.13	4599.	560.22	4651.	558.9	4665.	555.22	4704.	554.13	4739.
GR	552.42	4794.	552.36	4796.	550.22	4865.	549.8	4912.9	549.8	4913.
GR	549.69	4916.	548.9	4937.9	548.9	4938.	548.4	4962.9	548.39	4963.
GR	545.61	4987.49	545.6	4987.5	545.56	4987.7	545.51	4987.81	545.47	4987.91
GR	545.44	4988.	543.4	4993.	542.8	5000.	543.4	5007.	544.8	5013.
GR	545.84	5018.49	545.86	5018.59	545.88	5018.7	545.9	5018.8	545.94	5018.91
GR	545.96	5019.	552.	5037.9	552.01	5038.	553.69	5062.9	553.7	5063.
GR	554.99	5087.9	555.	5088.	555.22	5093.	556.1	5112.9	556.11	5113.
GR	560.22	5150.	562.13	5176.	565.22	5218.	568.73	5284.	570.22	5312.
GR	573.45	5365.	575.22	5394.	575.22	5451.	0.	0.	0.	0.

NC	7.	1.	4840.	0.1	0.3	0.18	4977.5	0.06	5022.5	0.13
NH	5103.	0.32	5235.	1.	5397.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.41	0.00	0.00	0.00	0.00

Cross Section CALDWELL 103
Cross Section D (HSMW Draft)

X1	3676.	22.	4977.5	5022.5	699.5	699.5	693.5	4874.	0.	4909.
GR	575.	4700.	570.	4789.	567.	4840.	565.	4977.5	560.	4984.5
GR	555.	4927.	550.	4952.	549.8	4957.	548.97	5022.5	545.67	5027.
GR	544.77	4953.5	545.14	5000.	545.67	5009.5	549.67	5246.	550.	5281.
GR	552.25	5103.	555.	5196.	559.	5236.	560.	0.	565.	5281.
GR	570.	5322.	575.	5397.	0.	0.	0.	0.	0.	0.
NH	7.	1.	4493.	0.32	4672.	0.18	4977.5	0.06	5024.	0.13
NH	5063.	0.32	5103.	1.	5237.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4630.00	5024.00	0.00	0.00

Cross Section CALDWELL 104
Cross Section E (HSMW Draft)

X1	4435.	23.	4977.5	5024.	759.	759.	759.	4399.	0.	4493.
GR	575.	4136.	570.	4248.	565.	4318.	560.	4858.	557.75	4977.5
GR	555.	4608.	555.	4672.	555.	4618.	555.	5000.	550.1	5009.5
GR	550.	4980.	547.82	4984.5	546.92	4993.5	547.29	5092.	517.82	5108.
GR	550.	5024.	555.	5052.	556.38	5063.	560.	0.	561.55	5108.
GR	565.	5133.	570.	5204.	575.	5237.	0.	0.	0.	0.

NH	7.	1.	4813.	0.23	4915.	0.16	4973.	0.065	5041.	0.18
NH	5053.	0.32	5101.	1.	5234.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.41	0.00	0.00	0.00	0.00

Cross Section CALDWELL 109
Cross Section J (HSMH Draft)

X1	8855.	22.	4973.	5041.	966.	966.	966.	0.	0.	0.
GR	600.	4625.	595.	4652.	590.	4695.	565.	4735.	580.	4761.
GR	575.	4794.	573.39	4813.	570.	4853.	567.42	4915.	565.	4973.
GR	561.68	4979.	559.48	4989.	560.24	5000.	561.68	5021.	565.	5041.
GR	585.67	5053.	570.	5077.	574.14	5101.	575.	5106.	585.	5144.
GR	595.	5194.	600.	5234.	0.	0.	0.	0.	0.	0.
NH	7.	1.	4827.	0.32	4927.	0.18	4980.5	0.065	5019.5	0.18
NH	5077.	0.32	5140.	1.	5341.	0.	0.	0.	0.	0.

Cross Section CALDWELL 110
Cross Section K (HSMH Draft)

X1	9522.	21.	4980.5	5019.5	667.	667.	667.	4827.	0.	4843.
GR	600.	4635.	590.	4715.	580.	4795.	576.67	4980.5	575.	4982.5
GR	570.	4878.	565.	4923.	564.97	4927.	564.56	4980.5	563.06	5077.
GR	561.16	4988.5	561.91	5000.	563.06	5017.5	565.76	5019.5	565.	5077.
GR	570.	5104.	573.75	5140.	575.	5152.	585.	5231.	595.	5293.
GR	610.	5341.	0.	0.	0.	0.	0.	0.	0.	0.
NH	7.	1.	4792.	0.32	4910.	0.18	4982.5	0.065	5017.5	0.18
NH	5080.	0.32	5183.	1.	5358.	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 CALDWELL 111
Cross Section L (HSMH Draft)

X1	10409.	21.	4982.5	5017.5	887.	887.	887.	4783.	0.	4792.
GR	600.	4540.	590.	4617.	580.	4732.	575.	4982.5	574.29	4988.5
GR	570.	4846.	567.36	4910.	565.	4967.	564.78	5080.	563.38	5137.
GR	563.94	5000.	564.78	5017.5	565.	5029.	567.36	5080.	570.	5137.
GR	574.51	5183.	575.	5188.	580.	5221.	590.	5258.	595.	5306.
GR	600.	5358.	0.	0.	0.	0.	0.	0.	0.	0.
NH	7.	1.	4824.	0.32	4931.	0.18	4959.	0.065	5041.	0.18
NH	5170.	0.32	5269.	1.	5372.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4950.00	5100.00	0.00	0.00

Cross Section CALDWELL 113
Cross Section M (HSMH Draft)

X1	12198.	18.	4959.	5041.	1789.	1789.	1789.	4824.	0.	4875.
GR	600.	4675.	595.	4748.	590.	4790.	586.	4991.5	580.	5000.
GR	570.	4915.	573.16	4931.	570.	4959.	568.06	5262.	568.39	5269.
GR	570.	5041.	573.82	5170.	575.	5210.	585.	0.	588.18	0.
GR	590.	5273.	595.	5324.	600.	5372.	0.	0.	0.	0.

NH 7. 1. 4516. 0.32 4828. 0.18 4983.5 0.065 5016.5 0.18
 WH 5112. 0.32 5273. 1. 5653. 0. 0. 0. 0. 0.
 ET 0.00 0.00 0.00 0.00 0.00 7.11 4800.00 5125.00 0.00 0.00

Cross Section CALDWELL 114
 Cross Section N (HSMH Draft)

X1 13103. 22. 4983.5 5016.5 905. 905. 905. 905. 905. 905.
 GR 600. 4129. 595. 4284. 590. 4371. 595. 4451. 580. 4544.
 GR 578.47 4616. 575. 4779. 478. 4828. 575.18 4983.5 573.28 4987.5
 GR 570.86 4991.5 571.81 5000. 573.22 5013.5 575.18 5016.5 575.09 5112.
 GR 575. 5216. 577.99 5273. 580. 5310. 585. 5400. 590. 5453.
 GR 595. 5539. 600. 5653. 0. 0. 0. 0. 0. 0.
 KC 0.3 0.5 0.32 4817. 0.18 4988. 0.065 5013. 0.18
 NH 7. 1. 4528. 0.32 4817. 0. 4988. 0. 5013. 0. 0.
 NH 5164. 0.32 5307. 1. 5829. 0. 0. 0. 0. 0.
 QT 8. 1767. 2906. 3430. 3430. 3430. 622. 1332. 2359. 0.
 ET 0.00 0.00 0.00 0.00 0.00 7.11 4850.00 5150.00 0.00 0.00
 X1 13492. 55. 4988. 5013. 389.5 389.5 389.5 389.5 389.5 389.5
 X3 10. 4442. 595. 4482. 590. 4535. 585. 579.62 578.84 4628.
 GR 600. 4630. 579.62 4817. 579.38 4934.99 4935. 4575. 580.18 4628.
 GR 578.98 4960. 574.56 4984.99 574.56 4985. 574.16 4935. 578.98 4959.99
 GR 573.77 4989.5 573.68 4990. 572.98 4991. 572.18 4982. 572.08 4988.
 GR 571.48 4993.99 571.48 4994. 571.61 4995.5 571.73 4997. 571.85 4998.5
 GR 571.98 4999.98 571.98 5000. 571.99 5001. 572.02 5002.5 572.04 5004.
 GR 572.06 5005.5 572.08 5006.99 572.08 5007. 573.68 5008. 573.67 5008.5
 GR 573.65 5013. 573.63 5011.5 573.61 5013. 573.58 5014.98 573.58 5014.99
 GR 573.59 5015. 573.58 5015.01 576.68 5034.99 576.68 5035. 578.08 5035.99
 GR 578.08 5060. 577.88 5084.99 577.88 5085. 578.84 5164. 580. 5260.
 GR 581.99 5307. 585. 5378. 590. 5482. 595. 5659. 600. 5829.
 SB 1.25 1.91 2.60 0.00 17.50 1.00 131.95 0.34 571.48 571.48
 NH 7. 1. 4628. 0.32 4817. 0.18 4988. 0.065 5013. 0.18
 NH 5164. 0.32 5307. 1. 5829. 0. 0. 0. 0. 0.
 ET 0.00 0.00 0.00 0.00 0.00 7.11 4850.00 5150.00 0.00 0.00

STERMURIDGE RD

X1 13512. 55. 4988. 5013. 5013. 20. 20. 0.00 0.00 0.00
 X2 0.00 0.00 1.00 578.48 578.84 0.00 0.00 0.00 0.00 0.00
 X3 10. 4442. 600.02 600. 4482. 595.02 595. 579.62 578.84 590.
 BT -55. 4575. 585.02 585. 4628. 580.2 580.18 4630. 580.02 580.
 BT 4817. 579.64 579.62 578.98 4934.99 579.38 579.38 4935. 580.88 579.38
 BT 4959.99 581.29 578.98 4960. 581.29 581.29 581.32 4984.99 581.32 574.56
 BT 4985. 583.72 574.55 4985.01 583.72 574.56 574.56 4988. 583.65 574.98
 BT 4969.5 583.63 577.3 4990. 583.62 577.53 4991. 583.59 578.01
 BT 4992. 583.57 578.25 4992.5 583.56 578.37 4993.99 583.53 578.48
 DT 4994. 583.53 578.48 4995.5 583.5 578.37 4997. 583.47 578.01
 BT 4998.5 583.44 577.3 4999.98 583.41 575.01 5000. 574.98
 ET 5001. 583.38 574.98 5002.5 583.35 577.3 5004. 583.32 578.01

BT	5005.5	583.29	578.37	5006.99	583.26	578.48	5007.	583.26	578.48
BT	5008.	583.24	578.41	5008.5	583.23	578.37	5010.	583.19	578.01
BT	5011.5	583.16	577.3	5013.	583.13	574.98	5014.98	583.09	573.58
BT	5014.99	583.09	573.58	5015.	580.69	573.58	5015.01	580.69	573.58
BT	5034.59	580.07	576.68	5035.	580.07	576.68	5059.95	579.95	578.08
BT	5060.	578.95	578.08	5084.39	580.12	577.88	5085.	580.12	577.88
BT	5164.	578.86	578.84	5260.	580.02	580.	5307.	582.01	581.99
BT	5378.	585.02	585.	5482.	590.02	590.	5659.	595.02	595.
BT	5829.	600.02	600.	590.	0.	0.	0.	0.	0.
BT	600.	4442.	4482.	590.	4535.	585.	4575.	580.18	4628.
GR	580.	4630.	481.	579.38	4934.90	579.38	4935.	578.98	4959.99
GR	578.98	4960.	4984.99	574.56	4985.	574.56	4985.01	574.98	4988.
GR	572.66	4989.5	572.43	4990.	4991.	571.71	4992.	571.59	4992.5
GR	571.48	4993.98	4994.	571.59	4995.5	571.95	4997.	572.66	4998.5
GR	574.95	4999.98	4994.	574.98	5001.	572.66	5002.5	571.95	5004.
GR	571.59	5005.5	5000.	571.48	5007.	571.55	5008.	571.59	5008.5
GR	571.85	5010.	5006.99	574.98	5013.	573.58	5014.98	573.58	5014.99
GR	573.58	5015.	5015.01	576.68	5034.99	576.68	5035.	578.08	5059.99
GR	578.08	5060.	5084.99	577.88	5085.	578.84	5164.	580.	5260.
GR	581.99	5307.	5378.	590.	5482.	595.	5659.	600.	5829.
NH	7.	4628.	0.32	4817.	0.18	4960.	0.065	5060.	0.18
NH	5164.	5307.	1.	5829.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	7.11	4850.00	5150.00	0.00	0.00
X1	13613.	55.	5060.	101.	101.	101.	0.	0.	0.
GR	600.28	4442.	4482.	590.26	4535.	585.28	4575.	580.46	4628.
GR	580.28	4630.	4817.	579.66	4934.99	579.66	4935.	579.26	4959.99
GR	579.26	4960.	4984.99	574.84	4985.	574.84	4985.01	574.31	4988.
GR	574.05	4989.5	4990.	573.26	4991.	572.56	4992.	572.36	4992.5
GR	571.75	4993.99	4994.	571.89	4995.5	572.01	4997.	572.14	4998.5
GR	572.26	4999.98	5000.	572.27	5001.	572.3	5002.5	572.32	5004.
GR	572.34	5005.5	5006.99	572.36	5007.	573.96	5008.	573.95	5008.5
GR	573.93	5010.	5011.5	573.89	5013.	573.86	5014.98	573.86	5014.99
GR	573.86	5015.	5015.01	576.96	5034.99	576.96	5035.	578.36	5059.99
GR	578.36	5030.	5084.99	578.16	5085.	579.12	5164.	580.28	5260.
GR	582.27	5307.	5378.	590.28	5482.	595.28	5659.	600.28	5829.
KC	7.	0.1	0.32	0.3	0.18	4990.5	0.065	5009.5	0.18
NH	5271.	4785.	1.	4889.	0.	0.	0.	0.	0.
ET	0.00	5499.	1.	5874.	0.	0.	5240.00	0.00	0.00
ET	0.00	0.00	0.00	0.00	7.11	4835.00	0.00	0.00	0.00

Cross Section Caldwell 115
Cross Section O (HSM Draft)

X1	14511.	20.	4990.5	5009.5	897.5	897.5	4766.	0.	4786.
GR	600.	4551.	4588.	590.	4733.	585.	4992.5	583.89	4999.5
GR	580.	4856.	4889.	579.03	4990.5	575.43	5271.	574.23	5475.
GR	574.38	5000.	5003.5	579.03	5009.5	579.57	5732.	580.	5874.
GR	581.28	5499.	5569.	590.	5652.	595.	0.	600.	0.

NH	7.	1.	4601.	0.32	4908.	0.18	4990.5	0.065	5009.5	0.18
NH	5127.	0.32	5198.	1.	5386.	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 CALDWELL 116
Cross Section P (HSMH Draft)

X1	15383.	22.	4990.5	5009.5	872.	872.	872.	4735.	0.	4778.
GR	610.	4513.	505.	4572.	600.	4655.	595.	590.	590.	4990.5
GR	577.33	4801.	585.	4821.	580.	4908.	580.	4954.	581.43	5009.5
GR	577.83	4992.5	576.63	4999.5	576.78	5000.	577.83	5003.5	581.43	5198.
GR	560.	5052.	585.	5099.	587.	5127.	590.	5163.	592.5	0.
GR	595.	5227.	500.	5386.	0.	0.	0.	0.	0.	0.
NH	7.	1.	4729.	0.32	4849.	0.18	4990.5	0.065	5009.5	0.18
NH	5150.	0.32	5232.	1.	5377.	0.	0.	0.	0.	0.

Cross Section CALDWELL 117
Cross Section Q (HSMH Draft)

X1	16207.	20.	4990.5	5009.5	824.	824.	824.	4455.	0.	4518.
GR	610.	4152.	605.	4274.	600.	4360.	595.	590.	590.	4992.5
GR	585.	4728.	585.	4729.	584.4	4849.	583.69	4950.5	580.09	5150.
GR	578.69	4999.5	579.04	5000.	580.09	5003.5	583.69	5009.5	584.91	5377.
GR	585.	5160.	590.	5228.	590.29	5232.	595.	5296.	600.	0.
NH	7.	1.	4910.	0.2	4955.	0.11	4989.5	0.065	5011.6	0.1
NH	5045.	0.21	5081.	1.	5976.	0.	0.	0.	0.	0.
X1	16494.	44.	4989.5	5011.6	287.	287.	287.	4671.	0.	4806.
GR	603.12	4408.	598.12	4556.	596.86	4585.	593.12	4955.	581.08	4989.5
GR	585.39	4910.	584.48	4944.49	584.48	4944.5	583.69	4955.	579.98	5005.5
GR	579.79	4894.48	579.79	4994.49	579.78	4994.5	579.78	4994.51	581.05	5011.6
GR	579.68	4999.98	579.68	4999.99	579.98	5004.5	581.04	5005.49	582.08	5023.19
GR	581.58	5005.	581.59	5006.1	501.59	5006.11	501.59	5011.59	581.98	5045.
GR	582.03	5017.09	582.03	5017.1	582.03	5017.7	582.03	5017.71	581.98	5437.
GR	581.98	5023.2	581.54	5028.69	581.54	5028.7	581.58	5029.71	582.39	0.
GR	584.3	5081.	584.48	5084.49	584.48	5084.5	588.12	5344.	591.67	0.
GR	593.12	5475.	597.81	5567.	598.12	5573.	603.12	5976.	0.	0.

MC	7.	1.	4910.	0.3	0.5	0.11	4994.5	0.065	5028.7	0.1
NH	5045.	0.21	5081.	1.	5976.	0.	0.	0.	0.	0.
NH	16794.	44.	4994.5	5028.7	300.	300.	300.	872.	1715.	0.
QT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
X3	10.	4408.	4556.	4556.	4556.	4556.	4556.	4556.	4556.	4556.
GR	604.65	4408.	599.65	4556.	598.59	4555.	534.65	4671.	569.65	4806.
GR	587.12	4910.	586.21	4944.49	586.21	4944.5	585.42	4955.	582.81	4989.5
GR	581.52	4994.48	581.52	4994.49	581.51	4994.5	581.51	4994.51	581.71	4999.5
GR	581.41	4999.98	581.41	4999.99	581.71	5004.5	582.77	5005.49	582.79	5005.5
GR	583.31	5006.	583.32	5006.1	583.32	5006.11	583.81	5011.59	583.81	5011.6
GR	583.76	5017.03	583.76	5017.1	583.76	5017.7	583.76	5017.71	583.71	5023.19
GR	583.71	5023.2	583.37	5028.69	583.37	5028.7	583.31	5029.71	584.12	5045.
GR	585.03	5081.	586.21	5084.49	586.21	5084.5	589.85	5344.	593.4	5437.

GR	594.85	5475.	599.54	5567.	599.85	5573.	604.85	5975.	0.	581.51
SC	3.020	0.40	3.00	0.00	9.0	11.0	44.0	8.1	581.61	581.51
SB	1.25	2.14	2.60	0.00	34.20	1.20	297.00	0.04	581.61	581.51
NH	7.	1.	4910.	0.2	4955.	0.11	4994.5	0.065	5028.7	0.1
NH	5045.	0.21	5081.	1.	5976.	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

PIONEER MILL ROAD (SR 1134)

X1	16839.	44.	4994.5	5028.7	45.	45.	45.	0.00	0.00	0.00
X2	0.00	0.00	2.00	590.51	591.97	0.00	0.00	0.00	591.97	592.81
X3	10.	-44.	605.12	605.1	4556.	600.12	600.1	4585.	598.86	598.84
BT	4671.	4671.	595.12	595.1	4805.	591.97	590.1	4910.	598.86	587.37
BT	4944.49	4944.49	593.21	586.46	4944.5	593.21	586.46	4955.	593.18	585.67
BT	4989.5	4989.5	593.1	583.06	4994.48	593.09	581.77	4994.49	593.09	581.77
BT	4994.5	4994.5	593.09	581.61	4994.51	593.09	581.53	4999.	593.08	589.
BT	4999.98	4999.98	593.08	590.61	4999.99	593.08	590.61	5004.5	593.07	590.61
BT	5005.49	5005.49	593.06	590.61	5005.5	593.06	581.61	5006.	593.06	583.56
BT	5006.1	5006.1	593.05	591.61	5006.11	593.06	590.61	5011.59	593.05	590.61
BT	5011.6	5011.6	593.05	590.61	5017.09	593.04	590.61	5023.19	593.04	581.61
BT	5017.7	5017.7	593.04	591.61	5017.71	593.04	590.61	5028.7	593.01	581.61
BT	5023.2	5023.2	593.02	590.61	5028.69	593.01	590.61	5081.	592.82	586.28
BT	5029.71	5029.71	593.01	583.56	5045.	592.95	584.37	5344.	594.42	590.1
BT	5084.49	5084.49	592.81	586.46	5084.5	592.81	586.46	5567.	600.	599.79
BT	5437.	5437.	595.	593.65	5475.	596.46	595.1	0.	0.	0.
BT	5573.	5573.	600.12	600.1	5976.	605.12	605.1	4671.	590.1	4806.
GR	4408.	4408.	592.1	4556.	598.84	4585.	595.1	4955.	583.06	4989.5
GR	587.37	4910.	596.46	4944.49	586.46	4944.5	585.67	4994.51	581.61	4999.
GR	581.77	4954.48	581.77	4994.49	581.61	4994.5	581.61	5005.49	581.61	5005.5
GR	581.61	4999.98	581.61	4999.99	581.61	5004.5	581.61	5011.59	581.61	5011.6
GR	583.56	5006.	581.61	5006.1	581.61	5006.11	581.61	5017.71	581.61	5023.19
GR	581.61	5017.09	581.61	5017.1	581.61	5017.7	581.61	5029.71	584.37	5045.
GR	581.61	5023.2	581.61	5028.69	581.61	5028.7	583.56	5344.	593.65	5437.
GR	586.28	5081.	586.46	5084.49	596.46	5084.5	590.1	5976.	0.	0.
GR	595.1	5475.	599.79	5567.	600.1	5573.	605.1	0.	5011.6	0.1

NH	7.	1.	4910.	0.2	4955.	0.11	4989.5	0.065	5011.6	0.1
NH	5045.	0.21	5081.	1.	5976.	0.	0.	0.	0.	0.
X1	16915.	44.	4989.5	5011.6	76.	76.	76.	0.	0.	0.
GR	605.2	4408.	600.2	4556.	598.94	4585.	535.2	4671.	590.2	4806.
GR	587.47	4910.	586.56	4944.49	586.56	4944.5	585.77	4955.	583.16	4989.5
GR	581.87	4994.48	581.87	4994.49	581.86	4994.5	581.86	4994.51	582.06	4999.
GR	581.76	4999.98	581.76	4999.99	581.66	5004.5	583.12	5005.49	583.13	5005.5
GR	583.66	5005.	583.67	5006.1	583.67	5006.11	584.16	5011.59	584.16	5011.6
GR	584.11	5017.03	584.11	5017.1	584.11	5017.7	584.11	5017.71	584.06	5023.19
GR	584.06	5023.2	583.72	5028.69	583.72	5028.7	583.66	5029.71	584.47	5045.
GR	586.38	5081.	586.56	5084.49	566.56	5084.5	590.2	5344.	593.75	5437.
GR	595.2	5475.	599.89	5567.	600.2	5573.	605.2	5976.	0.	0.

HC	7.	1.	4897.	0.1	0.3	0.11	4990.5	0.065	5011.	0.12
NH	5056.	0.21	5098.	1.	5683.	0.	0.	0.	0.	0.
Cross Section A										
Cross Section R (HSMH Draft)										
X1	17800.	22.	4990.5	5011.	885.	885.	885.	4639.	0.	4711.
GR	610.	4478.	605.	4543.	600.	595.	595.	4990.5	590.	4995.1
GP	587.29	4897.	586.7	4938.	586.08	586.11	586.11	5011.	583.88	5026.
GR	582.41	4999.99	582.41	5000.	583.92	5007.	586.09	5196.	600.	5364.
GR	587.12	5056.	588.45	5098.	590.	595.	595.	0.	0.	0.
GR	605.	5580.	610.	5683.	0.	0.	0.	0.	0.	0.
NH	7.	1.	4913.	0.22	4951.	0.12	4990.5	0.065	5011.	0.13
NH	5059.	0.21	5101.	1.	5581.	0.	0.	0.	0.	0.
Cross Section A-1										
Cross Section S (HSMH Draft)										
X1	18686.	20.	4990.5	5011.	886.	886.	886.	4908.	0.	4913.
GR	610.	4530.	605.	4774.	600.	595.	595.	4995.5	584.2	4999.99
GR	590.	4942.	539.61	4951.	587.9	4990.5	585.67	5059.	588.78	5191.
GR	584.2	5000.	585.71	5007.	587.88	5011.	588.36	5496.	610.	5581.
GR	590.	5224.	595.	5324.	600.	605.	605.	0.	0.	0.
NH	7.	1.	4907.	0.23	4949.	0.13	4987.	0.065	5008.	0.13
NH	5037.	0.23	5078.	1.	5749.	0.	0.	0.	0.	0.
Cross Section B										
Cross Section T (HSMH Draft)										
X1	19511.	29.	4987.	5008.	825.	825.	825.	4721.	0.	4766.
GR	625.	4573.	620.	4631.	615.	610.	610.	4949.	605.	4976.
GR	600.	4807.	595.	4838.	592.5	4907.	590.98	4993.	590.	4994.
GR	589.63	4977.	590.08	4987.	588.58	4990.	587.23	5008.	586.88	5018.
GR	585.86	4999.99	585.86	5030.	586.87	5006.	589.97	5135.	600.	5226.
GR	590.	5025.	590.55	5037.	592.41	5078.	595.	5749.	0.	0.
GR	605.	5411.	610.	5526.	615.	5622.	620.	0.	0.	0.
NH	7.	1.	4891.	0.28	4937.	0.15	4987.	0.065	5008.	0.15
NH	5048.	0.28	5101.	1.	5633.	0.	0.	0.	0.	0.
Cross Section 8-1										
Cross Section U (HSMH Draft)										
X1	20671.	25.	4987.	5008.	1160.	1160.	1160.	4477.	0.	4563.
GR	625.	4253.	620.	4302.	615.	610.	610.	4937.	605.	4987.
GR	600.	4681.	595.	4771.	594.58	4891.	594.42	4999.99	594.25	5000.
GR	592.75	4980.	591.4	4993.	591.05	4994.	590.03	5191.	590.03	5244.
GR	591.04	5006.	594.14	5008.	594.29	5048.	594.48	5541.	595.	5633.
GR	600.	5331.	605.	5412.	610.	5468.	615.	0.	620.	5633.

PH	7.	1.	4886.	0.23	4940.	0.13	4995.5	0.065	5099.5	0.13
NH	5052.	0.23	5091.	1.	5597.	0.	0.	0.	0.	0.

Cross Section C
Cross Section V (HSMH Draft)

X1	21851.	26.	4995.5	5009.5	1180.	1180.	1180.	4654.	605.	4730.
GR	625.	4376.	620.	4473.	4596.	610.	598.24	4985.5	598.91	4995.5
GR	600.	4793.	599.13	4989.	4940.	598.66	594.95	5004.	594.91	5005.5
GR	595.91	4996.	594.27	4999.99	5000.	598.97	5019.5	5052.	599.23	5091.
GR	595.87	5006.5	598.81	5009.5	5019.5	598.97	615.	5341.	620.	5512.
GR	600.	5207.	605.	5245.	5287.	610.	0.	0.	0.	0.
GR	625.	5597.	0.	0.	0.	0.	0.	0.	0.	0.
NH	7.	1.	4902.	0.22	4953.	0.13	4995.5	0.065	5009.5	0.13
NH	5052.	0.22	5093.	1.	5391.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4870.00	5110.00	0.00	0.00

Cross Section C-1
Cross Section W (HSMH Draft)

X1	22813.	24.	4995.5	5009.5	962.	962.	962.	4652.	605.	4719.
GR	625.	4384.	620.	4461.	4543.	610.	600.41	4995.5	597.41	4996.
GR	600.	4841.	600.16	4802.	4953.	600.3	596.45	5005.5	597.37	5006.5
GR	595.77	4999.99	595.77	5000.	5004.	596.41	600.	5176.	605.	5244.
GR	600.31	5009.5	600.23	5052.	5093.	600.	625.	5391.	0.	0.
GR	610.	5280.	615.	5323.	5361.	620.	0.	0.	0.	0.
NH	6.	0.19	4956.	0.12	4989.98	0.065	5007.5	0.12	5041.	0.2
NH	5071.	1.	5625.	0.	0.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	7.11	4850.00	5110.00	0.00	0.00	0.00
X1	23206.	53.	4990.	5007.5	393.	393.	393.	4475.	619.53	4482.
GR	624.53	4296.	624.53	4386.	4399.	619.95	604.53	4658.	601.52	4764.
GR	614.53	4549.	612.68	4572.	4611.	604.53	599.02	4956.	598.88	4989.97
GR	599.53	4834.	599.14	4927.	4940.	598.87	4990.01	4991.	598.31	4991.
GR	598.88	4989.98	598.88	4989.99	4990.	596.88	4995.5	4997.	596.38	4997.
GR	598.31	4991.01	598.26	4991.1	4993.	596.88	5003.	5006.7	596.88	5006.7
GR	596.58	4999.99	596.58	5000.	5003.	596.48	5005.	5008.98	598.18	5008.99
GR	598.28	5007.5	598.19	5008.91	5008.97	598.18	5009.02	5031.	599.53	5031.
GR	598.18	5009.	598.18	5009.01	5011.	598.18	5019.1	5197.	604.53	5223.
GR	599.79	5041.	600.42	5065.	5071.	603.85	616.2	5437.	619.53	5513.
GR	609.53	5320.99	609.53	5321.	5399.	614.53	616.2	0.	0.	0.
GR	620.61	5531.	624.53	5596.	5625.	624.53	0.	0.	0.	0.
NC	6.	0.3	4956.	0.12	4989.98	0.065	5007.5	0.12	5041.	0.2
NH	5071.	1.	5625.	0.	0.	0.	0.	0.	0.	0.
GT	8.	1080.	1927.	2273.	2273.	372.	749.	1548.	0.00	0.00
ET	9.00	0.00	9.00	0.00	7.11	4650.00	5110.00	0.00	0.00	0.00

X1	23506.	53.	4990.	5007.5	300.	300.	300.	603.45	0.	604.35	4482.
X3	10.							4475.	620.	4475.	4764.
GR	625.	4298.	625.	4388.	625.	4399.	620.42	4658.	601.99	4989.97	4991.
GR	615.	4549.	610.	4572.	610.	4611.	605.	4956.	599.35	4997.	5006.7
GR	600.	4834.	599.61	4927.	599.56	4940.	599.49	4990.01	598.78	5008.99	5031.
GR	599.35	4989.96	599.35	4989.99	599.35	4990.	599.34	4995.5	597.35	5008.98	5223.
GR	598.78	4991.01	598.73	4991.1	597.65	4993.	597.35	5005.	505.	5513.	0.
GR	597.05	4999.99	597.05	5000.	597.35	5003.	596.95	5008.98	598.65	607.	
GR	598.75	5007.5	598.66	5008.91	598.65	5008.97	598.65	5009.1	607.	5031.	
GR	598.65	5009.	598.65	5009.01	598.65	5009.02	604.32	5197.	505.	5223.	
GR	600.26	5041.	600.89	5065.	601.04	5071.	616.67	5437.	620.	5513.	
GR	610.	5320.99	610.	5321.	615.	5399.	0.	0.	0.	0.	
GR	621.08	5531.	625.	5596.	625.	5825.	0.	0.	0.	0.	
NH	6.	0.19	4956.	0.12	4989.98	0.035	5009.1	0.12	5041.	0.2	
NH	5071.	1.	5825.	0.	0.	0.	0.	0.	0.	0.	
ET	0.00	0.00	0.00	0.00	0.00	7.11	4850.00	5110.00	0.00	0.00	
X1	23507.	53.	4991.	5009.1	1.	1.	1.	603.45	0.	604.35	
X3	10.							4399.	625.	625.02	
BT	-53.	4298.	625.02	625.02	4388.	675.02	625.	4549.	615.02	625.	
BT		4475.	620.44	620.42	4482.	620.02	620.	4658.	607.76	605.	
BT		4572.	613.17	613.15	4611.	610.02	610.	4927.	604.68	599.61	
BT		4764.	605.	601.99	4834.	604.86	600.	4989.97	603.45	599.35	
BT		4940.	604.65	599.56	4956.	604.27	599.49	4990.	606.05	601.8	
BT		4989.98	603.45	599.35	4989.99	606.05	599.35	4991.01	606.31	602.01	
BT		4990.01	606.05	599.34	4991.	606.1	598.78	4995.5	602.22	602.22	
BT		4991.1	605.1	601.8	4993.	606.19	601.89	5006.7	606.84	602.54	
BT		4997.	606.38	602.08	4999.99	606.52	602.22	5008.97	606.95	599.98	
BT		5003.	606.67	602.37	5005.	606.76	602.46	5009.	604.75	600.89	
BT		5007.5	606.28	602.58	5008.91	606.95	602.65	5009.1	606.05	605.	
BT		5008.98	606.55	602.65	5008.99	606.95	601.32	5223.	615.02	621.08	
BT		5009.01	604.35	598.65	5009.02	604.35	598.65	0.	0.	0.	
BT		5031.	604.51	600.	5041.	604.58	600.26	4475.	620.	4482.	
BT		5071.99	604.76	601.04	5197.	605.	604.32	4658.	599.35	4989.97	
BT		5320.99	610.02	610.	5321.	610.02	610.	4956.01	596.85	4997.	
BT		5437.	616.69	616.67	5513.	620.02	620.	4995.5	597.35	5006.7	
BT		5596.	625.02	625.	5625.	625.02	625.	5005.	598.65	5008.99	
GR	625.	4298.	625.	4388.	625.	4399.	620.42	5008.98	600.89	5031.	
GR	615.	4549.	613.15	4572.	610.	4611.	605.	5009.1	605.	5223.	
GR	600.	4634.	599.61	4927.	599.56	4940.	599.49	621.08	620.	4482.	
GR	599.35	4989.98	599.35	4989.99	599.35	4990.	599.34	4475.	601.99	4764.	
GR	601.8	4991.01	598.73	4991.1	597.65	4993.	597.35	4658.	599.35	4989.97	
GR	597.05	4999.99	597.05	5000.	597.35	5003.	596.95	4956.	596.85	4997.	
GR	598.75	5007.5	598.66	5008.91	602.08	5008.97	602.65	4990.01	597.35	5006.7	
GR	598.65	5009.	598.65	5009.01	598.65	5009.02	598.66	5008.98	598.65	5008.99	
GR	600.26	5041.	600.89	5065.	601.04	5071.	604.32	5009.1	600.	5031.	
GR	610.	5320.99	610.	5321.	615.	5399.	616.67	5197.	605.	5223.	
GR	621.08	5531.	625.	5596.	625.	5825.	0.	5437.	620.	5513.	
GR							0.	0.	0.	0.	

NH 6. 0.19 4956. 0.12 4989.98 0.035 5009.1 0.12 5041. 0.2
 NH 5071. 1. 5625. 0. 0. 0. 0. 0. 0. 0.
 ET 0.00 3.00 0.00 0.00 7.11 4850.00 5110.00 0.00 0.00

MORRISON ROAD (SR 1135)

X1	23527.	53.	4391.	5009.1	20.	20.	603.45	0.	5041.	0.2
X3	10.									
BT	-53.	4228.	625.02	625.	4388.	625.02	4399.	604.35	625.02	625.
BT		4475.	620.44	620.42	4482.	620.02	4549.	615.02	615.02	615.
BT		4572.	613.17	613.15	4611.	610.02	4658.	607.76	605.	605.
BT		4764.	605.	601.99	4834.	604.86	4927.	604.68	599.61	599.61
BT		4940.	604.65	599.56	4956.	604.27	4989.97	603.45	599.35	599.35
BT		4989.98	603.45	599.35	4989.99	606.05	4990.	606.05	599.35	599.35
BT		4990.01	606.05	599.34	4991.	606.1	4991.01	606.1	601.8	601.8
BT		4991.1	606.1	601.8	4993.	606.19	4995.5	606.31	602.01	602.01
BT		4997.	606.38	602.08	4999.99	606.52	5000.	606.52	602.22	602.22
BT		5003.	606.67	602.37	5005.	606.76	5006.7	606.64	602.54	602.54
BT		5007.5	606.88	602.58	5008.91	606.95	5008.97	606.95	602.65	602.65
BT		5008.98	606.95	602.65	5008.99	606.95	5009.	606.95	599.98	599.98
BT		5009.01	604.35	598.65	5009.02	604.35	5009.1	604.35	598.65	598.65
BT		5031.	604.51	600.	5041.	604.58	600.26	604.75	600.89	600.89
BT		5071.	604.76	601.04	5197.	604.32	5223.	606.05	605.	605.
BT		5320.99	610.02	610.	5321.	610.02	5399.	615.02	615.	615.
BT		5437.	616.69	616.67	5513.	620.02	5531.	621.1	621.08	621.08
BT		5595.	625.02	625.	5625.	625.02	0.	0.	0.	0.
GR	625.	4298.	625.	4388.	625.	4399.	4475.	620.	4482.	4482.
GR	615.	4549.	613.15	4572.	610.	4611.	4658.	601.99	4764.	4764.
GR	600.	4834.	599.61	4927.	599.56	4940.	4956.	599.35	4989.97	4989.97
GR	599.35	4899.98	599.35	4989.99	599.35	4990.	4990.01	598.78	4991.	4991.
GR	601.8	4991.01	598.73	4991.1	597.65	4993.	4995.5	596.85	4997.	4997.
GR	597.05	4999.99	597.05	5000.	597.35	5003.	5005.	597.35	5006.7	5006.7
GR	598.75	5007.5	598.66	5008.91	602.08	5008.97	5008.98	598.65	5008.99	5008.99
GR	598.65	5009.	598.65	5009.01	598.65	5009.02	5009.1	600.	5031.	5031.
GR	600.26	5041.	600.89	5065.	601.04	5071.	5197.	605.	5223.	5223.
GR	610.	5320.99	610.	5321.	615.	5399.	5437.	620.	5513.	5513.
GR	621.08	5531.	625.	5596.	625.	5625.	0.	0.	0.	0.

NH	6.	0.19	4955.	0.12	4989.98	0.065	5007.5	0.12	5041.	0.2
NH	5071.	1.	5625.	0.	0.	0.	0.	0.	0.	0.
ET	0.00	3.00	0.00	0.00	7.11	4850.00	5110.00	0.00	0.00	0.00
X1	23528.	53.	4990.	5007.5	1.	1.	603.45	0.	5041.	0.2
X3	10.									
GR	625.	4298.	625.	4388.	625.	4399.	4475.	620.	4482.	4482.
GR	615.	4549.	613.15	4572.	610.	4611.	4658.	601.93	4764.	4764.
GR	600.	4834.	599.61	4927.	599.56	4940.	4956.	599.35	4989.97	4989.97
GR	599.35	4899.98	599.35	4989.99	599.35	4990.	4990.01	598.78	4991.	4991.
GR	598.78	4991.01	598.73	4991.1	597.65	4993.	4995.5	596.85	4997.	4997.
GR	597.05	4999.99	597.05	5000.	597.35	5003.	5005.	597.35	5006.7	5006.7
GR	598.75	5007.5	598.66	5008.91	602.08	5008.97	5008.98	598.65	5008.99	5008.99
GR	598.65	5009.	598.65	5009.01	598.65	5009.02	5009.1	600.	5031.	5031.
GR	600.26	5041.	600.89	5065.	601.04	5071.	5197.	605.	5223.	5223.
GR	610.	5320.99	610.	5321.	615.	5399.	5437.	620.	5513.	5513.
GR	621.08	5531.	625.	5596.	625.	5625.	0.	0.	0.	0.

GR	621.08	5531.	625.	5596.	5625.	0.	5007.5	0.	0.	0.
NH	6.	0.19	4956.	0.12	0.065	4989.98	5007.5	0.12	5041.	0.2
NH	5071.	1.	5625.	0.	0.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	7.11	0.00	4850.00	5110.00	0.00	0.00
X1	23603.	53.	4990.	5007.5	75.	75.	0.	0.	0.	0.
GR	625.16	4298.	625.16	4388.	4399.	625.16	620.58	4475.	620.16	4482.
GR	615.16	4549.	513.31	4572.	4611.	610.16	605.16	4658.	602.15	4764.
GR	600.16	4834.	599.77	4927.	4940.	599.72	599.65	4956.	599.51	4989.97
GR	598.51	4988.98	599.51	4989.99	4990.	599.51	599.5	4990.01	599.94	4991.
GR	598.94	4991.01	598.89	4991.1	4993.	597.81	597.51	4995.5	597.01	4997.
GR	597.21	4999.99	597.21	5000.	5003.	597.11	597.11	5005.	597.51	5006.7
GR	598.91	5007.5	598.82	5008.91	5006.97	598.81	598.81	5008.98	598.81	5008.99
GR	598.81	5009.	598.81	5009.01	5009.02	598.81	598.82	5009.1	600.16	5031.
GR	600.42	5041.	601.05	5065.	5071.	601.2	604.48	5197.	605.16	5223.
GR	610.16	5320.99	610.16	5321.	5399.	615.16	616.83	5437.	620.16	5513.
GR	621.24	5531.	625.16	5596.	5625.	625.16	0.	0.	0.	0.

NC	7.	1.3	4868.	0.1	0.143	0.3	4988.	0.065	5007.	0.143
NH	5074.	0.234	5120.	0.234	0.	4924.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	10.41	0.00	0.00	0.00	0.00	0.00

Cross Section C-2

Cross Section X (HSMH Draft)

X1	24029.	25.	4988.	5007.	486.	486.	485.	4475.	0.	4519.
GR	635.	4315.	630.	4379.	4427.	625.	620.	4924.	615.	4988.
GR	610.	4574.	605.	4631.	4868.	603.91	603.65	5000.	598.97	5002.
GR	599.59	4991.	598.95	4994.5	4999.99	598.	598.	5249.	610.	5314.
GR	603.52	5007.	603.93	5074.	5120.	604.21	605.	5711.	635.	5825.
GR	615.	5400.	620.	5529.	5637.	625.	630.	0.	5007.	0.143
NH	7.	1.3	4868.	0.234	0.143	4924.	4988.	0.065	0.	0.
NH	5074.	0.234	5120.	1.3	0.	5505.	0.	0.	0.	0.

Cross Section D

Cross Section Y (HSMH Draft)

X1	24768.	23.	4988.	5007.	679.	679.	679.	4615.	0.	4708.
GR	625.	4356.	620.	4472.	4550.	615.	610.	4988.	605.	4991.
GR	604.67	4868.	604.56	4824.	4978.	604.45	604.75	5002.	604.91	5307.
GR	600.34	4994.5	599.39	4999.99	5000.	599.39	600.36	5290.	610.	5350.
GR	604.08	5017.	604.27	5074.	5120.	604.43	605.	0.	0.	0.
GR	615.	5401.	620.	5445.	5505.	625.	0.	0.	0.	0.
NH	7.	1.3	4868.	0.26	0.143	4938.	4988.	0.065	5007.	0.143
NH	5065.	0.26	5111.	1.3	0.	5715.	0.	0.	0.	0.

Cross Section D-1
Cross Section Z (HSMW Draft)

X1	25862.	22.	4988.	5007.	1094.	1094.	1094.	4743.	0.	4777.
GR	635.	4531.	630.	4637.	4886.	625.	4886.	4988.	615.	4991.
GR	610.	4847.	609.23	4833.	4938.	608.06	4938.	5002.	603.22	5007.
GR	602.58	4994.5	601.63	4999.99	5000.	602.5	5000.	5543.	607.15	5591.
GR	607.5	5065.	607.78	5111.	5481.	610.	5481.	0.	620.	0.
GR	625.	5655.	630.	5715.	0.	0.	0.	0.065	5012.5	0.156
NH	7.	1.3	4883.	0.247	4943.	4943.	0.143	0.	0.	0.
NH	5059.	0.26	5099.	1.3	5485.	5485.	0.	0.	0.	0.

Cross Section E
Cross Section AA (HSMW Draft)

X1	26998.	25.	4989.5	5012.5	1136.	1136.	1136.	4637.	0.	4684.
GR	635.	4399.	630.	4544.	4602.	620.	4602.	4985.	615.	4989.5
GR	611.42	4383.	610.34	4843.	4979.5	610.	4979.5	5004.	609.52	5008.
GR	604.39	4997.5	603.96	4999.99	5000.	604.22	5000.	5017.5	604.03	5022.5
GR	604.4	5010.	608.77	5012.5	5014.	610.08	5014.	5252.	609.22	5485.
GR	615.	5059.	620.	5096.	5099.	620.1	5099.	0.	630.	0.
NH	7.	1.3	4895.	0.247	4941.	4941.	0.143	0.065	5016.	0.182
NH	5065.	0.286	5107.	1.3	5466.	0.	0.	0.	0.	0.
QT	8.	620.	1140.	1400.	1400.	286.	1400.	547.	1088.	0.

Cross Section F
Cross Section AB (HSMW Draft)

X1	28753.	23.	4990.	5016.	1755.	1755.	1755.	4718.	0.	4895.
GR	640.	4491.	635.	4598.	4631.	630.	4631.	4985.	620.34	4990.
GR	620.	4908.	617.86	4941.	4984.99	615.	4984.99	5009.	615.	5016.
GR	610.47	4995.5	608.95	4999.99	5000.	608.95	5000.	5107.	615.	5369.
GR	615.	5020.	614.63	5021.	5065.	615.31	5065.	0.	620.	0.
GR	625.	5403.	635.	5446.	5466.	640.	5466.	0.	0.	0.
NH	7.	1.3	4895.	0.247	4941.	4941.	0.143	0.065	5016.	0.182
NH	5065.	0.286	5107.	1.3	5441.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	7.11	4960.00	7.11	5230.00	0.00	0.00

Cross Section F-1
Cross Section AC (HSMW Draft)

X1	29390.	10.	4990.	5016.	637.	637.	637.	4832.	0.	4895.
GR	635.	4542.	630.	4604.	4731.	625.	4731.	4999.99	619.02	5000.
GR	618.3	4941.	617.54	4990.	4995.5	611.49	4995.5	5107.	611.49	5260.
GR	613.02	5009.	617.54	5016.	5065.	618.03	5065.	0.	620.	0.
GR	625.	5381.	630.	5414.	5441.	635.	5441.	0.	0.	0.

RR	7.	1.3	4928.	0.273	4955.	0.156	4994.	0.065	5016.	0.156
NH	5056.	0.273	5091.	1.3	5475.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4943.00	5271.00	0.00	0.00

Cross Section G

Cross Section AD (HSMW Draft)

XI	30246.	23.	4994.	5016.	856.	856.	856.	0.	0.	0.
GR	640.	4848.	635.	4889.	530.	4911.	526.46	4928.	625.	4935.
GR	622.9	4955.	619.86	4994.	620.	4986.	620.1	4994.	615.4	4997.
GR	614.9	4999.99	614.9	5000.	615.4	5003.	615.92	5007.	616.4	5012.
GR	620.27	5016.	620.06	5026.	520.56	5056.	621.14	5091.	625.	5324.
GR	630.	5417.	635.	5456.	640.	5475.	0.	0.	0.	0.

NH	6.	1.3	4884.	0.273	4926.	0.156	4994.	0.065	5016.	0.156
NH	5054.	1.3	5313.	0.	0.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4895.00	5073.00	0.00	0.00

Cross Section G-1

Cross Section AE (HSMW Draft)

XI	31237.	18.	4994.	5016.	991.	991.	991.	0.	0.	0.
GR	645.	4509.	640.	4640.	635.	4732.	630.94	4884.	629.82	4925.
GR	628.	4994.	623.3	4997.	622.8	4999.95	622.8	5000.	623.3	5003.
GR	623.82	5007.	624.3	5012.	628.17	5016.	629.8	5054.	635.	5175.
GR	540.	5238.	645.	5279.	650.	5313.	0.	0.	0.	0.

140C191

15:05:45

PAGE 18

T1 Hayes, Seay, Mattern & Mattern Cabarrus County, NC FIS
T2 Proj. No. 5M-90-C-3101 Eng: LJM/EKL ET:TFH Comm. No. 2373
T3 Caldwell Creek (CAC.IN) Date: 10/14/91 50-Year Event

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	3.0			0.0035					540.0	
J2	PROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.		-1.0							

T1 Hayes, Seay, Mattern & Mattern Cabarrus County, NC FIS
T2 Proj. No. EMW-99-C-3101 Eng:LJM/EKL ET:TFH Comm. No. 2373
T3 Caldwell Creek (CAC.IN) Date: 10/14/91 100-Year Event

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	4.0			0.0035					540.0	
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.		-1.0							

T1 Hays, Seay, Mattern & Mattern Cabarrus County, NC FIS
T2 Proj. No. EMW-90-C-3101 Eng:LJM/EKL ET:TFH Comm. No. 2373
T3 Caldwell Creek (CAC.IN) Date: 10/14/91 500-Year Event

J1	ICHECK	INQ	NINW	IDIR	STRT	METRIC	HVINS	0	WSEL	FQ
	5.0			0.0035					540.0	
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.		-1.0							

THIS RUN EXECUTED 14OCT91 15:07:30

 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

Caldwell Creek (CAC.IN)

SUMMARY PRINTOUT TABLE 101

SECNO	EGOC	ELLC	EGIC	ELTRD	QCULV	QWEIR	CLASS	H4	DEPTH	CWSEL	VCH	EG
* 16839.000	589.55	590.51	587.17	591.97	1225.00	.00	7.00	.02	7.60	589.21	4.73	589.55
16839.000	591.69	590.51	589.75	591.97	2133.00	.00	7.00	.13	9.39	591.00	6.65	591.69
* 16839.000	592.98	590.51	590.75	591.97	2410.25	97.25	17.00	1.36	11.07	592.68	3.97	592.83
16839.000	596.55	590.51	594.88	591.97	2152.95	1544.16	17.00	1.14	12.35	593.96	3.78	594.06

Caldwell Creek (CAC.IN)

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIX	Q	CWSEL	CRIMS	EG	10*KS	VCH	AREA	.DIK
87.000	.00	.00	.00	525.84	2138.00	537.93	.00	538.29	34.59	5.20	818.41	353.54
87.000	.00	.00	.00	525.84	3340.00	539.37	.00	539.76	34.71	5.84	1442.11	566.91
87.000	.00	.00	.00	525.84	3913.00	539.89	.00	540.30	35.39	6.12	1721.05	657.80
87.000	.00	.00	.00	525.84	5652.00	541.33	.00	541.75	35.04	6.68	2558.54	954.83
1030.000	943.00	.00	.00	530.75	2138.00	540.55	.00	540.72	19.72	4.08	1248.16	481.47
1030.000	943.00	.00	.00	530.75	3340.00	542.05	.00	542.27	20.77	4.74	1788.68	732.86
1030.000	943.00	.00	.00	530.75	3913.00	542.63	.00	542.87	21.47	5.03	2008.06	844.54
1030.000	943.00	.00	.00	530.75	5652.00	544.14	.00	544.44	23.52	5.82	2595.03	1165.44
* 1902.000	872.00	.00	.00	536.32	2138.00	543.35	.00	543.95	82.18	6.89	583.39	235.85
* 1902.000	872.00	.00	.00	536.32	3340.00	544.82	.00	545.47	72.54	7.57	937.23	392.15
* 1902.000	872.00	.00	.00	536.32	3913.00	545.43	.00	546.09	69.36	7.83	1104.59	469.84
* 1902.000	872.00	.00	.00	536.32	5652.00	547.02	.00	547.74	63.63	8.51	1566.07	708.53
2580.500	578.50	.00	.00	540.66	2138.00	548.65	.00	549.16	71.72	5.91	475.76	252.45
2580.500	578.50	.00	.00	540.66	3340.00	549.90	.00	550.38	78.08	6.95	737.34	377.98
2580.500	578.50	.00	.00	540.66	3913.00	550.38	.00	551.14	79.13	7.39	855.93	439.88
2580.500	578.50	.00	.00	540.66	5652.00	551.59	.00	552.63	79.92	8.42	1231.44	632.22
2880.500	300.00	.00	.00	542.57	2138.00	550.86	.00	552.30	114.06	9.66	221.36	200.19
2880.500	300.00	.00	.00	542.57	3340.00	552.19	.00	553.22	86.20	9.42	829.76	359.54
2880.500	300.00	.00	.00	542.57	3913.00	552.72	.00	553.84	89.33	9.93	970.33	414.00
2880.500	300.00	.00	.00	542.57	5652.00	554.11	.00	555.43	95.55	11.36	1399.55	578.21
* 2900.500	20.00	553.24	551.61	542.58	2138.00	552.28	.00	553.43	106.09	8.59	18.77	205.64
* 2900.500	20.00	553.24	551.61	542.58	3340.00	555.40	.00	555.64	25.75	5.22	181.28	658.22
* 2900.500	20.00	553.24	551.61	542.58	3913.00	555.84	.00	556.11	29.45	5.73	203.69	721.10
* 2900.500	20.00	553.24	551.61	542.58	5652.00	556.79	.00	557.21	42.24	7.23	2445.99	869.67
* 2976.500	76.00	.00	.00	542.80	2138.00	553.80	.00	553.94	11.66	3.21	1219.61	626.22
* 2976.500	76.00	.00	.00	542.80	3340.00	555.60	.00	555.78	12.38	3.81	1871.04	949.34
* 2976.500	76.00	.00	.00	542.80	3913.00	556.06	.00	556.28	14.08	4.20	2059.51	1042.94
* 2976.500	76.00	.00	.00	542.80	5652.00	557.10	.00	557.44	19.79	5.32	2503.80	1270.55
3676.000	699.50	.00	.00	544.77	2138.00	554.74	.00	554.95	17.74	4.25	973.42	507.68
3676.000	699.50	.00	.00	544.77	3340.00	556.59	.00	556.85	18.13	4.90	1466.07	784.51
3676.000	699.50	.00	.00	544.77	3913.00	557.16	.00	557.46	19.60	5.28	1655.89	883.76
3676.000	699.50	.00	.00	544.77	5652.00	558.58	.00	558.98	24.08	6.35	2091.80	1151.88
4435.000	759.00	.00	.00	546.92	2138.00	555.13	.00	556.33	18.58	4.22	1211.76	496.04
4435.000	759.00	.00	.00	546.92	3340.00	557.93	.00	558.12	15.32	4.39	2198.02	853.27
4435.000	759.00	.00	.00	546.92	3913.00	558.58	.00	558.76	14.98	4.53	2589.79	1010.88
4435.000	759.00	.00	.00	546.92	5652.00	560.22	.00	560.41	14.71	4.95	3674.79	1473.52

SECMO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.OIK
* 5415.000	980.00	.00	.00	549.70	2138.00	558.35	.00	558.61	29.35	4.21	631.09	394.61
* 5415.000	983.00	.00	.00	549.70	3340.00	559.90	.00	560.28	32.13	5.10	915.30	589.22
* 5415.000	980.00	.00	.00	549.70	3913.00	560.51	.00	560.93	33.08	5.44	1044.64	680.32
* 5415.000	980.00	.00	.00	549.70	5652.00	562.11	.00	562.64	35.17	6.29	1431.63	952.99
6059.000	644.00	.00	.00	551.62	2138.00	559.96	.00	560.12	19.05	3.41	879.44	489.86
6059.000	644.00	.00	.00	551.62	3340.00	561.65	.00	561.86	19.11	4.00	1262.97	764.12
6059.000	644.00	.00	.00	551.62	3913.00	562.32	.00	562.55	19.40	4.25	1425.87	888.36
6059.000	644.00	.00	.00	551.62	5652.00	564.05	.00	564.36	20.45	4.92	1876.43	1249.86
6957.000	898.00	.00	.00	554.37	2138.00	561.86	.00	562.04	23.88	3.34	675.90	437.54
6957.000	898.00	.00	.00	554.37	3340.00	563.51	.00	563.74	22.89	3.92	973.65	698.06
6957.000	898.00	.00	.00	554.37	3913.00	564.18	.00	564.44	22.69	4.16	1113.13	821.40
6957.000	898.00	.00	.00	554.37	5652.00	565.96	.00	566.29	22.55	4.77	1523.92	1190.10
7889.000	932.00	.00	.00	557.05	2138.00	564.63	.00	564.91	40.25	4.85	771.23	336.99
7889.000	932.00	.00	.00	557.05	3340.00	566.19	.00	566.54	39.84	5.61	1115.80	529.15
7889.000	932.00	.00	.00	557.05	3913.00	566.84	.00	567.21	39.48	5.89	1272.96	622.79
7889.000	932.00	.00	.00	557.05	5652.00	568.58	.00	569.03	38.55	6.60	1732.93	910.32
8855.000	966.00	.00	.00	559.48	2138.00	568.15	.00	568.46	33.51	4.55	598.04	369.36
8855.000	966.00	.00	.00	559.48	3340.00	569.76	.00	570.16	35.11	5.40	904.73	563.66
8855.000	966.00	.00	.00	559.48	3913.00	570.41	.00	570.85	35.57	5.72	1050.47	656.06
8855.000	966.00	.00	.00	559.48	5652.00	572.12	.00	572.67	36.27	6.50	1472.87	938.45
9522.000	667.00	.00	.00	561.16	2138.00	570.20	.00	570.39	25.00	4.36	1089.67	427.62
9522.000	667.00	.00	.00	561.16	3340.00	571.96	.00	572.20	26.46	5.13	1518.90	649.30
9522.000	667.00	.00	.00	561.16	3913.00	572.66	.00	572.93	27.19	5.46	1705.77	750.44
9522.000	667.00	.00	.00	561.16	5652.00	574.51	.00	574.85	29.12	6.30	2232.09	1047.44
10409.000	887.00	.00	.00	563.38	2138.00	572.06	.00	572.17	16.32	3.67	1565.60	529.27
10409.000	887.00	.00	.00	563.38	3340.00	573.92	.00	574.05	16.70	4.27	2230.27	817.43
10409.000	887.00	.00	.00	563.38	3913.00	574.67	.00	574.82	16.86	4.51	2523.54	952.88
10409.000	887.00	.00	.00	563.38	5652.00	576.65	.00	576.82	17.33	5.12	3345.52	1357.64
12186.000	1789.00	.00	.00	568.06	2138.00	575.20	.00	575.34	19.23	3.37	1080.15	487.58
12186.000	1789.00	.00	.00	568.06	3340.00	576.95	.00	577.12	17.46	3.79	1622.14	799.29
12186.000	1789.00	.00	.00	568.06	3913.00	577.68	.00	577.86	16.99	3.97	1859.28	949.21
12186.000	1789.00	.00	.00	568.06	5652.00	579.62	.00	579.83	16.20	4.43	2525.27	1404.29
* 13103.000	905.00	.00	.00	570.88	2138.00	577.91	.00	578.07	53.51	4.95	1596.63	292.26
* 13103.000	905.00	.00	.00	570.88	3340.00	579.28	.00	579.42	40.21	4.99	2516.01	526.71
* 13103.000	905.00	.00	.00	570.88	3913.00	579.89	.00	580.02	35.84	5.00	2969.61	653.60
* 13103.000	905.00	.00	.00	570.88	5652.00	581.61	.00	581.73	27.74	5.06	4335.18	1073.20
13492.000	389.50	.00	.00	571.48	1763.00	579.93	.00	580.34	57.22	6.31	762.29	233.06
13492.000	389.50	.00	.00	571.48	2905.00	581.02	.00	581.45	61.22	7.16	1475.51	371.42
* 13492.000	389.50	.00	.00	571.48	3430.00	581.49	.00	581.90	59.20	7.30	1791.48	445.79
* 13492.000	389.50	.00	.00	571.48	5040.00	582.89	.00	583.22	49.49	7.35	2778.04	716.40

SECNO	XLCH	ELTRD	ELLCC	ELMIN	Q	CWSEL	CRIVS	EG	10*KS	VCH	AREA	.01K
* 13512.000	20.00	578.84	578.48	571.48	1763.00	580.40	.00	580.65	42.32	5.14	1069.33	271.00
* 13512.000	20.00	578.84	578.48	571.48	2906.00	581.09	.00	581.45	64.13	6.69	1518.75	362.87
* 13512.000	20.00	578.84	578.48	571.48	3430.00	581.56	.00	581.90	61.78	6.80	1834.68	436.39
* 13512.000	20.00	578.84	578.48	571.48	5040.00	582.95	.00	583.22	51.46	6.83	2817.80	702.51
* 13613.000	101.00	.00	.00	571.76	1763.00	580.85	.00	580.96	18.65	2.91	1173.28	408.21
* 13613.000	101.00	.00	.00	571.76	2906.00	581.71	.00	581.88	24.79	3.72	1755.76	583.71
* 13613.000	101.00	.00	.00	571.76	3430.00	582.14	.00	582.32	25.41	3.94	2044.84	680.49
* 13613.000	101.00	.00	.00	571.76	5040.00	583.39	.00	583.59	24.76	4.38	2939.04	1012.92
14511.000	897.50	.00	.00	574.23	1763.00	582.67	.00	582.71	20.38	3.33	2152.96	390.54
14511.000	897.50	.00	.00	574.23	2906.00	583.88	.00	583.93	20.92	3.76	3054.30	635.36
14511.000	897.50	.00	.00	574.23	3430.00	584.36	.00	584.41	21.16	3.93	3420.75	745.68
14511.000	897.50	.00	.00	574.23	5040.00	585.63	.00	585.69	21.86	4.39	4439.28	1077.89
* 15383.000	872.00	.00	.00	576.63	1763.00	585.19	.00	585.37	48.66	5.21	970.96	252.73
* 15383.000	872.00	.00	.00	576.63	2906.00	585.54	.00	585.77	54.68	6.21	1372.39	393.01
* 15383.000	872.00	.00	.00	576.63	3430.00	587.07	.00	587.31	56.64	6.58	1538.94	455.76
* 15383.000	872.00	.00	.00	576.63	5040.00	588.45	.00	588.75	60.91	7.52	2009.36	645.80
* 16207.000	824.00	.00	.00	578.89	1763.00	587.94	.00	588.01	22.43	3.70	1865.07	372.25
* 16207.000	824.00	.00	.00	578.89	2906.00	589.43	.00	589.50	21.95	4.13	2812.26	620.22
* 16207.000	824.00	.00	.00	578.89	3430.00	590.00	.00	590.08	21.96	4.31	3213.15	731.98
* 16207.000	824.00	.00	.00	578.89	5040.00	591.52	.00	591.61	22.12	4.77	4321.43	1071.68
16494.000	287.00	.00	.00	579.68	1763.00	588.47	.00	588.54	15.48	3.47	1711.11	448.16
16494.000	287.00	.00	.00	579.68	2906.00	590.00	.00	590.09	19.13	4.35	2624.07	664.34
16494.000	287.00	.00	.00	579.68	3430.00	590.59	.00	590.70	20.43	4.68	3010.81	758.91
16494.000	287.00	.00	.00	579.68	5040.00	592.14	.00	592.28	23.69	5.54	4112.58	1035.56
* 16794.000	300.00	.00	.00	581.41	1225.00	588.97	.00	589.53	65.61	6.00	204.11	151.24
* 16794.000	300.00	.00	.00	581.41	2133.00	590.48	.00	591.56	93.77	8.34	255.77	220.27
* 16794.000	300.00	.00	.00	581.41	2519.00	591.24	.00	591.47	29.89	5.02	1098.31	460.76
* 16794.000	300.00	.00	.00	581.41	3706.00	592.79	.00	592.92	18.13	4.39	3336.85	870.28
* 16839.000	45.00	591.97	590.51	581.61	1225.00	589.21	.00	589.55	32.53	4.73	259.21	214.79
* 16839.000	45.00	591.97	590.51	581.61	2133.00	591.00	.00	591.69	48.48	6.65	320.75	306.34
* 16839.000	45.00	591.97	590.51	581.61	2519.00	592.68	.00	592.83	13.91	3.97	1483.16	675.38
* 16839.000	45.00	591.97	590.51	581.61	3706.00	593.96	.00	594.06	10.89	3.78	4053.20	1122.91
* 16915.000	76.00	.00	.00	581.76	1225.00	589.73	.00	589.78	12.16	2.87	1282.53	351.31
* 16915.000	76.00	.00	.00	581.76	2133.00	591.98	.00	592.03	10.80	3.24	2561.40	649.16
* 16915.000	76.00	.00	.00	581.76	2519.00	592.89	.00	592.95	10.00	3.32	3162.92	796.49
* 16915.000	76.00	.00	.00	581.76	3706.00	594.08	.00	594.16	13.52	4.15	4004.35	1007.97
17800.000	885.00	.00	.00	582.41	1225.00	590.89	.00	590.94	14.00	2.97	1376.57	327.42
17800.000	885.00	.00	.00	582.41	2133.00	592.99	.00	593.04	12.09	3.29	2392.00	613.47
17800.000	885.00	.00	.00	582.41	2519.00	593.83	.00	593.89	11.29	3.38	2829.63	749.51
17800.000	885.00	.00	.00	582.41	3706.00	595.28	.00	595.35	13.43	4.04	3621.20	1011.52

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRISWS	EG	10*KS	VCH	AREA	.OIK
18686.000	886.00	.00	.00	584.20	1225.00	592.42	.00	592.51	22.95	3.71	1123.12	255.69
18686.000	886.00	.00	.00	584.20	2133.00	594.34	.00	594.45	21.16	4.22	1839.70	463.69
18686.000	886.00	.00	.00	584.20	2519.00	595.10	.00	595.21	20.08	4.35	2150.19	562.21
18686.000	886.00	.00	.00	584.20	3706.00	596.72	.00	596.85	21.38	4.99	2866.54	801.50
19511.000	825.00	.00	.00	585.86	1225.00	594.44	.00	594.57	26.93	4.09	765.87	236.05
19511.000	825.00	.00	.00	585.86	2133.00	596.28	.00	596.44	27.30	4.80	1324.14	408.22
19511.000	825.00	.00	.00	585.86	2519.00	596.97	.00	597.14	27.03	5.02	1557.25	484.54
19511.000	825.00	.00	.00	585.86	3706.00	598.66	.00	598.88	28.10	5.70	2185.31	699.09
20671.000	1160.00	.00	.00	590.03	1225.00	597.70	.00	597.80	28.67	3.87	1668.43	228.80
20671.000	1160.00	.00	.00	590.03	2133.00	599.44	.00	599.54	26.13	4.34	2706.53	417.24
20671.000	1160.00	.00	.00	590.03	2519.00	600.08	.00	600.19	25.44	4.51	3116.73	499.44
20671.000	1160.00	.00	.00	590.03	3706.00	601.79	.00	601.91	24.13	4.95	4293.70	754.39
21851.000	1180.00	.00	.00	594.27	1225.00	601.87	.00	601.96	44.46	4.33	1180.06	183.71
21851.000	1180.00	.00	.00	594.27	2133.00	603.32	.00	603.42	42.45	4.87	1863.28	327.37
21851.000	1180.00	.00	.00	594.27	2519.00	603.87	.00	603.97	41.73	5.05	2128.95	389.93
21851.000	1180.00	.00	.00	594.27	3706.00	605.39	.00	605.50	39.64	5.50	2900.47	588.65
* 22813.000	962.00	.00	.00	595.77	1225.00	604.52	.00	604.56	18.05	3.09	1881.52	288.30
* 22813.000	962.00	.00	.00	595.77	2133.00	606.11	.00	606.16	20.39	3.73	2725.26	472.39
* 22813.000	962.00	.00	.00	595.77	2519.00	606.69	.00	606.74	21.00	3.95	3047.49	549.66
22813.000	962.00	.00	.00	595.77	3706.00	608.25	.00	608.32	22.44	4.51	3950.21	782.37
* 23206.000	393.00	.00	.00	596.38	1225.00	604.87	.00	604.88	4.62	1.85	2206.40	570.06
* 23206.000	393.00	.00	.00	596.38	2133.00	606.52	.00	606.54	5.51	2.29	3194.27	908.91
* 23206.000	393.00	.00	.00	596.38	2519.00	607.12	.00	607.14	5.76	2.43	3571.90	1050.01
* 23206.000	393.00	.00	.00	596.38	3706.00	608.72	.00	608.75	6.30	2.81	4637.58	1475.97
23506.000	300.00	.00	.00	596.85	1080.00	605.01	.00	605.02	4.44	1.76	2021.62	512.51
23506.000	300.00	.00	.00	596.85	1927.00	606.68	.00	606.70	5.24	2.18	3008.12	841.51
23506.000	300.00	.00	.00	596.85	2273.00	607.28	.00	607.30	5.39	2.31	3384.15	979.15
23506.000	300.00	.00	.00	596.85	3335.00	608.90	.00	608.93	5.71	2.63	4444.79	1396.18
* 23507.000	1.00	603.45	602.65	596.85	1080.00	603.79	601.94	606.25	444.07	12.60	88.10	51.25
* 23507.000	1.00	603.45	602.65	596.85	1927.00	606.50	.00	606.88	211.14	7.94	902.96	132.62
* 23507.000	1.00	603.45	602.65	596.85	2273.00	607.20	.00	607.39	132.24	6.16	1284.36	197.66
* 23507.000	1.00	603.45	602.65	596.85	3335.00	608.87	.00	608.97	58.66	4.90	2314.44	435.42
* 23527.000	20.00	603.45	602.65	596.85	1080.00	607.09	.00	607.14	34.04	3.08	1220.41	185.11
23527.000	20.00	603.45	602.65	596.85	1927.00	607.10	.00	607.25	108.30	5.50	1220.72	185.17
23527.000	20.00	603.45	602.65	596.85	2273.00	607.49	.00	607.63	96.30	5.44	1451.42	231.62
23527.000	20.00	603.45	602.65	596.85	3335.00	608.99	.00	609.08	53.40	4.73	2394.74	456.37
* 23528.000	1.00	.00	.00	596.85	1080.00	607.15	.00	607.15	1.30	1.12	3296.32	946.48
* 23528.000	1.00	.00	.00	596.85	1927.00	607.27	.00	607.29	3.89	1.96	3377.64	976.72
* 23528.000	1.00	.00	.00	596.85	2273.00	607.65	.00	607.67	4.54	2.17	3615.50	1066.66
* 23528.000	1.00	.00	.00	596.85	3335.00	609.08	.00	609.10	5.33	2.57	4563.25	1445.01

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.OIK
23603.000	75.00	.00	.00	597.01	1080.00	607.15	.00	607.16	1.40	1.16	3202.60	911.96
23603.000	75.00	.00	.00	597.01	1927.00	607.30	.00	607.32	4.15	2.01	3295.34	946.12
23603.000	75.00	.00	.00	597.01	2273.00	607.68	.00	607.70	4.81	2.22	3534.90	1035.94
23603.000	75.00	.00	.00	597.01	3335.00	609.12	.00	609.14	5.58	2.61	4481.58	1411.29
* 24089.000	486.00	.00	.00	598.00	1080.00	607.28	.00	607.33	12.91	2.77	2044.41	300.53
* 24089.000	486.00	.00	.00	598.00	1927.00	607.67	.00	607.78	30.71	4.41	2308.59	347.75
* 24089.000	486.00	.00	.00	598.00	2273.00	608.10	.00	608.21	31.73	4.65	2604.99	403.52
* 24089.000	486.00	.00	.00	598.00	3335.00	609.58	.00	609.69	28.71	4.93	3658.58	622.45
24768.000	679.00	.00	.00	599.39	1080.00	608.15	.00	608.18	12.26	2.57	2263.18	308.43
24768.000	679.00	.00	.00	599.39	1927.00	609.29	.00	609.34	17.73	3.42	3053.85	457.65
24768.000	679.00	.00	.00	599.39	2273.00	609.78	.00	609.83	18.42	3.62	3406.37	529.58
24768.000	679.00	.00	.00	599.39	3335.00	611.20	.00	611.26	18.98	4.07	4469.69	765.59
* 25862.000	1094.00	.00	.00	601.63	1080.00	610.20	.00	610.35	35.85	4.31	1140.85	160.37
25862.000	1094.00	.00	.00	601.63	1927.00	611.79	.00	611.93	32.39	4.72	2186.87	338.61
25862.000	1094.00	.00	.00	601.63	2273.00	612.32	.00	612.46	31.92	4.88	2552.91	402.29
25862.000	1094.00	.00	.00	601.63	3335.00	613.75	.00	613.90	31.00	5.32	3579.75	598.94
26998.000	1136.00	.00	.00	603.96	1080.00	613.48	.00	613.64	23.82	3.88	715.88	221.30
26998.000	1136.00	.00	.00	603.96	1927.00	615.18	.00	615.38	29.34	4.81	1279.24	361.99
26998.000	1136.00	.00	.00	603.96	2273.00	615.74	.00	615.96	29.41	5.09	1494.89	419.13
26998.000	1136.00	.00	.00	603.96	3335.00	617.25	.00	617.50	31.78	5.80	2094.95	591.58
* 28753.000	1755.00	.00	.00	608.95	620.00	617.34	.00	617.46	18.68	3.07	463.04	143.44
28753.000	1755.00	.00	.00	608.95	1140.00	619.27	.00	619.39	16.48	3.45	1086.91	280.85
28753.000	1755.00	.00	.00	608.95	1400.00	619.93	.00	620.06	16.78	3.67	1372.22	341.81
28753.000	1755.00	.00	.00	608.95	2190.00	621.62	.00	621.76	16.96	4.15	2210.07	531.74
* 29390.000	637.00	.00	.00	611.49	620.00	618.94	.00	619.16	39.58	4.00	296.80	98.55
29390.000	637.00	.00	.00	611.49	1140.00	620.61	.00	620.79	30.08	4.19	927.82	207.86
29390.000	637.00	.00	.00	611.49	1400.00	621.26	.00	621.43	28.04	4.30	1232.04	284.40
29390.000	637.00	.00	.00	611.49	2190.00	622.90	.00	623.07	25.01	4.63	2083.02	437.89
30246.000	856.00	.00	.00	614.90	620.00	622.19	.00	622.38	35.65	3.90	330.66	103.84
30246.000	856.00	.00	.00	614.90	1140.00	623.57	.00	623.82	41.49	4.86	662.73	176.99
30246.000	856.00	.00	.00	614.90	1400.00	624.13	.00	624.40	42.95	5.20	835.18	213.62
30246.000	856.00	.00	.00	614.90	2190.00	625.59	.00	625.90	44.33	5.93	1382.30	328.91
* 31237.000	991.00	.00	.00	622.80	620.00	628.44	.00	629.16	168.12	6.79	95.63	47.82
* 31237.000	991.00	.00	.00	622.80	1140.00	630.09	.00	630.90	141.15	7.77	251.35	95.95
* 31237.000	991.00	.00	.00	622.80	1400.00	630.66	.00	631.45	131.36	7.97	341.82	122.15
* 31237.000	991.00	.00	.00	622.80	2190.00	631.98	.00	632.72	115.15	8.48	635.47	204.08

Calderell Creek (CAC.IN)

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFVSW	DIFKWS	TOPWID	XLCH
87.000	2138.00	537.33	.00	.00	-2.07	361.37	.00
87.000	3340.00	539.37	1.44	.00	-.63	567.20	.00
87.000	3913.00	539.89	.52	.00	-.11	560.12	.00
87.000	5852.00	541.33	1.43	.00	1.33	600.18	.00
1030.000	2138.00	540.55	.00	2.61	.00	349.42	943.00
1030.000	3340.00	542.05	1.50	2.68	.00	370.14	943.00
1030.000	3913.00	542.63	.59	2.74	.00	378.23	943.00
1030.000	5852.00	544.14	1.51	2.81	.00	399.08	943.00
* 1902.000	2138.00	543.35	.00	2.80	.00	213.16	872.00
* 1902.000	3340.00	544.82	1.47	2.77	.00	289.18	872.00
* 1902.000	3913.00	545.43	.61	2.79	.00	280.86	872.00
* 1902.000	5852.00	547.02	1.59	2.88	.00	299.00	872.00
2560.500	2138.00	548.55	.00	5.29	.00	187.36	678.50
2560.500	3340.00	549.90	1.26	5.08	.00	231.90	678.50
2560.500	3913.00	550.38	.48	4.56	.00	254.89	678.50
2560.500	5852.00	551.69	1.30	4.67	.00	317.19	678.50
2880.500	2138.00	550.86	.00	2.21	.00	31.00	300.00
2880.500	3340.00	552.19	1.33	2.29	.00	250.01	300.00
2880.500	3913.00	552.72	.54	2.34	.00	275.17	300.00
2880.500	5852.00	554.11	1.39	2.43	.00	343.37	300.00
* 2900.500	2138.00	552.26	.00	1.43	.00	31.00	20.00
* 2900.500	3340.00	555.40	3.12	3.21	.00	402.34	20.00
* 2900.500	3913.00	555.84	.44	3.11	.00	416.80	20.00
* 2900.500	5852.00	556.79	.95	2.67	.00	436.06	20.00
* 2976.500	2138.00	553.80	.00	1.51	.00	315.26	76.00
* 2976.500	3340.00	555.60	1.80	.20	.00	401.72	76.00
* 2976.500	3913.00	556.06	.46	.23	.00	417.01	76.00
* 2976.500	5852.00	557.10	1.04	.32	.00	437.88	76.00
3676.000	2138.00	554.74	.00	.94	.00	258.88	699.50
3676.000	3340.00	556.59	1.85	.98	.00	290.57	699.50
3676.000	3913.00	557.16	.58	1.10	.00	298.42	699.50
3676.000	5852.00	558.58	1.42	1.48	.00	317.66	699.50
4435.000	2138.00	556.13	.00	1.39	.00	489.93	759.00
4435.000	3340.00	557.93	1.80	1.35	.00	580.09	759.00
4435.000	3913.00	558.58	.65	1.42	.00	622.26	759.00
4435.000	5852.00	560.22	1.64	1.64	.00	698.29	759.00

SECKO	Q	CMSEL	DIFWSP	DIFVFX	DIFKWS	TOPWID	XLCH
* 5415.000	2138.00	558.35	.00	2.22	.00	162.59	980.00
* 5415.000	3340.00	559.90	1.55	1.97	.00	202.45	980.00
* 5415.000	3913.00	560.51	.61	1.93	.00	219.60	980.00
* 5415.000	5652.00	562.11	1.59	1.89	.00	264.96	980.00
6059.000	2138.00	559.96	.00	1.62	.00	215.75	644.00
6059.000	3340.00	561.65	1.69	1.75	.00	239.05	644.00
6059.000	3913.00	562.32	.67	1.80	.00	248.11	644.00
6059.000	5652.00	564.05	1.73	1.54	.00	271.60	644.00
6957.000	2138.00	561.86	.00	1.90	.00	163.32	898.00
6957.000	3340.00	563.51	1.66	1.86	.00	199.73	898.00
6957.000	3913.00	564.18	.67	1.85	.00	214.68	898.00
6957.000	5652.00	565.96	1.78	1.91	.00	243.44	898.00
7889.000	2138.00	564.63	.00	2.76	.00	204.52	932.00
7889.000	3340.00	566.19	1.56	2.68	.00	235.75	932.00
7889.000	3913.00	568.84	.65	2.66	.00	247.72	932.00
7889.000	5652.00	568.58	1.74	2.62	.00	279.80	932.00
8355.000	2138.00	568.15	.00	3.52	.00	165.30	966.00
8355.000	3340.00	569.76	1.61	3.57	.00	216.37	966.00
8355.000	3913.00	570.41	.65	3.57	.00	231.11	966.00
8355.000	5652.00	572.12	1.72	3.54	.00	261.39	966.00
9522.000	2138.00	570.20	.00	2.04	.00	229.22	667.00
9522.000	3340.00	571.96	1.76	2.20	.00	258.44	667.00
9522.000	3913.00	572.65	.71	2.26	.00	270.18	667.00
9522.000	5652.00	574.51	1.84	2.38	.00	300.78	667.00
10409.000	2138.00	572.06	.00	1.86	.00	337.97	887.00
10409.000	3340.00	573.92	1.86	1.95	.00	380.15	887.00
10409.000	3913.00	574.67	.75	2.01	.00	397.38	887.00
10409.000	5652.00	576.65	1.97	2.14	.00	432.61	887.00
12198.000	2138.00	575.20	.00	3.14	.00	297.60	1789.00
12198.000	3340.00	576.95	1.75	3.03	.00	320.74	1789.00
12198.000	3913.00	577.68	.73	3.00	.00	330.35	1789.00
12198.000	5652.00	579.62	1.94	2.97	.00	355.97	1789.00
* 13103.000	2138.00	577.91	.00	2.71	.00	628.90	905.00
* 13103.000	3340.00	579.28	1.37	2.33	.00	718.21	905.00
* 13103.000	3913.00	579.89	.61	2.21	.00	750.43	905.00
* 13103.000	5652.00	581.61	1.72	1.99	.00	824.78	905.00
13492.000	1763.00	579.93	.00	2.02	.00	583.65	389.50
13492.000	2906.00	581.02	1.09	1.74	.00	665.52	389.50
13492.000	3430.00	581.49	.47	1.60	.00	681.75	389.50
13492.000	5040.00	582.89	1.40	1.28	.00	730.10	389.50

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
* 13512.000	1763.00	580.40	.00	.48	.00	644.11	20.00
* 13512.000	2905.00	581.09	.69	.07	.00	667.83	20.00
* 13512.000	3430.00	581.56	.47	.00	.00	684.00	20.00
* 13512.000	5040.00	582.95	1.39	.06	.00	732.04	20.00
* 13613.000	1763.00	580.85	.00	.44	.00	649.61	101.00
* 13613.000	2906.00	581.71	.87	.63	.00	679.94	101.00
* 13613.000	3430.00	582.14	.43	.58	.00	694.50	101.00
* 13613.000	5040.00	583.39	1.25	.44	.00	737.69	101.00
14511.000	1763.00	582.67	.00	1.82	.00	717.09	897.50
14511.000	2906.00	583.88	1.22	2.17	.00	761.36	897.50
14511.000	3430.00	584.36	.48	2.22	.00	779.47	397.50
14511.000	5040.00	585.63	1.27	2.24	.00	817.69	837.50
* 15363.000	1763.00	585.19	.00	2.53	.00	282.36	872.00
* 15363.000	2906.00	586.54	1.35	2.66	.00	312.82	872.00
* 15363.000	3430.00	587.07	.52	2.71	.00	324.62	872.00
* 15363.000	5040.00	588.45	1.38	2.82	.00	355.88	872.00
* 16207.000	1763.00	587.94	.00	2.74	.00	595.40	824.00
* 16207.000	2906.00	589.43	1.49	2.88	.00	678.10	824.00
* 16207.000	3430.00	590.00	.58	2.94	.00	710.10	824.00
* 16207.000	5040.00	591.52	1.52	3.07	.00	749.92	824.00
16494.000	1763.00	598.47	.00	.53	.00	556.35	287.00
16494.000	2906.00	590.00	1.53	.57	.00	637.70	287.00
16494.000	3430.00	590.59	.59	.58	.00	669.18	287.00
16494.000	5040.00	592.14	1.55	.61	.00	751.69	287.00
* 16794.000	1225.00	588.97	.00	.50	.00	34.20	300.00
* 16794.000	2133.00	590.48	1.51	.48	.00	34.20	300.00
* 16794.000	2519.00	591.24	.76	.65	.00	260.01	300.00
16794.000	3706.00	592.79	1.55	.66	.00	694.62	300.00
* 16839.000	1225.00	589.21	.00	.24	.00	34.20	45.00
* 16839.000	2133.00	591.00	1.80	.53	.00	34.20	45.00
* 16839.000	2519.00	592.68	1.67	1.44	.00	292.22	45.00
16839.000	3706.00	593.96	1.28	1.17	.00	743.44	45.00
* 16915.000	1225.00	589.73	.00	.53	.00	486.79	76.00
* 16915.000	2133.00	591.98	2.24	.97	.00	632.45	76.00
16915.000	2519.00	592.29	.92	.21	.00	681.17	76.00
16915.000	3706.00	594.08	1.19	.12	.00	743.99	76.00
17800.000	1225.00	590.89	.00	1.15	.00	457.42	885.00
17800.000	2133.00	592.95	2.10	1.01	.00	508.31	885.00
17800.000	2519.00	593.83	.84	.94	.00	528.74	885.00
17800.000	3706.00	595.28	1.45	1.20	.00	569.42	885.00

SECR0	Q	CMSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
18886.000	1225.00	592.42	.00	1.53	.00	346.79	886.00
18886.000	2133.00	594.34	1.92	1.35	.00	398.35	886.00
18886.000	2519.00	595.10	.76	1.27	.00	418.93	886.00
18886.000	3706.00	596.72	1.62	1.44	.00	466.19	886.00
19511.000	1225.00	594.44	.00	2.02	.00	268.85	825.00
19511.000	2133.00	596.28	1.84	1.94	.00	328.05	825.00
19511.000	2519.00	596.97	.69	1.87	.00	344.95	825.00
19511.000	3706.00	598.68	1.72	1.96	.00	386.84	825.00
20671.000	1225.00	597.70	.00	3.27	.00	568.84	1160.00
20671.000	2133.00	599.44	1.74	3.16	.00	630.14	1160.00
20671.000	2519.00	600.08	.64	3.11	.00	653.05	1160.00
20671.000	3706.00	601.79	1.71	3.11	.00	719.59	1160.00
21851.000	1225.00	601.87	.00	4.16	.00	451.57	1180.00
21851.000	2133.00	603.32	1.45	3.88	.00	481.17	1180.00
21851.000	2519.00	603.87	.55	3.79	.00	492.19	1180.00
21851.000	3706.00	605.39	1.52	3.60	.00	524.22	1180.00
* 22813.000	1225.00	604.52	.00	2.65	.00	506.36	962.00
* 22813.000	2133.00	606.11	1.59	2.79	.00	547.69	962.00
* 22813.000	2519.00	606.69	.58	2.82	.00	559.68	962.00
* 22813.000	3706.00	608.25	1.57	2.85	.00	591.97	962.00
* 23206.000	1225.00	604.87	.00	.35	.00	574.51	393.00
* 23206.000	2133.00	606.52	1.65	.41	.00	622.47	393.00
* 23206.000	2519.00	607.12	.60	.43	.00	635.82	393.00
* 23206.000	3706.00	608.77	1.61	.47	.00	686.42	393.00
23506.000	1080.00	605.01	.00	.14	.00	565.21	300.00
23506.000	1927.00	606.68	1.67	.16	.00	613.74	300.00
23506.000	2273.00	607.28	.60	.17	.00	631.26	300.00
23506.000	3335.00	608.90	1.62	.18	.00	678.23	300.00
* 23507.000	1080.00	603.79	.00	-1.22	.00	308.52	1.00
* 23507.000	1927.00	606.50	2.71	-1.18	.00	608.68	1.00
* 23507.000	2273.00	607.20	.70	-.08	.00	628.89	1.00
* 23507.000	3335.00	608.87	1.67	-.03	.00	677.22	1.00
* 23527.000	1080.00	607.09	.00	3.30	.00	625.63	20.00
23527.000	1927.00	607.10	.01	.60	.00	625.55	20.00
23527.000	2273.00	607.49	.39	.29	.00	637.23	20.00
23527.000	3335.00	608.99	1.50	.12	.00	680.74	20.00
* 23528.000	1080.00	607.15	.00	.06	.00	627.21	1.00
* 23528.000	1927.00	607.27	.13	.18	.00	630.56	1.00
* 23528.000	2273.00	607.65	.37	.16	.00	641.60	1.00
* 23528.000	3335.00	609.08	1.43	.09	.00	693.28	1.00

SECNO	Q	CWSEL	DIRVSP	DIRVSW	DIFKMS	TOPNID	XLCH
23503.000	1080.00	607.16	.00	.01	.00	622.86	75.00
23603.000	1927.00	607.30	.15	.03	.00	627.16	75.00
23603.000	2273.00	607.68	.38	.03	.00	638.14	75.00
23603.000	3335.00	609.12	1.44	.04	.00	679.80	75.00
* 24089.000	1080.00	607.28	.00	.13	.00	673.68	486.00
* 24089.000	1927.00	607.67	.39	.37	.00	683.18	486.00
* 24089.000	2273.00	608.10	.43	.42	.00	693.69	486.00
* 24089.000	3335.00	609.58	1.48	.46	.00	729.80	486.00
24768.000	1080.00	608.15	.00	.87	.00	678.26	679.00
24768.000	1927.00	609.29	1.14	1.62	.00	713.04	679.00
24768.000	2273.00	609.78	.45	1.67	.00	728.01	679.00
24768.000	3335.00	611.20	1.42	1.62	.00	762.76	679.00
* 25862.000	1080.00	610.20	.00	2.05	.00	639.39	1094.00
25862.000	1927.00	611.79	1.59	2.50	.00	681.21	1094.00
25862.000	2273.00	612.32	.53	2.55	.00	695.25	1094.00
25862.000	3335.00	613.76	1.44	2.56	.00	733.21	1094.00
26998.000	1080.00	613.48	.00	3.28	.00	281.47	1136.00
26998.000	1927.00	615.18	1.70	3.39	.00	378.01	1136.00
26998.000	2273.00	615.74	.56	3.42	.00	387.47	1136.00
26998.000	3335.00	617.25	1.50	3.49	.00	412.67	1136.00
* 28753.000	620.00	617.34	.00	3.86	.00	247.16	1755.00
28753.000	1140.00	615.27	1.93	4.09	.00	401.54	1755.00
28753.000	1400.00	619.93	.67	4.19	.00	455.02	1755.00
28753.000	2190.00	621.62	1.68	4.37	.00	533.47	1755.00
* 29390.000	620.00	618.94	.00	1.60	.00	254.86	637.00
29390.000	1140.00	620.61	1.67	1.34	.00	455.12	637.00
29390.000	1400.00	621.26	.65	1.33	.00	483.89	637.00
29390.000	2190.00	622.90	1.64	1.28	.00	556.52	637.00
30246.000	620.00	622.19	.00	3.24	.00	192.26	856.00
30246.000	1140.00	623.57	1.36	2.96	.00	288.76	856.00
30246.000	1400.00	624.13	.56	2.87	.00	327.85	856.00
30246.000	2190.00	625.59	1.46	2.70	.00	402.80	856.00
* 31237.000	620.00	628.44	.00	6.26	.00	45.02	991.00
* 31237.000	1140.00	630.09	1.64	6.52	.00	144.67	991.00
* 31237.000	1400.00	630.66	.57	6.53	.00	178.68	991.00
* 31237.000	2190.00	631.58	1.32	6.39	.00	259.97	991.00

14OCT91

15:05:45

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SUMMARY OF ERRORS AND SPECIAL NOTES

CAUTION SECNO= 13512.000 PROFILE= 2 HYDRAULIC JUMP D.S.
CAUTION SECNO= 13512.000 PROFILE= 3 HYDRAULIC JUMP D.S.
CAUTION SECNO= 13512.000 PROFILE= 4 HYDRAULIC JUMP D.S.



Floodway Output

Caldwell Creek HEC-2 Output Floodway

Study Contractor : Hayes, Seay, Matern & Matern
Contract Number : EMW-00-C-3101
HSMM Number : 2373

HEC-2 WATER SURFACE PROFILES

Version 4.6.2: May 1991

RUN DATE 14OCT91 TIME 15:10:34

U.S. ARMY CORPS OF ENGINEERS
HYDROLOGIC ENGINEERING CENTER
609 SECOND STREET, SUITE D
DAVIS, CALIFORNIA 95616-4637
(916) 756-1104

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HAYES, SEAY, HATTERN & MATTER, INC.
ROANOKE, VIRGINIA - GREENSBORO, NORTH CAROLINA
COMMISSION NUMBER: 2373
INPUT FILE NAME: CAC_FM.HEC
OUTPUT FILE NAME: CAC_FM.OUT

SEC-2 WATER SURFACE PROFILES

Version 4.6.2; May 1991

11 Hayes, Seay, Mattern & Mattern Cabarrus County, NC FIS
12 Proj. No. BW-90-C-3101 Eng:JMW/EKJ ET:TFH Comm. No. 2573
13 Caldwell Creek (CAC.IN) Date: 10/14/91 100-Year Event

J1 ICHECK INQ MINV IDIR STRT METRIC HVINS Q WSEL FQ
4.0 0.0035 540.0

J2 MPROF IPLOT PRFVS XSECV XSECH FN ALLDC IDW CHRM ITRACE

1 -1.0

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

1:0 200.

J5 LPRINT NUMSEC

10.

MC	0.18	0.18	0.05	0.1	0.3	0.18	4982.5	0.06	5028.	0.18
NH	7	1.	4804.	0.32	4901.	0.18	0.	0.	0.	0.
NH	5700.	0.32	5343.	1.	5495.	0.	0.	0.	0.	0.
QT	0.	21.8	3340.	3913.	5652.	3913.	1027.	1644.	2771.	0.00
ET	0.00	0.00	0.00	0.00	0.00	10.41	0.00	0.00	0.00	0.00

*****REQUESTED SECTION NUMBERS*****

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HEC-2 input file created with CodeH2
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Version: 3.78
CodeH2 Copyrighted 1986 - 1991
Run Date: Monday, October 14, 1991
Run Time: 15:10:09

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The Following Options Have Been Activated :

- 1. COPYWAY Option
- 2. HEC1 Option
- 3. SUMMARY_150 Option

Cross Section CALDWELL 100
Cross Section A (HSMH Draft)

X1 87.	23.	4982.5	5028.	87.	87.	87.	0.00	4724.
GR 585.	4840.	580.	4666.	575.	4677.	570.	560.	536.89
GR 550.	4747.	545.	4764.	540.	4797.	539.78	4804.	5000.
GR 535.	4904.	537.34	4982.5	527.94	4989.5	525.84	4997.5	539.63
GR 527.94	5004.5	530.	5010.	535.	5028.	537.53	5200.	0.
GR 540.	5368.	545.	5445.	550.	5495.	0.	0.	0.
MH 7.	1.	4772.	0.32	4857.	4977.	4977.	5026.	0.18
MH 5104.	0.32	5201.	1.	5379.	0.	0.	0.	0.

Cross Section CALDWELL 101
Cross Section B (HSMH Draft)

X1 1030.	25.	4977.	5026.	943.	943.	943.	943.	4643.
GR 575.	4265.	570.	4373.	565.	4535.	560.	555.	4857.
GR 550.	4770.	549.71	4772.	545.	4804.	540.	4950.	5004.5
GR 535.	4977.	532.85	4989.5	530.75	4997.5	531.5	532.85	5215.
GR 526.	5026.	537.35	5104.	540.	5192.	541.96	545.	5379.
GR 550.	5237.	580.	5279.	565.	5293.	570.	575.	0.18
MH 7.	1.	4703.	0.32	4847.	4977.5	4977.5	5022.5	0.
MH 5063.	0.32	5068.	1.	5243.	0.	0.	0.	0.
ET 0.00	0.00	0.00	0.00	0.00	7.11	4875.00	5025.00	0.00

Cross Section CALDWELL 102
Cross Section C (HSMH Draft)

X1 1942.	28.	4977.5	5022.5	872.	872.	872.	872.	4703.
GR 570.	3487.	565.	4562.	560.	4633.	555.	553.71	4977.5
GR 550.	4749.	545.	4787.	543.18	4847.	540.	540.52	5114.
GR 537.22	4984.5	543.32	4993.5	536.69	5000.	537.22	5009.5	5226.
GR 540.	5037.	545.	5063.	550.	5082.	551.88	560.	0.
GR 570.	5139.	575.	5147.	580.	5161.	585.	595.	0.
GR 500.	5243.	0.	0.	0.	0.	0.	0.	0.
MH 7.	1.	4795.	0.32	4916.	4983.	4983.	5038.	0.16
MH 5082.9	0.32	5150.	1.	5451.	0.	0.	0.	0.
ET 0.00	0.00	0.00	0.00	0.00	7.11	4900.00	5025.00	0.00
X1 2500.5	53.	4963.	5058.	678.5	678.5	678.5	678.5	4598.
GR 519.08	4452.	573.68	4508.	4530.	4530.	4530.	563.08	4739.
GR 552.88	4999.	558.08	4651.	4665.	4665.	4665.	551.99	4913.
GR 550.28	4794.	520.22	4782.	548.03	4865.	547.66	547.66	4963.
GR 547.55	4916.	546.76	4927.9	546.76	4938.	548.26	546.25	4987.91
GR 543.37	4967.49	543.45	4987.6	543.37	4987.7	543.37	543.33	5013.
GR 573.9	4988.	541.26	4993.	540.66	5000.	541.26	542.66	5018.91
GR 545.7	5015.48	545.72	5019.59	543.74	5018.7	543.74	543.8	5063.
GR 542.82	5018.	545.65	5037.9	548.87	5038.	551.55	5062.9	5113.
GR 542.85	5087.79	542.85	5088.	553.09	5093.	553.96	553.97	588.08
GR 558.04	5150.	542.99	5176.	563.08	5218.	566.59	568.08	0.
GR 573.31	5305.	573.08	5394.	573.08	5451.	0.	0.	0.

BR	545.74	5019.	551.78	5037.9	551.79	5038.	553.47	5062.9	553.48	5063.
BR	554.77	5087.9	554.78	5088.	555.	5093.	555.88	5112.9	555.89	5113.
GR	560.	5150.	561.91	5176.	565.	5218.	568.51	5284.	570.	5312.
GR	573.23	5365.	575.	5394.	575.	5451.	0.	0.	0.	0.
WH	7.	1.	4796.	0.32	4916.	0.18	4962.	0.06	5038.	0.16
RH	5062.9	0.32	5150.	1.	5451.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4900.00	5025.00	0.00	0.00
X1	2976.5	53.	4963.	5038.	76.	76.	0.	0.	0.	0.
GR	580.22	4452.	575.22	4508.	573.14	4530.	570.22	4561.	565.22	4598.
GR	585.13	4599.	580.22	4651.	558.9	4665.	555.22	4704.	554.13	4739.
GR	552.42	4794.	552.36	4796.	550.22	4865.	549.8	4912.9	549.8	4913.
GR	549.89	4916.	548.9	4937.9	548.9	4938.	548.4	4962.9	548.39	4963.
GR	545.61	4967.49	545.6	4997.6	545.56	4987.7	545.51	4987.81	545.47	4987.91
GR	545.44	4998.	543.4	4993.	542.8	5000.	543.4	5007.	544.8	5013.
GR	545.04	5018.49	545.86	5018.59	545.8	5018.7	545.9	5018.8	545.94	5018.91
GR	545.96	5019.	552.	5037.9	552.01	5038.	553.69	5062.9	553.7	5063.
GR	554.99	5087.9	555.	5088.	555.22	5093.	556.1	5112.9	556.11	5113.
GR	565.22	5150.	562.13	5176.	565.22	5218.	568.73	5284.	570.22	5312.
GR	573.45	5365.	575.22	5394.	575.22	5451.	0.	0.	0.	0.

HC	7.	1.	4840.	0.1	0.3	0.18	4977.5	0.06	5022.5	0.13
RA	5103.	0.22	5236.	1.	5397.	0.	0.	0.	0.	0.
RH	0.00	0.00	0.00	0.00	0.00	7.41	0.00	0.00	0.00	0.00
ET	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cross Section CALDWELL 103
Cross Section D. (HSMH Draft)

XI	3576.	22.	4977.5	5022.5	699.5	699.5	699.5	0.	0.	4909.
GR	575.	4700.	570.	4789.	567.	4840.	565.	4874.	560.	4884.5
GR	555.	4927.	550.	4952.	549.8	4957.	548.97	4977.5	545.67	5027.
GR	544.77	4993.5	545.14	5030.	545.67	5009.5	549.67	5022.5	550.	5281.
GR	552.25	5103.	555.	5196.	559.	5236.	560.	5246.	565.	5281.
GR	575.	5322.	575.	5397.	0.	0.	0.	0.	0.	0.
WH	7.	1.	4493.	0.32	4672.	0.18	4977.5	0.06	5024.	0.13
RH	5063.	0.32	5108.	1.	5237.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4630.00	5024.00	0.00	0.00

Cross Section CALDWELL 104
Cross Section E. (HSMH Draft)

XI	4435.	23.	4977.5	5024.	759.	759.	759.	0.	0.	4493.
GR	575.	4136.	570.	4245.	560.	4318.	560.	4399.	557.75	4977.5
GR	555.	4806.	555.	4872.	555.	4818.	555.	4855.	550.1	4977.5
GR	550.	4980.	547.82	4984.5	546.92	4993.5	547.29	5000.	547.82	5009.5
GR	550.	5024.	555.	5052.	556.38	5063.	560.	5092.	561.95	5108.
GR	565.	5133.	570.	5204.	575.	5237.	0.	0.	0.	0.

RA	7.	1.	4813.	0.23	4915.	0.16	4973.	0.065	5041.	0.18
NH	5053.	0.32	5101.	1.	5234.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	7.41	0.00	0.00	0.00	0.00	0.00

Cross Section CALDWELL 109
Cross Section J (HSMW Draft)

X1	3855.	22.	4973.	5041.	966.	966.	966.	0.	0.	4761.
GR	600.	4625.	595.	4662.	590.	4695.	585.	4735.	580.	4973.
GR	575.	4794.	573.39	4813.	570.	4853.	567.42	4915.	565.	5041.
GR	561.68	4979.	559.48	4989.	5000.	5000.	561.68	5021.	565.	5144.
GR	560.67	5053.	570.	5077.	5101.	5101.	575.	5106.	585.	0.
GR	595.	5194.	600.	5234.	0.	0.	0.	0.	0.	0.
NH	7.	1.	4827.	0.32	4927.	0.18	4980.5	0.065	5019.5	0.18
NH	5077.	0.32	5140.	1.	5341.	0.	0.	0.	0.	0.

Cross Section CALDWELL 110
Cross Section K (HSMW Draft)

X1	9522.	21.	4980.5	5019.5	667.	667.	667.	4827.	0.	4843.
GR	500.	4635.	590.	4715.	4795.	4795.	576.67	4827.	575.	4982.5
GR	570.	4878.	565.	4823.	4927.	4927.	564.56	4980.5	563.06	5077.
GR	561.16	4988.5	561.91	5000.	5017.5	5017.5	565.76	5019.5	565.	5293.
GR	570.	5104.	513.75	5140.	5152.	5152.	585.	5231.	595.	0.
GR	600.	5341.	0.	0.	0.	0.	0.	0.	0.	0.
NH	7.	1.	4792.	0.32	4910.	0.18	4982.5	0.065	5017.5	0.18
NH	5080.	0.32	5183.	1.	5358.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	10.41	0.00	0.00	0.00	0.00	0.00

Cross Section CALDWELL 111
Cross Section L (HSMW Draft)

X1	10409.	21.	4982.5	5017.5	887.	887.	887.	4783.	0.	4792.
GR	600.	4540.	590.	4617.	4732.	4732.	575.	4783.	574.29	4988.5
GR	570.	4846.	567.36	4910.	4967.	4967.	564.78	4982.5	563.38	5137.
GR	563.94	5000.	564.78	5017.5	5029.	5029.	567.36	5080.	570.	5306.
GR	574.51	5183.	575.	5180.	5221.	5221.	590.	5258.	595.	0.
GR	600.	5358.	0.	0.	0.	0.	0.	0.	0.	0.
NH	7.	1.	4824.	0.32	4931.	0.18	4959.	0.055	5041.	0.18
NH	5170.	0.32	5269.	1.	5372.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	7.11	0.00	4950.00	5100.00	0.00	0.00

Cross Section CALDWELL 113
Cross Section M (HSMW Draft)

X1	12188.	18.	4959.	5041.	1789.	1789.	1789.	4824.	0.	4875.
GR	200.	4675.	595.	4748.	4790.	4790.	585.	4824.	580.	5000.
GR	575.	4915.	573.18	4931.	4959.	4959.	568.06	4991.5	568.39	5269.
GR	570.	5041.	573.82	5170.	5210.	5210.	585.	5262.	588.18	0.
GR	590.	527.	595.	5324.	5372.	5372.	0.	0.	0.	0.

HH	7.	1.	4616.	0.32	4828.	0.18	4983.5	2.065	5016.5	0.18
NH	5112.	0.32	5273.	1.	5653.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	3.00	7.11	4800.00	5125.00	0.00	0.00
Cross Section CALDWELL 114										
Cross Section N (HSM Draft)										
X1	13103.	22.	4983.5	5016.5	905.	905.	905.	0.	0.	0.
GR	500.	4129.	595.	4284.	590.	4371.	4451.	580.	4544.	580.
GR	578.47	4616.	575.	4779.	575.04	4828.	4983.5	573.28	4987.5	573.28
GR	570.88	4991.5	571.81	5000.	573.28	5013.5	5016.5	575.09	5112.	5112.
GR	575.	5218.	577.99	5273.	580.	5310.	5400.	590.	5453.	590.
GR	595.	5539.	600.	5653.	0.	0.	0.	0.	0.	0.
NC			0.3	0.32	0.5	0.18	4988.	0.065	5013.	0.18
NH	7.	1.	4626.	0.32	4817.	0.	0.	0.	0.	0.
RH	5164.	0.32	5307.	1.	5829.	0.	0.	0.	0.	0.
QT	8.	1763.	2906.	3430.	5040.	3430.	822.	1332.	2359.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4850.00	5150.00	0.00	0.00
X1	13492.	55.	4988.	5013.	389.5	389.5	579.62	578.84	578.84	578.84
X3	10.						4575.	580.18	4628.	580.18
GR	500.	4442.	595.	4482.	590.	4535.	4935.	578.98	4959.99	578.98
GR	520.	4630.	579.62	4817.	579.38	4934.99	4985.01	574.03	4988.	574.03
GR	578.98	4960.	574.56	4984.99	574.56	4991.	572.28	4992.	4992.5	572.28
GR	573.77	4989.5	573.68	4990.	572.98	4991.	571.73	4997.	4998.5	571.73
GR	571.48	4993.99	571.48	4994.	571.61	4995.5	572.02	5002.5	5024.	572.02
GR	571.98	4999.98	571.98	5000.	571.99	5001.	5008.	573.67	5038.5	573.67
GR	572.06	5005.5	572.08	5006.99	572.08	5007.	5014.98	573.58	5014.99	573.58
GR	573.65	5010.	573.63	5011.5	573.61	5013.	5035.	578.08	5059.99	578.08
GR	573.58	5015.	573.58	5015.01	576.68	5034.99	5164.	580.	5260.	580.
GR	578.08	5060.	577.88	5084.99	577.88	5085.	578.84	5659.	3829.	578.84
GR	581.99	5507.	585.	5378.	590.	5482.	595.	600.		
SB	1.25	1.91	2.60	0.00	17.50	1.00	131.95	0.34	571.48	571.48
NH	7.	1.	4628.	0.32	4817.	0.18	4988.	0.065	5013.	0.18
RH	5164.	0.32	5307.	1.	5829.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4850.00	5150.00	0.00	0.00

STERNBRIEGE RD

X1	13512.	55.	4988.	5013.	20.	20.	20.	0.00	0.00	0.00
X2	0.90	0.00	1.00	578.48	578.84	0.00	0.00	579.62	578.84	578.84
X3	10.							4535.	590.02	590.02
BT	-55.	4442.	600.02	600.	4482.	595.02	595.	4630.	580.52	580.
BT		4575.	585.02	585.	4628.	580.2	580.18	4935.	590.88	579.38
BT		4817.	578.64	579.62	4934.99	580.88	579.38	4984.99	581.32	574.56
BT		4059.99	581.29	578.98	4960.	581.29	578.98	4988.	583.66	574.98
BT		4985.	583.72	574.56	4985.01	583.72	574.56	4991.	583.59	578.01
BT		4985.5	583.63	577.3	4990.	583.62	577.53	4991.	583.53	578.48
BT		4992.	583.57	578.25	4992.5	583.56	578.37	4997.	583.47	578.01
BT		4974.	583.53	578.48	4995.5	583.5	578.37	5000.	583.4	574.98
BT		4998.5	583.44	577.3	4999.98	583.41	575.01	5004.	583.32	578.01
BT		5001.	583.38	574.98	5002.5	583.35	577.3			

DT	5005.5	583.29	578.37	5006.99	583.26	578.48	5007.	583.26	578.48	5007.	583.26	578.48
BT	5008.	583.24	578.41	5008.5	583.23	578.37	5010.	583.19	578.01	5010.	583.19	578.01
BT	5011.5	583.16	577.3	5013.	583.13	574.98	5014.98	583.09	573.58	5014.98	583.09	573.58
BT	5014.99	583.09	573.58	5015.	580.69	573.58	5015.01	580.69	573.58	5015.01	580.69	573.58
BT	5034.99	580.07	576.68	5035.	580.07	576.68	5039.99	579.95	579.95	5039.99	579.95	579.95
BT	5060.	579.95	578.08	5084.99	580.12	577.88	5085.	580.12	577.88	5085.	580.12	577.88
BT	5164.	576.86	578.84	5260.	580.02	580.	5307.	582.01	581.99	5307.	582.01	581.99
BT	5378.	585.02	585.	5482.	590.02	590.	5659.	595.02	595.	5659.	595.02	595.
BT	5829.	600.02	600.	0.	0.	0.	0.	0.	0.	0.	0.	0.
BT	4442.	595.	4482.	580.	4535.	565.	4575.	580.18	4628.	4575.	580.18	4628.
BT	4630.	579.62	4817.	579.38	4934.99	579.38	4935.	578.98	4935.	4935.	578.98	4935.
BT	4960.	574.56	4984.99	574.56	4985.	574.56	4985.01	574.98	4988.	4985.01	574.98	4988.
BT	4983.99	572.43	4990.	571.95	4991.	571.71	4992.	571.59	4992.5	4992.	571.59	4992.5
BT	4989.5	571.48	4994.	571.59	4995.5	571.95	4997.	572.66	4998.5	4997.	572.66	4998.5
BT	4999.38	574.98	5000.	574.98	5001.	572.66	5002.5	571.95	5004.	5002.5	571.95	5004.
BT	5005.5	571.48	5006.99	571.48	5007.	571.55	5008.	571.59	5008.5	5008.	571.59	5008.5
BT	5910.	572.66	5011.5	574.98	5013.	573.58	5014.98	573.58	5014.99	5014.98	573.58	5014.99
BT	5015.	573.58	5015.01	576.68	5034.99	576.68	5035.	578.08	5059.99	5035.	578.08	5059.99
BT	5060.	577.88	5084.99	577.88	5085.	578.84	5164.	580.	5260.	5164.	580.	5260.
BT	5307.	585.	5378.	590.	5482.	595.	5659.	600.	5829.	5659.	600.	5829.
BT	4828.	0.32	4817.	4817.	0.18	4850.	0.065	5060.	0.18	0.065	5060.	0.18
BT	5367.	1.	5829.	5829.	0.	0.	0.	0.	0.	0.	0.	0.
BT	0.00	0.00	0.00	0.00	7.11	4850.00	5150.00	0.00	0.00	5150.00	0.00	0.00
BT	13613.	55.	4960.	101.	101.	101.	4575.	0.	0.	4575.	0.	0.
BT	600.28	4442.	595.28	590.23	4535.	585.28	4934.99	580.46	4628.	4934.99	580.46	4628.
BT	580.28	4630.	579.9	579.66	4934.99	579.66	4935.	579.26	4959.99	4935.	579.26	4959.99
BT	579.28	4960.	574.84	574.84	4985.	574.84	4985.01	574.31	4988.	4985.01	574.31	4988.
BT	574.05	4989.5	573.96	573.26	4991.	572.56	4992.	572.36	4992.5	4992.	572.36	4992.5
BT	571.76	4992.99	571.76	571.89	4995.5	572.01	4997.	572.14	4998.5	4997.	572.14	4998.5
BT	572.26	4993.98	572.26	572.27	5001.	572.3	5002.5	572.32	5004.	5002.5	572.32	5004.
BT	572.34	5005.5	572.36	572.36	5007.	573.86	5008.	573.95	5008.5	5008.	573.95	5008.5
BT	573.93	5010.	573.91	573.89	5013.	573.86	5014.98	573.86	5014.99	5014.98	573.86	5014.99
BT	573.86	5015.	573.86	576.96	5034.99	576.96	5035.	578.36	5059.99	5035.	578.36	5059.99
BT	578.36	5060.	578.16	578.16	5085.	579.12	5164.	580.28	5260.	5164.	580.28	5260.
BT	582.27	5307.	585.28	590.28	5482.	595.28	5659.	600.28	5829.	5659.	600.28	5829.
BT	0.1	0.32	0.1	0.3	0.18	4990.5	0.065	5009.5	0.18	0.065	5009.5	0.18
BT	4786.	4889.	4786.	4889.	0.	0.	0.	0.	0.	0.	0.	0.
BT	5499.	1.	5374.	5374.	7.11	4835.00	5240.00	0.00	0.00	5240.00	0.00	0.00
BT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cross Section Caldwell 115
Cross Section 0 (HSM Draft)

BT	14511.	20.	4990.5	5009.5	897.5	897.5	4766.	583.89	4786.	4766.	583.89	4786.
BT	600.	4551.	595.	4588.	595.	585.	4982.5	574.23	4999.5	4982.5	574.23	4999.5
BT	580.	4854.	579.76	4889.	579.03	575.43	5271.	580.	5475.	5271.	580.	5475.
BT	574.38	5000.	575.43	5003.5	575.03	579.57	5732.	600.	5874.	5732.	600.	5874.
BT	561.27	5458.	585.	5569.	590.	595.	0.	0.	0.	0.	0.	0.

NH	7.	1.	4801.	0.32	4908.	0.18	4990.5	0.065	5009.5	0.18
NH	5127.	1.	5198.	1.	5386.	0.	0.	3.	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 CALDWELL 116
Cross Section P (HSMW Draft)

XI	15393.	22.	4990.5	5009.5	972.	872.	872.	4735.	0.	4778.
GR	610.	4513.	605.	4572.	600.	4655.	595.	4954.	590.	4990.5
GR	587.33	4801.	585.	4821.	581.73	4902.	580.	5003.5	581.43	5003.5
GR	577.63	4992.5	576.63	4939.5	576.78	5000.	577.63	5169.	592.5	5198.
GR	530.	5052.	505.	5099.	567.	5177.	590.	0.	0.	0.
SR	595.	5227.	600.	5386.	0.	0.	0.	0.	0.	0.
NH	7.	1.	4729.	0.32	4849.	0.18	4990.5	0.065	5009.5	0.18
NH	5150.	0.32	5232.	1.	5377.	0.	0.	0.	0.	0.

Cross Section CALDWELL 117
Cross Section Q (HSMW Draft)

XI	16207.	20.	4990.5	5009.5	824.	824.	824.	4455.	0.	4518.
GR	610.	4152.	602.	4274.	4360.	4360.	595.	4980.5	590.	4989.5
GR	585.	4728.	585.	4729.	584.4	4848.	583.69	5089.5	584.91	5150.
GR	576.89	4999.5	579.04	4994.49	580.09	5003.5	583.69	5296.	600.	5377.
GR	585.	5160.	590.	5228.	590.29	5232.	595.	0.	0.	0.
NH	7.	1.	4910.	0.2	4955.	0.11	4989.5	0.065	5011.6	0.1
NH	5845.	0.21	5081.	1.	5576.	0.	0.	0.	0.	0.
XI	16494.	44.	4969.5	5011.6	287.	287.	287.	4671.	0.	4806.
GR	603.12	4408.	592.12	4556.	596.86	4585.	533.12	4955.	588.12	4989.5
GR	585.39	4910.	584.48	4944.49	584.48	4944.5	583.39	5005.49	581.03	5005.5
GR	579.79	4994.48	579.79	4994.49	579.78	4994.5	575.78	5011.59	579.98	5011.5
GR	579.68	4999.98	579.68	4995.99	579.93	5004.5	581.04	5029.71	582.08	5023.19
GR	581.58	5006.	581.59	5006.1	581.59	5006.11	582.08	5344.	591.67	5045.
GR	582.63	5017.09	582.03	5017.1	582.03	5017.7	582.03	5975.	0.	0.
GR	581.08	5023.2	581.64	5028.69	581.64	5028.7	581.58	0.	0.	0.
GR	584.3	5081.	584.48	5084.49	584.48	5084.5	586.12	0.	0.	0.
GR	593.12	5475.	597.81	5567.	598.12	5573.	603.12	0.	0.	0.

NH	7.	1.	4910.	0.3	0.5	0.11	4994.5	0.065	5028.7	0.1
NH	5845.	3.21	5681.	1.	5976.	0.	0.	0.	0.	0.
XI	16784.	44.	4999.5	5028.7	306.	306.	306.	872.	1715.	0.
GR	604.85	4408.	599.85	4556.	598.59	4555.	584.85	590.9	591.3	4806.
GR	587.12	4910.	586.21	4944.49	586.21	4944.5	585.42	4671.	589.85	4989.5
GR	581.52	4994.48	581.52	4994.49	581.51	4994.5	581.51	4955.	582.81	4989.5
GR	581.41	4999.98	581.41	4999.99	581.41	5004.5	582.77	5005.49	581.71	4999.
GR	583.51	5008.	583.32	5006.1	583.32	5006.11	583.81	5011.59	582.78	5005.5
GR	583.78	5017.09	583.76	5017.1	583.76	5017.7	583.76	5017.71	583.71	5011.6
GR	583.71	5023.2	583.37	5028.69	583.37	5028.7	583.31	5029.71	584.12	5023.19
GR	586.73	5281.	586.21	5084.49	586.21	5084.5	589.85	5344.	593.4	5045.

GR	594.85	5475.	599.54	5557.	599.85	5573.	604.85	5976.	0.	0.
SC	3.020	0.4C	3.00	0.00	9.0	11.0	44.0	8.1	581.61	581.51
SB	1.25	2.14	2.60	0.00	34.20	1.20	297.00	0.04	581.61	581.51
NH	7.	1.	4910.	0.2	4955.	0.11	4994.5	0.065	5028.7	0.1
NH	5045.	0.21	5081.	1.	5976.	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
PIONEER MILL ROAD (SR 1134)										
X1	16839.	44.	4994.5	5028.7	45.	45.	45.	0.00	0.00	0.00
X2	0.00	0.00	2.00	590.51	591.97	0.00	0.00	0.00	0.00	0.00
X3	10.	-44.								
BT	4408.	4671.	605.12	505.1	4556.	600.12	300.1	591.97	532.81	598.84
BT	4944.49	4944.49	595.12	595.1	4806.	591.97	590.1	4585.	598.86	597.37
BT	4999.5	4999.5	593.21	586.46	4944.5	593.21	585.46	4910.	592.9	585.67
BT	4999.98	4999.98	593.09	593.06	4994.48	593.09	581.77	4955.	593.18	581.77
BT	5005.45	5005.45	593.08	592.61	4994.51	593.08	581.63	4999.	593.09	589.
BT	5006.1	5006.1	593.06	590.61	4999.99	593.08	590.61	5004.5	593.07	590.61
BT	5011.6	5011.6	593.05	592.61	5005.5	593.06	581.61	5006.	593.06	583.55
BT	5017.7	5017.7	593.04	592.61	5005.11	593.06	590.61	5011.59	593.05	590.61
BT	5023.2	5023.2	593.02	590.61	5017.09	593.04	590.61	5017.1	593.04	581.61
BT	5029.71	5029.71	593.01	593.56	5017.71	593.04	590.61	5023.19	593.02	590.61
BT	5084.49	5084.49	592.81	586.46	5028.69	593.01	590.61	5028.7	593.01	581.61
BT	5437.	5437.	595.	593.65	5045.	592.95	584.46	5081.	592.82	586.28
BT	5573.	5573.	600.12	600.1	5976.	592.81	595.1	5344.	594.42	590.1
GR	605.1	4408.	600.12	4556.	5976.	605.12	605.1	0.	600.	599.79
GR	587.37	4910.	586.46	4944.49	598.04	4885.	595.1	0.	590.1	4806.
GR	581.77	4994.48	581.77	4994.49	586.46	4944.5	585.67	4955.	583.06	4989.5
GR	583.55	5006.	581.61	4999.99	581.61	4994.5	581.61	4999.	581.61	4999.
GR	581.61	5017.09	581.61	5006.1	581.61	5004.5	581.61	5005.49	581.61	5005.5
GR	581.61	5023.2	581.61	5017.1	581.61	5006.11	581.61	5011.59	581.61	5011.6
GR	586.28	5081.	586.46	5028.69	581.61	5017.7	581.61	5017.71	581.61	5023.19
GR	595.1	5475.	599.79	5557.	600.1	5028.7	590.1	5029.71	584.37	5045.
NH	7.	1.	4815.	0.2	4955.	0.11	4989.5	0.065	5011.6	0.1
NH	5045.	0.21	5081.	1.	5976.	0.	0.	0.	0.	0.
X1	16915.	44.	4989.5	5011.6	76.	76.	76.	0.	0.	0.
GR	605.2	4408.	600.2	4556.	598.94	4585.	595.2	4671.	590.2	4506.
GR	507.47	4910.	586.56	4944.49	586.56	4944.5	585.77	4955.	583.16	4889.5
GR	581.77	4994.48	581.87	4994.49	581.66	4994.5	581.86	4994.51	582.06	4999.
GR	581.76	4999.98	581.76	4999.99	581.66	5004.5	583.12	5005.49	583.13	5005.5
GR	583.66	5006.	593.67	5006.1	583.67	5006.11	584.16	5011.59	584.16	5011.6
GR	584.11	5017.09	584.11	5017.1	594.11	5017.7	584.11	5017.71	584.06	5023.19
GR	584.08	5023.2	583.72	5028.69	583.72	5028.7	583.66	5029.71	584.47	5045.
GR	586.38	5081.	586.56	5084.49	586.46	5084.5	590.2	5344.	593.75	5437.
GR	595.2	5475.	599.89	5557.	600.1	5575.	605.2	5976.	0.	0.

GR	621.08	5531.	625.	5596.	625.	5625.	0.	0.	0.	0.
NH	6.	0.19	4956.	0.12	4989.98	0.065	5007.5	0.12	5041.	0.2
NH	5071.	1.	5925.	0.	0.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4850.00	5110.00	0.00	0.00
X1	23603.	53.	4990.	5007.5	75.	75.	0.	0.	0.	0.
GR	825.16	4239.	825.16	4388.	625.16	4399.	620.58	4475.	620.16	4482.
GR	615.16	4549.	613.31	4572.	610.16	4611.	605.16	4658.	602.15	4764.
GR	600.16	4834.	599.77	4927.	599.72	4940.	599.65	4956.	599.51	4959.97
GR	599.51	4989.98	599.51	4989.99	599.51	4990.	599.5	4990.01	598.94	4991.
GR	599.94	4991.01	598.89	4991.1	597.81	4993.	597.51	4995.5	597.01	4997.
CR	597.21	4999.99	597.21	5000.	597.11	5003.	597.11	5005.	597.51	5006.7
GR	598.81	5007.5	598.82	5008.91	598.81	5008.97	598.81	5008.98	598.81	5008.99
GR	598.81	5009.	598.81	5009.01	598.81	5009.02	598.82	5009.1	600.16	5031.
GR	600.42	5041.	601.05	5065.	601.2	5071.	604.48	5197.	605.16	5223.
GR	610.16	5220.98	610.16	5321.	615.16	5399.	616.83	5437.	620.16	5513.
GR	621.24	5531.	625.16	5596.	625.16	5625.	0.	0.	0.	0.
MC										
NH	7.	1.3	4858.	0.1	0.3	0.143	4988.	0.065	5007.	0.143
NH	5074.	0.234	5120.	0.234	4924.	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 C-2
Cross Section X (HSMW Draft)

X1	24069.	25.	4988.	5007.	486.	406.	486.	4475.	0.	4519.
CR	635.	4315.	630.	4379.	625.	4427.	620.	4924.	615.	4988.
GR	610.	4574.	605.	4631.	603.91	4868.	603.65	5000.	603.36	5002.
GR	599.59	4991.	598.95	4994.5	598.	4998.99	598.	5245.	610.	5314.
GR	603.52	5007.	603.93	5074.	604.21	5120.	605.	5711.	635.	5825.
GR	615.	5400.	620.	5529.	625.	5637.	630.	0.	0.	0.
NH	7.	1.3	4868.	0.234	4924.	0.143	4988.	0.065	5007.	0.143
NH	5074.	0.234	5120.	1.3	5505.	0.	0.	0.	0.	0.

Cross Section D
Cross Section Y (HSMW Draft)

X1	24788.	25.	4988.	5007.	479.	679.	679.	4815.	0.	4708.
CR	625.	4356.	620.	4472.	615.	4550.	610.	4988.	605.	4991.
GR	604.87	4868.	604.56	4924.	604.45	4978.	604.75	5002.	600.98	5007.
GR	600.34	4994.5	599.39	4999.99	599.39	5000.	600.36	5290.	604.91	5350.
GR	604.06	5317.	604.27	5074.	604.43	5120.	605.	0.	610.	0.
GR	615.	5401.	620.	5445.	625.	5505.	0.	0.	0.	0.
NH	7.	1.3	4993.	0.26	4936.	0.143	4988.	0.065	5007.	0.143
NH	5065.	0.26	5111.	1.3	5715.	0.	0.	0.	0.	0.

Cross Section D-1
Cross Section Z (HSPM Draft)

XI	2E962.	22.	4268.	5007.	1094.	1094.	1094.		0.	
GR	635.	4531.	630.	4637.	625.	4686.	620.	4743.	615.	4777.
GR	610.	4847.	609.23	4883.	608.06	4938.	606.99	4988.	603.22	4991.
GR	602.58	4994.5	601.63	4999.99	601.63	5000.	602.6	5002.	607.15	5007.
GR	607.5	5065.	607.79	5111.	610.	5481.	615.	5543.	620.	5591.
GR	625.	5655.	630.	5715.	0.	0.	0.	0.	0.	0.
NH	7.	1.3	4283.	0.247	4943.	0.143	4989.5	0.065	5012.5	0.156
NH	5059.	0.26	5099.	1.3	5485.	0.	0.	0.	0.	0.

Cross Section E
Cross Section AA (HSPM Draft)

XI	26998.	25.	4989.5	5012.5	1136.	1136.	1136.		0.	
GR	635.	4399.	630.	4544.	625.	4602.	620.	4637.	615.	4684.
GR	611.42	4883.	610.34	4943.	609.68	4979.5	610.	4985.	609.98	4989.5
GR	604.39	4997.5	603.95	4999.99	603.96	5000.	604.22	5004.	604.03	5008.
GR	604.4	5010.	609.77	5012.5	610.	5014.	610.98	5017.5	609.22	5022.5
GR	615.	5059.	620.	5096.	620.1	5099.	625.	5252.	630.	5485.
NH	7.	1.3	4395.	0.247	4941.	0.143	4990.	0.065	5016.	0.182
NH	5065.	0.286	5107.	1.3	5466.	0.	0.	0.	0.	0.
QT	8.	0.23	1140.	1400.	2190.	1400.	286.	547.	1038.	

Cross Section F
Cross Section AB (HSPM Draft)

XI	28753.	23.	4990.	5016.	1755.	1755.	1755.		0.	
GR	640.	4491.	635.	4598.	620.	4621.	625.	4718.	620.34	4825.
GR	620.	4308.	617.86	4941.	615.	4984.99	614.91	4985.	615.	4990.
GR	610.47	4995.5	608.95	4999.99	608.95	5000.	610.48	5009.	615.	5016.
GR	615.	5025.	614.63	5021.	615.31	5065.	615.96	5107.	620.	5369.
GR	625.	5493.	635.	5446.	640.	5463.	0.	0.	0.	0.
NH	7.	1.3	4895.	0.247	4941.	0.143	4990.	0.065	5016.	0.182
NH	5065.	0.286	5107.	1.3	5441.	0.	0.	0.	0.	0.
ET	0.09	0.09	0.00	0.00	0.00	7.11	4960.00	5230.00	0.00	0.00

Cross Section F-1
Cross Section AC (HSPM Draft)

XI	29390.	18.	4990.	5016.	637.	637.	637.		0.	
GR	635.	4542.	630.	4604.	625.	4731.	620.	4532.	619.02	4895.
GR	610.3	4941.	617.54	4990.	613.01	4995.5	611.49	4999.99	611.40	5000.
GR	613.02	5009.	617.54	5016.	618.03	5065.	618.46	5107.	620.	5260.
GR	625.	5381.	630.	5414.	635.	5441.	0.	0.	0.	0.

RH	7.	1.3	4928.	0.273	4955.	0.156	4994.	0.065	5016.	0.156
RH	5056.	0.273	5091.	1.3	5475.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	7.11	4943.00	5271.00	0.00	0.00

Cross Section G

Cross Section AD (HSMW Draft)

XI	35246.	23.	4934.	5016.	856.	856.	856.	0.	0.	0.
GR	640	4848.	635.	4883.	4911.	626.46	625.	4928.	625.	4935.
GR	622.9	4955.	619.86	4984.	4986.	620.1	615.4	4994.	615.4	4997.
GR	614.9	4999.99	614.9	5000.	5003.	615.92	616.4	5007.	616.4	5012.
GR	620.27	5016.	620.06	5026.	5056.	621.14	625.	5091.	625.	5324.
GR	630.	5417.	635.	5456.	5475.	0.	0.	0.	0.	0.
RH	5.	1.3	4884.	0.273	4926.	4954.	4954.	0.065	5016.	0.156
RH	5054.	1.3	5313.	0.	0.	0.	0.	0.	0.	0.
ET	0.00	0.00	0.00	0.00	0.00	4895.00	5073.00	5073.00	0.00	0.00

Cross Section G-1

Cross Section AE (HSMW Draft)

XI	31227.	18.	4994.	5015.	991.	991.	991.	4884.	0.	4926.
GR	645.	4502.	640.	4540.	4737.	630.94	629.82	5000.	623.3	5003.
GR	628.	4394.	623.3	4997.	4999.99	622.8	623.3	5054.	635.	5175.
GR	623.62	5007.	624.3	5012.	5016.	629.8	635.	0.	0.	0.
GR	546.	5238.	645.	5275.	5313.	0.	0.	0.	0.	0.

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T1 Hayes, Seay, Mattem & Mattem Cabarrus County, NC FIS
 T2 Proj. No. EMJ-90-C-3101 Eng:LOM/EKL ET:TFH Coma. No. 23/3
 T3 Caldwel? Creek (CAC.IN) Date: 10/14/91 100-Year Floodway

J1 ICHECK INQ NTRV IDIR STRT METRIC HVINS Q WSEL FQ

5.0 539.89

J2 MPROF IPLOT PRFYS XSECV XSECH FX ALLDC IBW CHMFM ITRACE

15. -1.0

THIS RUN EXECUTED 14OCT91 15:11:34

 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

Caldwell Creek (CAC.IN)
 SUMMARY PRINTOUT TABLE 110

SECTNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QRQB	PERENC	STENCL	STCHL	STCHR	STENCR
87.009	539.89	-.11	540.30	560.12	441.48	2686.08	785.44	.00	.00	4982.50	5028.00	.00
87.000	539.89	.00	540.62	149.87	80.67	3270.75	561.58	.23	4964.49	4982.50	5028.00	5114.36
1030.000	542.63	.00	542.87	378.23	747.73	2307.04	858.23	.00	.00	4977.00	5026.00	.00
* 1030.000	543.45	.82	543.79	160.31	520.81	2740.87	651.32	.20	4926.78	4977.00	5026.00	5087.10
* 1902.000	545.43	.00	546.09	280.86	986.84	2683.77	242.39	.00	.00	4977.50	5022.50	.00
* 1902.000	546.22	.79	546.90	150.00	1009.88	2891.92	11.20	150.00	4875.00	4977.50	5022.50	5025.00
2580.500	550.39	.00	551.14	254.89	428.59	3483.76	.65	.00	.00	4963.00	5038.00	.00
2580.500	550.66	.27	551.52	125.00	35.96	3551.04	.00	125.00	4900.00	4963.00	5038.00	5025.00
2880.500	552.72	.00	553.84	275.17	962.19	2787.15	163.66	.00	.00	4988.00	5019.00	.00
2880.500	553.00	.28	554.26	125.00	883.13	2956.32	73.55	125.00	4900.00	4988.00	5019.00	5025.00
* 2900.500	555.84	.00	556.11	416.80	1511.10	2055.65	346.26	.00	.00	4988.00	5019.00	.00
* 2900.500	555.51	.67	556.95	125.00	1338.17	2493.88	80.95	125.00	4900.00	4988.00	5019.00	5025.00
* 2976.500	556.08	.00	556.28	417.01	746.83	3093.17	72.99	.00	.00	4963.00	5038.00	.00
* 2976.500	556.88	.82	557.18	125.00	572.51	3340.49	.00	125.00	4900.00	4963.00	5038.00	5025.00
3676.000	557.16	.00	557.46	290.42	324.49	2593.64	994.87	.00	.00	4977.50	5022.50	.00
3676.000	558.09	.93	558.43	134.62	100.11	2861.23	951.66	.13	4966.52	4977.50	5022.50	5101.14
4435.000	558.58	.00	558.76	622.26	1434.16	2198.49	280.35	.00	.00	4977.50	5024.00	.00
4435.000	559.51	.93	559.66	394.00	1734.74	2178.26	.00	394.00	4630.00	4977.50	5024.00	5024.00
* 5415.000	560.51	.00	560.93	219.60	154.37	3551.45	197.18	.00	.00	4955.00	5032.00	.00
* 5415.000	561.38	.96	561.83	77.00	.00	3913.00	.00	.12	4955.00	4955.00	5032.00	5032.00
6059.000	562.32	.00	562.55	248.11	47.68	3290.21	575.11	.00	.00	4954.00	5043.00	.00
6059.000	563.28	.97	563.60	32.37	.00	3894.01	18.98	.17	4954.00	4954.00	5043.00	5046.37

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SECNO	CVSEL	OIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
6957.000	564.18	.00	564.44	214.68	63.97	3821.44	27.59	.00	.00	4944.00	5066.00	.00
6957.300	565.14	.96	565.36	122.00	.00	3913.00	.00	.03	4944.00	4944.00	5066.00	5066.00
7889.000	566.84	.00	567.21	247.72	746.53	2656.73	509.74	.00	.00	4979.00	5033.00	.00
* 7889.000	567.40	.56	567.96	103.73	507.91	3168.25	236.84	.19	4950.16	4979.00	5033.00	5053.89
8855.000	570.41	.00	570.85	231.11	407.90	3408.99	96.11	.00	.00	4973.00	5041.00	.00
8855.000	571.36	.95	571.89	71.89	24.30	3888.20	.00	.14	4969.11	4973.00	5041.00	5041.00
9522.000	572.66	.00	572.93	270.18	924.56	2201.82	786.62	.00	.00	4980.50	5019.50	.00
9522.000	573.60	.94	573.91	148.60	838.78	2421.71	652.50	.12	4923.79	4980.50	5019.50	5072.39
10409.000	574.67	.00	574.82	397.38	1205.69	1670.59	1036.72	.00	.00	4982.50	5017.50	.00
10409.000	575.52	.85	575.71	175.39	1087.77	1905.84	919.38	.17	4905.34	4982.50	5017.50	5080.74
12198.000	577.68	.00	577.86	330.35	224.91	2814.40	873.69	.00	.00	4959.00	5041.00	.00
12198.000	578.53	.85	578.77	150.00	65.54	3292.15	555.31	150.00	4950.00	4959.00	5041.00	5100.00
* 13103.000	579.89	.00	580.02	758.43	1540.63	1211.25	1161.12	.00	.00	4983.50	5016.50	.00
* 13103.000	580.76	.87	580.96	325.00	1525.74	1483.18	904.07	325.00	4800.00	4983.50	5016.50	5125.00
* 13492.000	581.49	.00	581.90	681.75	722.07	1636.38	1071.55	.00	.00	4988.00	5013.00	.00
13492.000	582.29	.80	582.68	300.00	660.56	1697.51	1071.93	300.00	4850.00	4988.00	5013.00	5150.00
* 13512.000	581.56	.00	581.90	684.00	765.13	1547.21	1117.66	.00	.00	4988.00	5013.00	.00
* 13512.000	582.52	.96	582.83	300.00	714.35	1586.80	1128.85	300.00	4850.00	4988.00	5013.00	5150.00
* 13613.000	582.14	.00	582.32	694.50	407.03	2548.94	474.02	.00	.00	4960.00	5060.00	.00
* 13613.000	582.98	.84	583.16	300.00	289.93	2745.55	394.52	300.00	4850.00	4960.00	5060.00	5150.00
14511.000	584.36	.00	584.41	779.47	708.13	636.58	2085.29	.00	.00	4990.50	5009.50	.00
14511.000	585.04	.68	585.13	405.00	916.26	782.27	1731.47	405.00	4835.00	4990.50	5009.50	5240.00
* 15383.000	587.07	.00	587.31	324.62	1366.63	1103.99	959.38	.00	.00	4990.50	5009.50	.00
* 15383.000	588.02	.96	588.38	146.67	1322.09	1331.40	776.51	.23	4909.39	4990.50	5009.50	5056.06
* 15207.000	590.00	.00	590.08	710.10	1561.90	777.85	1090.25	.00	.00	4990.50	5009.50	.00
* 15207.000	591.05	1.04	591.15	301.86	1557.57	916.56	955.87	.23	4811.30	4990.50	5009.50	5113.16
16494.000	590.59	.00	590.70	669.18	1060.37	1037.40	1332.23	.00	.00	4989.50	5011.60	.00
16494.000	591.59	1.00	591.78	134.08	952.95	1208.75	1268.30	.19	4942.30	4989.50	5011.60	5076.38
* 16794.000	591.24	.00	591.47	260.01	1106.00	1413.00	.00	.00	.00	4994.50	5028.70	.00
* 16794.000	592.22	.98	592.56	69.47	575.57	1707.05	236.38	.40	4970.55	4994.50	5028.70	5040.03
* 16839.000	592.68	.00	592.83	292.22	1017.76	1501.23	.00	.00	.00	4994.50	5028.70	.00
16839.000	593.57	.89	593.81	69.47	498.00	1825.94	195.07	.37	4970.56	4994.50	5028.70	5040.03
16915.000	592.69	.00	592.95	661.17	783.45	753.28	982.26	.00	.00	4989.50	5011.60	.00
16915.000	593.86	.97	593.95	135.24	696.21	880.86	941.93	.18	4943.08	4989.50	5011.60	5078.32

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SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QZCS	PERENC	STENCL	STCHL	STCHR	STENCR
17800.000	593.83	.00	593.89	528.74	1077.05	683.44	758.50	.00	.00	4990.50	5011.00	.00
17800.000	594.81	.98	594.90	154.11	1060.63	804.54	653.84	.19	4904.69	4990.50	5011.00	5058.80
18686.000	595.10	.00	595.21	418.93	573.73	832.57	1112.70	.00	.00	4990.50	5011.00	.00
18686.000	596.08	.98	596.24	138.60	438.04	983.58	1097.38	.20	4959.18	4990.50	5011.00	5097.79
19511.000	596.97	.00	597.14	344.95	792.18	1024.57	702.26	.00	.00	4990.50	5008.00	.00
19511.000	597.95	.96	598.20	102.13	711.82	1216.68	590.50	.20	4942.33	4987.00	5008.00	5044.46
20671.000	600.08	.00	600.19	653.05	853.36	820.62	845.02	.00	.00	4987.00	5008.00	.00
20671.000	601.11	1.03	601.27	188.50	776.13	982.00	760.87	.22	4905.10	4987.00	5008.00	5093.60
21851.000	603.87	.00	603.97	492.19	1113.49	589.85	815.66	.00	.00	4995.50	5009.50	.00
21851.000	604.86	.99	605.05	151.25	1096.25	713.46	709.29	.24	4914.04	4995.50	5009.50	5065.29
* 22813.000	606.69	.00	606.74	559.68	1023.14	533.72	962.14	.00	.00	4995.50	5009.50	.00
* 22813.000	607.55	.87	607.62	240.00	1017.20	576.75	925.04	240.00	4870.00	4995.50	5009.50	5110.00
* 23206.000	607.12	.00	607.14	639.82	1559.82	431.95	527.23	.00	.00	4990.00	5007.50	.00
* 23206.000	608.03	.91	608.07	260.00	1274.36	574.73	669.90	260.00	4850.00	4990.00	5007.50	5110.00
23506.000	607.28	.00	607.30	631.26	1400.49	397.87	474.64	.00	.00	4990.00	5007.50	.00
23506.000	608.25	.97	608.29	260.00	1148.75	522.41	601.84	260.00	4850.00	4990.00	5007.50	5110.00
* 23507.000	607.20	.00	607.39	628.69	1205.16	604.58	463.26	.00	.00	4991.00	5009.10	.00
* 23507.000	608.24	1.04	608.30	260.00	1546.94	398.67	329.19	260.00	4850.00	4991.00	5009.10	5110.00
23527.000	607.49	.00	607.63	637.23	1237.56	562.25	473.20	.00	.00	4991.00	5009.10	.00
23527.000	608.31	.82	608.37	260.00	1543.94	396.26	332.90	260.00	4850.00	4991.00	5009.10	5110.00
* 23528.000	607.65	.00	607.67	641.80	1409.04	387.96	475.98	.00	.00	4990.00	5007.50	.00
* 23528.000	608.34	.69	608.38	260.00	1149.23	521.05	602.72	260.00	4850.00	4990.00	5007.50	5110.00
23603.000	607.68	.00	607.70	638.14	1406.16	391.30	475.53	.00	.00	4990.00	5007.50	.00
23603.000	608.39	.71	608.43	260.00	1148.62	522.77	601.61	260.00	4850.00	4990.00	5007.50	5110.00
* 24089.000	608.10	.00	608.21	693.69	842.43	730.87	699.70	.00	.00	4988.00	5007.00	.00
* 24089.000	608.92	.82	609.11	172.79	782.11	895.87	555.02	.26	4899.50	4988.00	5007.00	5072.29
24768.000	609.78	.00	609.83	728.01	818.75	589.60	865.65	.00	.00	4988.00	5007.00	.00
24768.000	610.73	.95	610.82	203.70	759.11	709.93	803.96	.23	4893.31	4988.00	5007.00	5097.01
25862.000	612.32	.00	612.46	695.25	570.58	821.99	880.43	.00	.00	4988.00	5007.00	.00
25862.000	613.29	.97	613.50	153.95	434.60	981.57	856.62	.25	4945.92	4988.00	5007.00	5099.88
26998.000	615.74	.00	615.96	387.47	815.50	1197.12	260.38	.00	.00	4989.50	5012.50	.00
26998.000	616.74	.99	617.03	104.98	803.70	1400.22	69.09	.21	4914.17	4989.50	5012.50	5019.16
28753.000	619.93	.00	620.06	455.02	180.24	835.96	374.79	.00	.00	4990.00	5016.00	.00
28753.000	620.96	1.02	621.14	88.78	69.59	1002.60	327.81	.24	4979.34	4990.00	5016.00	5068.13

SEMO	CUSEL	DIFKMS	EG	TOPWD	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
29390.000	621.26	.00	621.43	483.89	283.45	844.14	272.41	.00	.00	4990.00	5016.00	.00
29390.000	622.17	.91	622.33	270.00	155.38	888.16	356.46	270.00	4960.00	4990.00	5016.00	5230.00
30246.000	624.13	.00	624.40	327.85	164.44	882.77	352.79	.00	.00	4994.00	5016.00	.00
30246.000	624.43	.30	624.66	328.00	175.13	854.14	370.73	328.00	4943.00	4994.00	5016.00	5271.00
31237.000	630.66	.00	631.45	178.68	190.60	1112.17	97.23	.00	.00	4994.00	5016.00	.00
31237.000	630.41	-.24	631.36	164.39	163.36	1153.59	83.05	178.00	4895.00	4994.00	5016.00	5073.00

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SUMMARY OF ERRORS AND SPECIAL NOTES

CAUTION SECNO= 13512.000 PROFILE= 1 HYDRAULIC JUMP D.S.
CAUTION SECNO= 13512.000 PROFILE= 2 HYDRAULIC JUMP D.S.

FLOODWAY DATA, Caldwell Creek (CAC.IN)
PROFILE NO. 2

REGULATORY

STATION	WIDTH	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE	
				WITH FLOODWAY	WITHOUT FLOODWAY		
A 87.000	150.	873.	4.5	539.9	539.9	.0	544.5
B 1030.000	160.	1333.	2.9	543.4	542.6	.8	544.5
C 1902.000	150.	932.	4.2	546.2	545.4	.8	548.4
2580.500	125.	683.	5.7	550.7	550.4	.3	
2880.500	125.	738.	5.3	553.0	552.7	.3	
2900.500	125.	1158.	3.4	556.5	555.8	.7	
2976.500	125.	1194.	3.3	556.9	556.1	.8	
3676.000	135.	1186.	3.3	558.1	557.2	.9	557.2
D 4450.000	394.	2388.	1.6	559.5	558.6	.9	558.6
E 5415.000	77.	722.	5.4	561.4	560.5	.9	560.5
F 6059.000	92.	828.	4.7	563.3	562.3	1.0	562.3
G 6957.000	122.	1037.	3.8	565.2	564.2	1.0	564.2
H 7899.000	104.	849.	4.6	567.4	566.8	.6	566.8
I 8855.000	72.	685.	5.7	571.4	570.4	1.0	570.4
J 9522.000	149.	1374.	2.8	573.6	572.7	.9	572.7
K 10409.000	175.	1740.	2.2	575.6	574.7	.9	574.7
L 12198.000	150.	1302.	3.0	578.6	577.7	.9	577.7
M 13103.000	325.	1920.	2.0	580.8	579.9	.9	579.9
13492.000	200.	1375.	2.5	582.3	581.5	.8	
13512.000	300.	1445.	2.4	582.6	581.6	1.0	
13613.000	300.	1502.	2.3	582.9	582.1	.8	
14511.000	405.	2344.	1.5	585.1	584.4	.7	584.4
15383.000	147.	1115.	3.1	588.1	587.1	1.0	587.1
16207.000	302.	2154.	1.6	591.0	590.0	1.0	590.0
16494.000	134.	1240.	2.8	591.6	590.6	1.0	
16784.000	69.	628.	4.0	592.2	591.2	1.0	
16839.000	69.	761.	3.3	593.6	592.7	.9	
18915.000	135.	1275.	2.0	593.9	592.9	1.0	
17600.000	154.	1326.	1.9	594.8	593.6	1.0	593.6
18586.000	139.	1121.	2.2	598.1	595.1	1.0	595.1
19511.000	102.	844.	3.0	598.0	597.0	1.0	597.0
20671.000	189.	1336.	1.9	601.1	600.1	1.0	600.1
21351.000	151.	976.	2.6	604.9	603.9	1.0	603.9
22213.000	240.	1801.	1.4	607.6	606.7	.9	606.7
23206.000	280.	2240.	1.1	608.0	607.1	.9	
23506.000	250.	2176.	1.0	608.3	607.3	1.0	
23507.000	260.	1443.	1.6	608.2	607.2	1.0	
23527.000	250.	1461.	1.6	609.3	607.5	.8	
23528.000	260.	2195.	1.0	608.3	607.6	.7	
23593.000	260.	2170.	1.0	608.4	607.7	.7	
24489.000	173.	927.	2.3	608.9	608.1	.8	
24768.000	204.	1349.	1.7	610.8	609.6	1.0	

REGULATORY

FLOODWAY DATA: Caldwell Creek (CAC.IN)
PROFILE NO. 2

STATION	WIDTH	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WATER SURFACE ELEVATION WITHOUT FLOODWAY	DIFFERENCE
2+25862.000	154.	977.	2.3	613.3	612.3	1.0
2+25998.000	105.	793.	2.9	615.7	615.7	1.0
2+2753.000	89.	628.	2.2	620.9	619.9	1.0
2+2890.000	270.	1111.	1.3	622.2	621.3	.9
2+3046.000	328.	935.	1.5	624.4	624.1	.3
2+31237.000	184.	301.	4.6	630.5	630.7	-.2

612.3
615.7
619.9
621.3
624.1
630.5