

SPAINHOUR CREEK



THIS RUN EXECUTED 02-17-86 01:14:57

 HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
 ERROR CORR - 01,02,03,04,05,06
 MODIFICATION - 50,51,52,53,54,55,56
 IBM-PC-XT VERSION AUGUST 1985

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C
T1 HAYES, SEAY, MATTERN & MATTERN CALDWELL CO/LENOIR, NC FIS
T2 FILENAME: SP.HEC ENG: SKE EA: PSJ COMM 2320
T3 SPAINHOUR CREEK DATE: 02/18/86 10-YEAR EVENT

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ
    0. 2. 0. 0. .006500 .00 .0 0. 117.000 .000

J2 NPROF IPLOT PRFVS XSECV XSECH FH ALLDC IBW CHNIM ITRACE
    1.000 .000 -1.000 .000 .000 .000 .000 .000 .000 .000

J3 VARIABLE CODES FOR SUMMARY PRINTOUT
    150.000 .000 .000 .000 .000 .000 .000 .000 .000 .000

J6 IHLEQ ICOPY
    1.000 .000 .000 .000 .000 .000 .000 .000 .000 .000

QT 5.000 360.000 630.000 750.000 1100.000 495.000 750.000 .000 .000 .000
NC .100 .100 .050 .100 .300 .000 .000 .000 .000 .000
NH 4.000 .180 4999.990 .052 5019.200 .150 5243.000 .100 5863.000 .000
ET .000 .000 .000 .000 .000 .000 8.100 4999.000 5170.000 .000

FRIST BRIDGE CROSS SECTION FOR BRIDGE #1

X1 190.200 22.000 4999.990 5019.200 45.200 140.200 190.200 .000 .520 .000
GR 140.000 4740.000 135.000 4762.000 130.000 4795.000 125.000 4850.000 120.000 4900.000
GR 117.250 4999.990 113.330 5000.000 112.120 5003.200 111.690 5007.200 112.120 5011.200
GR 113.960 5012.200 115.260 5016.940 115.270 5016.950 115.200 5019.190 116.870 5019.200
GR 115.000 5243.000 115.000 5273.000 120.000 5291.000 125.000 5474.000 130.000 5583.000
GR 135.000 5806.000 140.000 5863.000 .000 .000 .000 .000 .000 .000

NH 4.000 .180 4999.990 .052 5019.200 .150 5243.000 .100 5863.000 .000
ET .000 .000 .000 .000 .000 .000 8.110 4999.000 5170.000 .000
X1 270.000 .000 .000 .000 79.800 79.800 79.800 .000 .520 .000
X3 10.000 .000 .000 .000 .000 .000 .000 117.250 116.870 .000
    
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02-17-86 01:14:56

BRIDGE #2	WIDTH:8	SKEW:85	EL/C:115.75										
NC	.000	.000	.300	.500	.000	.000	.000	.000	.000	.000	.000	.000	.000
NH	4.000	5004.000	.052	5022.000	.150	5112.000	100.000	5575.000	100.000	5575.000	100.000	5575.000	.000
ET	.000	.000	.000	.000	.000	8.110	5004.000	5154.000	5004.000	5154.000	5004.000	5154.000	.000
X1	425.350	.000	.000	64.500	74.500	87.000	118.740	119.030	118.740	119.030	118.740	119.030	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
NH	4.000	5004.000	.052	5022.000	.150	5112.000	100.000	5575.000	100.000	5575.000	100.000	5575.000	.000
ET	.000	.000	.000	.000	.000	8.110	5004.000	5154.000	5004.000	5154.000	5004.000	5154.000	.000

X1	426.350	.000	.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.000
BT	-23.000	4681.000	140.000	4713.000	135.000	135.000	4726.000	130.000	4726.000	130.000	4726.000	130.000	130.000
BT	.000	4751.000	125.000	4785.000	120.000	120.000	5030.000	119.230	5030.000	119.230	5030.000	119.230	119.230
BT	.000	5004.000	119.220	5005.750	119.200	117.500	5005.760	119.260	5005.760	119.260	5005.760	119.260	117.500
BT	.000	5010.000	119.160	5013.000	119.130	117.430	5016.000	119.090	5016.000	119.090	5016.000	119.090	117.390
BT	.000	5017.000	119.080	5019.500	119.060	117.360	5019.510	119.060	5019.510	119.060	5019.510	119.060	117.360
BT	.000	5022.000	119.330	5112.000	119.130	119.130	5247.000	115.000	5247.000	115.000	5247.000	115.000	115.000
BT	.650	5330.000	120.000	5343.000	125.000	125.000	5415.000	130.000	5415.000	130.000	5415.000	130.000	130.000
BT	.000	5507.000	135.000	5575.000	140.000	140.000	.000	.000	.000	.000	.000	.000	.000
NH	4.000	5004.000	.052	5022.000	.150	5112.000	100.000	5575.000	100.000	5575.000	100.000	5575.000	.000
ET	.000	.000	.000	.000	.000	8.110	5004.000	5154.000	5004.000	5154.000	5004.000	5154.000	.000
X1	433.650	.000	.000	7.300	7.300	7.300	.000	.000	.000	.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	1.000	.000	.000	.000	.000	.000	.000	.000
NH	4.000	5004.000	.052	5022.000	.150	5112.000	100.000	5575.000	100.000	5575.000	100.000	5575.000	.000
ET	.000	.000	.000	.000	.000	8.110	5004.000	5154.000	5004.000	5154.000	5004.000	5154.000	.000
X1	434.650	.000	.000	1.000	1.000	1.000	.000	.000	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	118.740	119.030	118.740	119.030	118.740	119.030	.000
NH	4.000	5004.000	.052	5022.000	.180	5247.000	100.000	5575.000	100.000	5575.000	100.000	5575.000	.000
ET	.000	.000	.000	.000	.000	8.110	5004.000	5154.000	5004.000	5154.000	5004.000	5154.000	.000

LAST BRIDGE CROSS SECTION FOR BRIDGE #2

X1	455.650	25.000	5004.000	5022.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	.000
GR	140.000	4681.000	135.000	4713.000	130.000	4726.000	125.000	4751.000	120.000	4785.000	120.000	4785.000	4785.000
GR	119.230	5000.000	118.740	5004.000	117.500	5005.750	117.490	5005.760	117.490	5005.760	117.490	5005.760	5010.000
GR	114.470	5013.000	114.570	5016.000	115.800	5017.000	117.350	5019.500	117.350	5019.500	117.350	5019.500	5019.510
GR	119.030	5022.000	119.130	5112.000	115.000	5247.000	120.000	5330.000	125.000	5343.000	125.000	5343.000	5343.000
GR	130.000	5415.000	135.000	5507.000	140.000	5575.000	.000	.000	.000	.000	.000	.000	.000
NC	.100	.100	.050	.300	.000	.000	.000	.000	.000	.000	.000	.000	.000
NH	4.000	5095.000	.052	5127.000	.180	5247.000	100.000	5575.000	100.000	5575.000	100.000	5575.000	6358.000
ET	.000	.000	.000	.000	.000	8.110	5095.000	5245.000	5095.000	5245.000	5095.000	5245.000	.000

LAST BRIDGE CROSS SECTION FOR BRIDGE #11 (SOUTHER RR)

X1	1016.000	21.000	4999.990	5036.010	35.000	35.000	35.000	.000	.260	.000
GR	140.000	4830.000	135.000	4865.000	130.000	4885.000	125.130	4903.000	125.000	4999.990
GR	121.390	5001.510	120.240	5004.000	120.020	5004.500	120.120	5017.000	120.240	5022.000
GR	120.240	5022.010	120.240	5023.000	120.240	5023.010	120.240	5028.000	120.910	5032.000
GR	122.190	5034.000	122.190	5035.000	125.230	5036.010	130.000	5286.000	135.000	5344.000
GR	140.000	5411.000	.000	.000	.000	.000	.000	.000	.000	.000
HC	.180	.180	.085	.100	.300	.000	.000	.000	.000	.000

CROSS SECTION SPG

FIRST CROSS SECTION FOR PIPE AT X-SECTION SPG

X1	2784.800	24.000	5000.000	5015.000	1748.830	1703.830	1768.800	.000	-.390	.000
GR	145.000	4936.000	140.000	4971.000	137.100	5000.000	136.700	5000.010	133.690	5001.000
GR	132.200	5003.000	131.820	5006.000	131.980	5009.000	132.030	5011.000	136.430	5012.000
GR	137.180	5015.000	136.570	5035.000	136.870	5059.000	136.160	5069.000	135.540	5076.000
GR	136.280	5083.000	139.010	5097.000	138.260	5103.000	139.230	5117.000	140.090	5131.000
GR	141.210	5145.000	141.210	5151.000	141.740	5151.010	145.000	5183.000	.000	.000
HC	.180	.180	.085	.300	.500	.000	.000	.000	.000	.000
X1	2843.800	.000	.000	.000	59.000	59.000	59.000	.000	.390	.000
X5	10.000	.000	.000	.000	.000	.000	.000	137.100	137.180	.000

PIPE

WIDTH: .34

SKEW: 1

ELL: 131.82

X1	2844.800	.000	.000	.000	1.000	1.000	1.000	.000	.000	.000
BT	-24.000	4936.000	145.000	145.000	4971.000	140.000	140.000	5000.000	137.100	137.100
BT	.000	5000.010	137.100	136.700	5001.000	137.040	136.700	5003.000	136.930	136.590
BT	.000	5006.000	136.770	136.430	5009.000	136.600	136.260	5011.000	136.490	136.150
BT	.000	5012.000	136.430	136.430	5015.000	137.180	137.180	5035.000	136.570	136.570
BT	.000	5059.000	136.870	136.870	5069.000	136.160	136.160	5076.000	135.540	135.540
BT	.000	5083.000	136.280	136.280	5097.000	139.010	139.010	5103.000	138.260	138.260
BT	.000	5117.000	139.230	139.230	5131.000	140.090	140.090	5145.000	141.210	141.210
BT	.000	5151.000	141.740	141.210	5151.010	141.740	141.740	5183.000	145.000	145.000
X1	2845.200	.000	.000	.000	1.000	1.000	1.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	1.000	.000	.000	.000
X1	2846.200	.000	.000	.000	1.000	1.000	1.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	137.100	137.180	.000

LAST CROSS SECTION FOR PIPE AT X-SECTION SPG

NC .100 .150 .085 .100 .300 .000 .000 .000 .000 .000

FRIST BRIDGE CROSS SECTION FOR BRIDGE #10 (US 321)

X1	4260.000	21.000	4999.990	5012.510	713.160	718.160	722.700	.000	-1.810	.000
GR	175.000	4520.000	170.000	4590.000	165.000	4760.000	160.000	4820.000	158.380	4999.990
GR	158.380	5000.000	157.590	5001.000	150.860	5001.010	150.440	5008.000	150.620	5009.000
GR	150.860	5011.000	151.750	5011.010	151.930	5011.500	157.730	5011.510	157.730	5012.500
GR	158.520	5012.510	160.000	5182.500	165.000	5212.500	168.330	5232.500	170.000	5242.500
GR	175.000	5377.500	.000	.000	.000	.000	.000	.000	.000	.000

NC	.100	.150	.085	.300	.500	.000	.000	.000	.000	.000
X1	4309.000	.000	.000	.000	49.000	49.000	49.000	.000	1.810	.000
X3	10.000	.000	.000	.000	.000	.000	.000	166.260	166.400	.000
SB	1.250	2.420	2.600	.000	7.390	.000	73.000	.348	150.390	150.390

BRIDGE #10 WIDTH:11.5 SKEW:75
ELLG:157.73

X1	4440.000	.000	.000	.000	131.000	131.000	131.000	.000	.000	.000
X2	.000	.000	1.000	157.730	166.260	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	166.260	166.400	.000
BT	-21.000	4520.000	175.000	175.000	4590.000	170.000	170.000	4760.000	168.450	165.000
BT	.000	4820.000	167.900	160.000	4999.990	166.260	158.380	5000.000	166.260	158.380
BT	.000	5001.000	166.270	157.590	5001.010	166.270	157.590	5008.000	166.350	157.680
BT	.000	5009.000	166.360	157.700	5011.000	166.380	157.720	5011.010	166.380	157.720
BT	.000	5011.500	166.390	157.730	5011.510	166.390	157.730	5012.500	166.400	157.730
BT	.000	5012.510	166.400	158.520	5182.500	169.180	160.000	5212.500	169.670	165.000
BT	.000	5232.500	170.000	168.330	5242.500	170.160	170.000	5377.500	175.000	175.000
ET	.000	.000	.000	.000	.000	.000	8.100	4950.000	5050.000	.000

LAST BRIDGE CROSS SECTION FOR BRIDGE #10 (US 321)

X1	4452.500	21.000	4999.990	5012.510	12.500	12.500	12.500	.000	.570	.000
GR	175.000	4520.000	170.000	4590.000	165.000	4760.000	160.000	4820.000	158.380	4999.990
GR	158.380	5000.000	157.590	5001.000	150.860	5001.010	150.440	5008.000	150.620	5009.000
GR	150.860	5011.000	151.750	5011.010	151.930	5011.500	157.730	5011.510	157.730	5012.500
GR	158.520	5012.510	160.000	5182.500	165.000	5212.500	168.330	5232.500	170.000	5242.500
GR	175.000	5377.500	.000	.000	.000	.000	.000	.000	.000	.000
MC	.010	.100	.050	.100	.300	.000	.000	.000	.000	.000
NR	4.000	100.000	5304.750	.100	5368.750	.085	5383.750	.150	5503.000	.000
ET	.000	.000	.000	.000	.000	.000	10.410	.000	.000	.000

CROSS SECTION SPH

X1	4885.000	32.000	5368.750	5383.750	447.000	432.000	432.500	.000	.000	.000
GR	175.000	5000.000	170.000	5082.000	165.000	5149.000	161.390	5203.750	159.790	5205.750
GR	159.190	5208.750	160.340	5213.750	160.640	5220.750	160.160	5234.750	159.800	5248.750
GR	159.500	5262.750	159.640	5276.750	159.650	5290.750	159.680	5304.750	159.510	5318.750
GR	158.930	5332.750	158.880	5337.750	158.420	5353.750	158.180	5358.780	157.640	5366.750

THIS RUN EXECUTED 02-17-86 01:18:13

 HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
 ERROR CORR - 01,02,03,04,05,06
 MODIFICATION - 50,51,52,53,54,55,56
 IBM-PC-XT VERSION AUGUST 1985

T1	HAYES, SEAY, MATTERN & MATTERN			CALDWELL CO/LENOIR, NC FIS						
T2	FILENAME: SP.HEC		ENG: SKE	EA: PSJ	COM# 2320					
T3	SPAINKOUR CREEK		DATE: 02/18/86		500-YEAR EVENT					

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	0.	5.	0.	0.	.006500	.00	.0	0.	117.600	.000

J2	NPROF	JPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	.000	-1.000	.000	.000	.000	.070	.000	.000	.000

THIS RUN EXECUTED 02-17-86 01:19:04

 HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
 ERROR CORR - 01,02,03,04,05,06
 MODIFICATION - 50,51,52,53,54,55,56
 IBM-PC-XT VERSION AUGUST 1985

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

SPAINHOUR CREEK

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01K
190.200	.00	.00	.00	111.17	360.00	115.74	.00	115.93	66.29	4.18	194.62	44.22
190.200	.00	.00	.00	111.17	630.00	116.42	.00	116.60	65.13	4.57	363.25	78.06
190.200	.00	.00	.00	111.17	750.00	116.63	.00	116.81	65.93	4.74	420.28	92.37
190.200	.00	.00	.00	111.17	1100.00	117.15	.00	117.33	65.80	5.13	571.22	135.60
270.000	79.80	.00	.00	111.69	360.00	116.24	.00	116.82	141.51	6.09	59.14	30.26
270.000	79.80	.00	.00	111.69	630.00	116.94	.00	117.12	65.16	4.57	363.17	78.04
270.000	79.80	.00	.00	111.69	750.00	117.15	.00	117.33	65.30	4.72	421.99	92.82
270.000	79.80	.00	.00	111.69	1100.00	117.68	.00	117.86	65.36	5.12	572.73	136.06
271.000	1.00	115.00	140.00	111.69	360.00	116.85	.00	116.88	76.97	2.18	306.16	41.03
271.000	1.00	115.00	140.00	111.69	630.00	117.09	.00	117.14	135.08	2.68	373.92	54.21
271.000	1.00	115.00	140.00	111.69	750.00	117.30	.00	117.35	123.28	2.54	431.26	67.55
271.000	1.00	115.00	140.00	111.69	1100.00	117.82	.00	117.88	101.68	2.62	582.85	109.09
279.000	8.00	115.00	140.00	111.69	360.00	116.92	.00	116.96	127.11	2.71	328.45	31.93
279.000	8.00	115.00	140.00	111.69	630.00	117.22	.00	117.28	205.50	3.24	408.46	43.95
279.000	8.00	115.00	140.00	111.69	750.00	117.42	.00	117.48	191.18	3.26	463.95	54.24
279.000	8.00	115.00	140.00	111.69	1100.00	117.92	.00	117.98	166.77	3.43	612.77	85.18
280.000	1.00	.00	.00	111.69	360.00	116.87	.00	116.99	36.09	3.37	343.82	59.93
280.000	1.00	.00	.00	111.69	630.00	117.11	.00	117.34	74.60	5.01	409.52	72.94
280.000	1.00	.00	.00	111.69	750.00	117.29	.00	117.54	78.73	5.30	462.70	84.53
280.000	1.00	.00	.00	111.69	1100.00	117.78	.00	118.06	85.20	5.93	605.79	119.17
299.200	19.20	.00	.00	112.39	360.00	116.85	.00	117.20	106.22	5.20	181.12	34.93
* 299.200	19.20	.00	.00	112.39	630.00	117.19	117.19	117.81	188.92	7.31	257.77	45.84
* 299.200	19.20	.00	.00	112.39	750.00	117.48	117.48	118.01	167.74	7.18	334.60	57.91
299.200	19.20	.00	.00	112.39	1100.00	117.80	.00	118.45	207.54	8.39	426.77	76.36
338.350	39.15	.00	.00	112.52	360.00	117.11	.00	117.80	153.07	6.66	463.20	29.10
* 338.350	39.15	.00	.00	112.52	630.00	118.16	118.16	118.66	99.98	6.56	902.93	63.01
* 338.350	39.15	.00	.00	112.52	750.00	118.23	118.23	118.86	124.96	7.43	943.21	67.09
* 338.350	39.15	.00	.00	112.52	1100.00	118.67	118.67	119.31	132.05	8.17	1186.38	95.72

SECNO	XLCH	ELTRD	ELLC	ELMIN	O	CWSEL	CRIMS	EG	10K'S	VCH	AREA	01K
* 425.350	87.00	.00	.00	114.47	360.00	118.68	.00	119.59	233.00	7.67	46.91	23.58
* 425.350	87.00	.00	.00	114.47	630.00	119.98	119.98	120.62	124.97	7.18	831.73	56.36
* 425.350	87.00	.00	.00	114.47	750.00	120.22	120.22	120.81	117.43	7.24	963.36	69.21
* 425.350	87.00	.00	.00	114.47	1100.00	120.55	120.55	121.26	147.08	8.54	1147.39	90.70
* 426.350	1.00	115.00	140.00	114.47	360.00	117.89	117.44	120.52	2284.89	13.04	233.44	7.53
* 426.350	1.00	115.00	140.00	114.47	630.00	120.75	120.05	120.80	102.06	3.25	1229.00	62.36
* 426.350	1.00	115.00	140.00	114.47	750.00	120.92	.00	120.98	104.99	3.41	1319.15	73.20
* 426.350	1.00	115.00	140.00	114.47	1100.00	121.47	.00	121.47	98.05	3.62	1596.57	111.09
* 433.650	7.30	115.00	140.00	114.47	360.00	119.02	117.44	121.59	2252.00	12.95	424.76	7.59
* 433.650	7.30	115.00	140.00	114.47	630.00	120.83	.00	120.88	86.77	3.05	1273.64	67.63
* 433.650	7.30	115.00	140.00	114.47	750.00	121.00	.00	121.05	89.78	3.21	1366.25	79.16
* 433.650	7.30	115.00	140.00	114.47	1100.00	121.49	.00	121.54	86.89	3.46	1642.64	118.01
* 434.650	1.00	.00	.00	114.47	360.00	122.35	.00	122.36	1.88	1.21	2148.42	262.91
* 434.650	1.00	.00	.00	114.47	630.00	120.78	.00	120.94	34.70	4.28	1269.51	106.95
* 434.650	1.00	.00	.00	114.47	750.00	120.94	.00	121.12	39.13	4.65	1359.78	119.90
* 434.650	1.00	.00	.00	114.47	1100.00	121.42	.00	121.63	45.94	5.37	1625.12	162.30
* 455.650	21.00	.00	.00	114.80	360.00	122.36	.00	122.36	.91	.81	1968.10	377.41
* 455.650	21.00	.00	.00	114.80	630.00	120.99	.00	121.02	11.16	2.39	1204.05	188.58
* 455.650	21.00	.00	.00	114.80	750.00	121.17	.00	121.21	12.70	2.62	1507.29	210.42
* 455.650	21.00	.00	.00	114.80	1100.00	121.68	.00	121.73	15.82	3.12	1590.81	276.57
* 565.000	109.35	.00	.00	115.00	360.00	122.37	.00	122.37	1.84	.92	1030.43	265.15
* 565.000	109.35	.00	.00	115.00	630.00	121.14	.00	121.17	18.68	2.35	570.05	145.77
* 565.000	109.35	.00	.00	115.00	750.00	121.35	.00	121.39	21.82	2.61	640.34	160.56
* 565.000	109.35	.00	.00	115.00	1100.00	121.89	.00	121.96	27.18	3.24	841.44	210.98
* 826.000	261.00	.00	.00	118.63	360.00	122.94	.00	123.05	45.76	2.67	134.73	53.22
* 826.000	261.00	.00	.00	118.63	630.00	123.00	.00	123.32	133.35	4.60	136.93	54.56
* 826.000	261.00	.00	.00	118.63	750.00	123.36	.00	123.75	144.04	5.01	149.69	62.49
* 826.000	261.00	.00	.00	118.63	1100.00	123.64	122.21	124.38	253.39	6.88	163.19	69.10
* 969.000	143.00	.00	.00	120.02	360.00	123.81	.00	123.96	78.80	3.11	115.71	40.55
* 969.000	143.00	.00	.00	120.02	630.00	124.77	.00	125.04	107.47	4.19	150.23	60.77
* 969.000	143.00	.00	.00	120.02	750.00	125.23	.00	125.54	107.96	4.46	188.83	72.10
* 969.000	143.00	.00	.00	120.02	1100.00	126.20	.00	126.52	97.96	4.82	345.88	111.14
* 981.000	12.00	125.13	122.79	120.02	360.00	124.32	.00	124.43	49.79	2.68	134.12	51.02
* 981.000	12.00	125.13	122.79	120.02	630.00	125.60	.00	125.76	55.13	3.35	242.23	84.85
* 981.000	12.00	125.13	122.79	120.02	750.00	125.86	.00	126.06	61.57	3.67	285.47	95.58
* 981.000	12.00	125.13	122.79	120.02	1100.00	126.45	.00	126.71	78.47	4.44	394.77	124.18
* 1016.000	35.00	.00	.00	120.28	360.00	124.49	.00	124.61	49.50	2.74	131.31	51.17
* 1016.000	35.00	.00	.00	120.28	630.00	125.79	.00	125.97	55.88	3.45	224.76	84.27
* 1016.000	35.00	.00	.00	120.28	750.00	126.07	.00	126.28	61.63	3.77	270.18	95.53
* 1016.000	35.00	.00	.00	120.28	1100.00	126.71	.00	126.99	75.47	4.50	388.24	126.62

SECHG	XLCH	ELTRD	ELLC	ELMIN	Q	CASEL	CRIVS	EG	10K'S	VCH	AREA	.01K
2784.800	1768.80	.00	.00	131.43	360.00	137.48	.00	137.65	110.63	3.88	164.65	34.23
2784.800	1768.80	.00	.00	131.43	630.00	138.61	.00	138.78	95.35	4.19	292.45	64.52
2784.800	1768.80	.00	.00	131.43	750.00	139.04	.00	139.20	88.09	4.24	352.33	79.91
2784.800	1768.80	.00	.00	131.43	1100.00	140.08	.00	140.23	75.77	4.37	515.18	126.37
2843.800	59.00	.00	.00	131.82	360.00	138.37	.00	138.25	83.96	3.49	187.26	39.29
2843.800	59.00	.00	.00	131.82	630.00	139.16	.00	139.30	81.35	3.95	313.66	69.85
2843.800	59.00	.00	.00	131.82	750.00	139.55	.00	139.70	78.63	4.06	369.82	84.58
2843.800	59.00	.00	.00	131.82	1100.00	140.53	.00	140.67	72.50	4.30	524.32	129.19
2844.800	1.00	135.54	145.00	131.82	360.00	138.17	.00	138.25	154.17	2.80	191.83	28.99
2844.800	1.00	135.54	145.00	131.82	630.00	139.25	.00	139.33	125.14	2.92	322.76	56.32
2844.800	1.00	135.54	145.00	131.82	750.00	139.65	.00	139.73	116.00	2.94	379.83	69.64
2844.800	1.00	135.54	145.00	131.82	1100.00	140.62	.00	140.69	99.28	3.01	535.54	110.40
2845.200	1.00	135.54	145.00	131.82	360.00	138.19	.00	138.27	151.71	2.79	193.03	29.23
2845.200	1.00	135.54	145.00	131.82	630.00	139.27	.00	139.34	123.74	2.90	324.16	56.64
2845.200	1.00	135.54	145.00	131.82	750.00	139.66	.00	139.74	114.87	2.93	381.26	69.98
2845.200	1.00	135.54	145.00	131.82	1100.00	140.63	.00	140.70	98.55	3.00	536.99	110.81
2846.200	1.00	.00	.00	131.82	360.00	138.18	.00	138.30	75.71	3.36	196.24	41.37
2846.200	1.00	.00	.00	131.82	630.00	139.25	.00	139.38	74.44	3.81	326.03	73.02
2846.200	1.00	.00	.00	131.82	750.00	139.64	.00	139.77	72.51	3.93	382.79	88.08
2846.200	1.00	.00	.00	131.82	1100.00	140.61	.00	140.74	67.98	4.19	537.90	133.41
2860.200	14.00	.00	.00	131.95	360.00	138.29	.00	138.41	78.14	3.40	193.46	40.72
2860.200	14.00	.00	.00	131.95	630.00	139.35	.00	139.49	76.44	3.85	322.30	72.06
2860.200	14.00	.00	.00	131.95	750.00	139.74	.00	139.88	74.46	3.97	378.49	86.91
2860.200	14.00	.00	.00	131.95	1100.00	140.70	.00	140.84	69.93	4.24	531.90	131.54
3326.700	466.50	.00	.00	135.86	360.00	141.64	.00	141.81	68.24	3.33	108.12	43.58
3326.700	466.50	.00	.00	135.86	630.00	143.07	.00	143.36	88.14	4.27	148.09	67.11
3326.700	466.50	.00	.00	135.86	750.00	143.52	.00	143.85	95.27	4.65	163.63	76.84
3326.700	466.50	.00	.00	135.86	1100.00	144.56	.00	145.03	110.96	5.62	216.80	104.43
3493.700	167.00	.00	.00	137.27	360.00	142.85	.00	143.04	77.83	3.49	103.08	40.81
3493.700	167.00	.00	.00	137.27	630.00	144.53	.00	144.81	85.70	4.23	148.91	68.05
3493.700	167.00	.00	.00	137.27	750.00	145.07	.00	145.39	88.86	4.56	164.55	79.56
3493.700	167.00	.00	.00	137.27	1100.00	146.31	.00	146.72	90.95	5.26	244.47	115.34
3494.700	1.00	145.10	175.00	137.27	360.00	142.86	.00	143.05	77.66	3.49	103.16	40.85
3494.700	1.00	145.10	175.00	137.27	630.00	144.54	.00	144.82	99.60	4.55	149.75	63.13
3494.700	1.00	145.10	175.00	137.27	750.00	145.07	.00	145.42	208.57	4.75	160.75	51.93
3494.700	1.00	145.10	175.00	137.27	1100.00	146.28	.00	146.79	466.77	5.84	215.41	50.91
3495.300	.67	145.10	175.00	137.27	360.00	142.87	.00	143.06	77.34	3.48	103.32	40.94
3495.300	.67	145.10	175.00	137.27	630.00	144.55	.00	144.83	100.18	4.22	149.98	62.94
3495.300	.67	145.10	175.00	137.27	750.00	145.08	.00	145.43	208.87	4.74	160.77	51.89
3495.300	.67	145.10	175.00	137.27	1100.00	146.33	.00	146.83	451.03	5.77	219.68	51.80

SECHO	XLCH	ELTRD	ELLC	ELMIN	Q	CMSEL	CRWS	EG	10K*S	VCH	AREA	.01K
3496.300	1.00	.00	.00	137.27	360.00	142.82	.00	143.06	76.89	3.48	103.53	41.05
3496.300	1.00	.00	.00	137.27	630.00	144.56	.00	144.83	84.18	4.21	149.76	68.67
3496.300	1.00	.00	.00	137.27	750.00	145.14	.00	145.45	85.36	4.50	166.63	81.18
3496.300	1.00	.00	.00	137.27	1100.00	146.49	.00	146.87	81.70	5.07	261.27	121.70
3537.300	41.00	.00	.00	137.90	360.00	143.21	.00	143.43	95.03	3.75	95.89	36.93
3537.300	41.00	.00	.00	137.90	630.00	144.93	.00	145.23	102.94	4.42	142.58	62.09
3537.300	41.00	.00	.00	137.90	750.00	145.54	.00	145.87	113.75	4.60	162.93	70.32
3537.300	41.00	.00	.00	137.90	1100.00	146.90	.00	147.29	117.66	5.05	239.98	101.41
4260.000	722.70	.00	.00	148.63	360.00	154.78	.00	155.31	279.62	5.84	61.63	21.53
4260.000	722.70	.00	.00	148.63	630.00	157.21	153.72	157.85	291.66	6.63	126.25	36.89
4260.000	722.70	.00	.00	148.63	750.00	157.63	154.30	158.15	252.11	6.41	206.03	47.24
4260.000	722.70	.00	.00	148.63	1100.00	158.24	.00	158.60	209.14	6.15	393.32	76.06
4309.000	49.00	.00	.00	150.44	360.00	156.23	.00	156.83	328.77	6.21	57.95	19.85
4309.000	49.00	.00	.00	150.44	630.00	158.75	.00	159.58	373.33	7.31	85.14	32.61
4309.000	49.00	.00	.00	150.44	750.00	159.08	.00	160.15	451.60	8.30	90.33	35.29
4309.000	49.00	.00	.00	150.44	1100.00	159.42	.00	161.52	834.57	11.63	94.54	38.08
4440.000	131.00	166.26	157.73	150.44	360.00	160.66	.00	161.03	303.80	4.94	72.83	20.65
4440.000	131.00	166.26	157.73	150.44	630.00	161.08	.00	161.54	140.88	5.46	115.39	53.08
4440.000	131.00	166.26	157.73	150.44	750.00	162.56	.00	163.05	121.58	5.60	133.91	68.02
4440.000	131.00	166.26	157.73	150.44	1100.00	166.94	.00	166.95	.48	.44	3367.63	1590.67
4452.500	12.50	.00	.00	151.01	360.00	161.15	.00	161.17	8.73	1.31	587.83	121.87
4452.500	12.50	.00	.00	151.01	630.00	161.69	.00	161.71	12.03	1.60	790.15	181.66
4452.500	12.50	.00	.00	151.01	750.00	163.19	.00	163.20	3.27	.92	1386.45	414.64
4452.500	12.50	.00	.00	151.01	1100.00	166.95	.00	166.95	.63	.49	3071.14	1389.41
4885.000	432.50	.00	.00	154.20	360.00	161.51	.00	161.53	7.96	1.56	568.79	127.63
4885.000	432.50	.00	.00	154.20	630.00	162.23	.00	162.26	13.01	2.14	744.18	174.66
4885.000	432.50	.00	.00	154.20	750.00	163.43	.00	163.45	7.85	1.85	1057.27	267.76
4885.000	432.50	.00	.00	154.20	1100.00	167.02	.00	167.03	2.87	1.42	2150.43	649.53

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SPAINHOUR CREEK

SUMMARY PRINTOUT TABLE 150

SECHD	Q	CASEL	DIFUSP	DIFUSX	DIFKUS	TORPID	XLCH
190.200	360.00	115.74	.00	.00	-1.26	204.20	.00
190.200	630.00	116.42	.69	.00	-.58	280.00	.00
190.200	750.00	116.63	.20	.00	-.37	280.74	.00
190.200	1100.00	117.15	.52	.00	.15	297.92	.00
270.000	360.00	116.24	.00	.50	.00	19.20	79.80
270.000	630.00	116.94	.70	.52	.00	280.00	79.80
270.000	750.00	117.15	.21	.53	.00	280.76	79.80
270.000	1100.00	117.68	.52	.52	.00	298.12	79.80
271.000	360.00	116.85	.00	.61	.00	276.66	1.00
271.000	630.00	117.09	.24	.15	.00	280.55	1.00
271.000	750.00	117.30	.21	.15	.00	283.17	1.00
271.000	1100.00	117.82	.52	.14	.00	303.81	1.00
279.000	360.00	116.92	.00	.07	.00	279.95	8.00
279.000	630.00	117.22	.30	.13	.00	281.00	8.00
279.000	750.00	117.42	.20	.12	.00	287.74	8.00
279.000	1100.00	117.92	.50	.10	.00	307.72	8.00
280.000	360.00	116.87	.00	-.05	.00	279.75	1.00
280.000	630.00	117.11	.23	-.11	.00	280.60	1.00
280.000	750.00	117.29	.19	-.12	.00	282.99	1.00
280.000	1100.00	117.78	.49	-.13	.00	302.52	1.00
299.200	360.00	116.85	.00	-.02	.00	204.02	19.20
299.200	630.00	117.19	.34	.08	.00	249.48	19.20
299.200	750.00	117.48	.29	.18	.00	279.41	19.20
299.200	1100.00	117.80	.33	.02	.00	280.59	19.20
338.350	360.00	117.11	.00	.26	.00	257.10	39.15
338.350	630.00	118.16	1.05	.97	.00	546.02	39.15
338.350	750.00	118.23	.07	.75	.00	546.71	39.15
338.350	1100.00	118.67	.44	.87	.00	550.87	39.15
425.350	360.00	118.68	.00	1.56	.00	17.39	87.00
425.350	630.00	119.98	1.30	1.82	.00	538.31	87.00
425.350	750.00	120.22	.24	1.99	.00	547.06	87.00
425.350	1100.00	120.55	.34	1.88	.00	550.21	87.00
426.350	360.00	117.09	.00	-.78	.00	157.60	1.00
426.350	630.00	120.75	2.86	.77	.00	552.08	1.00
426.350	750.00	120.92	.17	.70	.00	553.62	1.00
426.350	1100.00	121.42	.50	.86	.00	558.31	1.00

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SECHO	Q	CNSL	DIFLSP	DIFNSX	DIFKMS	TOPMID	XLCH
* 433.650	360.00	119.02	.00	1.12	.00	218.12	7.30
433.650	630.00	120.83	1.81	.08	.00	552.84	7.30
433.650	750.00	121.00	.17	.08	.00	554.42	7.30
433.650	1100.00	121.49	.49	.07	.00	559.08	7.30
434.650	360.00	122.35	.00	3.33	.00	567.05	1.00
434.650	630.00	120.78	-1.57	-.05	.00	552.29	1.00
434.650	750.00	120.94	.16	-.06	.00	553.83	1.00
434.650	1100.00	121.42	.48	-.07	.00	558.31	1.00
455.650	360.00	122.36	.00	.01	.00	564.06	21.00
455.650	630.00	120.99	-1.37	.21	.00	551.18	21.00
455.650	750.00	121.17	.19	.24	.00	552.93	21.00
455.650	1100.00	121.68	.51	.27	.00	557.73	21.00
565.000	360.00	122.37	.00	.01	.00	402.31	109.35
565.000	630.00	121.14	-1.23	.15	.00	312.91	109.35
565.000	750.00	121.35	.21	.18	.00	353.57	109.35
565.000	1100.00	121.89	.54	.21	.00	382.56	109.35
826.000	360.00	122.94	.00	.57	.00	35.44	261.00
826.000	630.00	123.00	.05	1.86	.00	35.49	261.00
826.000	750.00	123.56	.36	2.31	.00	35.76	261.00
826.000	1100.00	123.64	.29	1.75	.00	132.94	261.00
969.000	360.00	123.81	.00	.87	.00	36.01	143.00
969.000	630.00	124.77	.96	1.77	.00	34.02	143.00
969.000	750.00	125.23	.46	1.87	.00	133.83	143.00
969.000	1100.00	126.20	.97	2.56	.00	188.32	143.00
981.000	360.00	124.32	.00	.51	.00	36.01	12.00
981.000	630.00	125.60	1.27	.83	.00	154.45	12.00
981.000	750.00	125.86	.27	.63	.00	169.41	12.00
981.000	1100.00	126.45	.59	.25	.00	202.34	12.00
1016.000	360.00	124.49	.00	.17	.00	35.37	35.00
1016.000	630.00	125.79	1.29	.19	.00	149.96	35.00
1016.000	750.00	126.07	.29	.21	.00	166.08	35.00
1016.000	1100.00	126.71	.64	.26	.00	202.07	35.00
2784.800	360.00	137.48	.00	12.98	.00	98.81	1768.80
2784.800	630.00	138.61	1.13	12.82	.00	132.56	1768.80
2784.800	750.00	139.04	.45	12.97	.00	143.66	1768.80
2784.800	1100.00	140.06	1.04	13.37	.00	168.10	1768.80
2843.800	360.00	138.09	.00	.61	.00	102.22	59.00
2843.800	630.00	139.16	1.07	.55	.00	136.53	59.00
2843.800	750.00	139.55	.40	.51	.00	146.82	59.00
2843.800	1100.00	140.53	.97	.44	.00	169.15	59.00

SECD	Q	CMSEL	DIFWSP	DIFRSK	DIFRVS	TOPUID	XLCH
2844.800	360.00	138.17	.00	.08	.00	103.47	1.00
2844.800	630.00	139.25	1.08	.09	.00	138.89	1.00
2844.800	750.00	139.65	.40	.09	.00	149.50	1.00
2844.800	1100.00	140.62	.97	.09	.00	170.90	1.00
2845.200	360.00	138.19	.00	.02	.00	103.64	1.00
2845.200	630.00	139.27	1.07	.01	.00	139.16	1.00
2845.200	750.00	139.66	.40	.01	.00	149.55	1.00
2845.200	1100.00	140.63	.97	.01	.00	171.06	1.00
2846.200	360.00	138.18	.00	.01	.00	103.54	1.00
2846.200	630.00	139.25	1.07	.02	.00	138.76	1.00
2846.200	750.00	139.64	.39	.02	.00	149.13	1.00
2846.200	1100.00	140.61	.97	.02	.00	170.71	1.00
2860.200	360.00	138.29	.00	.11	.00	103.13	14.00
2860.200	630.00	139.35	1.07	.10	.00	138.07	14.00
2860.200	750.00	139.74	.39	.10	.00	148.37	14.00
2860.200	1100.00	140.70	.96	.09	.00	170.03	14.00
3326.700	360.00	141.64	.00	3.36	.00	26.03	466.50
3326.700	630.00	143.07	1.43	3.72	.00	32.87	466.50
3326.700	750.00	143.52	.44	3.77	.00	35.28	466.50
3326.700	1100.00	144.56	1.04	3.85	.00	75.14	466.50
3493.700	360.00	142.85	.00	1.21	.00	25.60	167.00
3493.700	630.00	144.53	1.68	1.46	.00	29.00	167.00
3493.700	750.00	145.07	.54	1.55	.00	29.01	167.00
3493.700	1100.00	146.51	1.24	1.75	.00	88.30	167.00
3494.700	360.00	142.86	.00	.01	.00	25.61	1.00
3494.700	630.00	144.54	1.68	.01	.00	33.71	1.00
3494.700	750.00	145.07	.53	.00	.00	35.41	1.00
3494.700	1100.00	146.28	1.21	.03	.00	87.24	1.00
3495.300	360.00	142.87	.00	.01	.00	25.62	.67
3495.300	630.00	144.55	1.68	.01	.00	33.82	.67
3495.300	750.00	145.08	.54	.01	.00	35.42	.67
3495.300	1100.00	146.33	1.25	.05	.00	89.13	.67
3496.300	360.00	142.88	.00	.01	.00	25.64	1.00
3496.300	630.00	144.56	1.68	.01	.00	29.00	1.00
3496.300	750.00	145.14	.58	.05	.00	30.47	1.00
3496.300	1100.00	146.49	1.35	.16	.00	95.40	1.00
3537.300	360.00	143.21	.00	.34	.00	24.98	41.00
3537.300	630.00	144.93	1.72	.37	.00	30.16	41.00
3537.300	750.00	145.54	.61	.40	.00	35.26	41.00
3537.300	1100.00	146.90	1.36	.40	.00	86.30	41.00

SECNO	Q	CMSEL	DIFWSP	DIFWSX	DIFKUS	TOPWID	XLCH
4260.000	360.00	154.78	.00	11.56	.00	10.51	722.70
4260.000	630.00	157.21	2.43	12.28	.00	140.37	722.70
4260.000	750.00	157.63	.42	12.09	.00	236.13	722.70
4260.000	1100.00	158.24	.61	11.35	.00	363.49	722.70
4309.000	360.00	156.23	.00	1.46	.00	10.51	49.00
4309.000	630.00	158.75	2.51	1.54	.00	12.52	49.00
4309.000	750.00	159.08	.34	1.45	.00	12.52	49.00
4309.000	1100.00	159.42	.34	1.17	.00	12.52	49.00
4440.000	360.00	160.66	.00	4.42	.00	12.52	131.00
4440.000	630.00	161.08	.43	2.34	.00	12.52	131.00
4440.000	750.00	162.56	1.48	3.48	.00	12.52	131.00
4440.000	1100.00	166.94	4.38	7.53	.00	530.38	131.00
4452.500	360.00	161.15	.00	.50	.00	372.99	12.50
4452.500	630.00	161.69	.54	.61	.00	382.63	12.50
4452.500	750.00	163.19	1.51	.63	.00	409.73	12.50
4452.500	1100.00	166.95	3.75	.00	.00	507.52	12.50
4885.000	360.00	161.51	.00	.36	.00	237.68	432.50
4885.000	630.00	162.23	.71	.54	.00	250.73	432.50
4885.000	750.00	163.43	1.20	.23	.00	272.47	432.50
4885.000	1100.00	167.02	3.59	.07	.00	336.50	432.50

THIS RUN EXECUTED 02-17-86 01:08:47

 HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
 ERROR CORR - 01,02,03,04,05,06
 MODIFICATION - 50,51,52,53,54,55,56
 IBM-PC-XT VERSION AUGUST 1985

C										
T1	HAYES, SEAY, MATTERN & MATTERN				CALDWELL CO/LENOIR, NC FIS					
T2	FILENAME: SP.HEC		ENG: SKE EA: PSJ		COMM 2320					
T3	SPAINHOUR CREEK		DATE: 02/18/86		100-YEAR EVENT					
J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	0.	4.	0.	0.	.006500	.00	.0	0.	117.000	.000
J2	WPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	116.000	200.000	.000	.000	.000	.000	.000	.000	.000	.000
J6	IHLG	ICOPY								
	1.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
QT	5.000	360.000	630.000	750.000	1100.000	495.000	750.000	.000	.000	.000
NC	.100	.100	.050	.100	.300	.000	.000	.000	.000	.000
NH	4.000	.180	4999.990	.052	5019.200	.150	5243.000	.100	5863.000	.000
ET	.000	.000	.000	.000	.000	.000	8.100	4999.000	5170.000	.000
FRIST BRIDGE CROSS SECTION FOR BRIDGE #1										
X1	190.200	22.000	4999.990	5019.200	45.200	140.200	190.200	.000	.520	.000
GR	140.000	4740.000	135.000	4762.000	130.000	4795.000	125.000	4850.000	120.000	4900.000
GR	117.250	4999.990	113.330	5000.000	112.120	5003.200	111.690	5007.200	112.120	5011.200
GR	113.960	5012.200	115.260	5016.940	115.270	5016.950	115.200	5019.190	116.870	5019.200
GR	115.000	5243.000	115.000	5273.000	120.000	5291.000	125.000	5474.000	130.000	5583.000
GR	135.000	5806.000	140.000	5863.000	.000	.000	.000	.000	.000	.000
NH	4.000	.180	4999.990	.052	5019.200	.150	5243.000	.100	5863.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	4999.000	5170.000	.000
X1	270.000	.000	.000	.000	79.800	79.800	79.800	.000	.520	.000
X3	10.000	.000	.000	.000	.000	.000	.000	117.250	116.870	.000

NC	.000	.000	.000	.300	.500	.000	.000	.000	.000	.000
NH	4.000	.180	5004.000	.052	5022.000	.150	5112.000	100.000	5575.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	5004.000	5154.000	.000
X1	425.350	.000	.000	.000	64.500	74.500	87.000	.000	1.950	.000
X3	10.000	.000	.000	.000	.000	.000	.000	118.740	119.030	.000
NH	4.000	.180	5004.000	.052	5022.000	.150	5112.000	100.000	5575.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	5004.000	5154.000	.000

BRIDGE #2 WIDTH:8 SKEW:85
ELLG:115.75

X1	426.350	.000	.000	.000	1.000	1.000	1.000	.000	.000	.000
BT	-23.000	4681.000	140.000	740.000	4713.000	135.000	135.000	4726.000	130.000	130.000
BT	.000	4751.000	125.000	125.000	4785.000	120.000	120.000	5000.000	119.230	119.230
BT	.000	5004.000	119.220	118.740	5005.750	119.200	117.500	5005.760	119.200	117.500
BT	.000	5010.000	119.160	117.450	5013.000	119.130	117.430	5016.000	119.090	117.390
BT	.000	5017.000	119.080	117.380	5019.500	119.060	117.360	5019.510	119.060	117.360
BT	.000	5022.000	119.030	119.030	5112.000	119.130	119.130	5247.000	115.000	115.000
BT	.000	5330.000	120.000	120.000	5343.000	125.000	125.000	5415.000	130.000	130.000
BT	.000	5507.000	135.000	135.000	5575.000	140.000	140.000	.000	.000	.000

NH	4.000	.180	5004.000	.052	5022.000	.150	5112.000	100.000	5575.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	5004.000	5154.000	.000
X1	433.650	.000	.000	.000	7.300	7.300	7.300	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	1.000	.000	.000	.000

NH	4.000	.180	5004.000	.052	5022.000	.150	5112.000	100.000	5575.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	5004.000	5154.000	.000
X1	434.650	.000	.000	.000	1.000	1.000	1.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	118.740	119.030	.000

NH	4.000	.180	5004.000	.052	5022.000	.180	5247.000	100.000	5575.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	5004.000	5154.000	.000

LAST BRIDGE CROSS SECTION FOR BRIDGE #2

X1	455.650	23.000	5004.000	5022.000	21.000	21.000	21.000	.000	.330	.000
GR	140.000	4681.000	135.000	4713.000	130.000	4726.000	125.000	4751.000	120.000	4785.000
GR	119.230	5000.000	118.740	5004.000	117.500	5005.750	117.490	5005.760	114.620	5010.000
GR	114.470	5013.000	114.570	5016.000	115.880	5017.000	117.350	5019.500	117.360	5019.510
GR	119.030	5022.000	119.130	5112.000	115.000	5247.000	120.000	5330.000	125.000	5343.000
GR	130.000	5415.000	135.000	5507.000	140.000	5575.000	.000	.000	.000	.000

NC	.110	.100	.050	.100	.300	.000	.000	.000	.000	.000
NH	4.000	.180	5095.000	.052	5127.000	.180	5570.000	100.000	6358.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	5095.000	5245.000	.000

CROSS SECTION SPF

X1	565.000	25.000	5095.000	5127.000	149.350	99.350	109.350	.000	.000	.000
GR	160.000	5000.000	155.000	5011.000	150.000	5023.000	125.000	5033.000	122.900	5081.000
GR	121.500	5025.000	116.500	5105.000	116.500	5105.000	116.200	5108.000	116.500	5111.000
GR	118.100	5116.000	121.400	5127.000	120.000	5346.000	115.000	5358.000	115.000	5373.000
GR	115.000	5403.000	120.000	5415.000	125.000	5570.000	130.000	5708.000	135.000	6073.000
GR	140.000	6158.000	145.000	6228.000	150.000	6258.000	155.000	6318.000	160.000	6358.000
NC	.180	.130	.085	.100	.300	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	10.410	.000	.000	.000

FRIST BRIDGE CROSS SECTION FOR BRIDGE #11 (SOUTHERN RR)

X1	826.000	21.000	4999.990	5036.010	201.000	291.000	261.000	.000	-1.390	.000
GR	140.000	4830.000	135.000	4865.000	130.000	4885.000	125.000	4903.130	125.000	4999.990
GR	121.390	5001.510	120.240	5004.000	120.020	5004.500	120.120	5017.000	120.240	5022.000
GR	120.240	5022.010	120.240	5023.000	120.240	5023.010	120.240	5028.000	120.910	5032.000
GR	122.190	5034.000	122.190	5035.000	125.230	5036.010	130.000	5286.000	135.000	5344.000
GR	140.000	5411.000	.000	.000	.000	.000	.000	.000	.000	.000
NC	.180	.130	.085	.300	.500	.000	.000	.000	.000	.000
X1	969.000	29.000	4999.990	5036.010	143.000	143.000	143.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	125.130	125.230	.000
GR	140.000	4830.000	135.000	4865.000	130.000	4885.000	125.000	4903.000	125.000	4999.990
GR	122.680	5000.000	122.680	5001.500	121.390	5001.510	120.240	5004.000	120.020	5004.500
GR	120.330	5009.500	120.330	5009.510	120.330	5010.500	120.330	5010.510	120.120	5017.000
GR	120.240	5022.000	120.240	5022.010	120.240	5023.000	120.240	5023.010	120.240	5028.000
GR	120.910	5032.000	122.190	5034.000	122.190	5035.000	122.790	5035.010	122.790	5036.000
GR	125.230	5036.010	130.000	5286.000	135.000	5344.000	140.000	5411.000	.000	.000

SB	1.250	1.560	2.600	.000	19.270	2.000	71.000	3.020	120.020	120.020
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BRIDGE #11 WIDTH:10 SKEW:90
ELLCC:122.75

X1	981.000	.000	.000	.000	12.000	12.000	12.000	.000	.000	.000
X2	.000	.000	1.000	122.790	125.130	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	125.130	125.230	.000
BT	-29.000	4830.000	140.000	140.000	4865.000	135.000	135.000	4885.000	130.000	130.000
BT	.000	4903.000	125.130	125.130	4999.990	125.130	125.000	5000.000	125.130	122.680
BT	.000	5001.500	125.130	122.680	5001.510	125.130	122.680	5004.000	125.140	122.660
BT	.000	5004.500	125.140	122.660	5009.500	125.160	122.630	5009.510	125.160	120.330
BT	.000	5010.500	125.160	120.330	5010.510	125.160	122.630	5017.000	125.180	122.700
BT	.000	5022.000	125.190	122.750	5022.010	125.190	120.240	5023.000	125.190	120.240
BT	.000	5023.010	125.190	122.750	5028.000	125.210	122.770	5032.000	125.220	122.780
BT	.000	5034.000	125.220	122.790	5035.000	125.230	122.790	5035.010	125.230	122.790
BT	.000	5036.000	125.230	122.790	5036.010	125.230	125.230	5286.000	130.000	130.000
BT	.000	5344.000	135.000	135.000	5411.000	140.000	140.000	.000	.000	.000

LAST BRIDGE CROSS SECTION FOR BRIDGE #11 (SOUTHER RR)

X1	1016.000	21.000	4999.990	5036.010	35.000	35.000	35.000	35.000	35.000	4903.000	125.260	4999.990
GR	140.000	4830.000	135.000	4065.000	130.000	4835.000	125.130	5017.000	120.120	5028.000	120.240	5022.000
GR	121.390	5001.510	120.240	5004.000	120.020	5004.500	120.240	5023.010	120.240	5028.000	120.910	5032.000
GR	120.240	5022.010	120.240	5023.000	120.240	5023.010	120.240	5036.010	130.000	5285.000	135.000	5344.000
GR	122.190	5034.000	122.190	5035.000	125.230	5036.010	130.000	5183.000	145.000	5183.000	145.000	5183.000
GR	140.000	5411.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
NC	.180	.180	.085	.100	.300	.000	.000	.000	.000	.000	.000	.000

CROSS SECTION SPG
FIRST CROSS SECTION FOR PIPE AT X-SECTION SPG

X1	2784.800	24.000	5000.000	5015.000	1748.830	1703.830	1768.800	5000.010	136.700	5000.010	137.100	5001.000
GR	145.000	4936.000	140.000	4971.000	137.100	5000.000	132.030	5011.000	136.430	5069.000	135.540	5076.000
GR	132.200	5003.000	131.820	5006.000	131.980	5009.000	136.160	5117.000	140.090	5117.000	140.090	5131.000
GR	137.180	5015.000	136.570	5035.000	136.870	5103.000	139.230	5183.000	145.000	5183.000	145.000	5183.000
GR	136.280	5083.000	139.010	5097.000	138.260	5151.010	145.000	5183.000	145.000	5183.000	145.000	5183.000
GR	141.210	5145.000	141.210	5151.000	141.740	5151.010	145.000	5183.000	145.000	5183.000	145.000	5183.000
NC	.180	.180	.085	.300	.500	.000	.000	.000	.000	.000	.000	.000
X1	2843.800	.000	.000	.000	59.000	59.000	59.000	137.100	137.180	137.100	137.180	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

PIPE WIDTH: 34
ELL: 131.82
SKEW:

X1	2844.800	.000	.000	.000	1.000	1.000	1.000	5000.000	137.100	5000.000	137.100	5001.000
BT	-24.000	4936.000	145.000	4971.000	140.000	140.000	140.000	5003.000	136.930	5011.000	136.490	5076.000
BT	.000	5000.010	137.100	5001.000	137.040	136.600	136.260	5011.000	136.490	5076.000	135.540	5076.000
BT	.000	5006.000	136.770	5015.000	137.180	136.160	139.010	5103.000	141.210	5145.000	141.210	5145.000
BT	.000	5012.000	136.430	5035.000	136.870	5097.000	139.010	5103.000	141.210	5145.000	141.210	5145.000
BT	.000	5059.000	136.870	5069.000	136.160	139.010	140.090	5145.000	141.210	5145.000	141.210	5145.000
BT	.000	5083.000	136.280	5097.000	139.010	140.090	141.210	5145.000	141.210	5145.000	141.210	5145.000
BT	.000	5117.000	139.230	5131.000	141.740	141.740	141.740	5183.000	145.000	5183.000	145.000	5183.000
BT	.000	5151.000	141.740	5151.010	141.740	141.740	141.740	5183.000	145.000	5183.000	145.000	5183.000
X1	2845.200	.000	.000	.000	1.000	1.000	1.000	.000	.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	2846.200	.000	.000	.000	1.000	1.000	1.000	137.100	137.180	137.100	137.180	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

LAST CROSS SECTION FOR PIPE AT X-SECTION SPG

X1	2860.200	24.000	5000.000	5015.000	14.000	14.000	14.000	14.000	130	.000
GR	145.000	4936.000	140.000	4971.000	137.100	5000.000	5000.000	5000.000	133.690	5001.000
GR	132.200	5003.000	131.820	5006.000	131.980	5009.000	5009.000	5011.000	136.430	5012.000
GR	137.180	5015.000	136.570	5035.000	136.870	5039.000	5039.000	5069.000	135.540	5076.000
GR	136.280	5083.000	139.010	5097.000	138.260	5103.000	5103.000	5117.000	140.090	5131.000
GR	141.210	5145.000	141.210	5151.000	141.740	5151.010	5151.010	5183.000	.000	.000
NC	.100	.180	.085	.100	.300	.000	.000	.000	.000	.000

FIRST PIPE CROSS SECTION BY BROYHILL FURNITURE

X1	3326.700	25.000	5015.000	5044.000	468.990	458.990	466.500	4773.000	-1.410	.000
GR	175.000	4558.000	170.000	4678.000	165.000	4773.000	160.000	4923.000	155.000	4953.000
GR	150.000	4988.000	147.180	5000.000	145.660	5082.000	145.740	5008.000	144.630	5009.000
GR	144.210	5015.000	139.040	5016.000	137.390	5020.000	137.270	5022.000	137.340	5024.000
GR	137.390	5026.000	138.160	5031.500	144.430	5044.000	145.100	5044.010	150.000	5228.000
GR	155.000	5248.000	160.000	5308.000	165.000	5331.000	170.000	5371.000	175.000	5401.000
NC	.100	.180	.085	.300	.500	.000	.000	.000	.000	.000
X1	3493.700	.000	.000	.000	167.000	167.000	167.000	145.660	1.410	.000
X3	10.000	.000	.000	.000	.000	.000	.000	145.660	144.090	.000

PIPE WIDTH: .67
ELL: 137.27
SKEW:

X1	3494.700	.000	.000	.000	1.000	1.000	1.000	4773.000	.000	.000
BT	-25.000	4538.000	175.000	4678.000	170.000	170.000	170.000	4773.000	165.000	165.000
BT	.000	4923.000	160.000	4953.000	155.000	155.000	155.000	4988.000	150.000	150.000
BT	.000	5000.000	147.180	5002.000	146.190	146.190	145.660	5008.000	146.030	145.740
BT	.000	5009.000	146.010	5015.000	145.850	145.850	145.180	5016.000	145.830	145.160
BT	.000	5020.000	145.720	5022.000	145.670	145.670	145.620	5024.000	145.620	144.950
BT	.000	5026.000	145.570	5031.500	145.420	145.420	144.750	5044.000	145.100	144.430
BT	.000	5044.010	145.100	5228.000	150.000	150.000	150.000	5248.000	155.000	155.000
B1	.000	5303.000	160.000	5331.000	165.000	165.000	165.000	5371.000	170.000	170.000
BT	.000	5401.000	175.000	.000	.000	.000	.000	.000	.000	.000
X1	3495.300	.000	.000	.000	.670	.670	.670	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	1.000	.000	.000	.000
X1	3496.300	.000	.000	.000	1.000	1.000	1.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	145.660	144.090	.000

LAST PIPE CROSS SECTION BY BROYHILL FURNITURE

X1	3537.300	25.000	5002.000	5044.000	41.000	41.000	41.000	4923.000	.630	.000
GR	175.000	4558.000	170.000	4678.000	165.000	4773.000	160.000	4923.000	155.000	4953.000
GR	150.000	4988.000	147.180	5000.000	145.660	5002.000	145.740	5008.000	144.630	5009.000
GR	144.210	5015.000	139.040	5016.000	137.390	5020.000	137.270	5022.000	137.340	5024.000
GR	137.390	5026.000	138.160	5031.500	144.430	5044.000	145.100	5044.010	150.000	5228.000
GR	155.000	5248.000	160.000	5308.000	165.000	5331.000	170.000	5371.000	175.000	5401.000

NC .100 .150 .085 .100 .300 .000 .000 .000 .000 .000

FRIST BRIDGE CROSS SECTION FOR BRIDGE #10 (US 321)

X1	4260.000	21.000	4999.990	5012.510	713.160	718.160	722.700	.000	-1.810	.000
GR	175.000	4520.000	170.000	4590.000	165.000	4760.000	160.000	4820.000	158.380	4999.990
GR	158.380	5000.000	157.590	5001.000	150.860	5001.010	150.440	5008.000	150.620	5009.000
GR	150.860	5011.000	151.750	5011.010	151.930	5011.500	157.730	5011.510	157.730	5012.500
GR	158.520	5012.510	160.000	5182.500	165.000	5212.500	168.330	5232.500	170.000	5242.500
GR	175.000	5377.500	.000	.000	.000	.000	.000	.000	.000	.000

NC	.100	.150	.085	.300	.500	.000	.000	.000	.000	.000
X1	4309.000	.000	.000	.000	49.000	49.000	49.000	.000	1.810	.000
X3	10.000	.000	.000	.000	.000	.000	.000	166.260	166.400	.000

SB 1.250 2.420 2.600 .000 7.390 .000 73.000 .348 150.390 150.390

BRIDGE #10 WIDTH:11.5 SKEW:75
ELLC:157.73

X1	4440.000	.000	.000	.000	131.000	131.000	131.000	.000	.000	.000
X2	.000	.000	1.000	157.730	166.260	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	166.260	166.400	.000
BT	-21.000	4520.000	175.000	175.000	4590.000	170.000	170.000	4760.000	168.450	165.000
BT	.000	4820.000	167.900	160.000	4999.990	166.260	158.380	5000.000	156.260	158.380
BT	.000	5001.000	166.270	157.590	5001.010	166.270	157.590	5008.000	166.350	157.680
BT	.000	5009.000	166.360	157.700	5011.000	166.380	157.720	5011.010	166.380	157.720
BT	.000	5011.500	166.390	157.730	5011.510	166.390	157.730	5012.500	166.400	157.730
BT	.000	5012.510	166.400	158.520	5182.500	169.180	160.000	5212.500	169.670	165.000
BT	.000	5232.500	170.000	168.330	5242.500	170.160	170.000	5377.500	175.000	175.000

ET .000 .000 .000 .000 .000 .000 8.100 4950.000 5050.000 .000

LAST BRIDGE CROSS SECTION FOR BRIDGE #10 (US 321)

X1	4452.500	21.000	4999.990	5012.510	12.500	12.500	12.500	.000	.570	.000
GR	175.000	4520.000	170.000	4590.000	165.000	4760.000	160.000	4820.000	158.380	4999.990
GR	158.380	5000.000	157.590	5001.000	150.860	5001.010	150.440	5008.000	150.620	5009.000
GR	150.860	5011.000	151.750	5011.010	151.930	5011.500	157.730	5011.510	157.730	5012.500
GR	158.520	5012.510	160.000	5182.500	165.000	5212.500	168.330	5232.500	170.000	5242.500
GR	175.000	5377.500	.000	.000	.000	.000	.000	.000	.000	.000

NC	.010	.100	.050	.100	.300	.000	.000	.000	.000	.000
NH	4.000	100.000	5304.750	.100	5368.750	.085	5383.750	.150	5503.000	.000
ET	.000	.000	.000	.000	.000	.000	10.410	.000	.000	.000

CROSS SECTION SPH

X1	4885.000	32.000	5368.750	5383.750	447.000	432.000	432.500	.000	.000	.000
GR	175.000	5000.000	170.000	5082.000	165.000	5149.000	161.390	5203.750	159.790	5205.750
GR	159.190	5208.750	160.340	5213.750	160.640	5220.750	160.160	5234.750	159.800	5248.750
GR	159.500	5262.750	159.640	5276.750	159.650	5290.750	159.680	5304.750	159.510	5318.750
GR	158.930	5332.750	158.880	5337.750	158.420	5353.750	158.180	5358.780	157.640	5366.750

THIS ROW EXECUTED 02-17-86 01:10:53

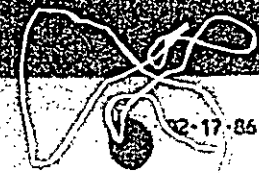
 HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
 ERROR CORR - 01,02,03,04,05,06
 MODIFICATION - 50,51,52,53,54,55,56
 IBM-PC-XT VERSION AUGUST 1985

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

SPAINHOUR CREEK

SUMMARY PRINTOUT TABLE 110

SECHO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
190.200	116.63	-.37	116.81	280.74	.00	362.75	387.25	.00	.00	4999.99	5019.20	.00
190.200	116.63	.00	117.34	170.01	.00	584.38	165.62	171.00	4999.00	4999.99	5019.20	5170.00
270.000	117.15	.00	117.33	280.76	.00	361.87	388.13	.00	.00	4999.99	5019.20	.00
270.000	117.86	.71	118.15	171.00	.21	479.46	270.34	171.00	4999.00	4999.99	5019.20	5170.00
271.000	117.30	.00	117.35	283.17	.00	118.84	631.16	.00	.00	4999.99	5019.20	.00
271.000	117.97	.67	118.17	171.00	.89	313.27	435.84	171.00	4999.00	4999.99	5019.20	5170.00
279.000	117.42	.00	117.48	287.74	.11	159.73	590.16	.00	.00	4999.99	5019.20	.00
279.000	118.26	.84	118.45	171.00	1.45	334.23	414.32	171.00	4999.00	4999.99	5019.20	5170.00
280.000	117.29	.00	117.54	282.99	.00	420.61	329.39	.00	.00	4999.99	5019.20	.00
280.000	118.23	.93	118.48	150.00	.36	481.52	268.13	150.00	4999.00	4999.99	5019.20	5149.00
* 299.200	117.48	.00	118.01	279.41	.00	499.09	250.91	.00	.00	4999.99	5019.20	.00
299.200	118.23	.75	118.70	150.00	.08	541.64	208.28	150.00	4999.00	4999.99	5019.20	5149.00
* 338.350	118.23	.00	118.86	546.71	82.00	548.64	119.36	.00	.00	5004.00	5022.00	.00
338.350	118.57	.34	119.18	150.00	.00	572.98	177.02	150.00	5004.00	5004.00	5022.00	5154.00
* 425.350	120.22	.00	120.81	547.06	83.02	539.83	122.15	.00	.00	5004.00	5022.00	.00
* 425.350	120.21	-.01	121.06	150.00	.00	609.34	140.65	150.00	5004.00	5004.00	5022.00	5154.00
426.350	120.92	.00	120.98	553.62	291.82	203.58	254.60	.00	.00	5004.00	5022.00	.00
426.350	121.08	.16	121.28	150.00	.00	325.80	424.20	150.00	5004.00	5004.00	5022.00	5154.00
433.650	121.00	.00	121.05	554.42	299.87	196.36	253.77	.00	.00	5004.00	5022.00	.00
433.650	121.27	.27	121.43	150.00	.00	313.58	436.42	150.00	5004.00	5004.00	5022.00	5154.00
434.650	120.94	.00	121.12	553.83	184.41	407.05	158.53	.00	.00	5004.00	5022.00	.00
434.650	121.20	.26	121.52	150.00	.00	509.12	240.88	150.00	5004.00	5004.00	5022.00	5154.00



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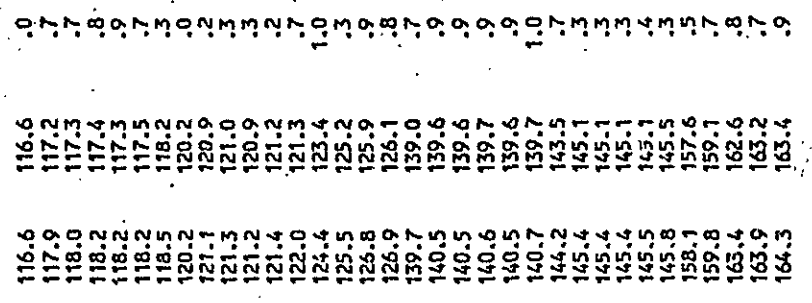
SECHO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
455.650	121.17	.00	121.21	552.93	92.90	224.46	432.64	.00	.00	5004.00	5022.00	.00
455.650	121.40	.23	121.66	150.00	.00	462.31	287.69	150.00	5004.00	5004.00	5022.00	5154.00
565.000	121.35	.00	121.39	353.57	.00	238.44	511.56	.00	.00	5095.00	5127.00	.00
565.000	122.00	.65	122.48	150.00	.00	662.25	87.75	150.00	5095.00	5095.00	5127.00	5245.00
826.000	123.36	.00	123.75	35.76	.00	750.00	.00	.00	.00	4999.99	5036.01	.00
826.000	124.38	1.02	124.63	36.02	.00	750.00	.00	.06	4999.99	4999.99	5036.01	5036.01
969.000	125.23	.00	125.54	133.83	7.05	742.95	.00	.00	.00	4999.99	5036.01	.00
969.000	125.55	.32	125.82	36.02	.00	750.00	.00	.12	4999.99	4999.99	5036.01	5036.01
981.000	125.86	.00	126.06	169.41	49.83	695.76	4.41	.00	.00	4999.99	5036.01	.00
981.000	126.74	.88	126.92	36.02	.00	750.00	.00	.05	4999.99	4999.99	5036.01	5036.01
1016.000	126.07	.00	126.28	166.08	39.00	707.49	3.51	.00	.00	4999.99	5036.01	.00
1016.000	126.91	.83	127.09	36.02	.00	750.00	.00	.18	4999.99	4999.99	5036.01	5036.01
2784.800	139.04	.00	139.20	143.66	23.31	381.42	345.27	.00	.00	5000.00	5015.00	.00
2784.800	139.79	.74	140.04	55.70	.00	487.04	262.96	.36	5000.00	5000.00	5015.00	5055.70
2843.800	139.55	.00	139.70	146.82	25.19	372.50	352.31	.00	.00	5000.00	5015.00	.00
2843.800	140.46	.91	140.67	57.89	.00	465.46	284.54	.35	5000.00	5000.00	5015.00	5057.89
2844.800	139.65	.00	139.73	149.30	33.83	262.53	453.64	.00	.00	5000.00	5015.00	.00
2844.800	140.59	.95	140.71	65.17	.00	332.73	417.26	.38	5000.00	5000.00	5015.00	5065.17
2845.200	139.66	.00	139.74	149.55	34.00	261.94	454.05	.00	.00	5000.00	5015.00	.00
2845.200	140.61	.95	140.72	65.23	.00	332.18	417.82	.38	5000.00	5000.00	5015.00	5065.23
2846.200	139.64	.00	139.77	149.13	26.56	366.27	357.17	.00	.00	5000.00	5015.00	.00
2846.200	140.58	.94	140.76	59.40	.00	446.08	303.92	.35	5000.00	5000.00	5015.00	5059.40
2860.200	139.74	.00	139.88	148.37	26.11	368.30	355.59	.00	.00	5000.00	5015.00	.00
2860.200	140.70	.95	140.89	58.90	.00	457.02	292.98	.35	5000.00	5000.00	5015.00	5058.90
3326.700	143.52	.00	143.85	35.28	2.83	747.17	.00	.00	.00	5015.00	5044.00	.00
3326.700	144.23	.71	144.49	29.00	.00	750.00	.00	.02	5015.00	5015.00	5044.00	5044.00
3493.700	145.07	.00	145.39	29.01	.00	750.00	.00	.00	.00	5015.00	5044.00	.00
3493.700	145.42	.35	145.70	29.00	.00	750.00	.00	.03	5015.00	5015.00	5044.00	5044.00
3494.700	145.07	.00	145.42	35.41	6.41	743.59	.00	.00	.00	5015.00	5044.00	.00
3494.700	145.41	.34	145.74	47.21	14.30	735.03	.67	.00	.00	5015.00	5044.00	.00
3495.300	145.08	.00	145.43	35.42	6.45	743.55	.00	.00	.00	5015.00	5044.00	.00
3495.300	145.43	.34	145.75	48.16	14.97	734.20	.83	.00	.00	5015.00	5044.00	.00
3496.300	145.14	.00	145.45	30.47	.00	750.00	.00	.00	.00	5015.00	5044.00	.00
3496.300	145.50	.36	145.78	29.00	.00	750.00	.00	.03	5015.00	5015.00	5044.00	5044.00

SECNO	CNSEL	DIFKUS	EG	TOPWID	QLOB	GCH	QR08	PERENC	STENCL	STCHL	STCHR	STENCR
3537.300	145.54	.00	145.87	35.26	.00	750.00	.00	.00	.00	5002.00	5044.00	.00
3537.300	145.83	.29	146.12	35.52	.00	750.00	.00	.01	5002.00	5002.00	5044.00	5044.00
4260.000	157.63	.00	158.15	236.13	96.63	607.71	45.66	.00	.00	4999.99	5012.51	.00
4260.000	158.17	.54	159.01	12.90	.73	749.27	.00	.56	4999.61	4999.99	5012.51	5012.51
4309.000	159.08	.00	160.15	12.52	.00	750.00	.00	.00	.00	4999.99	5012.51	.00
4309.000	159.81	.72	160.69	12.52	.00	750.00	.00	.00	4999.99	4999.99	5012.51	5012.51
4440.000	162.56	.00	163.05	12.52	.00	750.00	.00	.00	.00	4999.99	5012.51	.00
4440.000	63.35	.79	163.77	12.52	.00	750.00	.00	.00	4999.99	4999.99	5012.51	5012.51
4452.500	163.19	.00	163.20	409.73	391.36	124.22	234.42	.00	.00	4999.99	5012.51	.00
4452.500	163.88	.69	163.92	100.00	326.24	267.94	155.82	100.00	4950.00	4999.99	5012.51	5050.00
4885.000	163.43	.00	163.45	272.47	340.50	226.89	182.62	.00	.00	5368.75	5383.75	.00
4885.000	164.31	.89	164.35	86.85	342.95	276.18	130.87	.25	5323.60	5368.75	5383.75	5410.45

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FLOODWAY DATA, SPRAINHOOR CREEK
 PROFILE NO. 2

STATION	WIDTH	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION	
				WITH FLOODWAY	WITHOUT FLOODWAY
190.200	170.	214.	3.5	116.6	116.6
270.000	171.	335.	2.2	117.9	117.2
271.000	171.	321.	2.3	118.0	117.3
279.000	171.	370.	2.0	118.2	117.4
280.000	150.	345.	2.2	118.2	117.3
299.200	150.	254.	2.9	118.2	117.5
338.350	150.	295.	2.5	118.5	118.2
425.350	150.	248.	3.0	120.2	120.2
428.350	150.	354.	2.1	121.1	120.9
433.650	150.	382.	2.0	121.3	121.0
434.650	150.	397.	1.9	121.2	120.9
455.650	150.	378.	2.0	121.4	121.2
565.000	150.	228.	3.3	122.0	121.3
826.000	36.	186.	4.0	123.4	123.4
969.000	36.	178.	4.2	125.5	125.2
981.000	36.	221.	3.4	126.8	125.9
1016.000	36.	218.	3.4	126.9	126.1
2784.800	56.	239.	3.1	139.7	139.0
2843.200	58.	263.	2.9	140.5	139.6
2844.800	65.	295.	2.5	140.5	139.6
2845.200	65.	296.	2.5	140.6	139.7
2846.200	59.	276.	2.7	140.5	139.6
2860.200	59.	273.	2.7	140.7	139.7
3326.700	29.	181.	4.1	144.2	143.5
3493.700	29.	175.	4.3	145.4	145.1
3494.700	47.	167.	4.5	145.4	145.1
3495.300	48.	168.	4.5	145.4	145.1
3496.300	29.	177.	4.2	145.5	145.1
3537.300	36.	173.	4.3	145.8	145.5
4260.000	13.	102.	7.3	158.1	157.6
4309.000	13.	99.	7.5	159.8	159.1
4440.000	13.	144.	5.2	163.4	162.6
4452.500	100.	552.	1.4	163.9	163.2
4885.000	87.	555.	1.4	164.3	163.4



NH	4.000	.180	4999.990	.052	5019.200	.150	5243.000	.100	5863.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	4999.000	5170.000	.000
X1	270.000	.000	.000	.000	79.800	79.800	79.800	.000	.520	.000
X5	10.000	.000	.000	.000	.000	.000	.000	117.250	116.870	.000
NH	4.000	.180	4999.990	.052	5019.200	.120	5243.000	.190	5863.000	.000
ET	.000	.000	.000	.000	.000	.600	8.110	4999.000	5170.000	.000

BRIDGE #1 WIDTH:7.3 SKEW:85
ELLCC:118.74

X1	271.000	.000	.000	.000	1.000	1.000	1.000	.000	.000	.000
BT	22.000	4740.000	140.000	140.000	4762.000	135.000	135.000	4795.000	130.000	130.000
BT	.000	4850.000	125.000	125.000	4900.000	120.000	120.000	4999.990	117.250	117.250
BT	.000	5000.000	117.250	113.330	5003.200	117.160	115.660	5007.200	117.050	115.550
BT	.000	5011.200	116.930	115.430	5012.200	116.910	115.410	5016.940	116.770	115.270
BT	.000	5016.950	116.770	115.270	5019.190	116.710	115.210	5019.200	116.870	116.870
BT	.000	5243.000	115.000	115.000	5273.000	115.000	115.000	5291.000	120.000	120.000
BT	.000	5474.000	125.000	125.000	5583.000	130.000	130.000	5806.000	135.000	135.000
BT	.000	5863.000	140.000	140.000	.000	.000	.000	.000	.000	.000

NH	4.000	.180	4999.990	.052	5019.200	.150	5243.000	100.000	5863.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	4999.000	5170.000	.000
X1	279.000	.000	.000	.000	8.000	8.000	8.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	1.000	.000	.000	.000

NH	4.000	.180	4999.990	.052	5019.200	.150	5243.000	100.000	5863.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	4999.000	5149.000	.000
X1	280.000	.000	.000	.000	1.000	1.000	1.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	117.250	116.870	.000

NH	4.000	.180	4999.990	.052	5019.200	.150	5243.000	100.000	5863.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	4999.000	5149.000	.000

LAST BRIDGE CROSS SECTION FOR BRIDGE #1

X1	299.200	22.000	4999.990	5019.200	19.200	19.200	19.200	.000	.700	.000
GR	140.000	4740.000	135.000	4762.000	130.000	4795.000	125.000	4850.000	120.000	4900.000
GR	117.250	4999.990	113.300	5000.000	112.120	5003.200	111.690	5007.200	112.120	5011.200
GR	113.960	5012.200	115.260	5016.940	115.270	5016.950	115.200	5019.190	116.710	5019.200
GR	115.000	5243.000	115.000	5273.000	120.000	5291.000	125.000	5474.000	130.000	5583.000
GR	135.000	5806.000	140.000	5863.000	.000	.000	.000	.000	.000	.000

NC	.100	.100	.050	.100	.300	.000	.000	.000	.000	.000
NH	4.000	.180	5004.000	.052	5022.000	.150	5112.000	100.000	5575.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	5004.000	5154.000	.000

FRIST BRIDGE CROSS SECTION FOR BRIDGE #2

X1	338.350	23.000	5004.000	5022.000	39.150	39.150	39.150	.000	-1.950	.000
GR	140.000	4681.000	135.000	4713.000	130.000	4726.000	125.000	4751.000	120.000	4785.000
GR	119.230	5000.000	118.740	5004.000	117.500	5005.750	117.490	5005.760	114.620	5010.000
GR	114.470	5013.000	114.570	5016.000	115.880	5017.000	117.350	5019.500	117.360	5019.510
GR	119.030	5022.000	119.130	5112.000	115.000	5247.000	120.000	5330.000	125.000	5343.000
GR	130.000	5415.000	135.000	5507.000	140.000	5575.000	.000	.000	.000	.000
NH	.000	.000	.000	.300	.500	.000	.000	.000	.000	.000
NH	4.000	.180	5004.000	.052	5022.000	.150	5112.000	100.000	5575.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	5004.000	5154.000	.000
X1	425.350	.000	.000	.000	64.500	74.500	87.000	.000	1.950	.000
X3	10.000	.000	.000	.000	.000	.000	.000	118.740	119.030	.000
NH	4.000	.180	5004.000	.052	5022.000	.150	5112.000	100.000	5575.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	5004.000	5154.000	.000

BRIDGE #2 WIDTH:8 SKEW:85
ELLC:115.75

X1	426.350	.000	.000	.000	1.000	1.000	1.000	.000	.000	.000
BT	-23.000	4681.000	140.000	140.000	4713.000	135.000	135.000	4726.000	130.000	130.000
BT	.000	4751.000	125.000	125.000	4785.000	120.000	120.000	5000.000	119.230	119.230
BT	.000	5004.000	119.220	118.740	5005.750	119.200	117.500	5005.760	119.200	117.500
BT	.000	5010.000	119.160	117.460	5013.000	119.130	117.430	5016.000	119.090	117.390
BT	.000	5017.000	119.080	117.380	5019.500	119.060	117.360	5019.510	119.060	117.360
BT	.000	5022.000	119.030	119.030	5112.000	119.130	119.130	5247.000	115.000	115.000
BT	.000	5330.000	120.000	120.000	5343.000	125.000	125.000	5415.000	130.000	130.000
BT	.000	5507.000	135.000	135.000	5575.000	140.000	140.000	.000	.000	.000
NH	4.000	.180	5004.000	.052	5022.000	.150	5112.000	100.000	5575.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	5004.000	5154.000	.000
X1	433.650	.000	.000	.000	7.300	7.300	7.300	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	1.000	.000	.000	.000
NH	4.000	.180	5004.000	.052	5022.000	.150	5112.000	100.000	5575.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	5004.000	5154.000	.000
X1	434.650	.000	.000	.000	1.000	1.000	1.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	118.740	119.030	.000
NH	4.000	.180	5004.000	.052	5022.000	.180	5247.000	100.000	5575.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	5004.000	5154.000	.000

LAST BRIDGE CROSS SECTION FOR BRIDGE #2

X1	455.650	23.000	5004.000	5022.000	21.000	21.000	21.000	.000	.330	.000
GR	140.000	4681.000	135.000	4713.000	130.000	4726.000	125.000	4751.000	120.000	4785.000
GR	119.230	5000.000	118.740	5004.000	117.500	5005.750	117.490	5005.760	114.620	5010.000
GR	114.470	5013.000	114.570	5016.000	115.880	5017.000	117.350	5019.500	117.360	5019.510
GR	119.030	5022.000	119.130	5112.000	115.000	5247.000	120.000	5330.000	125.000	5343.000
CR	130.000	5415.000	135.000	5507.000	140.000	5575.000	.000	.000	.000	.000

NC	.100	.100	.050	.100	.300	.000	.000	.000	.000	.000
NH	4.000	.180	5095.000	.052	5127.000	.180	5570.000	100.000	6358.000	.000
ET	.000	.000	.000	.000	.000	.000	8.110	5095.000	5245.000	.000

CROSS SECTION SPF

X1	565.000	25.000	5095.000	5127.000	149.350	99.350	109.350	.000	.000	.000
GR	160.000	5000.000	155.000	5011.000	150.000	5023.000	125.000	5033.000	122.900	5081.000
GR	121.500	5095.000	116.500	5105.000	116.500	5105.000	116.200	5108.000	116.500	5111.000
GR	118.100	5116.000	121.400	5127.000	120.000	5346.000	115.000	5358.000	115.000	5373.000
GR	115.000	5403.000	120.000	5415.000	125.000	5570.000	130.000	5708.000	135.000	6073.000
GR	140.000	6158.000	145.000	6228.000	150.000	6258.000	155.000	6318.000	160.000	6358.000
NC	.180	.130	.085	.100	.300	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	10.410	.000	.000	.000

FRIST BRIDGE CROSS SECTION FOR BRIDGE #11 (SOUTHERN RR)

X1	826.000	21.000	4999.990	5036.010	201.000	291.000	261.000	.000	-1.390	.000
GR	140.000	4830.000	135.000	4865.000	130.000	4885.000	125.000	4903.130	125.000	4999.990
GR	121.390	5001.510	120.240	5004.000	120.020	5004.500	120.120	5017.000	120.240	5022.000
GR	120.240	5022.010	120.240	5023.000	120.240	5023.010	120.240	5028.000	120.910	5032.000
GR	122.190	5034.000	122.190	5035.000	125.230	5036.010	130.000	5286.000	135.000	5344.000
GR	140.000	5411.000	.000	.000	.000	.000	.000	.000	.000	.000
NC	.180	.130	.085	.300	.500	.000	.000	.000	.000	.000
X1	969.000	29.000	4999.990	5036.010	143.000	143.000	143.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	125.130	125.230	.000
GR	140.000	4830.000	135.000	4865.000	130.000	4885.000	125.000	4903.000	125.000	4999.990
GR	122.680	5000.000	122.680	5001.500	121.390	5001.510	120.240	5004.000	120.020	5004.500
GR	120.330	5009.500	120.330	5009.510	120.330	5010.500	120.330	5010.510	120.120	5017.000
GR	120.240	5022.000	120.240	5022.010	120.240	5023.000	120.240	5023.010	120.240	5028.000
GR	120.910	5032.000	122.190	5034.000	122.190	5035.000	122.790	5035.010	122.790	5036.000
GR	125.230	5036.010	130.000	5286.000	135.000	5344.000	140.000	5411.000	.000	.000
SB	1.250	1.560	2.600	.000	19.270	2.000	71.000	3.020	120.020	120.020

BRIDGE #11 WIDTH:10 SKEW:90
ELLC:122.75

X1	981.000	.000	.000	.000	12.000	12.000	12.000	.000	.000	.000
X2	.000	.000	1.000	122.790	125.130	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	125.130	125.230	.000
BT	-29.000	4830.000	140.000	140.000	4865.000	135.000	135.000	4885.000	130.000	130.000
BT	.000	4903.000	125.130	125.130	4999.990	125.130	125.000	5000.000	125.130	122.680
BT	.000	5001.500	125.130	122.680	5001.510	125.130	122.680	5004.000	125.140	122.660
BT	.000	5004.500	125.140	122.660	5009.500	125.160	122.630	5009.510	125.160	120.330
BT	.000	5010.500	125.160	120.330	5010.510	125.160	122.630	5017.000	125.180	122.700
BT	.000	5022.000	125.190	122.750	5022.010	125.190	120.240	5023.000	125.190	120.240
BT	.000	5023.010	125.190	122.750	5028.000	125.210	122.770	5032.000	125.220	122.780
BT	.000	5034.000	125.220	122.790	5035.000	125.230	122.790	5035.010	125.230	122.790
BT	.000	5036.010	125.230	122.790	5036.010	125.230	125.230	5286.000	130.000	130.000
BT	.000	5344.000	135.000	135.000	5411.000	140.000	140.000	.000	.000	.000

X1	2860.200	24.000	5000.000	5015.000	14.000	14.000	14.000	.000	.130	.000
GR	145.000	4936.000	140.000	4971.000	137.100	5000.000	136.700	5000.010	133.690	5001.000
GR	132.200	5003.000	131.820	5006.000	131.980	5009.000	132.030	5011.000	136.430	5012.000
GR	137.180	5015.000	136.570	5035.000	136.870	5059.000	136.160	5069.000	135.540	5076.000
GR	136.280	5023.000	139.010	5097.000	138.260	5103.000	139.230	5117.000	140.090	5131.000
GR	141.210	5145.000	141.210	5151.000	141.740	5151.010	145.000	5183.000	.000	.000
NC	.100	.180	.085	.100	.300	.000	.000	.000	.000	.000

FIRST PIPE CROSS SECTION BY BROYHILL FURNITURE

X1	3326.700	25.000	5015.000	5044.000	468.990	458.990	466.500	.000	-1.410	.000
GR	175.000	4558.000	170.000	4678.000	165.000	4773.000	160.000	4923.000	155.000	4953.000
GR	150.000	4988.000	147.180	5000.000	145.660	5002.000	145.740	5008.000	144.630	5009.000
GR	144.210	5015.000	139.040	5016.000	137.390	5020.000	137.270	5022.000	137.340	5024.000
GR	137.390	5026.000	138.160	5031.500	144.430	5044.000	145.100	5044.010	150.000	5228.000
GR	155.000	5248.000	160.000	5308.000	165.000	5331.000	170.000	5371.000	175.000	5401.000
NC	.100	.180	.085	.300	.500	.000	.000	.000	.000	.000
X1	3493.700	.000	.000	.000	167.000	167.000	167.000	.000	1.410	.000
X3	10.000	.000	.000	.000	.000	.000	.000	145.660	144.090	.000

PIPE WIDTH: .67 SKEW:
ELL: 137.27

X1	3494.700	.000	.000	.000	1.000	1.000	1.000	.000	.000	.000
BT	-25.000	4558.000	175.000	175.000	4678.000	170.000	170.000	4773.000	165.000	165.000
BT	.000	4923.000	160.000	160.000	4953.000	155.000	155.000	4988.000	150.000	150.000
BT	.000	5000.000	147.180	147.180	5002.000	146.190	145.660	5009.000	146.030	145.740
BT	.000	5009.000	146.010	145.340	5015.000	145.850	145.180	5016.000	145.830	145.160
BT	.000	5020.000	145.720	145.050	5022.000	145.670	145.000	5024.000	145.620	144.950
BT	.000	5026.000	145.570	144.900	5031.500	145.420	144.750	5044.000	145.100	144.430
BT	.000	5044.010	145.100	145.100	5228.000	150.000	150.000	5248.000	155.000	155.000
BT	.000	5308.000	160.000	160.000	5331.000	165.000	165.000	5371.000	170.000	170.000
BT	.000	5401.000	175.000	175.000	.000	.000	.000	.000	.000	.000
X1	3495.300	.000	.000	.000	.670	.670	.670	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	1.000	.000	.000	.000
X1	3496.300	.000	.000	.000	1.000	1.000	1.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	145.660	144.090	.000

LAST PIPE CROSS SECTION BY BROYHILL FURNITURE

X1	3537.300	25.000	5002.000	5044.000	41.000	41.000	41.000	.000	.630	.000
GR	175.000	4558.000	170.000	4678.000	165.000	4773.000	160.000	4923.000	155.000	4953.000
GR	150.000	4988.000	147.180	5000.000	145.660	5002.000	145.740	5008.000	144.630	5009.000
GR	144.210	5015.000	139.040	5016.000	137.390	5020.000	137.270	5022.000	137.340	5024.000
GR	137.390	5026.000	138.160	5031.500	144.430	5044.000	145.100	5044.010	150.000	5228.000
GR	155.000	5248.000	160.000	5308.000	165.000	5331.000	170.000	5371.000	175.000	5401.000

NC .100 .150 .085 .100 .300 .000 .000 .000 .000 .000

FRIST BRIDGE CROSS SECTION FOR BRIDGE #10 (US 321)

X1	4260.000	21.000	4999.990	5012.510	713.160	718.160	722.700	.000	-1.810	.000
GR	175.000	4520.000	170.000	4590.000	165.000	4760.000	160.000	4820.000	158.380	4999.990
GR	158.380	5000.000	157.590	5001.000	150.860	5001.010	150.440	5008.000	150.620	5009.000
GR	150.860	5011.000	151.750	5011.010	151.930	5011.500	157.730	5011.510	157.730	5012.500
GR	158.520	5012.510	160.000	5182.500	165.000	5212.500	168.330	5232.500	170.000	5242.500
GR	175.000	5377.500	.000	.000	.000	.000	.000	.000	.000	.000
NC	.100	.150	.085	.300	.500	.000	.000	.000	.000	.000
X1	4309.000	.000	.000	.000	49.000	49.000	49.000	.000	1.810	.000
X3	10.000	.000	.000	.000	.000	.000	.000	166.260	166.400	.000
SB	1.250	2.420	2.600	.000	7.390	.000	73.000	.348	150.390	150.390

BRIDGE #10 WIDTH:11.5 SKEW:75
ELLC:157.73

X1	4440.000	.000	.000	.000	131.000	131.000	131.000	.000	.000	.000
X2	.000	.000	1.000	157.730	166.260	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	166.260	166.400	.000
BT	-21.000	4520.000	175.000	175.000	4590.000	170.000	170.000	4760.000	168.450	165.000
BT	.000	4820.000	167.900	160.000	4999.990	166.260	158.380	5000.000	166.260	158.380
BT	.000	5001.000	166.270	157.590	5001.010	166.270	157.590	5008.000	166.350	157.680
BT	.000	5009.000	166.360	157.700	5011.000	166.380	157.720	5011.010	166.380	157.720
BT	.000	5011.500	166.390	157.730	5011.510	166.390	157.730	5012.500	166.400	157.730
BT	.000	5012.510	166.400	158.520	5182.500	169.180	160.000	5212.500	169.670	165.000
BT	.000	5232.500	170.000	168.330	5242.500	170.160	170.000	5377.500	175.000	175.000
ET	.000	.000	.000	.000	.000	.000	8.100	4950.000	5050.000	.000

LAST BRIDGE CROSS SECTION FOR BRIDGE #10 (US 321)

X1	4452.500	21.000	4999.990	5012.510	12.500	12.500	12.500	.000	.570	.000
GR	175.000	4520.000	170.000	4590.000	165.000	4760.000	160.000	4820.000	158.380	4999.990
GR	158.380	5000.000	157.590	5001.000	150.860	5001.010	150.440	5008.000	150.620	5009.000
GR	150.860	5011.000	151.750	5011.010	151.930	5011.500	157.730	5011.510	157.730	5012.500
GR	158.520	5012.510	160.000	5182.500	165.000	5212.500	168.330	5232.500	170.000	5242.500
GR	175.000	5377.500	.000	.000	.000	.000	.000	.000	.000	.000
NC	.010	.100	.050	.100	.300	.000	.000	.000	.000	.000
NH	4.000	100.000	5304.750	.100	5368.750	.085	5383.750	.150	5503.000	.000
ET	.000	.000	.000	.000	.000	.000	10.410	.000	.000	.000

CROSS SECTION SPH

X1	4885.000	32.000	5368.750	5383.750	447.000	432.000	432.500	.000	.000	.000
GR	175.000	5000.000	170.000	5082.000	165.000	5149.000	161.390	5203.750	159.790	5205.750
GR	159.190	5208.750	160.340	5213.750	160.640	5220.750	160.160	5234.750	159.800	5248.750
GR	159.500	5262.750	159.640	5276.750	159.650	5290.750	159.680	5304.750	159.510	5318.750
GR	158.930	5332.750	158.880	5337.750	158.420	5353.750	158.180	5358.780	157.640	5366.750

THIS RUN EXECUTED 02-17-86 01:32:10

 HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
 ERROR CORR - 01,02,03,04,05,06
 MODIFICATION - 50,51,52,53,54,55,56
 IBM-PC-XT VERSION AUGUST 1985

T1 HAYES, SEAY, MATTERN & MATTERN CALDWELL CO/LENOIR, NC FIS
 T2 FILENAME: SP.HEC ENG: SKE EA: PSJ COMM 2320
 T3 SPAINHOUR CREEK DATE: 02/18/86 FLOODWAY

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	7.	0.	0.	.000000	.00	.0	0.	116.630	.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLOC	IBW	CHNIM	ITRACE
	2.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

IHLEQ = 1. THEREFORE FRICTION LOSS (HL) IS CALCULATED AS A FUNCTION OF PROFILE TYPE, WHICH CAN VARY FROM REACH TO REACH. SEE DOCUMENTATION FOR DETAILS.

THIS RUN EXECUTED 02-17-86 01:32:53

 HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
 ERROR CORR - 01,02,03,04,05,06
 MODIFICATION - 50,51,52,53,54,55,56
 IBM-PC-XT VERSION AUGUST 1985

T1 HAYES, SEAY, MATTERN & MATTERN CALDWELL CO/LENOIR, NC FIS
 T2 FILENAME: SP.HEC ENG: SKE EA: PSJ COMB 2320
 T3 SPAINHOUR CREEK DATE: 02/18/86 10-YEAR EVENT

J1	ICHECK	INQ	HINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	2.	0.	0.	.006500	.00	.0	0.	117.000	.000
J2	XPROF	IPLOT	PRFVS	XSECV	XSECH	FH	ALLOC	IBW	CHNIM	ITRACE
	3.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

INLEQ = 1. THEREFORE FRICTION LOSS (HL) IS CALCULATED AS A FUNCTION OF PROFILE TYPE, WHICH CAN VARY FROM REACH TO REACH. SEE DOCUMENTATION FOR DETAILS.

THIS RUN EXECUTED 02-17-86 01:33:41

 HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
 ERROR CORR - 01,02,03,04,05,06
 MODIFICATION - 50,51,52,53,54,55,56
 IBM-PC-XT VERSION AUGUST 1985

T1 HAYES, SEAY, MATTERN & MATTERN CALDWELL CO/LENOIR, NC FIS
 T2 FILENAME: SP.HEC ENG: SKE EA: PSJ COMM 2320
 T3 SPAINHOUR CREEK DATE: 02/18/86 50-YEAR EVENT

J1	ICHECK	INQ	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FN
	0.	3.	0.	0.	.006500	.00	.0	0.	117.000	.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	4.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

HLRQ = 1. THEREFORE FRICTION LOSS (HL) IS CALCULATED AS A FUNCTION OF PROFILE TYPE, WHICH CAN VARY FROM REACH TO REACH. SEE DOCUMENTATION FOR DETAILS.

THIS RUN EXECUTED 02-17-86 01:34:28

 HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
 ERROR CORR - 01,02,03,04,05,06
 MODIFICATION - 50,51,52,53,54,55,56
 IBM-PC-XT VERSION AUGUST 1985

T1 HAYES, SEAY, MATTERN & MATTERN CALDWELL CO/LENOIR, NC FIS
 T2 FILENAME: SP.HEC ENG: SKE EA: PSJ COMM 2320
 T3 SPAINHOUR CREEK DATE: 02/18/86 100-YEAR EVENT

J1	ICHECK	INQ	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	4.	0.	0.	.006500	.00	.0	0.	117.000	.000
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	5.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

INLEQ = 1. THEREFORE FRICTION LOSS (HL) IS CALCULATED AS A FUNCTION OF PROFILE TYPE, WHICH CAN VARY FROM REACH TO REACH. SEE DOCUMENTATION FOR DETAILS.

THIS RUN EXECUTED 02-17-86 01:35:10

 HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
 ERROR CORR - 01,02,03,04,05,06
 MODIFICATION - 50,51,52,53,54,55,56
 IBM-PC-XT VERSION AUGUST 1985

T1	HAYES, SEAY, MATTERN & MATTERN		CALDWELL CO/LENOIR, NC FIS	
T2	FILENAME: SP.HEC	ENG: SKE	EA: PSJ	COIN 2320
T3	SPAINHOUR CREEK	DATE: 02/18/86	500-YEAR EVENT	

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	5.	0.	0.	.006500	.00	.0	0.	117.000	.000

J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FR	ALLDC	IBW	CHNIN	ITRACE
	15.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

IHLEQ = 1. THEREFORE FRICTION LOSS (HL) IS CALCULATED AS A FUNCTION OF PROFILE TYPE, WHICH CAN VARY FROM REACH TO REACH. SEE DOCUMENTATION FOR DETAILS.

THIS RUN EXECUTED 02-17-86 01:35:52

 HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
 ERROR CORR - 01,02,03,04,05,06
 MODIFICATION - 50,51,52,53,54,55,56
 IBM-PC-XT VERSION AUGUST 1985

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

SPAINHOUR CREEK

SUMMARY PRINTOUT

SECNO	XLCH	CWSEL	ELMIL	SSTA	STENCL	STCHL	STCHR	STENCR	ENDST	TOPWID
190.200	.00	116.63	111.17	4999.99	.00	4999.99	5019.20	.00	5280.73	280.74
190.200	.00	116.63	111.17	4999.99	4999.00	4999.99	5019.20	5170.00	5170.00	170.01
190.200	.00	115.74	111.17	4999.99	.00	4999.99	5019.20	.00	5277.53	204.20
190.200	.00	116.42	111.17	4999.99	.00	4999.99	5019.20	.00	5279.99	280.00
190.200	.00	116.63	111.17	4999.99	.00	4999.99	5019.20	.00	5280.73	280.74
190.200	.00	117.15	111.17	4984.70	.00	4999.99	5019.20	.00	5282.61	297.92
270.000	79.80	117.15	111.69	4999.99	.00	4999.99	5019.20	.00	5280.75	280.76
270.000	79.80	117.86	111.69	4999.00	4999.00	4999.99	5019.20	5170.00	5170.00	171.00
270.000	79.80	116.24	111.69	4999.99	.00	4999.99	5019.20	.00	5019.20	19.20
270.000	79.80	116.94	111.69	4999.99	.00	4999.99	5019.20	.00	5279.99	280.00
270.000	79.80	117.15	111.69	4999.99	.00	4999.99	5019.20	.00	5280.75	280.76
270.000	79.80	117.68	111.69	4984.51	.00	4999.99	5019.20	.00	5282.63	298.12
271.000	1.00	117.30	111.69	4998.12	.00	4999.99	5019.20	.00	5281.29	283.17
271.000	1.00	117.97	111.69	4999.00	4999.00	4999.99	5019.20	5170.00	5170.00	171.00
271.000	1.00	116.85	111.69	4999.99	.00	4999.99	5019.20	.00	5279.64	276.66
271.000	1.00	117.09	111.69	4999.99	.00	4999.99	5019.20	.00	5280.55	280.55
271.000	1.00	117.30	111.69	4998.12	.00	4999.99	5019.20	.00	5281.29	283.17
271.000	1.00	117.82	111.69	4979.34	.00	4999.99	5019.20	.00	5283.15	303.81
279.000	8.00	117.42	111.69	4993.96	.00	4999.99	5019.20	.00	5281.70	287.74
279.000	8.00	118.26	111.69	4999.00	4999.00	4999.99	5019.20	5170.00	5170.00	171.00
279.000	8.00	116.92	111.69	4999.99	.00	4999.99	5019.20	.00	5279.94	279.95
279.000	8.00	117.22	111.69	4999.99	.00	4999.99	5019.20	.00	5280.99	281.00
279.000	8.00	117.42	111.69	4993.96	.00	4999.99	5019.20	.00	5281.70	287.74
279.000	8.00	117.92	111.69	4975.78	.00	4999.99	5019.20	.00	5283.50	307.72
280.000	1.00	117.29	111.69	4998.28	.00	4999.99	5019.20	.00	5281.27	282.99
280.000	1.00	118.23	111.69	4999.00	4999.00	4999.99	5019.20	5149.00	5149.00	150.00
280.000	1.00	116.87	111.69	4999.99	.00	4999.99	5019.20	.00	5279.74	279.75
280.000	1.00	117.11	111.69	4999.99	.00	4999.99	5019.20	.00	5280.59	280.60
280.000	1.00	117.29	111.69	4998.28	.00	4999.99	5019.20	.00	5281.27	282.99
280.000	1.00	117.78	111.69	4980.51	.00	4999.99	5019.20	.00	5283.03	302.52

SECHO	XLCH	CUSEL	ELMIN	SSTA	STENCH	STCHL	STCHR	STENCH	ENDST	TOPVID
* 299.200	19.20	117.48	112.39	4999.99	.00	4999.99	5019.20	.00	5279.40	279.41
299.200	19.20	118.23	112.39	4999.00	4999.00	4999.99	5019.20	5149.00	5149.00	150.00
299.200	19.20	116.85	112.39	4999.99	.00	4999.99	5019.20	.00	5277.14	204.02
* 299.200	19.20	117.19	112.39	4999.99	.00	4999.99	5019.20	.00	5278.36	249.48
* 299.200	19.20	117.48	112.39	4999.99	.00	4999.99	5019.20	.00	5279.40	279.41
299.200	19.20	117.80	112.39	4999.99	.00	4999.99	5019.20	.00	5280.58	280.59
* 338.350	39.15	118.23	112.52	4783.76	.00	5004.00	5022.00	.00	5330.47	546.71
338.350	39.15	118.57	112.52	5004.00	5004.00	5004.00	5022.00	5154.00	5154.00	150.00
338.350	39.15	117.11	112.52	5001.31	.00	5004.00	5022.00	.00	5314.56	257.10
* 338.350	39.15	118.16	112.52	4784.27	.00	5004.00	5022.00	.00	5330.28	546.02
* 338.350	39.15	118.23	112.52	4783.76	.00	5004.00	5022.00	.00	5330.47	546.71
* 338.350	39.15	118.67	112.52	4780.75	.00	5004.00	5022.00	.00	5331.63	550.87
* 425.350	87.00	120.22	114.47	4783.51	.00	5004.00	5022.00	.00	5330.57	547.06
* 425.350	87.00	120.21	114.47	5004.00	5004.00	5004.00	5022.00	5154.00	5154.00	150.00
425.350	87.00	118.68	114.47	5004.09	.00	5004.00	5022.00	.00	5021.48	17.39
* 425.350	87.00	119.98	114.47	4791.31	.00	5004.00	5022.00	.00	5329.63	538.31
* 425.350	87.00	120.22	114.47	4783.51	.00	5004.00	5022.00	.00	5330.57	547.06
* 425.350	87.00	120.55	114.47	4781.23	.00	5004.00	5022.00	.00	5331.44	550.21
426.350	1.00	120.92	114.47	4778.77	.00	5004.00	5022.00	.00	5332.38	553.62
426.350	1.00	121.08	114.47	5004.00	5004.00	5004.00	5022.00	5154.00	5154.00	150.00
426.350	1.00	117.89	114.47	5005.20	.00	5004.00	5022.00	.00	5294.99	157.60
426.350	1.00	120.75	114.47	4779.88	.00	5004.00	5022.00	.00	5331.96	552.08
426.350	1.00	120.92	114.47	4778.77	.00	5004.00	5022.00	.00	5332.38	552.62
426.350	1.00	121.42	114.47	4775.37	.00	5004.00	5022.00	.00	5333.68	558.51
433.650	7.30	121.00	114.47	4778.19	.00	5004.00	5022.00	.00	5332.60	554.42
433.650	7.30	121.27	114.47	5004.00	5004.00	5004.00	5022.00	5154.00	5154.00	150.00
433.650	7.30	119.02	114.47	5001.75	.00	5004.00	5022.00	.00	5313.65	218.12
433.650	7.30	120.83	114.47	4779.33	.00	5004.00	5022.00	.00	5332.17	552.84
433.650	7.30	121.00	114.47	4778.19	.00	5004.00	5022.00	.00	5332.60	554.42
433.650	7.30	121.49	114.47	4774.81	.00	5004.00	5022.00	.00	5333.90	559.08
434.650	1.00	120.94	114.47	4778.62	.00	5004.00	5022.00	.00	5332.44	553.83
434.650	1.00	121.20	114.47	5004.00	5004.00	5004.00	5022.00	5154.00	5154.00	150.00
434.650	1.00	122.35	114.47	4769.05	.00	5004.00	5022.00	.00	5336.10	567.05
434.650	1.00	120.78	114.47	4779.73	.00	5004.00	5022.00	.00	5332.02	552.29
434.650	1.00	120.94	114.47	4778.62	.00	5004.00	5022.00	.00	5332.44	553.83
434.650	1.00	121.42	114.47	4775.37	.00	5004.00	5022.00	.00	5333.68	558.51
455.650	21.00	121.17	114.80	4779.26	.00	5004.00	5022.00	.00	5332.19	552.93
455.650	21.00	121.40	114.80	5004.00	5004.00	5004.00	5022.00	5154.00	5154.00	150.00
455.650	21.00	122.36	114.80	4771.22	.00	5004.00	5022.00	.00	5335.27	564.06
455.650	21.00	120.99	114.80	4700.53	.00	5004.00	5022.00	.00	5331.71	551.18
455.650	21.00	121.17	114.80	4779.26	.00	5004.00	5022.00	.00	5332.19	552.93
455.650	21.00	121.68	114.80	4775.79	.00	5004.00	5022.00	.00	5333.52	557.75

SECNO	XLCH	CWSEL	ELMIN	SSTA	STENCL	STCHL	STCHR	STENCR	ENDST	TOPWID
565.000	109.35	121.35	115.00	5095.30	.00	5095.00	5127.00	.00	5456.85	353.57
565.000	109.35	122.00	115.20	5095.00	5095.00	5095.00	5127.00	5245.00	5245.00	150.00
565.000	109.35	122.37	115.00	5086.27	.00	5095.00	5127.00	.00	5488.57	402.31
565.000	109.35	121.14	115.00	5095.72	.00	5095.00	5127.00	.00	5450.31	312.91
565.000	109.35	121.35	115.00	5095.30	.00	5095.00	5127.00	.00	5456.85	353.57
565.000	109.35	121.89	115.00	5091.08	.00	5095.00	5127.00	.00	5473.64	382.56
826.000	261.00	123.36	118.63	5000.09	.00	4999.99	5036.01	.00	5035.85	35.76
826.000	261.00	124.38	118.63	4999.99	4999.99	4999.99	5036.01	5036.01	5036.01	36.02
826.000	261.00	122.94	118.63	5000.27	.00	4999.99	5036.01	.00	5035.71	35.44
826.000	261.00	123.00	118.63	5000.25	.00	4999.99	5036.01	.00	5035.73	35.49
826.000	261.00	123.36	118.63	5000.09	.00	4999.99	5036.01	.00	5035.85	35.76
826.000	261.00	123.64	118.63	4903.00	.00	4999.99	5036.01	.00	5035.94	132.94
969.000	143.00	125.23	120.02	4902.18	.00	4999.99	5036.01	.00	5036.01	133.83
969.000	143.00	125.55	120.02	4999.99	4999.99	4999.99	5036.01	5036.01	5036.01	36.02
969.000	143.00	123.81	120.02	5000.00	.00	4999.99	5036.01	.00	5036.00	36.01
969.000	143.00	124.77	120.02	4999.99	.00	4999.99	5036.01	.00	5036.01	36.02
969.000	143.00	125.23	120.02	4902.18	.00	4999.99	5036.01	.00	5036.01	133.83
969.000	143.00	126.20	120.02	4898.67	.00	4999.99	5036.01	.00	5086.99	188.32
981.000	12.00	125.86	120.02	4899.89	.00	4999.99	5036.01	.00	5069.29	169.41
981.000	12.00	126.74	120.02	4999.99	4999.99	4999.99	5036.01	5036.01	5036.01	36.02
981.000	12.00	124.32	120.02	4999.99	.00	4999.99	5036.01	.00	5036.01	36.01
981.000	12.00	125.60	120.02	4900.85	.00	4999.99	5036.01	.00	5055.30	154.45
981.000	12.00	125.86	120.02	4899.89	.00	4999.99	5036.01	.00	5069.29	169.41
981.000	12.00	126.45	120.02	4897.77	.00	4999.99	5036.01	.00	5100.11	202.34
1016.000	35.00	126.07	120.28	4900.48	.00	4999.99	5036.01	.00	5066.56	166.08
1016.000	35.00	126.91	120.28	4999.99	4999.99	4999.99	5036.01	5036.01	5036.01	36.02
1016.000	35.00	124.49	120.28	5000.31	.00	4999.99	5036.01	.00	5035.68	35.37
1016.000	35.00	125.79	120.28	4901.54	.00	4999.99	5036.01	.00	5051.49	149.96
1016.000	35.00	126.07	120.28	4900.48	.00	4999.99	5036.01	.00	5066.56	166.08
1016.000	35.00	126.71	120.28	4898.11	.00	4999.99	5036.01	.00	5100.17	202.07
2784.800	1768.80	139.04	131.43	4976.66	.00	5000.00	5015.00	.00	5120.32	143.66
2784.800	1768.80	139.79	131.43	5000.00	5000.00	5000.00	5015.00	5055.70	5055.70	55.70
2784.800	1768.80	137.48	131.43	4992.33	.00	5000.00	5015.00	.00	5091.14	98.81
2784.800	1768.80	138.61	131.43	4981.00	.00	5000.00	5015.00	.00	5113.68	132.56
2784.800	1768.80	139.04	131.43	4976.66	.00	5000.00	5015.00	.00	5120.32	143.66
2784.800	1768.80	140.08	131.43	4967.69	.00	5000.00	5015.00	.00	5135.79	168.10
2843.800	59.00	139.55	131.82	4975.46	.00	5000.00	5015.00	.00	5122.28	146.82
2843.800	59.00	140.46	131.82	5000.00	5000.00	5000.00	5015.00	5057.89	5057.89	57.89
2843.800	59.00	138.09	131.82	4990.08	.00	5000.00	5015.00	.00	5092.29	102.22
2843.800	59.00	139.16	131.82	4979.42	.00	5000.00	5015.00	.00	5115.96	136.53
2843.800	59.00	139.55	131.82	4975.46	.00	5000.00	5015.00	.00	5122.28	146.82
2843.800	59.00	140.53	131.82	4967.31	.00	5000.00	5015.00	.00	5136.46	169.15

SECNO	XLCH	CYSEL	ELMIN	SSTA	STENCL	STCHL	STCHR	STENCR	ENDST	TOPWID
2844.800	1.00	139.65	131.82	4974.51	.00	5000.00	5015.00	.00	5123.82	149.30
2844.800	1.00	140.59	131.82	5000.00	5000.00	5000.00	5015.00	5065.17	5065.17	65.17
2844.800	1.00	138.17	131.82	4989.25	.00	5000.00	5015.00	.00	5092.72	103.47
2844.800	1.00	139.25	131.82	4978.47	.00	5000.00	5015.00	.00	5117.37	138.89
2844.800	1.00	139.65	131.82	4974.51	.00	5000.00	5015.00	.00	5123.82	149.30
2844.800	1.00	140.62	131.82	4966.68	.00	5000.00	5015.00	.00	5137.58	170.90
2845.200	1.00	139.66	131.82	4974.42	.00	5000.00	5015.00	.00	5123.97	149.55
2845.200	1.00	140.61	131.82	5000.00	5000.00	5000.00	5015.00	5065.23	5065.23	65.23
2845.200	1.00	138.19	131.82	4989.13	.00	5000.00	5015.00	.00	5092.78	103.64
2845.200	1.00	139.27	131.82	4978.37	.00	5000.00	5015.00	.00	5117.53	139.16
2845.200	1.00	139.66	131.82	4974.42	.00	5000.00	5015.00	.00	5123.97	149.55
2845.200	1.00	140.63	131.82	4966.63	.00	5000.00	5015.00	.00	5137.69	171.06
2846.200	1.00	139.64	131.82	4974.58	.00	5000.00	5015.00	.00	5123.71	149.13
2846.200	1.00	140.58	131.82	5000.00	5000.00	5000.00	5015.00	5059.40	5059.40	59.40
2846.200	1.00	138.18	131.82	4989.21	.00	5000.00	5015.00	.00	5092.74	103.54
2846.200	1.00	139.25	131.82	4978.52	.00	5000.00	5015.00	.00	5117.29	138.76
2846.200	1.00	139.64	131.82	4974.58	.00	5000.00	5015.00	.00	5123.71	149.13
2846.200	1.00	140.61	131.82	4966.75	.00	5000.00	5015.00	.00	5137.46	170.71
2860.200	14.00	139.74	131.95	4974.87	.00	5000.00	5015.00	.00	5123.24	148.37
2860.200	14.00	140.70	131.95	5000.00	5000.00	5000.00	5015.00	5058.90	5058.90	58.90
2860.200	14.00	138.29	131.95	4989.47	.00	5000.00	5015.00	.00	5092.60	103.13
2860.200	14.00	139.35	131.95	4978.79	.00	5000.00	5015.00	.00	5116.87	138.07
2860.200	14.00	139.74	131.95	4974.87	.00	5000.00	5015.00	.00	5123.24	148.37
2860.200	14.00	140.70	131.95	4967.00	.00	5000.00	5015.00	.00	5137.02	170.03
3326.700	466.50	143.52	135.86	5008.73	.00	5015.00	5044.00	.00	5044.01	35.28
3326.700	466.50	144.23	135.86	5015.00	5015.00	5015.00	5044.00	5044.00	5044.00	29.00
3326.700	466.50	141.64	135.86	5015.22	.00	5015.00	5044.00	.00	5041.25	26.03
3326.700	466.50	143.07	135.86	5011.11	.00	5015.00	5044.00	.00	5044.00	32.89
3326.700	466.50	143.52	135.86	5008.73	.00	5015.00	5044.00	.00	5044.01	35.28
3326.700	466.50	144.56	135.86	5001.59	.00	5015.00	5044.00	.00	5076.73	75.14
3493.700	167.00	145.07	137.27	5015.00	.00	5015.00	5044.00	.00	5044.01	29.01
3493.700	167.00	145.42	137.27	5015.00	5015.00	5015.00	5044.00	5044.00	5044.00	29.00
3493.700	167.00	142.85	137.27	5015.26	.00	5015.00	5044.00	.00	5040.87	25.60
3493.700	167.00	144.53	137.27	5015.00	.00	5015.00	5044.00	.00	5044.00	29.00
3493.700	167.00	145.07	137.27	5015.00	.00	5015.00	5044.00	.00	5044.01	29.01
3493.700	167.00	146.31	137.27	5001.14	.00	5015.00	5044.00	.00	5089.44	88.30
3494.700	1.00	145.07	137.27	5008.60	.00	5015.00	5044.00	.00	5044.01	35.41
3494.700	1.00	145.41	137.27	5008.30	.00	5015.00	5044.00	.00	5055.51	47.21
3494.700	1.00	142.86	137.27	5015.26	.00	5015.00	5044.00	.00	5040.87	25.61
3494.700	1.00	144.54	137.27	5010.29	.00	5015.00	5044.00	.00	5044.00	33.71
3494.700	1.00	145.07	137.27	5008.60	.00	5015.00	5044.00	.00	5044.01	35.41
3494.700	1.00	146.28	137.27	5001.18	.00	5015.00	5044.00	.00	5083.42	87.24

SECD	XLCH	CASEL	ELMIN	SSTA	STENCL	STCHL	STCHR	STENCR	ENDST	TOPWID
3495.300	.67	145.08	137.27	5008.59	.00	5015.00	5044.00	.00	5044.01	35.42
3495.300	.67	145.43	137.27	5008.28	.00	5015.00	5044.00	.00	5056.44	18.16
3495.300	.67	142.87	137.27	5015.26	.00	5015.00	5044.00	.00	5040.88	25.62
3495.300	.67	144.55	137.27	5010.18	.00	5015.00	5044.00	.00	5044.00	35.82
3495.300	.67	145.08	137.27	5008.59	.00	5015.00	5044.00	.00	5044.01	35.42
3495.300	.67	146.33	137.27	5001.12	.00	5015.00	5044.00	.00	5090.25	89.13
3496.300	1.00	145.14	137.27	5015.00	.00	5015.00	5044.00	.00	5045.47	30.47
3496.300	1.00	145.50	137.27	5015.00	5015.00	5015.00	5044.00	5044.00	5045.47	95.40
3496.300	1.00	142.88	137.27	5015.26	.00	5015.00	5044.00	.00	5044.00	30.47
3496.300	1.00	144.56	137.27	5015.00	.00	5015.00	5044.00	.00	5045.47	30.47
3496.300	1.00	145.14	137.27	5015.00	.00	5015.00	5044.00	.00	5096.31	95.40
3496.300	1.00	146.49	137.27	5000.90	.00	5015.00	5044.00	.00	5096.31	95.40
3537.300	41.00	145.54	137.90	5008.75	.00	5002.00	5044.00	.00	5044.01	35.26
3537.300	41.00	145.83	137.90	5008.48	5002.00	5002.00	5044.00	5044.00	5044.00	35.32
3537.300	41.00	143.21	137.90	5015.32	.00	5002.00	5044.00	.00	5040.30	24.98
3537.300	41.00	144.93	137.90	5013.60	.00	5002.00	5044.00	.00	5043.76	30.16
3537.300	41.00	145.54	137.90	5008.75	.00	5002.00	5044.00	.00	5044.01	35.26
3537.300	41.00	146.90	137.90	5001.21	.00	5002.00	5044.00	.00	5087.51	86.30
4260.000	722.70	137.63	148.63	4882.14	.00	4999.99	5012.51	.00	5118.27	236.13
4260.000	722.70	158.17	148.63	4999.61	4999.61	4999.99	5012.51	5012.51	5012.51	12.90
4260.000	722.70	154.78	148.63	5001.00	.00	4999.99	5012.51	.00	5011.51	10.51
4260.000	722.70	157.21	148.63	4929.22	.00	4999.99	5012.51	.00	5069.59	140.37
4260.000	722.70	157.65	148.63	4882.14	.00	4999.99	5012.51	.00	5118.27	236.13
4260.000	722.70	158.24	148.63	4819.34	.00	4999.99	5012.51	.00	5182.83	363.49
4309.000	49.00	159.08	150.44	4999.99	.00	4999.99	5012.51	.00	5012.51	12.52
4309.000	49.00	159.81	150.44	4999.99	4999.99	4999.99	5012.51	5012.51	5012.51	12.52
4309.000	49.00	156.23	150.44	5001.00	.00	4999.99	5012.51	.00	5011.51	10.51
4309.000	49.00	158.75	150.44	4999.99	.00	4999.99	5012.51	.00	5012.51	12.52
4309.000	49.00	159.08	150.44	4999.99	.00	4999.99	5012.51	.00	5012.51	12.52
4309.000	49.00	159.42	150.44	4999.99	.00	4999.99	5012.51	.00	5012.51	12.52
4440.000	131.00	162.56	150.44	4999.99	.00	4999.99	5012.51	.00	5012.51	12.52
4440.000	131.00	163.35	150.44	4999.99	4999.99	4999.99	5012.51	5012.51	5012.51	12.52
4440.000	131.00	160.66	150.44	4999.99	.00	4999.99	5012.51	.00	5012.51	12.52
4440.000	131.00	161.08	150.44	4999.99	.00	4999.99	5012.51	.00	5012.51	12.52
4440.000	131.00	162.56	150.44	4999.99	.00	4999.99	5012.51	.00	5012.51	12.52
4440.000	131.00	166.94	150.44	4693.81	.00	4999.99	5012.51	.00	5224.19	530.38
4452.500	12.50	163.19	151.01	4788.52	.00	4999.99	5012.51	.00	5198.24	409.73
4452.500	12.50	163.88	151.01	4950.00	4950.00	4999.99	5012.51	5050.00	5050.00	100.00
4452.500	12.50	161.15	151.01	4813.00	.00	4999.99	5012.51	.00	5186.00	372.99
4452.500	12.50	161.69	151.01	4806.58	.00	4999.99	5012.51	.00	5189.21	382.63
4452.500	12.50	163.19	151.01	4788.52	.00	4999.99	5012.51	.00	5198.24	409.73
4452.500	12.50	166.95	151.01	4713.24	.00	4999.99	5012.51	.00	5220.76	507.52

SECNO	XLCH	CWSEL	ELMIN	SSTA	STENCL	STCHL	STCHR	STENCR	ENDST	TOPUID
4885.000	432.50	163.43	154.20	5172.82	.00	5368.75	5383.75	.00	5445.29	272.47
4885.000	432.50	164.31	154.20	5323.60	5323.60	5368.75	5383.75	5410.45	5410.45	86.85
4885.000	432.50	161.51	154.20	5201.86	.00	5368.75	5383.75	.00	5439.54	237.68
4885.000	432.50	162.23	154.20	5190.97	.00	5368.75	5383.75	.00	5441.70	250.73
4885.000	432.50	163.43	154.20	5172.82	.00	5368.75	5383.75	.00	5445.29	272.47
4885.000	432.50	167.02	154.20	5121.97	.00	5368.75	5383.75	.00	5458.47	336.50

14112 G.B.

1										
2										
3										
4										
5	DT5.0	360.	630.	750.	1100.	495.	750.			
6										
7										
8	NCO.1	0.1	0.05	0.1	0.3					
9										
10										
11	NH4.0	.18	4999.99	.052	5019.2	.15	5243.	.100	5863.	
12										
13	ET						8.1		6150.	5170.
14							10.44	4999.	5200.	
15										
16	X1190.2	22.	4999.99	5019.2	45.2	140.2	190.2			-0.52
17										
18										
19	GR140.	4740.	135.	4762.	130.	4795.	125.	4850.	120.	4900.
20										
21										
22	GR117.254999.99	113.33	5000.	112.12	5003.2	111.69	5007.2	112.12	5011.2	
23										
24										
25	GR113.965012.2	115.26	5016.94	115.27	5016.95	115.2	5019.19	116.67	5019.2	
26										
27										
28	GR115.	5243.	115.	5273.	120.	5291.	125.	5474.	130.	5583.
29										
30										
31	GR135.	5806.	140.	5863.						
32										
33										
34	NH4.0	.18	4999.99	.052	5019.2	.15	5243.	.100	5863.	
35							8.1			
36	ET						10.44	4999.	5200.	5170.
37	X1270.				79.8	79.8	79.8			0.52
38										
39										
40	X310.						117.25	116.87		
41										
42										
43	NH4.0	.18	4999.99	.052	5019.2	.12	5243.	.19	5863.	
44										
45										5170.
46	X1271.				1.00	1.00	1.00			
47										
48										
49	BT-22.	4740.	140.	140.	4762.	135.	135.	4795.	130.	130.
50										
51										
52	BT	4850.	125.	125.	4900.	120.	120.	4999.99	117.25	117.25
53										
54										
55	BT	5000.	117.25	113.33	5003.2	117.16	115.66	5007.2	117.05	115.55
56										
57	BT	5011.2	116.93	115.43	5012.2	116.91	115.41	5016.94	116.77	115.27

PRINTED IN U.S.A. 2

1										
2										
3										
4	ET					8.11	5009.	5009.	5154.	
5	X1338.3523.	5004.	5022.	39.15	39.15	39.15			-1.95	
6										
7	GR140.	4681.	125.	4713.	130.	4726.	125.	4751.	120.	4785.
8										
9										
10	GR119.235000.	118.74	5004.	117.5	5005.75	117.49	5005.76	114.62	5010.	
11										
12										
13	GR114.475013.	114.57	5016.	115.88	5017.	117.35	5019.5	117.36	5019.51	
14										
15										
16	GR119.035022.	119.13	5112.	115.	5247.	120.	5330.	125.	5343.	
17										
18										
19	GR130.	5415.	135.	3507.	140.	5575.				
20										
21										
22	NC		0.3	0.5						
23										
24										
25	NH4.0	.18	5004.	.052	5022.	.15	5112.	100.	5575.	
26										
27	ET						8.11	5009.	5009.	5154.
28	X1425.35			64.5	74.5	87.			1.95	
29										
30										
31	X310.						118.74	119.03		
32										
33										
34	NH4.0	.18	5004.	.052	5022.	.15	5112.	100.	5575.	
35										
36	X1426.35			1.00	1.00	1.00				
37										
38	BT-23.	4681.	140.	140.	4713.	135.	135.	4726.	130.	130.
39										
40										
41	BT	4751.	125.	125.	4785.	120.	120.	5000.	119.23	119.23
42										
43										
44	BT	5004.	119.22	118.74	5005.75	119.2	117.5	5005.76	119.2	117.5
45										
46										
47	BT	5010.	119.16	117.46	5013.	119.13	117.43	5016.	119.09	117.39
48										
49										
50	BT	5017.	119.08	117.38	5019.5	119.06	117.36	5019.51	119.06	117.36
51										
52										
53	BT	5022.	119.03	119.03	5112.	119.13	119.13	5247.	115.	115.
54										
55										
56	BT	5330.	120.	120.	5343.	125.	125.	5415.	130.	130.
57										

PRINTED IN U.S.A.

14112 G.B.

1										
2										
3										
4	BT	5507.	135.	135.	5575.	140.	140.			
5										
6										
7	NH4.0	.18	5004.	.052	5022.	.15	5112.	100.	5575.	
8										
9	<i>BT</i>						<i>8.11</i>	<i>5004.</i>	<i>5227.</i>	<i>5154.</i>
10	X1433.65				7.3	7.3	7.3			
11										
12										
13	X2						1.			
14										
15										
16	NH4.0	.18	5004.	.052	5022.	.15	5112.	100.	5575.	
17										
18	<i>BT</i>						<i>8.11</i>	<i>5004.</i>	<i>5227.</i>	<i>5154.</i>
19	X1434.65				1.00	1.00	1.00			
20										
21										
22	X310.						118.74	119.03		
23										
24										
25	NH4.0	.18	5004.	.052	5022.	.18	5247.	100.	5575.	
26										
27	<i>BT</i>						<i>8.11</i>	<i>5004.</i>	<i>5227.</i>	<i>5154.</i>
28	X1455.6523.		5004.	5022.	21.	21.	21.		.33	
29										
30										
31	GR140.	4681.	135.	4712.	130.	4726.	125.	4751.	120.	4785.
32										
33										
34	GR119.235000.		118.74	5004.	117.5	5005.75	117.49	5005.75	114.62	5010.
35										
36										
37	GR114.475013.		114.57	5016.	115.88	5017.	117.35	5019.5	117.36	5019.51
38										
39										
40	GR119.035022.		119.13	5112.	115.	5247.	120.	5330.	125.	5343.
41										
42										
43	GR130.	5415.	135.	5507.	140.	5575.				
44										
45										
46	NCO.1	0.1	0.05	0.1	0.3					
47										
48										
49	NH4.0	.18	5095.	.052	5127.	.18	5570.	100.	6358.	
50										
51	<i>BT</i>						<i>8.11</i>	<i>5095.</i>	<i>5245.</i>	<i>5245.</i>
52	X1565.	25.	5095.	5127.	149.35	99.35	109.35			
53										
54										
55	GR160.	5000.	155.	5011.	150.	5023.	125.	5033.	122.9	5091.
56										
57										
58	GR121.5	5095.	116.5	5105.	116.5	5105.	116.2	5108.	116.5	5111.
59										
60										

PRINTED IN U.S.A.

14112 G.B.

1										
2										
3										
4										
5	GR118.1	5116.	121.4	5127.	120.	5346.	115.	5358.	115.	5373.
6										
7	GR115.	5403.	120.	5415.	125.	5570.	130.	5708.	135.	6073.
8										
9										
10	GR140.	6158.	145.	6228.	150.	6258.	155.	6318.	160.	6358.
11										
12										
13	NC. 18	.13	.085	0.1	0.3					
14										
15										
16										
17	X1826.	21.	4999.99	5036.01	201.	291.	261.			-1.39
18										
19	GR140.	4830.	135.	4865.	130.	4885.	125.	4903.13	125.	4999.99
20										
21										
22	GR121.395001.51	120.24	5004.	120.02	5004.5	120.12	5017.	120.24	5022.	
23										
24										
25	GR120.245022.01	120.24	5023.	120.24	5023.01	120.24	5028.	120.91	5032.	
26										
27										
28	GR122.195034.	122.19	5035.	125.23	5036.01	130.	5286.	135.	5344.	
29										
30										
31	GR140.	5411.								
32										
33										
34	NC. 18	.13	.085	0.3	0.5					
35										
36										
37										
38	X1969.	29.	4995.99	5036.01	143.	143.	143.			
39										
40										
41										
42										
43	GR140.	4830.	135.	4865.	130.	4885.	125.	4903.	125.	4999.99
44										
45										
46	GR122.685000.	122.68	5001.5	121.39	5001.51	120.24	5004.	120.02	5004.5	
47										
48										
49	GR120.335009.5	120.33	5009.51	120.33	5010.5	120.33	5010.51	120.12	5017.	
50										
51										
52	GR120.245022.	120.24	5022.01	120.24	5023.	120.24	5023.01	120.24	5028.	
53										
54										
55	GR120.915032.	122.19	5034.	122.19	5035.	122.79	5035.01	122.79	5036.	
56										
57	GR125.235036.01	130.	5286.	135.	5344.	140.	5411.			

PRINTED IN U.S.A.

14112 G.O.

1										
2										
3										
4										
5	SB1.25	1.56	2.6	0.0	19.27	2.	71.	3.02	120.02	120.02
6	BT									
7	X1981.				12.0	12.0	12.0			
8										
9										
10	X2		1.0	122.79	125.13					
11										
12										
13	X310.							125.13	125.23	
14										
15										
16	BT-29.	4830.	140.	140.	4865.	135.	135.	4885.	130.	130.
17										
18										
19	BT	4903.	125.13	125.13	4999.99	125.13	125.	5000.	125.13	122.68
20										
21										
22	BT	5001.5	125.13	122.68	5001.51	125.13	122.68	5004.	125.14	122.66
23										
24										
25	BT	5004.5	125.14	122.66	5009.5	125.16	122.63	5009.51	125.16	120.33
26										
27										
28	BT	5010.5	125.16	120.33	5010.51	125.16	122.63	5017.	125.18	122.70
29										
30										
31	BT	5022.	125.19	122.75	5022.01	125.19	120.24	5023.	125.19	120.24
32										
33										
34	BT	5023.01	125.19	122.75	5028.	125.21	122.77	5032.	125.22	122.78
35										
36										
37	BT	5034.	125.22	122.79	5035.	125.23	122.79	5035.01	125.23	122.79
38										
39										
40	BT	5036.	125.23	122.79	5036.01	125.23	125.23	5286.	130.	130.
41										
42										
43	BT	5344.	135.	135.	5411.	140.	140.			
44										
45	BT									
46	X11016.	21.	4999.99	5036.01	35.	35.	35.			
47										
48										
49	GR140.	4830.	135.	4865.	130.	4885.	125.13	4903.	125.	4999.99
50										
51										
52	GR121.395001.51	120.24	5004.	120.02	5004.3	120.12	5017.	120.24	5022.	
53										
54										
55	GR120.245022.01	120.24	5023.	120.24	5023.01	120.24	5028.	120.91	5032.	
56										
57										
58	GR122.195034.	122.19	5035.	125.23	5036.01	130.	5286.	135.	5344.	

PRINTED IN U.S.A.

14112 G.D.

1										
2										
3										
4										
5	GR140.	5411.								
6										
7	NC.18	.18	.085	0.1	0.3					
8										
9										
10	X12784.824.	5000.	5015.	1748.83	1703.83	1768.8				
11										
12										
13	GR145.	4936.	140.	4971.	137.1	5000.	136.7	5000.01	133.69	5001.
14										
15										
16	GR132.2	5003.	131.82	5006.	131.98	5009.	132.03	5011.	136.43	5012.
17										
18										
19	GR137.185015.	136.57	5035.	136.87	5059.	136.16	5069.	135.54	5076.	
20										
21										
22	GR136.285083.	139.01	5097.	138.26	5103.	139.23	5117.	140.09	5131.	
23										
24										
25										
26	GR141.215145.	141.21	5151.	141.74	5151.01	145.	5183.			
27										
28										
29	NC.18	.18	.085	0.3	0.5					
30										
31										
32	X12843.8			59.	59.	59.			0.39	
33										
34										
35	X310.							137.1	137.18	
36										
37										
38	X12844.8			1.	1.	1.				
39										
40										
41	BT-24.	4936.	145.	145.	4971.	140.	140.	5000.	137.1	137.1
42										
43										
44	BT	5000.01	137.1	136.7	5001.	137.04	136.7	5003.	136.93	136.59
45										
46										
47	BT	5006.	136.77	136.43	5009.	136.6	136.26	5011.	136.49	136.15
48										
49										
50	BT	5012.	136.43	136.43	5015.	137.18	137.18	5035.	136.57	136.57
51										
52										
53	BT	5059.	136.87	136.87	5069.	136.16	136.16	5076.	135.54	135.54
54										
55										
56	BT	5083.	136.28	136.28	5097.	139.01	139.01	5103.	138.26	138.26
57										
58										
59	BT	5117.	139.23	139.23	5131.	140.09	140.09	5145.	141.21	141.21

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14112 G.B.

1										
2										
3										
4										
5	BT	5151.	141.74	141.21	5151.01	141.74	141.74	5183.	145.	145.
6										
7	X12845.2				1.0	1.0	1.0			
8										
9										
10	X2						1.			
11										
12										
13	X12846.2				1.	1.	1.			
14										
15										
16	X310.							137.1	137.18	
17										
18										
19	X12860.224.		5000.	5015.	14.	14.	14.		.13	
20										
21										
22	GR145.	4936.	140.	4971.	137.1	5000.	136.7	5000.01	133.69	5001.
23										
24										
25	GR132.2	5003.	131.82	5006.	131.98	5009.	132.03	5011.	136.43	5012.
26										
27										
28	GR137.185015.		136.57	5035.	136.87	5059.	136.16	5069.	135.54	5076.
29										
30										
31	GR136.285083.		139.01	5097.	138.26	5103.	139.23	5117.	140.09	5131.
32										
33										
34	GR141.215145.		141.21	5151.	141.74	5151.01	145.	5183.		
35										
36										
37	NC. 10	.18	.085	0.1	0.3					
38										
39										
40	X13326.725.		5015.	5044.	468.99	458.99	466.5		-1.41	
41										
42										
43	GR175.	4558.	170.	4678.	165.	4773.	160.	4923.	155.	4953.
44										
45										
46	GR150.	4988.	147.18	5000.	145.66	5002.	145.74	5008.	144.63	5009.
47										
48										
49	GR144.215015.		139.04	5016.	137.39	5020.	137.27	5022.	137.34	5024.
50										
51										
52	GR137.395026.		139.16	5031.5	144.43	5044.	145.1	5044.01	150.	5228.
53										
54										
55	GR155.	5248.	160.	5308.	165.	5331.	170.	5371.	175.	5401.
56										
57	NC. 10	.18	.085	0.3	0.5					

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14112 G.B.

1										
2										
3										
4										
5	GR144.215015.	139.04	5016.	137.39	5020.	137.27	5022.	137.34	5024.	
6										
7	GR137.395026.	138.16	5031.5	144.43	5044.	145.1	5044.01	150.	5228.	
8										
9										
10	GR155. 5248.	160.	5308.	165.	5331.	170.	5371.	175.	5401.	
11										
12										
13	NC.10 .15	.085	0.1	0.3						
14										
15										
16	X14260. 21.	4999.99	5012.51	713.16	718.16	722.7		-1.81		
17										
18										
19	GR175. 4520.	170.	4590.	165.	4760.	160.	4820.	158.38	4999.99	
20										
21										
22	GR158.385000.	157.59	5001.	150.86	5001.01	150.44	5008.	150.62	5009.	
23										
24										
25	GR150.865011.	151.75	5011.01	151.93	5011.5	157.73	5011.51	157.73	5012.5	
26										
27										
28	GR158.525012.51	160.	5182.5	165.	5212.5	168.33	5232.5	170.	5242.5	
29										
30										
31	GR175. 5377.5									
32										
33										
34	NC.10 .15	.085	0.3	0.5						
35										
36										
37	X14309.			49.	49.	49.		1.81		
38										
39										
40	X310.						166.26	166.4		
41										
42										
43	GB1.25 2.42	2.6	0.0	7.39	0.0	73.	0.348	150.39	150.39	
44										
45										
46	X14440.			131.	131.	131.				
47										
48										
49	X2	1.0	157.73	166.26						
50										
51										
52	X310.						166.26	166.4		
53										
54										
55	BT-21. 4520.	175.	175.	4590.	170.	170.	4760.	168.45	165.	
56										
57	BT	4820.	167.9	160.	4999.99	166.26	158.38	5000.	166.26	158.38

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1										
2										
3										
4										
5	GR144.215015.	139.04	5016.	137.39	5020.	137.27	5022.	137.34	5024.	
6										
7	GR137.395026.	138.16	5031.5	144.43	5044.	145.1	5044.01	150.	5228.	
8										
9										
10	GR155. 5248.	160.	5308.	165.	5331.	170.	5371.	175.	5401.	
11										
12										
13	NC. 10	.15	.085	0.1	0.3					
14										
15										
16	X14260. 21.	4999.99	5012.51	713.16	718.16	722.7		-1.81		
17										
18										
19	GR175. 4520.	170.	4590.	165.	4760.	160.	4820.	158.38	4999.99	
20										
21										
22	GR158.385000..	157.59	5001.	150.86	5001.01	150.44	5008.	150.62	5009.	
23										
24										
25	GR150.865011.	151.75	5011.01	151.93	5011.5	157.73	5011.51	157.73	5012.5	
26										
27										
28	GR158.525012.51	160.	5182.5	165.	5212.5	168.33	5232.5	170.	5242.5	
29										
30										
31	GR175. 5377.5									
32										
33										
34	NC. 10	.15	.085	0.3	0.5					
35										
36										
37	X14309.			49.	49.	49.		1.81		
38										
39										
40	X310.						166.26	166.4		
41										
42										
43	BB1.25	2.42	2.6	0.0	7.39	0.0	73.	0.348	150.39	150.39
44										
45										
46	X14440.			131.	131.	131.				
47										
48										
49	X2	1.0	157.73	166.26						
50										
51										
52	X310.						166.26	166.4		
53										
54										
55	BT-21. 4520.	175.	175.	4590.	170.	170.	4760.	168.45	165.	
56										
57	BT	4820.	167.9	160.	4999.99	166.26	158.38	5000.	166.26	158.38

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14112 G.B.

1										
2										
3										
4	BT	5001.	166.27	157.59	5001.01	166.27	157.59	5008.	166.35	157.68
5										
6										
7	BT	5009.	166.36	157.7	5011.	166.38	157.72	5011.01	166.38	157.72
8										
9										
10	BT	5011.5	166.39	157.73	5011.51	166.39	157.73	5012.5	166.4	157.73
11										
12										
13	BT	5012.51	166.4	158.52	5182.5	169.18	160.	5212.5	169.67	165.
14										
15										
16	BT	5232.5	170.	168.33	5242.5	170.16	170.	5377.5	175.	175.
17										
18	<i>BT</i>									
19	X14452.521.	4999.99	5012.51	12.5	12.5	12.5	<i>2.1</i>	4950.	5050.	0.57
20										
21										
22	GR175.	4520.	170.	4590.	165.	4760.	160.	4820.	158.38	4999.99
23										
24										
25	GR158.385000.	157.59	5001.	150.86	5001.01	150.44	5008.	150.62	5009.	
26										
27										
28	GR150.865011.	151.75	5011.01	151.93	5011.5	157.73	5011.51	157.73	5012.5	
29										
30										
31	GR158.525012.51	160.	5182.5	165.	5212.5	168.33	5232.5	170.	5242.5	
32										
33										
34	GR175.	5377.5								
35										
36										
37	NC.01	0.1	0.05	0.1	0.3					
38										
39										
40	NH4.0	100.	5304.75	.10	5368.75	.085	5383.75	.15	5503.	
41										
42	<i>AT</i>						<i>10.41</i>			
43	X14885.32.	5368.75	5383.75	447.	432.	432.5				
44										
45										
46	GR175.	5000.	170.	5082.	165.	5149.	161.39	5203.75	159.79	5205.75
47										
48										
49	GR159.195208.75	160.34	5213.75	160.64	5220.75	160.16	5234.75	159.8	5248.75	
50										
51										
52	GR159.5	5262.75	159.64	5276.75	159.65	5290.75	159.68	5304.75	159.51	5318.75
53										
54										
55	GR158.935332.75	158.88	5337.75	158.42	5353.75	158.18	5358.78	157.64	5366.75	
56										
57	GR157.095368.75	154.52	5371.75	154.26	5373.25	154.2	5374.25	154.26	5376.75	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57

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GR155.675380.75 157.6 5383.75 157.86 5384.75 160. 5435. 165. 5450.

GR170. 5471. 175. 5503.

EJ

T1 HAYES, SEAY, MATTERN & MATTERN CALDWELL CO/LENOIR, NC FIS

T2 FILENAME: SP.HEC ENG: SKE EA: PSJ COMM 2320

T3 SPAINHOUR CREEK DATE: 02/16/86 FLOODWAY

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