

BOWLENS

CREEK

BOWLENS CREEK

YANCEY CO NC FEMA STUDY

500 YR FLOOD

100 YR FLOOD

50 YR FLOOD

10 YR FLOOD

FILE	Q	ELEV	Q	ELEV	Q	ELEV	Q	ELEV
0.080 ^{Q*} D.S.	4275.	2610.3 2615.5	2755.	2603.8 2613.2	2240.	2601.1 2612.2	1285.	2576.2 2610.1
0.080 U.S.	4275.	2617.4	2755.	2614.3	2240.	2612.6	1285.	2610.8
0.250	4215.	2623.8	2715.	2621.6	2210.	2620.9	1270.	2618.6
0.270	4210.	2629.5	2715.	2627.9	2210.	2627.3	1270.	2625.7
0.400	4165.	2644.7	2685.	2643.2	2185.	2642.6	1255.	2641.0
0.640 D.S.	4085.	2658.3	2635.	2656.5	2145.	2655.8	1235.	2654.2
0.640 U.S.	4085.	2659.4	2635.	2658.1	2145.	2657.6	1235.	2656.2
0.810	4025.	2668.5	2595.	2667.0	2115.	2666.4	1215.	2665.1
0.820 D.S.	4025.	2670.7	2595.	2668.9	2115.	2668.2	1215.	2666.6
0.820 U.S.	4025.	2670.9	2595.	2669.7	2115.	2669.1	1215.	2667.8
0.940	3980.	2675.6	2570.	2674.2	2090.	2673.7	1205.	2672.2
0.950 D.S.	3980.	2678.2	2570.	2677.2	2090.	2676.7	1205.	2675.2
0.950 U.S.	3980.	2678.8	2570.	2677.8	2090.	2677.3	1205.	2676.5
1.100	3930.	2691.4	2540.	2690.4	2065.	2689.8	1190.	2688.4
1.240	3885.	2698.9	2510.	2697.7	2040.	2697.3	1175.	2696.2
1.560	3770.	2726.2	2440.	2724.5	1985.	2723.1	1140.	2721.4
1.570 D.S.	3770.	2727.2	2440.	2725.5	1985.	2724.9	1140.	2723.0
1.570 U.S.	3770.	2727.9	2440.	2726.4	1985.	2725.7	1140.	2723.5
1.600	3760.	2729.4	2430.	2727.7	1980.	2726.8	1140.	2725.0
1.660 D.S.	3740.	2733.2	2420.	2732.2	1970.	2731.8	1135.	2730.5
1.660 U.S.	3740.	2734.5	2420.	2733.4	1970.	2732.9	1135.	2731.6
1.760	3705.	2739.3	2395.	2738.6	1950.	2738.4	1125.	2737.7
1.770 D.S.	3705.	2740.5	2395.	2739.8	1950.	2739.4	1125.	2738.6
1.770 U.S.	3705.	2740.8	2395.	2740.0	1950.	2739.7	1125.	2738.9
1.790 D.S.	3700.	2741.8	2390.	2741.2	1945.	2741.0	1120.	2740.2
1.790 U.S.	3700.	2743.2	2390.	2742.4	1945.	2742.1	1120.	2741.3
1.870	3650.	2750.2	2360.	2747.7	1920.	2747.2	1105.	2745.9
1.880 D.S.	3650.	2752.9	2360.	2750.5	1920.	2749.9	1105.	2748.6

2.000	3580.	2760.9	2315.	2759.5	1885.	2758.9	1085.	2757.8
2.120	3500.	2775.0	2270.	2773.6	1845.	2773.1	1065.	2772.2
2.130 D.S.	3500.	2776.3	2270.	2774.9	1845.	2774.4	1065.	2773.4
2.130 U.S.	3500.	2779.0	2270.	2777.4	1845.	2776.4	1065.	2775.3
2.200	3460.	2787.8	2240.	2786.1	1825.	2785.4	1055.	2784.1
2.240	3430.	2795.0	2225.	2792.2	1810.	2791.5	1045.	2790.1
2.250 D.S.	3430.	2796.0	2225.	2793.2	1810.	2792.5	1045.	2791.1
2.250 U.S.	3430.	2798.0	2225.	2795.9	1810.	2794.2	1045.	2792.8
2.440	3315.	2816.7	2150.	2815.1	1750.	2814.4	1010.	2813.1
2.450 D.S.	3315.	2818.6	2150.	2816.8	1750.	2816.1	1010.	2814.5
2.450 U.S.	3315.	2819.0	2150.	2817.2	1750.	2816.5	1010.	2815.0
2.580	3235.	2854.2	2100.	2852.5	1710.	2851.8	990.	2850.4
2.660	3185.	2872.0	2070.	2871.1	1685.	2870.6	975.	2868.5
2.670 D.S.	3185.	2873.8	2070.	2872.9	1685.	2872.6	975.	2870.1
2.670 U.S.	3185.	2874.4	2070.	2874.1	1685.	2873.6	975.	2872.2
2.800	3110.	2887.3	2020.	2886.2	1645.	2885.8	955.	2883.5
2.940	3020.	2901.8	1965.	2900.1	1600.	2899.4	930.	2898.1
2.950 D.S.	3020.	2903.8	1965.	2902.1	1600.	2901.4	930.	2899.8
2.950 U.S.	3020.	2905.1	1965.	2903.9	1600.	2902.4	930.	2900.8
2.960	3020.	2906.9	1965.	2905.1	1600.	2904.5	930.	2903.3
3.060	2950.	2923.9	1920.	2921.8	1565.	2921.2	910.	2919.7
3.070 D.S.	2950.	2926.1	1920.	2923.9	1565.	2923.2	910.	2921.6
3.070 U.S.	2950.	2928.1	1920.	2925.9	1565.	2925.2	910.	2923.7
3.210	2865.	2939.2	1865.	2938.1	1520.	2937.4	885.	2935.7
3.220 D.S.	2865.	2940.1	1865.	2938.8	1520.	2938.1	885.	2936.4
3.220 U.S.	2865.	2942.4	1865.	2940.9	1520.	2940.2	885.	2938.9
3.250	2845.	2949.9	1855.	2948.4	1510.	2947.8	880.	2946.5
3.310	2805.	2968.4	1825.	2967.0	1490.	2966.4	865.	2965.1
3.320 D.S.	2805.	2972.2	1825.	2970.5	1490.	2969.9	865.	2968.0
3.320 U.S.	2805.	2974.9	1825.	2973.9	1490.	2973.1	865.	2970.5
3.360 D.S.	2780.	2980.2	1810.	2979.1	1480.	2978.6	860.	2977.5
3.360 U.S.	2780.	2982.3	1810.	2981.1	1480.	2980.6	860.	2979.7

3.500	2700.	3024.5	1760.	3023.1	1435.	3022.6	835.	3021.4
3.540	2675.	3035.4	1745.	3034.1	1425.	3033.6	830.	3032.4

* CANE RIVER MILE 29.45 ELEVATIONS @ THE
MOUTH OF BOWLENS CREEK

BOWLENS CREEK

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SUMMARY PRINTOUT TABLE 150

SECNO	Q	CMSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
0.080	1285.	2610.1	0.0	0.0	0.0	37.34	0.0
0.080	2240.	2612.2	2.1	0.0	0.0	51.71	0.0
0.080	2755.	2613.2	1.0	0.0	0.0	54.31	0.0
0.080	4275.	2615.5	2.3	0.0	0.0	60.51	0.0
0.080	1285.	2610.5	0.0	0.4	0.0	38.49	60.00
0.080	2240.	2612.7	2.1	0.5	0.0	42.20	60.00
0.080	2755.	2613.6	0.9	0.4	0.0	43.59	60.00
0.080	4275.	2616.0	2.4	0.5	0.0	77.02	60.00
0.080	1285.	2610.5	0.0	0.0	0.0	38.58	72.00
0.080	2240.	2612.7	2.2	0.1	0.0	42.29	72.00
0.080	2755.	2614.4	1.7	0.8	0.0	44.76	72.00
0.080	4275.	2617.5	3.1	1.5	0.0	102.85	72.00
* 0.080	1285.	2610.8	0.0	0.3	0.0	32.27	15.00
* 0.080	2240.	2612.6	1.7	-0.2	0.0	36.78	15.00
0.080	2755.	2614.3	1.7	-0.1	0.0	50.08	15.00
0.080	4275.	2617.4	3.1	-0.1	0.0	58.49	15.00
0.250	1270.	2618.6	0.0	7.8	0.0	55.56	815.00
0.250	2210.	2620.9	2.3	8.3	0.0	64.03	815.00
0.250	2715.	2621.6	0.7	7.3	0.0	66.71	815.00
0.250	4215.	2623.8	2.2	6.4	0.0	74.95	815.00
* 0.270	1270.	2625.7	0.0	7.1	0.0	39.61	100.00
* 0.270	2210.	2627.3	1.5	6.4	0.0	47.29	100.00
* 0.270	2715.	2627.9	0.7	6.3	0.0	50.67	100.00
* 0.270	4210.	2629.5	1.6	5.7	0.0	56.56	100.00
0.400	1255.	2641.0	0.0	15.3	0.0	43.56	650.00
0.400	2185.	2642.6	1.6	15.3	0.0	51.25	650.00
0.400	2685.	2643.2	0.6	15.3	0.0	53.49	650.00
0.400	4165.	2644.7	1.5	15.1	0.0	58.89	650.00
0.640	1235.	2654.2	0.0	13.1	0.0	82.70	1190.00
0.640	2145.	2655.8	1.6	13.2	0.0	112.91	1190.00
0.640	2635.	2656.5	0.7	13.3	0.0	121.95	1190.00
0.640	4085.	2658.3	1.8	13.7	0.0	147.52	1190.00
0.640	1235.	2654.6	0.0	0.4	0.0	88.83	60.00
0.640	2145.	2656.3	1.7	0.5	0.0	119.08	60.00
0.640	2635.	2657.0	0.7	0.5	0.0	128.39	60.00
0.640	4085.	2658.9	1.9	0.6	0.0	156.26	60.00
0.640	1235.	2656.2	0.0	1.6	0.0	117.59	12.00
* 0.640	2145.	2657.6	1.4	1.3	0.0	135.56	12.00
* 0.640	2635.	2658.1	0.5	1.1	0.0	143.51	12.00
* 0.640	4085.	2659.4	1.3	0.5	0.0	163.83	12.00
0.640	1235.	2656.2	0.0	-0.0	0.0	117.50	15.00
0.640	2145.	2657.6	1.4	-0.0	0.0	135.34	15.00
0.640	2635.	2658.1	0.5	-0.0	0.0	143.19	15.00
0.640	4085.	2659.4	1.3	-0.0	0.0	163.19	15.00

BOWLENS CREEK

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SUMMARY PRINTOUT TABLE 150

SECNO	Q	CHSEL	DIFWSP	DJFMSX	DIFKNS	TOPWID	XLCH
0.080	1285.	2610.1	0.0	0.0	0.0	37.34	0.0
0.080	2240.	2612.2	2.1	0.0	0.0	51.71	0.0
0.080	2755.	2613.2	1.0	0.0	0.0	54.31	0.0
0.080	4275.	2615.5	2.3	0.0	0.0	60.51	0.0
0.080	1285.	2610.5	0.0	0.4	0.0	38.49	60.00
0.080	2240.	2612.7	2.1	0.5	0.0	42.20	60.00
0.080	2755.	2613.6	0.9	0.4	0.0	43.59	60.00
0.080	4275.	2616.0	2.4	0.5	0.0	77.02	60.00
0.080	1285.	2610.5	0.0	0.0	0.0	38.58	72.00
0.080	2240.	2612.7	2.2	0.1	0.0	42.29	72.00
0.080	2755.	2614.4	1.7	0.8	0.0	44.76	72.00
0.080	4275.	2617.5	3.1	1.5	0.0	102.85	72.00
* 0.080	1285.	2610.8	0.0	0.3	0.0	32.27	15.00
* 0.080	2240.	2612.6	1.7	-0.2	0.0	36.78	15.00
0.080	2755.	2614.3	1.7	-0.1	0.0	50.08	15.00
0.080	4275.	2617.4	3.1	-0.1	0.0	58.49	15.00
0.250	1270.	2618.6	0.0	7.8	0.0	55.56	815.00
0.250	2210.	2620.9	2.3	8.3	0.0	64.03	815.00
0.250	2715.	2621.6	0.7	7.3	0.0	66.71	815.00
0.250	4215.	2623.8	2.2	6.4	0.0	74.95	815.00
* 0.270	1270.	2625.7	0.0	7.1	0.0	39.61	100.00
* 0.270	2210.	2627.3	1.5	6.4	0.0	47.29	100.00
* 0.270	2715.	2627.9	0.7	6.3	0.0	50.67	100.00
* 0.270	4210.	2629.5	1.6	5.7	0.0	56.56	100.00
0.400	1255.	2641.0	0.0	15.3	0.0	43.56	650.00
0.400	2185.	2642.6	1.6	15.3	0.0	51.25	650.00
0.400	2685.	2643.2	0.6	15.3	0.0	53.49	650.00
0.400	4165.	2644.7	1.5	15.1	0.0	58.89	650.00
0.640	1235.	2654.2	0.0	13.1	0.0	82.70	1190.00
0.640	2145.	2655.8	1.6	13.2	0.0	112.91	1190.00
0.640	2635.	2656.5	0.7	13.3	0.0	121.95	1190.00
0.640	4085.	2658.3	1.8	13.7	0.0	147.52	1190.00
0.640	1235.	2654.6	0.0	0.4	0.0	88.83	60.00
0.640	2145.	2656.3	1.7	0.5	0.0	119.08	60.00
0.640	2635.	2657.0	0.7	0.5	0.0	128.39	60.00
0.640	4085.	2658.9	1.9	0.6	0.0	156.26	60.00
0.640	1235.	2656.2	0.0	1.6	0.0	117.59	12.00
* 0.640	2145.	2657.6	1.4	1.3	0.0	135.56	12.00
* 0.640	2635.	2658.1	0.5	1.1	0.0	143.51	12.00
* 0.640	4085.	2659.4	1.3	0.5	0.0	163.83	12.00
0.640	1235.	2656.2	0.0	-0.0	0.0	117.50	15.00
0.640	2145.	2657.6	1.4	-0.0	0.0	135.34	15.00
0.640	2635.	2658.1	0.5	-0.0	0.0	143.19	15.00
0.640	4085.	2659.4	1.3	-0.0	0.0	163.19	15.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
*	0.810	1215.	2665.1	0.0	9.0	0.0	80.56	910.00
*	0.810	2115.	2666.4	1.3	8.9	0.0	86.28	910.00
*	0.810	2595.	2667.0	0.6	8.9	0.0	88.75	910.00
*	0.810	4025.	2668.5	1.5	9.1	0.0	97.00	910.00
	0.820	1215.	2666.6	0.0	1.5	0.0	87.29	60.00
	0.820	2115.	2668.2	1.6	1.8	0.0	94.18	60.00
	0.820	2595.	2668.9	0.7	1.9	0.0	101.13	60.00
	0.820	4025.	2670.7	1.8	2.2	0.0	122.14	60.00
	0.820	1215.	2667.8	0.0	1.1	0.0	92.21	12.00
	0.820	2115.	2669.1	1.3	0.9	0.0	103.05	12.00
	0.820	2595.	2669.6	0.5	0.7	0.0	108.37	12.00
*	0.820	4025.	2670.9	1.3	0.2	0.0	130.10	12.00
	0.820	1215.	2667.8	0.0	0.0	0.0	92.30	15.00
	0.820	2115.	2669.1	1.3	0.0	0.0	103.18	15.00
	0.820	2595.	2669.7	0.5	0.0	0.0	108.57	15.00
	0.820	4025.	2670.9	1.3	0.0	0.0	130.40	15.00
*	0.940	1205.	2672.2	0.0	4.4	0.0	63.91	585.00
*	0.940	2090.	2673.7	1.5	4.6	0.0	183.90	585.00
*	0.940	2570.	2674.2	0.5	4.5	0.0	198.26	585.00
*	0.940	3980.	2675.6	1.4	4.7	0.0	211.01	585.00
*	0.950	1205.	2675.2	0.0	3.0	0.0	64.08	40.00
*	0.950	2090.	2676.7	1.5	3.0	0.0	183.56	40.00
*	0.950	2570.	2677.2	0.5	3.0	0.0	198.39	40.00
*	0.950	3980.	2678.2	1.0	2.7	0.0	207.89	40.00
	0.950	1205.	2676.5	0.0	1.2	0.0	168.91	12.00
	0.950	2090.	2676.8	0.4	0.1	0.0	190.47	12.00
	0.950	2570.	2677.3	0.5	0.1	0.0	199.49	12.00
	0.950	3980.	2678.5	1.1	0.2	0.0	209.81	12.00
	0.950	1205.	2676.5	0.0	0.1	0.0	174.41	10.00
	0.950	2090.	2677.3	0.8	0.5	0.0	199.20	10.00
	0.950	2570.	2677.8	0.4	0.4	0.0	203.33	10.00
	0.950	3980.	2678.8	1.0	0.3	0.0	212.70	10.00
*	1.100	1190.	2688.4	0.0	11.9	0.0	63.74	790.00
*	1.100	2065.	2689.8	1.4	12.5	0.0	180.10	790.00
*	1.100	2540.	2690.4	0.5	12.6	0.0	197.95	790.00
*	1.100	3930.	2691.4	1.1	12.7	0.0	207.73	790.00
	1.240	1175.	2696.2	0.0	7.8	0.0	125.64	740.00
	1.240	2040.	2697.3	1.0	7.4	0.0	209.57	740.00
	1.240	2510.	2697.7	0.5	7.4	0.0	247.36	740.00
	1.240	3885.	2698.9	1.2	7.5	0.0	268.30	740.00
*	1.560	1140.	2721.4	0.0	25.2	0.0	29.83	1710.00
*	1.560	1985.	2723.1	1.7	25.8	0.0	34.12	1710.00
*	1.560	2440.	2724.5	1.4	26.8	0.0	140.01	1710.00
*	1.560	3770.	2726.2	1.7	27.3	0.0	334.40	1710.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
1.570	1140.	2723.0	0.0	1.6	0.0	31.38	60.00
1.570	1985.	2724.9	1.9	1.8	0.0	123.69	60.00
1.570	2440.	2725.5	0.6	1.0	0.0	140.24	60.00
1.570	3770.	2727.2	1.7	1.0	0.0	334.52	60.00
1.570	1140.	2723.1	0.0	0.1	0.0	31.71	12.00
1.570	1985.	2724.9	1.8	0.0	0.0	124.09	12.00
1.570	2440.	2725.6	0.7	0.1	0.0	144.76	12.00
1.570	3770.	2727.4	1.8	0.2	0.0	336.72	12.00
1.570	1140.	2723.5	0.0	0.4	0.0	32.77	15.00
1.570	1985.	2725.7	2.1	0.8	0.0	145.81	15.00
1.570	2440.	2726.4	0.7	0.8	0.0	163.31	15.00
1.570	3770.	2727.9	1.5	0.6	0.0	344.22	15.00
1.600	1140.	2725.0	0.0	1.5	0.0	30.90	100.00
1.600	1980.	2726.8	1.8	1.1	0.0	121.67	100.00
1.600	2430.	2727.7	0.9	1.3	0.0	141.23	100.00
1.600	3760.	2729.4	1.7	1.4	0.0	334.00	100.00
1.660	1135.	2730.5	0.0	5.5	0.0	138.54	235.00
1.660	1970.	2731.8	1.4	5.0	0.0	220.87	235.00
1.660	2420.	2732.2	0.4	4.5	0.0	236.48	235.00
1.660	3740.	2733.2	0.9	3.8	0.0	281.97	235.00
1.660	1135.	2731.3	0.0	0.8	0.0	196.78	40.00
1.660	1970.	2732.5	1.2	0.7	0.0	245.47	40.00
1.660	2420.	2733.0	0.4	0.7	0.0	269.00	40.00
1.660	3740.	2734.0	1.1	0.9	0.0	531.75	40.00
1.660	1135.	2731.5	0.0	0.2	0.0	180.46	1.00
1.660	1970.	2732.7	1.2	0.2	0.0	251.47	1.00
1.660	2420.	2733.3	0.6	0.4	0.0	292.37	1.00
1.660	3740.	2734.6	1.3	0.6	0.0	549.78	1.00
1.660	1135.	2731.7	0.0	0.2	0.0	193.82	12.00
1.660	1970.	2732.9	1.2	0.2	0.0	260.38	12.00
1.660	2420.	2733.4	0.5	0.1	0.0	302.37	12.00
1.660	3740.	2734.6	1.2	0.1	0.0	551.81	12.00
1.660	1135.	2731.8	0.0	0.0	0.0	218.08	1.00
1.660	1970.	2732.8	1.1	-0.1	0.0	261.33	1.00
1.660	2420.	2733.3	0.5	-0.1	0.0	294.47	1.00
1.660	3740.	2734.5	1.2	-0.2	0.0	546.71	1.00
1.660	1135.	2731.8	0.0	0.0	0.0	220.49	10.00
1.660	1970.	2732.9	1.1	0.0	0.0	264.32	10.00
1.660	2420.	2733.4	0.5	0.0	0.0	298.00	10.00
1.660	3740.	2734.5	1.2	0.0	0.0	548.00	10.00
1.760	1125.	2737.7	0.0	5.9	0.0	229.06	515.00
1.760	1950.	2738.4	0.7	5.5	0.0	278.02	515.00
1.760	2395.	2738.6	0.3	5.3	0.0	336.78	515.00
1.760	3705.	2739.3	0.7	4.8	0.0	545.50	515.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
1.770	1125.	2738.6	0.0	0.9	0.0	336.36	40.00
1.770	1950.	2739.4	0.8	1.1	0.0	553.07	40.00
1.770	2395.	2739.8	0.3	1.1	0.0	588.72	40.00
1.770	3705.	2740.5	0.7	1.1	0.0	630.79	40.00
1.770	1125.	2738.6	0.0	0.0	0.0	328.63	1.00
1.770	1950.	2739.4	0.8	0.0	0.0	534.78	1.00
1.770	2395.	2739.8	0.3	0.0	0.0	560.75	1.00
1.770	3705.	2740.5	0.7	0.1	0.0	591.63	1.00
1.770	1125.	2738.7	0.0	0.1	0.0	360.60	12.00
1.770	1950.	2739.6	0.8	0.1	0.0	543.82	12.00
1.770	2395.	2739.9	0.3	0.1	0.0	570.52	12.00
1.770	3705.	2740.6	0.7	0.1	0.0	594.48	12.00
1.770	1125.	2738.8	0.0	0.0	0.0	380.80	1.00
1.770	1950.	2739.6	0.8	0.0	0.0	563.95	1.00
1.770	2395.	2739.9	0.3	0.0	0.0	604.68	1.00
1.770	3705.	2740.6	0.7	0.0	0.0	637.18	1.00
1.770	1125.	2738.9	0.0	0.1	0.0	425.80	10.00
1.770	1950.	2739.7	0.8	0.1	0.0	581.16	10.00
1.770	2395.	2740.0	0.3	0.1	0.0	615.12	10.00
1.770	3705.	2740.8	0.7	0.2	0.0	648.97	10.00
* 1.790	1120.	2740.2	0.0	1.3	0.0	289.23	85.00
* 1.790	1945.	2741.0	0.8	1.3	0.0	330.90	85.00
* 1.790	2390.	2741.2	0.3	1.2	0.0	350.76	85.00
* 1.790	3700.	2741.8	0.6	1.1	0.0	568.26	85.00
1.790	1120.	2741.1	0.0	0.9	0.0	336.65	40.00
1.790	1945.	2741.8	0.8	0.9	0.0	568.00	40.00
1.790	2390.	2742.2	0.3	0.9	0.0	580.11	40.00
1.790	3700.	2742.9	0.7	1.0	0.0	606.01	40.00
1.790	1120.	2741.1	0.0	-0.0	0.0	278.27	1.00
1.790	1945.	2741.9	0.8	0.1	0.0	537.25	1.00
1.790	2390.	2742.3	0.4	0.1	0.0	557.34	1.00
1.790	3700.	2743.0	0.7	0.1	0.0	601.06	1.00
1.790	1120.	2741.3	0.0	0.2	0.0	310.26	12.00
1.790	1945.	2742.1	0.8	0.2	0.0	550.94	12.00
1.790	2390.	2742.4	0.3	0.2	0.0	562.59	12.00
1.790	3700.	2743.1	0.7	0.1	0.0	610.10	12.00
1.790	1120.	2741.3	0.0	0.1	0.0	384.03	1.00
1.790	1945.	2742.1	0.8	-0.0	0.0	577.82	1.00
1.790	2390.	2742.4	0.3	-0.0	0.0	590.19	1.00
1.790	3700.	2743.1	0.7	-0.0	0.0	615.86	1.00
1.790	1120.	2741.3	0.0	0.0	0.0	391.39	10.00
1.790	1945.	2742.1	0.8	0.0	0.0	578.56	10.00
1.790	2390.	2742.4	0.3	0.0	0.0	590.81	10.00
1.790	3700.	2743.2	0.7	0.0	0.0	616.73	10.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	1.870	1105.	2745.9	0.0	4.6	0.0	47.56	395.00
*	1.870	1920.	2747.2	1.2	5.1	0.0	53.41	395.00
*	1.870	2360.	2747.7	0.6	5.3	0.0	56.08	395.00
*	1.870	3650.	2750.2	2.5	7.1	0.0	553.98	395.00
*	1.880	1105.	2748.6	0.0	2.7	0.0	48.39	80.00
*	1.880	1920.	2749.9	1.3	2.7	0.0	54.52	80.00
*	1.880	2360.	2750.5	0.6	2.8	0.0	57.34	80.00
*	1.880	3650.	2752.9	2.4	2.7	0.0	565.64	80.00
*	1.880	1105.	2750.3	0.0	1.7	0.0	56.54	12.00
*	1.880	1920.	2751.7	1.4	1.8	0.0	113.73	12.00
*	1.880	2360.	2751.4	-0.3	0.9	0.0	65.46	12.00
*	1.880	3650.	2753.1	1.7	0.2	0.0	582.59	12.00
*	1.880	1105.	2750.5	0.0	0.2	0.0	57.57	20.00
*	1.880	1920.	2752.0	1.5	0.4	0.0	496.78	20.00
*	1.880	2360.	2752.2	0.2	0.8	0.0	518.29	20.00
*	1.880	3650.	2753.6	1.3	0.5	0.0	614.96	20.00
*	2.000	1085.	2757.8	0.0	7.3	0.0	50.50	700.00
*	2.000	1885.	2758.9	1.1	6.9	0.0	54.08	700.00
*	2.000	2315.	2759.5	0.5	7.2	0.0	57.99	700.00
*	2.000	3580.	2760.9	1.4	7.3	0.0	68.92	700.00
*	2.120	1065.	2772.2	0.0	14.3	0.0	50.93	650.00
*	2.120	1845.	2773.1	0.9	14.1	0.0	53.91	650.00
*	2.120	2270.	2773.6	0.5	14.1	0.0	57.56	650.00
*	2.120	3500.	2775.0	1.4	14.1	0.0	68.23	650.00
*	2.130	1065.	2773.4	0.0	1.2	0.0	50.63	60.00
*	2.130	1845.	2774.4	1.0	1.3	0.0	53.98	60.00
*	2.130	2270.	2774.9	0.5	1.3	0.0	57.68	60.00
*	2.130	3500.	2776.3	1.4	1.3	0.0	68.45	60.00
*	2.130	1065.	2773.4	0.0	0.0	0.0	50.78	12.00
*	2.130	1845.	2776.9	3.5	2.5	0.0	73.28	12.00
*	2.130	2270.	2777.8	0.8	2.8	0.0	79.94	12.00
*	2.130	3500.	2779.4	1.7	3.1	0.0	92.91	12.00
*	2.130	1065.	2775.3	0.0	1.9	0.0	50.49	15.00
*	2.130	1845.	2776.4	1.1	-0.5	0.0	54.08	15.00
*	2.130	2270.	2777.4	0.9	-0.4	0.0	61.02	15.00
*	2.130	3500.	2779.0	1.6	-0.5	0.0	73.66	15.00
*	2.200	1055.	2784.1	0.0	8.7	0.0	34.94	370.00
*	2.200	1825.	2785.4	1.3	8.9	0.0	39.03	370.00
*	2.200	2240.	2786.1	0.7	8.7	0.0	41.10	370.00
*	2.200	3460.	2787.8	1.7	8.8	0.0	46.42	370.00
*	2.240	1045.	2790.1	0.0	6.0	0.0	34.65	230.00
*	2.240	1810.	2791.5	1.4	6.1	0.0	39.08	230.00
*	2.240	2225.	2792.2	0.7	6.1	0.0	41.16	230.00
*	2.240	3430.	2795.0	2.9	7.3	0.0	354.40	230.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
*	2.250	1045.	2791.1	0.0	1.0	0.0	34.61	40.00
*	2.250	1810.	2792.5	1.4	1.0	0.0	39.15	40.00
*	2.250	2225.	2793.2	0.7	1.0	0.0	41.24	40.00
*	2.250	3430.	2796.0	2.8	1.0	0.0	355.48	40.00
	2.250	1045.	2791.4	0.0	0.3	0.0	35.54	12.00
	2.250	1810.	2792.9	1.5	0.4	0.0	40.37	12.00
	2.250	2225.	2796.4	3.5	3.2	0.0	433.58	12.00
	2.250	3430.	2797.2	0.8	1.2	0.0	495.74	12.00
*	2.250	1045.	2792.8	0.0	1.4	0.0	34.44	10.00
*	2.250	1810.	2794.2	1.4	1.3	0.0	38.90	10.00
	2.250	2225.	2795.9	1.7	-0.5	0.0	44.10	10.00
*	2.250	3430.	2798.0	2.1	0.7	0.0	412.66	10.00
	2.440	1010.	2813.1	0.0	20.3	0.0	32.91	970.00
*	2.440	1750.	2814.4	1.3	20.2	0.0	37.12	970.00
*	2.440	2150.	2815.1	0.7	19.2	0.0	39.26	970.00
*	2.440	3315.	2816.7	1.7	18.8	0.0	44.61	970.00
	2.450	1010.	2814.5	0.0	1.4	0.0	35.08	60.00
	2.450	1750.	2816.1	1.7	1.7	0.0	40.40	60.00
	2.450	2150.	2816.8	0.7	1.8	0.0	42.69	60.00
	2.450	3315.	2818.6	1.8	1.9	0.0	48.30	60.00
	2.450	1010.	2814.6	0.0	0.1	0.0	35.38	12.00
	2.450	1750.	2816.3	1.7	0.1	0.0	40.83	12.00
	2.450	2150.	2817.0	0.7	0.2	0.0	43.19	12.00
*	2.450	3315.	2819.4	2.4	0.8	0.0	51.02	12.00
*	2.450	1010.	2815.0	0.0	0.5	0.0	32.42	15.00
*	2.450	1750.	2816.5	1.5	0.2	0.0	37.11	15.00
*	2.450	2150.	2817.2	0.7	0.2	0.0	39.28	15.00
	2.450	3315.	2819.0	1.9	-0.4	0.0	45.26	15.00
*	2.580	990.	2850.4	0.0	35.4	0.0	32.27	630.00
*	2.580	1710.	2851.8	1.4	35.3	0.0	36.88	630.00
*	2.580	2100.	2852.5	0.7	35.3	0.0	38.97	630.00
*	2.580	3235.	2854.2	1.7	35.1	0.0	44.33	630.00
*	2.660	975.	2868.5	0.0	18.1	0.0	38.41	310.00
*	2.660	1685.	2870.6	2.1	18.8	0.0	151.95	310.00
*	2.660	2070.	2871.1	0.5	18.6	0.0	157.52	310.00
*	2.660	3185.	2872.0	0.9	17.9	0.0	165.92	310.00
*	2.670	975.	2870.1	0.0	1.6	0.0	18.00	60.00
*	2.670	1685.	2872.6	2.5	2.0	0.0	131.71	60.00
*	2.670	2070.	2872.9	0.3	1.9	0.0	133.77	60.00
*	2.670	3185.	2873.8	0.8	1.8	0.0	170.03	60.00
*	2.670	975.	2871.1	0.0	1.0	0.0	106.81	12.00
*	2.670	1685.	2872.8	1.6	0.2	0.0	132.76	12.00
*	2.670	2070.	2873.2	0.4	0.2	0.0	135.19	12.00
*	2.670	3185.	2874.0	0.8	0.2	0.0	172.25	12.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
2.670	975.	2872.2	0.0	1.0	0.0	155.53	15.00
2.670	1685.	2873.6	1.4	0.8	0.0	168.18	15.00
2.670	2070.	2874.1	0.5	0.9	0.0	172.90	15.00
2.670	3185.	2874.4	0.3	0.4	0.0	175.42	15.00
* 2.800	955.	2883.5	0.0	11.4	0.0	40.49	680.00
* 2.800	1645.	2885.8	2.3	12.2	0.0	156.88	680.00
* 2.800	2020.	2886.2	0.4	12.1	0.0	160.11	680.00
* 2.800	3110.	2887.3	1.1	12.9	0.0	170.23	680.00
2.940	930.	2898.1	0.0	14.6	0.0	28.75	720.00
* 2.940	1600.	2899.4	1.3	13.6	0.0	32.62	720.00
* 2.940	1965.	2900.1	0.7	13.9	0.0	34.67	720.00
* 2.940	3020.	2901.8	1.7	14.5	0.0	53.10	720.00
* 2.950	930.	2899.8	0.0	1.8	0.0	28.05	40.00
* 2.950	1600.	2901.4	1.5	2.0	0.0	32.63	40.00
* 2.950	1965.	2902.1	0.7	2.0	0.0	34.71	40.00
* 2.950	3020.	2903.8	1.7	2.0	0.0	53.16	40.00
2.950	930.	2899.9	0.0	0.0	0.0	28.07	22.00
2.950	1600.	2901.9	2.1	0.5	0.0	34.27	22.00
2.950	1965.	2903.7	1.8	1.7	0.0	38.79	22.00
2.950	3020.	2904.6	0.9	0.8	0.0	66.07	22.00
2.950	930.	2900.8	0.0	0.9	0.0	30.81	10.00
2.950	1600.	2902.4	1.7	0.5	0.0	35.75	10.00
2.950	1965.	2903.9	1.5	0.2	0.0	54.84	10.00
2.950	3020.	2905.1	1.2	0.5	0.0	74.11	10.00
* 2.960	930.	2903.3	0.0	2.5	0.0	44.20	50.00
* 2.960	1600.	2904.5	1.3	2.1	0.0	64.86	50.00
* 2.960	1965.	2905.1	0.5	1.2	0.0	73.76	50.00
* 2.960	3020.	2906.9	1.8	1.8	0.0	239.12	50.00
* 3.060	910.	2919.7	0.0	16.4	0.0	26.50	510.00
* 3.060	1565.	2921.2	1.5	16.7	0.0	29.93	510.00
* 3.060	1920.	2921.8	0.6	16.7	0.0	32.82	510.00
* 3.060	2950.	2923.9	2.1	17.1	0.0	72.25	510.00
* 3.070	910.	2921.6	0.0	2.0	0.0	26.44	60.00
* 3.070	1565.	2923.2	1.5	2.0	0.0	29.86	60.00
* 3.070	1920.	2923.9	0.7	2.1	0.0	34.11	60.00
* 3.070	2950.	2926.1	2.2	2.2	0.0	73.13	60.00
3.070	910.	2922.4	0.0	0.8	0.0	28.13	12.00
* 3.070	1565.	2923.8	1.4	0.6	0.0	32.46	12.00
* 3.070	1920.	2924.1	0.4	0.2	0.0	36.64	12.00
* 3.070	2950.	2926.3	2.2	0.2	0.0	74.05	12.00
* 3.070	910.	2923.7	0.0	1.3	0.0	26.52	15.00
* 3.070	1565.	2925.2	1.5	1.4	0.0	29.93	15.00
* 3.070	1920.	2925.9	0.7	1.7	0.0	33.89	15.00
* 3.070	2950.	2928.1	2.2	1.8	0.0	72.91	15.00

SECNO	Q	CHSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
3.210	885.	2935.7	0.0	12.0	0.0	35.13	710.00
3.210	1520.	2937.4	1.7	12.2	0.0	39.14	710.00
3.210	1865.	2938.1	0.7	12.2	0.0	40.76	710.00
3.210	2865.	2939.2	1.1	11.1	0.0	43.18	710.00
3.220	885.	2936.4	0.0	0.7	0.0	32.54	60.00
3.220	1520.	2938.1	1.6	0.7	0.0	36.52	60.00
3.220	1865.	2938.8	0.7	0.7	0.0	38.12	60.00
3.220	2865.	2940.1	1.3	0.9	0.0	39.25	60.00
3.220	885.	2936.5	0.0	0.1	0.0	32.76	12.00
3.220	1520.	2938.2	1.6	0.1	0.0	36.77	12.00
3.220	1865.	2938.9	0.7	0.1	0.0	38.22	12.00
3.220	2865.	2940.3	1.4	0.2	0.0	39.43	12.00
3.220	885.	2938.9	0.0	2.4	0.0	31.50	15.00
3.220	1520.	2940.2	1.3	2.1	0.0	34.71	15.00
3.220	1865.	2940.9	0.6	2.0	0.0	36.26	15.00
3.220	2865.	2942.4	1.5	2.1	0.0	39.73	15.00
3.250	880.	2946.5	0.0	7.6	0.0	31.46	100.00
3.250	1510.	2947.8	1.3	7.6	0.0	34.68	100.00
3.250	1855.	2948.4	0.6	7.6	0.0	36.17	100.00
3.250	2845.	2949.9	1.5	7.6	0.0	39.67	100.00
3.310	865.	2965.1	0.0	18.6	0.0	33.77	315.00
3.310	1490.	2966.4	1.3	18.5	0.0	47.64	315.00
3.310	1825.	2967.0	0.6	18.5	0.0	54.26	315.00
3.310	2805.	2968.4	1.5	18.5	0.0	70.34	315.00
3.320	865.	2968.0	0.0	2.9	0.0	20.00	60.00
3.320	1490.	2969.9	1.9	3.5	0.0	49.00	60.00
3.320	1825.	2970.5	0.6	3.5	0.0	54.84	60.00
3.320	2805.	2972.2	1.8	3.8	0.0	71.89	60.00
3.320	865.	2968.8	0.0	0.8	0.0	19.42	1.00
3.320	1490.	2971.0	2.2	1.1	0.0	42.59	1.00
3.320	1825.	2972.0	1.0	1.5	0.0	60.90	1.00
3.320	2805.	2974.0	2.0	1.7	0.0	92.31	1.00
3.320	865.	2969.8	0.0	1.0	0.0	19.53	12.00
3.320	1490.	2972.4	2.6	1.4	0.0	68.90	12.00
3.320	1825.	2973.9	1.5	1.9	0.0	91.23	12.00
3.320	2805.	2975.1	1.2	1.1	0.0	150.02	12.00
3.320	865.	2970.7	0.0	0.9	0.0	56.57	1.00
3.320	1490.	2973.1	2.5	0.7	0.0	80.35	1.00
3.320	1825.	2974.0	0.9	0.1	0.0	88.67	1.00
3.320	2805.	2975.2	1.2	0.1	0.0	174.07	1.00
3.320	865.	2970.5	0.0	-0.2	0.0	37.89	15.00
3.320	1490.	2973.1	2.6	-0.1	0.0	66.20	15.00
3.320	1825.	2973.9	0.9	-0.1	0.0	75.76	15.00
3.320	2805.	2974.9	1.0	-0.3	0.0	87.04	15.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	3.360	860.	2977.5	0.0	7.0	0.0	54.00	160.00
*	3.360	1480.	2978.6	1.1	5.5	0.0	69.21	160.00
*	3.360	1810.	2979.1	0.5	5.1	0.0	74.28	160.00
*	3.360	2780.	2980.2	1.2	5.3	0.0	86.86	160.00
	3.360	860.	2978.9	0.0	1.4	0.0	69.15	60.00
	3.360	1480.	2980.2	1.3	1.6	0.0	86.15	60.00
	3.360	1810.	2980.7	0.6	1.7	0.0	91.06	60.00
	3.360	2780.	2982.2	1.4	1.9	0.0	119.61	60.00
*	3.360	860.	2980.0	0.0	1.1	0.0	84.45	12.00
*	3.360	1480.	2981.1	1.0	0.9	0.0	92.08	12.00
*	3.360	1810.	2981.5	0.4	0.7	0.0	93.44	12.00
*	3.360	2780.	2982.4	1.0	0.3	0.0	120.56	12.00
	3.360	860.	2979.7	0.0	-0.3	0.0	58.91	15.00
*	3.360	1480.	2980.6	0.9	-0.5	0.0	69.30	15.00
*	3.360	1810.	2981.1	0.5	-0.4	0.0	74.41	15.00
*	3.360	2780.	2982.3	1.2	-0.1	0.0	87.51	15.00
*	3.480	840.	3001.4	0.0	21.7	0.0	35.74	600.00
*	3.480	1445.	3002.6	1.2	22.0	0.0	39.01	600.00
*	3.480	1765.	3003.1	0.5	22.1	0.0	40.45	600.00
*	3.480	2710.	3004.5	1.4	22.2	0.0	47.25	600.00
*	3.500	835.	3021.4	0.0	20.0	0.0	35.59	100.00
*	3.500	1435.	3022.6	1.2	20.0	0.0	38.99	100.00
*	3.500	1760.	3023.1	0.5	20.0	0.0	40.43	100.00
*	3.500	2700.	3024.5	1.3	20.0	0.0	47.20	100.00
*	3.540	830.	3032.4	0.0	11.0	0.0	35.55	275.00
*	3.540	1425.	3033.6	1.2	11.0	0.0	38.93	275.00
*	3.540	1745.	3034.1	0.5	11.0	0.0	40.36	275.00
*	3.540	2675.	3035.4	1.3	11.0	0.0	46.95	275.00

SUMMARY OF ERRORS

CAUTION SECNO= 0.080 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 0.080 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 0.270 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 0.270 PROFILE= 1
PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 0.270 PROFILE= 1
20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 0.270 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 0.270 PROFILE= 2
PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 0.270 PROFILE= 2
20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 0.270 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 0.270 PROFILE= 3
PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 0.270 PROFILE= 3
20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 0.270 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 0.270 PROFILE= 4
PROBABLE MINIMUM SPECIFIC ENERGY

 MEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
 ERROR CORR - 01,02,03
 MODIFICATION - 50,51,52,53,54

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

BOWLENS CREEK

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CHSEL	CRWS
0.080	0.	0.0	0.0	2603.0	1285.0	2610.07	0.0
0.080	0.	0.0	0.0	2603.0	2240.0	2612.19	0.0
0.080	0.	0.0	0.0	2603.0	2755.0	2613.15	0.0
0.080	0.	0.0	0.0	2603.0	4275.0	2615.45	0.0
0.080	60.	0.0	0.0	2603.0	1285.0	2610.51	0.0
0.080	60.	0.0	0.0	2603.0	2240.0	2612.65	0.0
0.080	60.	0.0	0.0	2603.0	2755.0	2613.60	0.0
0.080	60.	0.0	0.0	2603.0	4275.0	2615.98	0.0
0.080	72.	2615.1	2614.0	2603.0	1285.0	2610.55	0.0
0.080	72.	2615.1	2614.0	2603.0	2240.0	2612.71	0.0
0.080	72.	2615.1	2614.0	2603.0	2755.0	2614.39	0.0
0.080	72.	2615.1	2614.0	2603.0	4275.0	2617.50	0.0
* 0.080	15.	0.0	0.0	2605.7	1285.0	2610.81	2610.8
* 0.080	15.	0.0	0.0	2605.7	2240.0	2612.55	2612.5
0.080	15.	0.0	0.0	2605.7	2755.0	2614.28	0.0
0.080	15.	0.0	0.0	2605.7	4275.0	2617.40	0.0
0.250	815.	0.0	0.0	2610.4	1270.0	2618.58	0.0
0.250	815.	0.0	0.0	2610.4	2210.0	2620.86	0.0
0.250	815.	0.0	0.0	2610.4	2715.0	2621.59	0.0
0.250	815.	0.0	0.0	2610.4	4215.0	2623.81	0.0
* 0.270	100.	0.0	0.0	2620.9	1270.0	2625.73	2625.7
* 0.270	100.	0.0	0.0	2620.9	2210.0	2627.27	2627.2
* 0.270	100.	0.0	0.0	2620.9	2715.0	2627.94	2627.9
* 0.270	100.	0.0	0.0	2620.9	4210.0	2629.55	2629.5
0.400	650.	0.0	0.0	2635.4	1255.0	2641.02	0.0
0.400	650.	0.0	0.0	2635.4	2185.0	2642.57	0.0
0.400	650.	0.0	0.0	2635.4	2685.0	2643.19	0.0
0.400	650.	0.0	0.0	2635.4	4165.0	2644.66	0.0
0.640	1190.	0.0	0.0	2648.5	1235.0	2654.15	0.0
0.640	1190.	0.0	0.0	2648.5	2145.0	2655.79	0.0
0.640	1190.	0.0	0.0	2648.5	2635.0	2656.50	0.0
0.640	1190.	0.0	0.0	2648.5	4085.0	2658.34	0.0

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS
0.640	60.	0.0	0.0	2648.5	1235.0	2654.59	0.0
0.640	60.	0.0	0.0	2648.5	2145.0	2656.27	0.0
0.640	60.	0.0	0.0	2648.5	2635.0	2657.02	0.0
0.640	60.	0.0	0.0	2648.5	4085.0	2658.91	0.0
0.640	12.	2654.0	2654.0	2648.5	1235.0	2656.16	0.0
* 0.640	12.	2654.0	2654.0	2648.5	2145.0	2657.57	0.0
* 0.640	12.	2654.0	2654.0	2648.5	2635.0	2658.08	0.0
* 0.640	12.	2654.0	2654.0	2648.5	4085.0	2659.38	0.0
0.640	15.	0.0	0.0	2649.4	1235.0	2656.15	0.0
0.640	15.	0.0	0.0	2649.4	2145.0	2657.56	0.0
0.640	15.	0.0	0.0	2649.4	2635.0	2658.06	0.0
0.640	15.	0.0	0.0	2649.4	4085.0	2659.35	0.0
* 0.810	910.	0.0	0.0	2659.5	1215.0	2665.10	2665.1
* 0.810	910.	0.0	0.0	2659.5	2115.0	2666.42	2666.4
* 0.810	910.	0.0	0.0	2659.5	2595.0	2666.98	2666.9
* 0.810	910.	0.0	0.0	2659.5	4025.0	2668.50	2668.5
0.820	60.	0.0	0.0	2659.5	1215.0	2666.64	0.0
0.820	60.	0.0	0.0	2659.5	2115.0	2668.21	0.0
0.820	60.	0.0	0.0	2659.5	2595.0	2668.92	0.0
0.820	60.	0.0	0.0	2659.5	4025.0	2670.67	0.0
0.820	12.	2665.7	2664.3	2659.5	1215.0	2667.78	0.0
0.820	12.	2665.7	2664.3	2659.5	2115.0	2669.10	0.0
0.820	12.	2665.7	2664.3	2659.5	2595.0	2669.64	0.0
0.820	12.	2665.7	2664.3	2659.5	4025.0	2670.92	0.0
0.820	15.	0.0	0.0	2659.5	1215.0	2667.80	0.0
0.820	15.	0.0	0.0	2659.5	2115.0	2669.12	0.0
0.820	15.	0.0	0.0	2659.5	2595.0	2669.66	0.0
0.820	15.	0.0	0.0	2659.5	4025.0	2670.93	0.0
* 0.940	585.	0.0	0.0	2667.8	1205.0	2672.23	2672.2
* 0.940	585.	0.0	0.0	2667.8	2090.0	2673.71	2673.7
* 0.940	585.	0.0	0.0	2667.8	2570.0	2674.20	2674.2
0.940	585.	0.0	0.0	2667.8	3980.0	2675.58	0.0
* 0.950	40.	0.0	0.0	2670.8	1205.0	2675.25	2675.2
* 0.950	40.	0.0	0.0	2670.8	2090.0	2676.70	2676.7
* 0.950	40.	0.0	0.0	2670.8	2570.0	2677.22	2677.2
* 0.950	40.	0.0	0.0	2670.8	3980.0	2678.25	2678.2
0.950	12.	2675.2	2674.7	2670.8	1205.0	2676.45	0.0
0.950	12.	2675.2	2674.7	2670.8	2090.0	2676.81	0.0
0.950	12.	2675.2	2674.7	2670.8	2570.0	2677.33	0.0
0.950	12.	2675.2	2674.7	2670.8	3980.0	2678.45	0.0
0.950	10.	0.0	0.0	2670.8	1205.0	2676.55	0.0
0.950	10.	0.0	0.0	2670.8	2090.0	2677.31	0.0
0.950	10.	0.0	0.0	2670.8	2570.0	2677.75	0.0
0.950	10.	0.0	0.0	2670.8	3980.0	2678.77	0.0

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRHS
*	1.100	790.	0.0	0.0	2684.0	1190.0	2688.40	2688.4
*	1.100	790.	0.0	0.0	2684.0	2065.0	2689.84	2689.8
*	1.100	790.	0.0	0.0	2684.0	2540.0	2690.37	2690.3
*	1.100	790.	0.0	0.0	2684.0	3930.0	2691.43	2691.4
	1.240	740.	0.0	0.0	2691.0	1175.0	2696.22	0.0
	1.240	740.	0.0	0.0	2691.0	2040.0	2697.26	0.0
	1.240	740.	0.0	0.0	2691.0	2510.0	2697.72	0.0
	1.240	740.	0.0	0.0	2691.0	3885.0	2698.92	0.0
*	1.560	1710.	0.0	0.0	2716.5	1140.0	2721.40	2721.4
*	1.560	1710.	0.0	0.0	2716.5	1985.0	2723.06	2723.0
*	1.560	1710.	0.0	0.0	2716.5	2440.0	2724.48	2724.4
*	1.560	1710.	0.0	0.0	2716.5	3770.0	2726.20	2726.2
	1.570	60.	0.0	0.0	2717.5	1140.0	2722.99	0.0
	1.570	60.	0.0	0.0	2717.5	1985.0	2724.85	2723.9
*	1.570	60.	0.0	0.0	2717.5	2440.0	2725.48	2725.4
*	1.570	60.	0.0	0.0	2717.5	3770.0	2727.21	2727.2
	1.570	12.	2724.5	2723.1	2717.5	1140.0	2723.12	0.0
	1.570	12.	2724.5	2723.1	2717.5	1985.0	2724.89	0.0
	1.570	12.	2724.5	2723.1	2717.5	2440.0	2725.62	0.0
	1.570	12.	2724.5	2723.1	2717.5	3770.0	2727.38	0.0
	1.570	15.	0.0	0.0	2717.5	1140.0	2723.53	0.0
	1.570	15.	0.0	0.0	2717.5	1985.0	2725.67	2724.4
	1.570	15.	0.0	0.0	2717.5	2440.0	2726.40	0.0
	1.570	15.	0.0	0.0	2717.5	3770.0	2727.94	0.0
	1.600	100.	0.0	0.0	2719.7	1140.0	2725.01	0.0
	1.600	100.	0.0	0.0	2719.7	1980.0	2726.81	2726.3
*	1.600	100.	0.0	0.0	2719.7	2430.0	2727.72	2727.7
*	1.600	100.	0.0	0.0	2719.7	3760.0	2729.37	2729.3
	1.660	235.	0.0	0.0	2725.7	1135.0	2730.47	2729.9
	1.660	235.	0.0	0.0	2725.7	1970.0	2731.83	0.0
	1.660	235.	0.0	0.0	2725.7	2420.0	2732.23	0.0
	1.660	235.	0.0	0.0	2725.7	3740.0	2733.16	0.0
	1.660	40.	0.0	0.0	2725.7	1135.0	2731.32	0.0
	1.660	40.	0.0	0.0	2725.7	1970.0	2732.51	0.0
	1.660	40.	0.0	0.0	2725.7	2420.0	2732.95	0.0
	1.660	40.	0.0	0.0	2725.7	3740.0	2734.03	0.0
*	1.660	1.	2733.2	2731.5	2725.6	1135.0	2731.50	2731.5
	1.660	1.	2733.2	2731.5	2725.6	1970.0	2732.74	0.0
	1.660	1.	2733.2	2731.5	2725.6	2420.0	2733.31	0.0
	1.660	1.	2733.2	2731.5	2725.6	3740.0	2734.58	0.0
	1.660	12.	2733.2	2731.5	2725.6	1135.0	2731.73	0.0
	1.660	12.	2733.2	2731.5	2725.6	1970.0	2732.89	0.0
	1.660	12.	2733.2	2731.5	2725.6	2420.0	2733.44	0.0
	1.660	12.	2733.2	2731.5	2725.6	3740.0	2734.65	0.0

2

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS
1.660	1.	0.0	0.0	2725.7	1135.0	2731.77	0.0
1.660	1.	0.0	0.0	2725.7	1970.0	2732.82	0.0
1.660	1.	0.0	0.0	2725.7	2420.0	2733.33	0.0
1.660	1.	0.0	0.0	2725.7	3740.0	2734.49	0.0
1.660	10.	0.0	0.0	2725.7	1135.0	2731.81	0.0
1.660	10.	0.0	0.0	2725.7	1970.0	2732.86	0.0
1.660	10.	0.0	0.0	2725.7	2420.0	2733.37	0.0
1.660	10.	0.0	0.0	2725.7	3740.0	2734.52	0.0
* 1.760	515.	0.0	0.0	2734.0	1125.0	2737.70	2737.7
* 1.760	515.	0.0	0.0	2734.0	1950.0	2738.35	2738.3
* 1.760	515.	0.0	0.0	2734.0	2395.0	2738.64	2738.6
* 1.760	515.	0.0	0.0	2734.0	3705.0	2739.33	2739.3
1.770	40.	0.0	0.0	2734.0	1125.0	2738.63	0.0
1.770	40.	0.0	0.0	2734.0	1950.0	2739.43	0.0
1.770	40.	0.0	0.0	2734.0	2395.0	2739.75	0.0
1.770	40.	0.0	0.0	2734.0	3705.0	2740.46	0.0
1.770	1.	2744.1	2741.8	2734.1	1125.0	2738.64	0.0
1.770	1.	2744.1	2741.8	2734.1	1950.0	2739.45	0.0
1.770	1.	2744.1	2741.8	2734.1	2395.0	2739.78	0.0
1.770	1.	2744.1	2741.8	2734.1	3705.0	2740.51	0.0
1.770	12.	2744.1	2741.8	2734.1	1125.0	2738.74	0.0
1.770	12.	2744.1	2741.8	2734.1	1950.0	2739.56	0.0
1.770	12.	2744.1	2741.8	2734.1	2395.0	2739.89	0.0
1.770	12.	2744.1	2741.8	2734.1	3705.0	2740.62	0.0
1.770	1.	0.0	0.0	2734.0	1125.0	2738.76	0.0
1.770	1.	0.0	0.0	2734.0	1950.0	2739.56	0.0
1.770	1.	0.0	0.0	2734.0	2395.0	2739.90	0.0
1.770	1.	0.0	0.0	2734.0	3705.0	2740.62	0.0
1.770	10.	0.0	0.0	2734.0	1125.0	2738.88	0.0
1.770	10.	0.0	0.0	2734.0	1950.0	2739.70	0.0
1.770	10.	0.0	0.0	2734.0	2395.0	2740.04	0.0
1.770	10.	0.0	0.0	2734.0	3705.0	2740.78	0.0
* 1.790	85.	0.0	0.0	2734.5	1120.0	2740.20	2740.2
* 1.790	85.	0.0	0.0	2734.5	1945.0	2740.95	2740.9
* 1.790	85.	0.0	0.0	2734.5	2390.0	2741.23	2741.2
* 1.790	85.	0.0	0.0	2734.5	3700.0	2741.83	2741.8
1.790	40.	0.0	0.0	2734.5	1120.0	2741.06	0.0
1.790	40.	0.0	0.0	2734.5	1945.0	2741.82	0.0
1.790	40.	0.0	0.0	2734.5	2390.0	2742.16	0.0
1.790	40.	0.0	0.0	2734.5	3700.0	2742.85	0.0
1.790	1.	2742.9	2742.4	2733.5	1120.0	2741.05	0.0
1.790	1.	2742.9	2742.4	2733.5	1945.0	2741.89	0.0
1.790	1.	2742.9	2742.4	2733.5	2390.0	2742.27	0.0
1.790	1.	2742.9	2742.4	2733.5	3700.0	2742.99	0.0

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRHS
1.790	12.	2742.9	2742.4	2733.5	1120.0	2741.27	0.0
1.790	12.	2742.9	2742.4	2733.5	1945.0	2742.09	0.0
1.790	12.	2742.9	2742.4	2733.5	2390.0	2742.43	0.0
1.790	12.	2742.9	2742.4	2733.5	3700.0	2743.14	0.0
1.790	1.	0.0	0.0	2734.5	1120.0	2741.33	0.0
1.790	1.	0.0	0.0	2734.5	1945.0	2742.09	0.0
1.790	1.	0.0	0.0	2734.5	2390.0	2742.42	0.0
1.790	1.	0.0	0.0	2734.5	3700.0	2743.13	0.0
1.790	10.	0.0	0.0	2736.8	1120.0	2741.34	0.0
1.790	10.	0.0	0.0	2736.8	1945.0	2742.10	0.0
1.790	10.	0.0	0.0	2736.8	2390.0	2742.44	0.0
1.790	10.	0.0	0.0	2736.8	3700.0	2743.15	0.0
* 1.870	395.	0.0	0.0	2742.0	1105.0	2745.94	2745.9
* 1.870	395.	0.0	0.0	2742.0	1920.0	2747.16	2747.1
* 1.870	395.	0.0	0.0	2742.0	2360.0	2747.72	2747.7
* 1.870	395.	0.0	0.0	2742.0	3650.0	2750.21	2750.2
* 1.880	80.	0.0	0.0	2744.5	1105.0	2748.61	2748.6
* 1.880	80.	0.0	0.0	2744.5	1920.0	2749.89	2749.8
* 1.880	80.	0.0	0.0	2744.5	2360.0	2750.48	2750.4
* 1.880	80.	0.0	0.0	2744.5	3650.0	2752.86	2752.8
* 1.880	12.	2751.0	2749.9	2744.5	1105.0	2750.30	0.0
1.880	12.	2751.0	2749.9	2744.5	1920.0	2751.69	0.0
1.880	12.	2751.0	2749.9	2744.5	2360.0	2751.39	0.0
1.880	12.	2751.0	2749.9	2744.5	3650.0	2753.08	0.0
1.880	20.	0.0	0.0	2744.5	1105.0	2750.53	0.0
1.880	20.	0.0	0.0	2744.5	1920.0	2752.05	2749.6
1.880	20.	0.0	0.0	2744.5	2360.0	2752.23	2750.2
1.880	20.	0.0	0.0	2744.5	3650.0	2753.57	0.0
* 2.000	700.	0.0	0.0	2753.3	1085.0	2757.85	2757.8
* 2.000	700.	0.0	0.0	2753.3	1885.0	2758.95	2758.9
* 2.000	700.	0.0	0.0	2753.3	2315.0	2759.48	2759.4
* 2.000	700.	0.0	0.0	2753.3	3580.0	2760.87	2760.8
2.120	650.	0.0	0.0	2767.5	1065.0	2772.18	0.0
* 2.120	650.	0.0	0.0	2767.5	1845.0	2773.10	2773.1
* 2.120	650.	0.0	0.0	2767.5	2270.0	2773.62	2773.6
* 2.120	650.	0.0	0.0	2767.5	3500.0	2774.98	2774.9
2.130	60.	0.0	0.0	2768.8	1065.0	2773.39	2773.3
* 2.130	60.	0.0	0.0	2768.8	1845.0	2774.42	2774.4
* 2.130	60.	0.0	0.0	2768.8	2270.0	2774.94	2774.9
* 2.130	60.	0.0	0.0	2768.8	3500.0	2776.31	2776.3
2.130	12.	2776.4	2775.5	2768.8	1065.0	2773.43	0.0
* 2.130	12.	2776.4	2775.5	2768.8	1845.0	2776.92	0.0
2.130	12.	2776.4	2775.5	2768.8	2270.0	2777.77	0.0
2.130	12.	2776.4	2775.5	2768.8	3500.0	2779.43	0.0

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CMSEL	CRINS
* 2.130	15.	0.0	0.0	2770.8	1065.0	2775.34	2775.3
2.130	15.	0.0	0.0	2770.8	1845.0	2776.44	2776.4
2.130	15.	0.0	0.0	2770.8	2270.0	2777.36	0.0
2.130	15.	0.0	0.0	2770.8	3500.0	2778.97	0.0
* 2.200	370.	0.0	0.0	2779.7	1055.0	2784.08	0.0
2.200	370.	0.0	0.0	2779.7	1825.0	2785.39	2785.3
* 2.200	370.	0.0	0.0	2779.7	2240.0	2786.06	2786.0
2.200	370.	0.0	0.0	2779.7	3460.0	2787.76	2787.7
* 2.240	230.	0.0	0.0	2785.9	1045.0	2790.10	2790.1
2.240	230.	0.0	0.0	2785.9	1810.0	2791.50	2791.5
* 2.240	230.	0.0	0.0	2785.9	2225.0	2792.15	2792.1
2.240	230.	0.0	0.0	2785.9	3430.0	2795.02	2795.0
* 2.250	40.	0.0	0.0	2786.9	1045.0	2791.08	2791.0
2.250	40.	0.0	0.0	2786.9	1810.0	2792.52	2792.5
* 2.250	40.	0.0	0.0	2786.9	2225.0	2793.18	2793.1
2.250	40.	0.0	0.0	2786.9	3430.0	2796.03	2796.0
2.250	12.	2795.3	2795.0	2786.9	1045.0	2791.38	0.0
2.250	12.	2795.3	2795.0	2786.9	1810.0	2792.91	0.0
2.250	12.	2795.3	2795.0	2786.9	2225.0	2796.41	0.0
2.250	12.	2795.3	2795.0	2786.9	3430.0	2797.24	0.0
* 2.250	10.	0.0	0.0	2788.6	1045.0	2792.82	2792.8
2.250	10.	0.0	0.0	2788.6	1810.0	2794.25	2794.2
* 2.250	10.	0.0	0.0	2788.6	2225.0	2795.92	0.0
2.250	10.	0.0	0.0	2788.6	3430.0	2797.97	2797.9
* 2.440	970.	0.0	0.0	2808.5	1010.0	2813.09	0.0
2.440	970.	0.0	0.0	2808.5	1750.0	2814.40	2814.4
* 2.440	970.	0.0	0.0	2808.5	2150.0	2815.07	2815.0
2.440	970.	0.0	0.0	2808.5	3315.0	2816.74	2816.7
* 2.450	60.	0.0	0.0	2809.2	1010.0	2814.46	0.0
2.450	60.	0.0	0.0	2809.2	1750.0	2816.13	0.0
* 2.450	60.	0.0	0.0	2809.2	2150.0	2816.84	0.0
2.450	60.	0.0	0.0	2809.2	3315.0	2818.60	0.0
2.450	12.	2822.2	2820.5	2809.2	1010.0	2814.56	0.0
2.450	12.	2822.2	2820.5	2809.2	1750.0	2816.26	0.0
2.450	12.	2822.2	2820.5	2809.2	2150.0	2817.00	0.0
2.450	12.	2822.2	2820.5	2809.2	3315.0	2819.44	0.0
* 2.450	15.	0.0	0.0	2810.6	1010.0	2815.03	2815.0
2.450	15.	0.0	0.0	2810.6	1750.0	2816.50	2816.5
* 2.450	15.	0.0	0.0	2810.6	2150.0	2817.18	2817.1
2.450	15.	0.0	0.0	2810.6	3315.0	2819.05	0.0
* 2.580	630.	0.0	0.0	2846.0	990.0	2850.39	2850.3
2.580	630.	0.0	0.0	2846.0	1710.0	2851.83	2851.8
* 2.580	630.	0.0	0.0	2846.0	2100.0	2852.48	2852.4
2.580	630.	0.0	0.0	2846.0	3235.0	2854.16	2854.1

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS
*	2.660	310.	0.0	0.0	2864.2	975.0	2868.50	2868.5
*	2.660	310.	0.0	0.0	2864.2	1685.0	2870.62	2870.6
*	2.660	310.	0.0	0.0	2864.2	2070.0	2871.07	2871.0
*	2.660	310.	0.0	0.0	2864.2	3185.0	2872.01	2872.0
*	2.670	60.	0.0	0.0	2865.5	975.0	2870.11	2870.1
*	2.670	60.	0.0	0.0	2865.5	1685.0	2872.60	2872.6
*	2.670	60.	0.0	0.0	2865.5	2070.0	2872.94	2872.9
*	2.670	60.	0.0	0.0	2865.5	3185.0	2873.77	2873.7
*	2.670	12.	2871.1	2872.0	2865.5	975.0	2871.13	2870.1
*	2.670	12.	2871.1	2872.0	2865.5	1685.0	2872.77	0.0
*	2.670	12.	2871.1	2872.0	2865.5	2070.0	2873.18	0.0
*	2.670	12.	2871.1	2872.0	2865.5	3185.0	2874.02	0.0
	2.670	15.	0.0	0.0	2865.5	975.0	2872.15	0.0
	2.670	15.	0.0	0.0	2865.5	1685.0	2873.56	0.0
	2.670	15.	0.0	0.0	2865.5	2070.0	2874.09	0.0
	2.670	15.	0.0	0.0	2865.5	3185.0	2874.37	0.0
*	2.800	680.	0.0	0.0	2879.0	955.0	2883.51	2883.5
*	2.800	680.	0.0	0.0	2879.0	1645.0	2885.80	2885.8
*	2.800	680.	0.0	0.0	2879.0	2020.0	2886.16	2886.1
*	2.800	680.	0.0	0.0	2879.0	3110.0	2887.29	2887.2
	2.940	720.	0.0	0.0	2893.3	930.0	2898.08	0.0
*	2.940	720.	0.0	0.0	2893.3	1600.0	2899.37	2899.3
*	2.940	720.	0.0	0.0	2893.3	1965.0	2900.05	2900.0
*	2.940	720.	0.0	0.0	2893.3	3020.0	2901.80	2901.8
*	2.950	40.	0.0	0.0	2895.3	930.0	2899.85	2899.8
*	2.950	40.	0.0	0.0	2895.3	1600.0	2901.37	2901.3
*	2.950	40.	0.0	0.0	2895.3	1965.0	2902.07	2902.0
*	2.950	40.	0.0	0.0	2895.3	3020.0	2903.80	2903.8
	2.950	22.	2903.3	2901.6	2895.3	930.0	2899.85	0.0
	2.950	22.	2903.3	2901.6	2895.3	1600.0	2901.91	0.0
	2.950	22.	2903.3	2901.6	2895.3	1965.0	2903.73	0.0
	2.950	22.	2903.3	2901.6	2895.3	3020.0	2904.59	0.0
	2.950	10.	0.0	0.0	2895.3	930.0	2900.76	0.0
	2.950	10.	0.0	0.0	2895.3	1600.0	2902.42	0.0
	2.950	10.	0.0	0.0	2895.3	1965.0	2903.91	0.0
	2.950	10.	0.0	0.0	2895.3	3020.0	2905.09	0.0
*	2.960	50.	0.0	0.0	2899.5	930.0	2903.25	2903.2
*	2.960	50.	0.0	0.0	2899.5	1600.0	2904.52	2904.5
*	2.960	50.	0.0	0.0	2899.5	1965.0	2905.07	2905.0
*	2.960	50.	0.0	0.0	2899.5	3020.0	2906.85	2906.8
*	3.060	510.	0.0	0.0	2915.2	910.0	2919.66	2919.6
*	3.060	510.	0.0	0.0	2915.2	1565.0	2921.19	2921.1
*	3.060	510.	0.0	0.0	2915.2	1920.0	2921.79	2921.7
*	3.060	510.	0.0	0.0	2915.2	2950.0	2923.91	2923.9

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CHSEL	CRWS
*	3.070	60.	0.0	0.0	2917.2	910.0	2921.63	2921.6
*	3.070	60.	0.0	0.0	2917.2	1565.0	2923.16	2923.1
*	3.070	60.	0.0	0.0	2917.2	1920.0	2923.91	2923.9
*	3.070	60.	0.0	0.0	2917.2	2950.0	2926.11	2926.1
	3.070	12.	2925.6	2925.5	2917.2	910.0	2922.39	0.0
*	3.070	12.	2925.6	2925.5	2917.2	1565.0	2923.75	0.0
*	3.070	12.	2925.6	2925.5	2917.2	1920.0	2924.14	0.0
*	3.070	12.	2925.6	2925.5	2917.2	2950.0	2926.31	0.0
*	3.070	15.	0.0	0.0	2919.2	910.0	2923.67	2923.6
*	3.070	15.	0.0	0.0	2919.2	1565.0	2925.19	2925.1
*	3.070	15.	0.0	0.0	2919.2	1920.0	2925.89	2925.8
*	3.070	15.	0.0	0.0	2919.2	2950.0	2928.06	2928.0
	3.210	710.	0.0	0.0	2930.2	885.0	2935.70	0.0
	3.210	710.	0.0	0.0	2930.2	1520.0	2937.39	0.0
	3.210	710.	0.0	0.0	2930.2	1865.0	2938.12	0.0
	3.210	710.	0.0	0.0	2930.2	2865.0	2939.21	0.0
	3.220	60.	0.0	0.0	2932.0	885.0	2936.44	0.0
	3.220	60.	0.0	0.0	2932.0	1520.0	2938.07	0.0
	3.220	60.	0.0	0.0	2932.0	1865.0	2938.79	0.0
	3.220	60.	0.0	0.0	2932.0	2865.0	2940.08	0.0
	3.220	12.	2944.2	2943.5	2932.0	885.0	2936.53	0.0
	3.220	12.	2944.2	2943.5	2932.0	1520.0	2938.18	0.0
	3.220	12.	2944.2	2943.5	2932.0	1865.0	2938.90	0.0
	3.220	12.	2944.2	2943.5	2932.0	2865.0	2940.28	0.0
*	3.220	15.	0.0	0.0	2934.9	885.0	2938.91	2938.9
*	3.220	15.	0.0	0.0	2934.9	1520.0	2940.23	2940.2
*	3.220	15.	0.0	0.0	2934.9	1865.0	2940.87	2940.8
*	3.220	15.	0.0	0.0	2934.9	2865.0	2942.36	2942.3
*	3.250	100.	0.0	0.0	2942.5	880.0	2946.50	2946.5
*	3.250	100.	0.0	0.0	2942.5	1510.0	2947.82	2947.8
*	3.250	100.	0.0	0.0	2942.5	1855.0	2948.43	2948.4
*	3.250	100.	0.0	0.0	2942.5	2845.0	2949.93	2949.9
*	3.310	315.	0.0	0.0	2961.5	865.0	2965.08	2965.0
*	3.310	315.	0.0	0.0	2961.5	1490.0	2966.36	2966.3
*	3.310	315.	0.0	0.0	2961.5	1825.0	2966.97	2966.9
*	3.310	315.	0.0	0.0	2961.5	2805.0	2968.43	2968.4
*	3.320	60.	0.0	0.0	2963.9	865.0	2968.03	2968.0
*	3.320	60.	0.0	0.0	2963.9	1490.0	2969.88	2969.8
*	3.320	60.	0.0	0.0	2963.9	1825.0	2970.48	2970.4
*	3.320	60.	0.0	0.0	2963.9	2805.0	2972.25	2972.2
*	3.320	1.	2973.4	2973.0	2963.9	865.0	2968.79	2968.7
*	3.320	1.	2973.4	2973.0	2963.9	1490.0	2971.01	2971.0
*	3.320	1.	2973.4	2973.0	2963.9	1825.0	2971.98	2971.9
*	3.320	1.	2973.4	2973.0	2963.9	2805.0	2973.95	2973.9

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS
3.320	12.	2973.4	2973.0	2963.9	865.0	2969.79	0.0
3.320	12.	2973.4	2973.0	2963.9	1490.0	2972.40	0.0
3.320	12.	2973.4	2973.0	2963.9	1825.0	2973.89	0.0
3.320	12.	2973.4	2973.0	2963.9	2805.0	2975.08	0.0
3.320	1.	0.0	0.0	2963.9	865.0	2970.67	0.0
3.320	1.	0.0	0.0	2963.9	1490.0	2973.12	0.0
3.320	1.	0.0	0.0	2963.9	1825.0	2973.98	0.0
3.320	1.	0.0	0.0	2963.9	2805.0	2975.20	0.0
3.320	15.	0.0	0.0	2966.5	865.0	2970.46	0.0
3.320	15.	0.0	0.0	2966.5	1490.0	2973.05	0.0
3.320	15.	0.0	0.0	2966.5	1825.0	2973.93	0.0
3.320	15.	0.0	0.0	2966.5	2805.0	2974.95	0.0
* 3.360	160.	0.0	0.0	2973.7	860.0	2977.45	2977.4
* 3.360	160.	0.0	0.0	2973.7	1480.0	2978.58	2978.5
* 3.360	160.	0.0	0.0	2973.7	1810.0	2979.06	2979.0
* 3.360	160.	0.0	0.0	2973.7	2780.0	2980.25	2980.2
3.360	60.	0.0	0.0	2973.7	860.0	2978.90	0.0
3.360	60.	0.0	0.0	2973.7	1480.0	2980.18	0.0
3.360	60.	0.0	0.0	2973.7	1810.0	2980.74	0.0
3.360	60.	0.0	0.0	2973.7	2780.0	2982.15	0.0
* 3.360	12.	2977.8	2977.4	2973.7	860.0	2980.02	0.0
* 3.360	12.	2977.8	2977.4	2973.7	1480.0	2981.06	0.0
* 3.360	12.	2977.8	2977.4	2973.7	1810.0	2981.48	0.0
3.360	12.	2977.8	2977.4	2973.7	2780.0	2982.44	0.0
3.360	15.	0.0	0.0	2975.7	860.0	2979.71	2979.4
* 3.360	15.	0.0	0.0	2975.7	1480.0	2980.59	2980.5
* 3.360	15.	0.0	0.0	2975.7	1810.0	2981.07	2981.0
* 3.360	15.	0.0	0.0	2975.7	2780.0	2982.31	2982.3
* 3.480	600.	0.0	0.0	2997.4	840.0	3001.44	3001.4
* 3.480	600.	0.0	0.0	2997.4	1445.0	3002.60	3002.6
* 3.480	600.	0.0	0.0	2997.4	1765.0	3003.14	3003.1
* 3.480	600.	0.0	0.0	2997.4	2710.0	3004.49	3004.4
* 3.500	100.	0.0	0.0	3017.4	835.0	3021.42	3021.4
* 3.500	100.	0.0	0.0	3017.4	1435.0	3022.59	3022.5
* 3.500	100.	0.0	0.0	3017.4	1760.0	3023.14	3023.1
* 3.500	100.	0.0	0.0	3017.4	2700.0	3024.48	3024.4
* 3.540	275.	0.0	0.0	3028.4	830.0	3032.41	3032.4
* 3.540	275.	0.0	0.0	3028.4	1425.0	3033.57	3033.5
* 3.540	275.	0.0	0.0	3028.4	1745.0	3034.11	3034.1
* 3.540	275.	0.0	0.0	3028.4	2675.0	3035.44	3035.4

BOWLENS CREEK

100-7R FLOODWAY

FLOODWAY DATA, BOWLENS CREEK
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	
0.080 ^{RS*}	65.	388.	7.1	2614.2	2613.2	1.0
0.080	65.	365.	7.5	2614.4	2613.6	0.9
0.080	65.	462.	6.9	2615.4	2614.4	1.0
0.080 ^{US*}	65.	305.	9.0	2615.3	2614.3	1.0
0.250	105.	456.	6.0	2621.6	2621.6	0.0
0.270	125.	225.	12.1	2627.9	2627.9	0.0
0.400	125.	264.	10.2	2643.2	2643.2	0.0
0.640 ^{RS*}	80.	433.	6.1	2656.6	2656.5	0.1
0.640	80.	473.	5.6	2657.1	2657.0	0.1
0.640	80.	597.	4.4	2658.6	2658.1	0.5
0.640 ^{US*}	80.	559.	4.7	2658.6	2658.1	0.5
0.810	50.	256.	10.1	2667.2	2667.0	0.2
0.820 ^{OC*}	50.	370.	7.0	2669.5	2668.9	0.6
0.820	50.	420.	6.2	2670.5	2669.6	0.9
0.820 ^{US*}	50.	423.	6.1	2670.6	2669.7	0.9
0.940	90.	236.	7.7	2674.5	2674.2	0.3
0.950 ^{RS*}	90.	293.	8.8	2677.2	2677.2	0.0
0.950	90.	423.	6.1	2678.5	2677.3	1.2
0.950 ^{US*}	90.	430.	6.0	2678.6	2677.8	0.8
1.100	90.	290.	8.8	2690.4	2690.4	0.0
1.240	60.	327.	7.7	2698.3	2697.7	0.6
1.560	60.	202.	12.1	2724.5	2724.5	0.0
1.570 ^{RS*}	60.	223.	10.9	2725.5	2725.5	0.0
1.570	60.	314.	7.8	2726.9	2725.6	1.3
1.570 ^{US*}	60.	323.	7.6	2727.1	2726.4	0.7
1.600	60.	247.	9.0	2728.0	2727.7	0.3
1.660 ^{RS*}	105.	360.	6.7	2732.4	2732.2	0.2
1.660	125.	438.	5.5	2733.1	2733.0	0.1
1.660	105.	281.	8.6	2733.3	2733.3	0.0
1.660	105.	387.	6.3	2734.1	2733.4	0.7
1.660	125.	547.	4.4	2734.2	2733.3	0.9
1.660 ^{US*}	105.	551.	4.4	2734.2	2733.4	0.8
1.760	250.	411.	5.8	2738.9	2738.6	0.3
1.770 ^{RS*}	250.	649.	3.7	2740.2	2739.8	0.4
1.770	250.	579.	4.1	2740.2	2739.9	0.4
1.770	250.	614.	3.9	2740.4	2739.9	0.5
1.770	250.	717.	3.3	2740.5	2739.9	0.6
1.770 ^{US*}	250.	761.	3.1	2740.7	2740.0	0.7
1.790 ^{US*}	240.	472.	5.1	2741.4	2741.2	0.2
1.750	240.	731.	3.3	2742.6	2742.2	0.4
1.750	240.	529.	4.5	2742.6	2742.3	0.3
1.750	240.	613.	3.9	2743.0	2742.4	0.6
1.750	240.	836.	2.9	2743.1	2742.4	0.7
1.790 ^{US*}	240.	802.	3.0	2743.1	2742.4	0.7
1.870	130.	212.	11.1	2747.7	2747.7	0.0
1.880 ^{RS*}	130.	228.	10.4	2750.5	2750.5	0.0
1.980	130.	453.	5.2	2752.9	2751.4	1.5
1.880 ^{US*}	130.	482.	4.9	2753.2	2752.2	1.0
2.000	60.	206.	11.2	2759.5	2759.5	0.0
2.120	60.	203.	11.2	2773.6	2773.6	0.0

FLOODWAY DATA, BCWLENS CREEK
 PROFILE NO. 2

STATION	FLOODWAY			WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA	MEAN VELOCITY	WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
2.130 ^{ds†}	60.	204.	11.1	2774.9	2774.9	0.0
2.130	60.	379.	6.9	2777.9	2777.8	0.1
2.130 ^{us†}	60.	238.	9.5	2777.5	2777.4	0.1
2.200	50.	184.	12.1	2786.1	2786.1	0.0
2.240	50.	184.	12.1	2792.2	2792.2	0.0
2.250 ^{ds†}	50.	184.	12.1	2793.2	2793.2	0.0
2.250	110.	473.	4.7	2797.0	2796.4	0.6
2.250 ^{us†}	50.	263.	8.5	2796.7	2795.9	0.8
2.440	70.	177.	12.2	2815.1	2815.1	0.0
2.450 ^{ds†}	70.	221.	9.7	2816.8	2816.8	0.0
2.450	70.	228.	9.4	2817.0	2817.0	0.0
2.450 ^{us†}	70.	177.	12.2	2817.2	2817.2	0.0
2.580	70.	173.	12.7	2852.5	2852.5	0.0
2.660	70.	232.	8.9	2871.1	2871.1	0.0
2.670 ^{ds†}	70.	202.	10.2	2872.9	2872.9	0.0
2.670	70.	430.	4.7	2875.1	2873.2	1.9
2.670 ^{us†}	70.	444.	4.7	2875.1	2874.1	1.0
2.800	70.	265.	7.6	2886.2	2886.2	0.0
2.940	50.	161.	12.2	2900.1	2900.1	0.0
2.950 ^{ds†}	50.	160.	12.3	2902.1	2902.1	0.0
2.950	50.	227.	8.7	2903.9	2903.7	0.2
2.950 ^{us†}	50.	238.	8.2	2904.0	2903.9	0.1
2.960	50.	177.	11.1	2905.1	2905.1	0.0
3.060	40.	153.	12.6	2921.9	2921.0	0.9
3.070 ^{ds†}	40.	155.	12.4	2924.0	2923.9	0.1
3.070	40.	186.	10.3	2924.9	2924.1	0.8
3.070 ^{us†}	40.	153.	12.5	2925.9	2925.9	0.0
3.210	45.	233.	8.0	2938.2	2938.1	0.1
3.220 ^{ds†}	45.	190.	9.8	2938.8	2938.8	0.0
3.220	45.	194.	9.6	2938.9	2938.9	0.0
3.220 ^{us†}	45.	157.	11.9	2940.9	2940.9	0.0
3.250	45.	156.	11.9	2948.4	2948.4	0.0
3.310	50.	162.	11.2	2967.0	2967.0	0.0
3.320 ^{ds†}	50.	158.	11.5	2970.5	2970.5	0.0
3.320	50.	122.	15.0	2972.0	2972.0	0.0
3.320	50.	138.	13.2	2973.9	2973.9	0.0
3.320	50.	284.	6.4	2974.2	2974.0	0.2
3.320 ^{us†}	50.	278.	6.6	2974.6	2973.9	0.7
3.360 ^{ds†}	60.	195.	9.3	2979.1	2979.1	0.0
3.360	60.	300.	6.0	2980.8	2980.7	0.1
3.360	60.	389.	4.7	2982.2	2981.5	0.7
3.360 ^{us†}	60.	253.	7.1	2982.0	2981.1	0.9
3.480	50.	157.	11.3	3003.1	3003.1	0.0
3.500	50.	157.	11.2	3023.1	3023.1	0.0
3.540	50.	155.	11.2	3034.1	3034.1	0.0

* DOWNSTREAM & UPSTREAM @ BRIDGES

HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979

ERROR CORR - 01,02,03

MODIFICATION - 50,51,52,53,54

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

BOWLENS CREEK

SUMMARY PRINTOUT TABLE 110

SFCNO	CWSEL	DIFKWS	EG	TOPWID	PERENC	STENCL	STENCR
0.080	2613.15	0.0	2614.34	54.	0.	0.	0.
0.080	2614.16	1.0	2615.06	57.	65.	40.	135.
0.080	2613.60	0.0	2614.68	44.	0.	0.	0.
0.080	2614.40	0.81	2615.29	45.	65.	40.	135.
0.080	2614.39	0.0	2615.27	45.	0.	0.	0.
0.080	2615.42	1.04	2616.07	60.	65.	40.	135.
0.080	2614.28	0.0	2616.23	50.	0.	0.	0.
0.080	2615.35	1.07	2616.72	53.	65.	40.	135.
0.250	2621.59	0.0	2622.11	67.	0.	0.	0.
0.250	2621.35	-0.24	2621.90	66.	105.	25.	130.
*	0.270	2627.94	0.0	2630.21	51.	0.	0.
*	0.270	2627.94	0.00	2630.21	51.	105.	25.
0.400	2643.19	0.0	2644.80	53.	0.	0.	0.
0.400	2643.19	-0.00	2644.80	53.	105.	25.	130.
0.640	2656.50	0.0	2657.36	122.	0.	0.	0.
0.640	2656.58	0.08	2657.50	80.	80.	60.	140.
0.640	2657.02	0.0	2657.66	128.	0.	0.	0.
0.640	2657.08	0.06	2657.80	80.	80.	60.	140.
*	0.640	2658.08	0.0	2658.51	144.	0.	0.
*	0.640	2658.63	0.55	2659.09	80.	80.	60.
0.640	2658.06	0.0	2658.60	143.	0.	0.	0.
0.640	2658.61	0.54	2659.18	80.	80.	60.	140.
0.810	2666.58	0.0	2669.06	89.	0.	0.	0.
0.810	2667.25	0.26	2670.03	50.	50.	140.	190.
0.820	2668.52	0.0	2669.82	101.	0.	0.	0.
0.820	2669.52	0.61	2670.91	50.	50.	140.	190.

SECNO	CWSEL	DIFKWS	EG	TOPWID	PERENC	STENCL	STENCR
0.820	2669.64	0.0	2670.34	108.	0.	0.	0.
0.820	2670.52	0.88	2671.62	50.	50.	140.	190.
0.820	2669.66 /	0.0	2670.45	109.	0.	0.	0.
0.820	2670.57	0.91	2671.71	50.	50.	140.	190.
* 0.940	2674.20	0.0	2675.66	198.	0.	0.	0.
0.940	2674.54	0.34	2676.10	90.	90.	460.	550.
* 0.950	2677.22 /	0.0	2678.66	198.	0.	0.	0.
* 0.950	2677.07	-0.15	2679.04	90.	90.	460.	550.
0.950	2677.33	0.0	2678.66	199.	0.	0.	0.
0.950	2678.50	1.17	2679.54	90.	90.	460.	550.
0.950	2677.75 /	0.0	2678.79	203.	0.	0.	0.
0.950	2678.59	0.83	2679.60	90.	90.	460.	550.
* 1.100	2690.37	0.0	2691.86	198.	0.	0.	0.
* 1.100	2690.23	-0.14	2692.21	90.	90.	460.	550.
1.240	2697.72	0.0	2698.65	247.	0.	0.	0.
1.240	2698.25	0.54	2699.31	60.	60.	375.	435.
* 1.560	2724.48	0.0	2726.28	140.	0.	0.	0.
* 1.560	2724.01	-0.47	2726.47	56.	60.	305.	355.
* 1.570	2725.48 /	0.0	2727.28	140.	0.	0.	0.
1.570	2725.39	-0.09	2727.51	57.	60.	305.	355.
1.570	2725.62	0.0	2727.28	145.	0.	0.	0.
1.570	2726.93	1.31	2728.13	60.	60.	305.	355.
1.570	2726.40 /	0.0	2727.48	163.	0.	0.	0.
1.570	2727.10	0.70	2728.23	60.	60.	305.	355.
* 1.600	2727.72 /	0.0	2729.44	141.	0.	0.	0.
1.600	2728.00	0.29	2729.78	58.	60.	305.	365.
1.660	2732.23 /	0.0	2733.18	236.	0.	0.	0.
1.660	2732.40	0.17	2733.58	105.	105.	575.	590.
1.660	2732.95	0.0	2733.50	269.	0.	0.	0.
1.660	2733.14	0.19	2733.96	105.	105.	575.	590.
1.660	2733.31	0.0	2733.54	292.	0.	0.	0.
* 1.660	2732.95	-0.36	2734.33	100.	105.	575.	590.
1.660	2733.44	0.0	2733.64	302.	0.	0.	0.
1.660	2734.06	0.62	2734.69	105.	105.	575.	590.
1.660	2733.23	0.0	2733.76	294.	0.	0.	0.
1.660	2734.17	0.85	2734.71	105.	105.	575.	590.
1.660	2733.37 /	0.0	2733.80	298.	0.	0.	0.
1.660	2734.21	0.84	2734.74	105.	105.	575.	590.

	SECNO	CWSEL	DIFKWS	EG	TOPWID	PERENC	STENCL	STENCR
*	1.760	2738.64/	0.0	2739.47	337.	0.	0.	0.
*C	1.760	2738.85	0.22	2740.01	160.	250.	555.	305.
	1.770	2739.75/	0.0	2739.99	589.	0.	0.	0.
	1.770	2740.20	0.45	2740.65	200.	250.	555.	305.
	1.770	2739.78	0.0	2739.99	561.	0.	0.	0.
	1.770	2740.19	0.41	2740.74	162.	250.	555.	305.
	1.770	2739.89	0.0	2740.08	571.	0.	0.	0.
	1.770	2740.41	0.51	2740.88	166.	250.	555.	305.
	1.770	2739.50	0.0	2740.09	605.	0.	0.	0.
	1.770	2740.53	0.63	2740.90	209.	250.	555.	305.
	1.770	2740.04/	0.0	2740.13	615.	0.	0.	0.
	1.770	2740.74	0.70	2740.96	215.	250.	555.	305.
*	1.790	2741.23/	0.0	2742.00	351.	0.	0.	0.
*	1.790	2741.43	0.21	2742.53	212.	240.	475.	715.
	1.790	2742.16	0.0	2742.39	580.	0.	0.	0.
	1.790	2742.61	0.46	2743.01	226.	240.	475.	715.
	1.790	2742.27	0.0	2742.40	557.	0.	0.	0.
	1.790	2742.62	0.35	2743.05	199.	240.	475.	715.
C	1.790	2742.43	0.0	2742.54	563.	0.	0.	0.
	1.790	2743.05	0.62	2743.34	223.	240.	475.	715.
	1.790	2742.42	0.0	2742.59	590.	0.	0.	0.
	1.790	2743.07	0.65	2743.35	232.	240.	475.	715.
	1.790	2742.44/	0.0	2742.65	591.	0.	0.	0.
	1.790	2743.07	0.63	2743.44	232.	240.	475.	715.
*	1.870	2747.72/	0.0	2749.62	56.	0.	0.	0.
*	1.870	2747.70	-0.02	2749.62	56.	130.	500.	530.
*	1.880	2750.48/	0.0	2752.52	57.	0.	0.	0.
*	1.880	2750.48	0.00	2752.52	57.	130.	500.	530.
	1.880	2751.39	0.0	2752.73	65.	0.	0.	0.
	1.880	2752.54	1.55	2753.59	130.	130.	500.	530.
	1.880	2752.23/	0.0	2752.93	518.	0.	0.	0.
	1.880	2753.18	0.95	2753.67	130.	130.	500.	530.
*	2.000	2759.48/	0.0	2761.47	58.	0.	0.	0.
*	2.000	2759.46	-0.01	2761.48	55.	60.	85.	145.
*	2.120	2773.62/	0.0	2775.59	58.	0.	0.	0.
*C	2.120	2773.61	-0.01	2775.60	55.	60.	85.	145.
*	2.130	2774.54	0.0	2776.90	58.	0.	0.	0.
*	2.130	2774.53	-0.01	2776.90	55.	60.	85.	145.

SECNO	CWSFL	DIFKWS	EG	TOPWID	PFRNC	STENCL	STENCR
2.130	2777.77	0.0	2778.38	80.	0.	0.	0.
2.130	2777.88	0.11	2778.49	60.	60.	85.	145.
2.130	2777.36	0.0	2778.95	61.	0.	0.	0.
2.130	2777.52	0.16	2779.01	58.	60.	85.	145.
* 2.200	2786.06	0.0	2788.32	41.	0.	0.	0.
* 2.200	2786.03	-0.03	2788.32	41.	50.	315.	355.
* 2.240	2792.15	0.0	2794.44	41.	0.	0.	0.
* 2.240	2792.17	0.01	2794.44	41.	50.	315.	355.
* 2.250	2793.18	0.0	2795.44	41.	0.	0.	0.
* 2.250	2793.18	-0.01	2795.44	41.	50.	315.	355.
2.250	2796.41	0.0	2796.83	434.	0.	0.	0.
2.250	2796.59	0.58	2797.48	110.	110.	315.	425.
2.250	2795.52	0.0	2797.42	44.	0.	0.	0.
2.250	2796.72	0.80	2797.83	47.	50.	315.	365.
* 2.440	2815.07	0.0	2817.36	39.	0.	0.	0.
* 2.440	2815.07	-0.00	2817.36	39.	70.	155.	225.
2.450	2816.84	0.0	2818.32	43.	0.	0.	0.
2.450	2816.85	0.00	2818.32	43.	70.	155.	225.
2.450	2817.00	0.0	2818.38	43.	0.	0.	0.
2.450	2817.00	0.00	2818.39	43.	70.	155.	225.
* 2.450	2817.18	0.0	2819.46	39.	0.	0.	0.
* 2.450	2817.17	-0.01	2819.46	39.	70.	155.	225.
* 2.580	2852.48	0.0	2854.76	39.	0.	0.	0.
* 2.580	2852.48	0.00	2854.76	39.	70.	155.	225.
* 2.660	2871.07	0.0	2872.38	158.	0.	0.	0.
* 2.660	2870.82	-0.25	2872.83	70.	70.	90.	160.
* 2.670	2872.94	0.0	2874.43	134.	0.	0.	0.
* 2.670	2872.88	-0.05	2875.50	49.	70.	90.	150.
* 2.670	2873.18	0.0	2874.43	135.	0.	0.	0.
* 2.670	2875.07	1.89	2875.87	70.	70.	90.	160.
2.670	2874.09	0.0	2874.58	173.	0.	0.	0.
2.670	2875.14	1.05	2875.92	70.	70.	90.	160.
* 2.800	2886.16	0.0	2887.50	160.	0.	0.	0.
* 2.800	2886.09	-0.07	2888.22	70.	70.	90.	150.
* 2.940	2900.05	0.0	2902.40	35.	0.	0.	0.
* 2.940	2900.08	0.03	2902.40	35.	50.	370.	420.
* 2.950	2902.07	0.0	2904.40	35.	0.	0.	0.
* 2.950	2902.06	-0.01	2904.40	35.	50.	370.	420.

SECNO	CWSEL	DIFKWS	EG	TOPWID	PERENC	STENCL	STEVD
2.950	2903.73	0.0	2904.95	39.	0.	0.	0.
2.950	2903.86	0.13	2905.03	39.	50.	370.	420.
2.950	2903.91	0.0	2905.05	55.	0.	0.	0.
2.950	2904.03	0.12	2905.12	43.	50.	370.	420.
* 2.960	2905.07	0.0	2906.88	74.	0.	0.	0.
* 2.960	2904.98	-0.09	2907.02	45.	50.	370.	420.
* 3.060	2921.79	0.0	2924.36	33.	0.	0.	0.
* 3.060	2921.89	0.11	2924.36	33.	40.	305.	345.
* 3.070	2923.91	0.0	2926.49	34.	0.	0.	0.
* 3.070	2923.96	0.06	2926.49	33.	40.	305.	345.
* 3.070	2924.14	0.0	2926.49	37.	0.	0.	0.
* 3.070	2924.90	0.76	2926.68	34.	40.	305.	345.
* 3.070	2925.89	0.0	2928.36	34.	0.	0.	0.
* 3.070	2925.91	0.03	2928.36	33.	40.	305.	345.
3.210	2938.12	0.0	2939.13	41.	0.	0.	0.
3.210	2938.17	0.05	2939.16	39.	45.	200.	245.
3.220	2938.79	0.0	2940.32	38.	0.	0.	0.
3.220	2938.83	0.05	2940.34	38.	45.	200.	245.
3.220	2938.90	0.0	2940.36	38.	0.	0.	0.
3.220	2938.94	0.04	2940.38	38.	45.	200.	245.
* 3.220	2940.87	0.0	2943.05	36.	0.	0.	0.
* 3.220	2940.85	-0.01	2943.05	36.	45.	200.	245.
* 3.250	2948.43	0.0	2950.63	36.	0.	0.	0.
* 3.250	2948.43	0.01	2950.63	36.	45.	200.	245.
* 3.310	2966.97	0.0	2968.94	54.	0.	0.	0.
* 3.310	2966.88	-0.08	2968.98	41.	50.	305.	355.
* 3.320	2970.48	0.0	2972.02	55.	0.	0.	0.
* 3.320	2970.28	-0.20	2973.05	31.	50.	305.	355.
* 3.320	2971.98	0.0	2974.18	61.	0.	0.	0.
* 3.320	2971.12	-0.86	2974.61	20.	50.	305.	355.
3.320	2973.89	0.0	2974.58	91.	0.	0.	0.
3.320	2972.29	-1.60	2975.06	25.	50.	305.	355.
3.320	2973.98	0.0	2974.59	89.	0.	0.	0.
3.320	2974.35	0.37	2975.25	31.	50.	305.	355.
3.320	2973.93	0.0	2974.76	76.	0.	0.	0.
3.320	2974.57	0.64	2975.32	45.	50.	305.	355.
* 3.360	2979.06	0.0	2980.77	74.	0.	0.	0.
* 3.360	2979.00	-0.06	2980.85	59.	60.	80.	140.

SECNO	CWSEL	DIFKWS	EG	TOPWID	PERENC	STENCL	STENCR
3.360	2980.74	0.0	2981.46	91.	0.	0.	0.
3.360	2980.76	0.02	2981.60	60.	60.	80.	140.
* 3.360	2981.48	0.0	2982.00	93.	0.	0.	0.
* 3.360	2982.24	0.76	2982.75	60.	60.	80.	140.
* 3.360	2981.07	0.0	2982.83	74.	0.	0.	0.
3.360	2981.98	0.91	2983.17	60.	60.	80.	140.
* 3.480	3003.14	0.0	3005.11	40.	0.	0.	0.
* 3.480	3003.14	-0.00	3005.11	40.	50.	80.	130.
* 3.500	3023.14	0.0	3025.10	40.	0.	0.	0.
* 3.500	3023.14	0.00	3025.10	40.	50.	80.	130.
* 3.540	3034.11	0.0	3036.07	40.	0.	0.	0.
* 3.540	3034.10	-0.00	3036.07	40.	50.	80.	130.

SUMMARY OF ERRORS

CAUTION SECNO= 0.270 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.270 PROFILE= 1
PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.270 PROFILE= 1
20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.270 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.270 PROFILE= 2
PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.270 PROFILE= 2
20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.640 PROFILE= 1 HYDRAULIC JUMP D.S.

CAUTION SECNO= 0.640 PROFILE= 2 HYDRAULIC JUMP D.S.

CAUTION SECNO= 0.810 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.810 PROFILE= 1
PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.810 PROFILE= 1
20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.810 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.810 PROFILE= 2
PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.810 PROFILE= 2
20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.940 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.950 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.950 PROFILE= 1
PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.950 PROFILE= 1
20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.950 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.950 PROFILE= 2
PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.950 PROFILE= 2
20 TRIALS ATTEMPTED TO BALANCE WSEL