



CATTAIL

CREEK



CATTAIL

CREEK

CATTAIL CREEK

YANCEY CO NC FEMA STUDY

MILE	500 YR FLOOD		100 YR FLOOD		50 YR FLOOD		10 YR FLOOD	
	Q	ELEV	Q	ELEV	Q	ELEV	Q	ELEV
0*		2848.8		2845.6		2844.4		2841.2
0.420 v.s.	3690.	2866.0	3645.	2864.3	2955.	2863.7	1685.	2862.2
0.420 v.s.	3690.	2868.9	3645.	2866.7	2955.	2865.4	1685.	2863.4
0.630	3610.	2881.7	3595.	2878.7	2915.	2877.8	1665.	2875.9
0.740	3570.	2895.9	3570.	2893.6	2895.	2892.7	1650.	2890.8
0.930 v.s.	3500.	2911.1	3525.	2910.0	2860.	2909.2	1630.	2907.4
0.930 v.s.	3500.	2912.7	3525.	2911.5	2860.	2910.3	1630.	2908.2
0.940	3500.	2913.8	3525.	2912.2	2860.	2911.5	1630.	2910.1
1.370	3335.	2945.7	3420.	2944.0	2775.	2943.3	1585.	2941.6
1.420	3320.	2945.7	3410.	2948.1	2770.	2947.4	1580.	2946.0
1.630 v.s.	3240.	2970.4	3360.	2968.8	2730.	2968.2	1560.	2966.8
1.630 v.s.	3240.	2972.3	3360.	2970.4	2730.	2969.0	1560.	2967.4
1.780	3180.	2986.1	3325.	2986.0	2700.	2985.2	1545.	2983.5
1.790 v.s.	3180.	2989.2	3325.	2987.6	2700.	2986.9	1545.	2985.2
1.790 v.s.	3180.	2990.5	3325.	2989.4	2700.	2988.6	1545.	2985.6
2.020	3095.	3013.1	3270.	3012.0	2655.	3009.3	1520.	3007.4

* CANE RIVER MILE 31.98 ELEVATIONS @ THE MOUTH

OF CATTAIL CREEK

CATTAIL CREEK

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
0.420	1685.	2862.2	0.0	0.0	0.0	78.23	0.0
0.420	2955.	2863.7	1.4	0.0	0.0	84.42	0.0
0.420	3645.	2864.3	0.7	0.0	0.0	87.25	0.0
0.420	5690.	2866.0	1.6	0.0	0.0	133.34	0.0
0.420	1685.	2863.0	0.0	0.7	0.0	49.00	100.00
0.420	2955.	2864.4	1.4	0.7	0.0	49.00	100.00
0.420	3645.	2865.0	0.6	0.6	0.0	49.00	100.00
0.420	5690.	2866.7	1.8	0.7	0.0	668.38	100.00
0.420	1685.	2863.0	0.0	0.0	0.0	49.00	31.00
0.420	2955.	2864.4	1.4	0.0	0.0	49.00	31.00
0.420	3645.	2865.5	1.1	0.5	0.0	49.00	31.00
0.420	5690.	2868.6	3.2	1.9	0.0	843.04	31.00
0.420	1685.	2863.4	0.0	0.4	0.0	83.65	25.00
0.420	2955.	2865.4	2.0	1.0	0.0	98.81	25.00
0.420	3645.	2866.7	1.3	1.2	0.0	666.30	25.00
0.420	5690.	2868.9	2.2	0.3	0.0	921.78	25.00
* 0.630	1665.	2875.9	0.0	12.5	0.0	37.00	1195.00
* 0.630	2915.	2877.8	1.9	12.4	0.0	42.16	1195.00
* 0.630	3595.	2878.7	0.8	12.0	0.0	44.42	1195.00
* 0.630	5610.	2881.7	3.0	12.8	0.0	307.67	1195.00
0.740	1650.	2890.8	0.0	14.9	0.0	38.62	580.00
0.740	2855.	2892.7	1.9	14.9	0.0	43.76	580.00
0.740	3570.	2893.6	0.9	14.9	0.0	83.38	580.00
* 0.740	5570.	2895.9	2.3	14.2	0.0	295.71	580.00
0.930	1630.	2907.4	0.0	16.6	0.0	64.21	980.00
0.930	2860.	2909.2	1.8	16.5	0.0	79.85	980.00
0.930	3525.	2910.0	0.8	16.4	0.0	91.64	980.00
0.930	5500.	2911.1	1.1	15.1	0.0	111.23	980.00
0.930	1630.	2908.0	0.0	0.6	0.0	67.94	40.00
0.930	2860.	2909.8	1.8	0.5	0.0	77.77	40.00
0.930	3525.	2910.5	0.8	0.5	0.0	81.41	40.00
0.930	5500.	2912.0	1.5	0.9	0.0	168.46	40.00
0.930	1630.	2908.2	0.0	0.2	0.0	69.00	12.00
0.930	2860.	2910.3	2.1	0.5	0.0	80.36	12.00
0.930	3525.	2911.5	1.2	1.0	0.0	138.43	12.00
0.930	5500.	2912.7	1.2	0.6	0.0	177.44	12.00
* 0.940	1630.	2910.1	0.0	1.9	0.0	57.33	10.00
* 0.940	2860.	2911.5	1.4	1.2	0.0	66.82	10.00
* 0.940	3525.	2912.2	0.6	0.7	0.0	71.10	10.00
* 0.940	5500.	2913.8	1.6	1.1	0.0	93.29	10.00
1.370	1585.	2941.6	0.0	31.4	0.0	60.01	2320.00
1.370	2775.	2943.3	1.7	31.7	0.0	65.41	2320.00
1.370	3420.	2944.0	0.7	31.8	0.0	81.78	2320.00
1.370	5335.	2945.7	1.7	31.9	0.0	145.94	2320.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	1.420	1580.	2946.0	0.0	4.5	0.0	55.12	270.00
*	1.420	2770.	2947.4	1.4	4.2	0.0	59.53	270.00
*	1.420	3410.	2948.1	0.6	4.0	0.0	61.56	270.00
*	1.420	5320.	2949.7	1.7	4.0	0.0	72.65	270.00
	1.630	1560.	2966.8	0.0	20.7	0.0	61.94	1090.00
	1.630	2730.	2968.2	1.4	20.8	0.0	66.90	1090.00
	1.630	3360.	2968.8	0.6	20.8	0.0	91.90	1090.00
	1.630	5240.	2970.4	1.5	20.7	0.0	122.47	1090.00
	1.630	1560.	2967.3	0.0	0.5	0.0	63.83	40.00
	1.630	2730.	2968.9	1.6	0.7	0.0	69.25	40.00
	1.630	3360.	2969.6	0.7	0.7	0.0	71.51	40.00
	1.630	5240.	2971.3	1.7	0.9	0.0	141.75	40.00
	1.630	1560.	2967.3	0.0	0.0	0.0	63.89	15.00
	1.630	2730.	2968.9	1.6	0.0	0.0	69.37	15.00
	1.630	3360.	2970.4	1.5	0.8	0.0	115.71	15.00
	1.630	5240.	2972.3	1.9	1.0	0.0	227.87	15.00
	1.630	1560.	2967.4	0.0	0.1	0.0	64.16	10.00
	1.630	2730.	2969.0	1.6	0.1	0.0	130.53	10.00
	1.630	3360.	2970.4	1.4	0.1	0.0	123.50	10.00
	1.630	5240.	2972.3	1.9	0.1	0.0	228.35	10.00
*	1.780	1545.	2983.5	0.0	16.1	0.0	42.57	735.00
*	1.780	2700.	2985.2	1.7	16.2	0.0	51.14	735.00
*	1.780	3325.	2986.0	0.8	15.6	0.0	54.95	735.00
*	1.780	5130.	2988.1	2.1	15.8	0.0	107.62	735.00
	1.790	1545.	2985.2	0.0	1.7	0.0	44.82	60.00
	1.790	2700.	2986.9	1.6	1.6	0.0	53.17	60.00
	1.790	3325.	2987.6	0.7	1.6	0.0	59.36	60.00
*	1.790	5180.	2989.2	1.6	1.1	0.0	107.28	60.00
	1.790	1545.	2985.5	0.0	0.2	0.0	46.02	12.00
	1.790	2700.	2988.5	3.1	1.7	0.0	103.99	12.00
	1.790	3325.	2989.3	0.8	1.7	0.0	107.66	12.00
	1.790	5180.	2990.4	1.1	1.2	0.0	130.01	12.00
	1.790	1545.	2985.6	0.0	0.1	0.0	46.11	15.00
	1.790	2700.	2988.6	3.0	0.1	0.0	104.32	15.00
	1.790	3325.	2989.4	0.8	0.1	0.0	107.96	15.00
	1.790	5180.	2990.5	1.1	0.1	0.0	133.04	15.00
*	2.020	1520.	3007.4	0.0	21.8	0.0	32.36	1225.00
*	2.020	2655.	3009.3	1.9	20.7	0.0	36.80	1225.00
*	2.020	3270.	3012.0	2.7	22.6	0.0	340.26	1225.00
*	2.020	5095.	3013.1	1.1	22.6	0.0	378.44	1225.00

Summary of Errors

CAUTION SECNO= 0.630 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 0.630 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 0.630 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 0.630 PROFILE= 3

 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

CATTAIL CREEK

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	FLMIN	Q	CWSEL	CRWS
0.420	0.	0.0	0.0	2857.5	1685.0	2862.25	0.0
0.420	0.	0.0	0.0	2857.5	2955.0	2863.69	0.0
0.420	0.	0.0	0.0	2857.5	3645.0	2864.35	0.0
0.420	0.	0.0	0.0	2857.5	5690.0	2865.99	0.0
0.420	100.	0.0	0.0	2857.5	1685.0	2862.96	0.0
0.420	100.	0.0	0.0	2857.5	2955.0	2864.36	0.0
0.420	100.	0.0	0.0	2857.5	3645.0	2864.96	0.0
0.420	100.	0.0	0.0	2857.5	5690.0	2866.74	2866.64
0.420	31.	2868.3	2865.7	2857.5	1685.0	2862.98	0.0
0.420	31.	2868.3	2865.7	2857.5	2955.0	2864.40	0.0
0.420	31.	2868.3	2865.7	2857.5	3645.0	2865.46	0.0
0.420	31.	2868.3	2865.7	2857.5	5690.0	2868.63	0.0
0.420	25.	0.0	0.0	2858.5	1685.0	2863.42	0.0
0.420	25.	0.0	0.0	2858.5	2955.0	2865.43	0.0
0.420	25.	0.0	0.0	2858.5	3645.0	2866.71	0.0
0.420	25.	0.0	0.0	2858.5	5690.0	2868.89	0.0
* 0.630	1195.	0.0	0.0	2870.5	1665.0	2875.94	2875.94
* 0.630	1195.	0.0	0.0	2870.5	2915.0	2877.84	2877.84
* 0.630	1195.	0.0	0.0	2870.5	3595.0	2878.68	2878.68
* 0.630	1195.	0.0	0.0	2870.5	5610.0	2881.69	2881.69
0.740	580.	0.0	0.0	2884.8	1650.0	2890.84	0.0
0.740	580.	0.0	0.0	2884.8	2895.0	2892.74	0.0
0.740	580.	0.0	0.0	2884.8	3570.0	2893.62	2892.96
* 0.740	580.	0.0	0.0	2884.8	5570.0	2895.93	2895.93
0.930	980.	0.0	0.0	2901.0	1630.0	2907.45	0.0
0.930	980.	0.0	0.0	2901.0	2860.0	2909.22	0.0
0.930	980.	0.0	0.0	2901.0	3525.0	2909.99	0.0
0.930	980.	0.0	0.0	2901.0	5500.0	2911.08	0.0
0.930	40.	0.0	0.0	2901.0	1630.0	2908.01	0.0
0.930	40.	0.0	0.0	2901.0	2860.0	2909.76	0.0
0.930	40.	0.0	0.0	2901.0	3525.0	2910.53	0.0
0.930	40.	0.0	0.0	2901.0	5500.0	2912.03	0.0

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS
☾	0.930	12.	2911.0	2910.5	2901.0	1630.0	2908.17	0.0
	0.930	12.	2911.0	2910.5	2901.0	2860.0	2910.31	0.0
	0.930	12.	2911.0	2910.5	2901.0	3525.0	2911.51	0.0
	0.930	12.	2911.0	2910.5	2901.0	5500.0	2912.67	0.0
*	0.940	10.	0.0	0.0	2904.7	1630.0	2910.12	2910.12
*	0.940	10.	0.0	0.0	2904.7	2860.0	2911.54	2911.54
*	0.940	10.	0.0	0.0	2904.7	3525.0	2912.18	2912.18
*	0.940	10.	0.0	0.0	2904.7	5500.0	2913.79	2913.79
	1.370	2320.	0.0	0.0	2936.0	1585.0	2941.56	0.0
	1.370	2320.	0.0	0.0	2936.0	2775.0	2943.26	0.0
	1.370	2320.	0.0	0.0	2936.0	3420.0	2944.01	0.0
	1.370	2320.	0.0	0.0	2936.0	5335.0	2945.68	0.0
*	1.420	270.	0.0	0.0	2942.0	1580.0	2946.02	2946.02
*	1.420	270.	0.0	0.0	2942.0	2770.0	2947.41	2947.41
*	1.420	270.	0.0	0.0	2942.0	3410.0	2948.05	2948.05
*	1.420	270.	0.0	0.0	2942.0	5320.0	2949.71	2949.71
	1.630	1090.	0.0	0.0	2961.9	1560.0	2966.75	0.0
	1.630	1090.	0.0	0.0	2961.9	2730.0	2968.20	0.0
	1.630	1090.	0.0	0.0	2961.9	3360.0	2968.85	0.0
	1.630	1090.	0.0	0.0	2961.9	5240.0	2970.39	0.0
☾	1.630	40.	0.0	0.0	2961.9	1560.0	2967.30	0.0
	1.630	40.	0.0	0.0	2961.9	2730.0	2968.87	0.0
	1.630	40.	0.0	0.0	2961.9	3360.0	2969.56	0.0
	1.630	40.	0.0	0.0	2961.9	5240.0	2971.26	0.0
	1.630	15.	2970.2	2970.3	2961.9	1560.0	2967.32	0.0
	1.630	15.	2970.2	2970.3	2961.9	2730.0	2968.91	0.0
	1.630	15.	2970.2	2970.3	2961.9	3360.0	2970.38	0.0
	1.630	15.	2970.2	2970.3	2961.9	5240.0	2972.26	0.0
	1.630	10.	0.0	0.0	2961.9	1560.0	2967.40	0.0
	1.630	10.	0.0	0.0	2961.9	2730.0	2969.01	0.0
	1.630	10.	0.0	0.0	2961.9	3360.0	2970.44	0.0
	1.630	10.	0.0	0.0	2961.9	5240.0	2972.32	0.0
*	1.780	735.	0.0	0.0	2978.0	1545.0	2983.53	2983.53
*	1.780	735.	0.0	0.0	2978.0	2700.0	2985.23	2985.23
*	1.780	735.	0.0	0.0	2978.0	3325.0	2985.99	2985.99
*	1.780	735.	0.0	0.0	2978.0	5180.0	2988.08	2988.08
	1.790	60.	0.0	0.0	2979.2	1545.0	2985.21	0.0
	1.790	60.	0.0	0.0	2979.2	2700.0	2986.86	0.0
	1.790	60.	0.0	0.0	2979.2	3325.0	2987.57	0.0
*	1.790	60.	0.0	0.0	2979.2	5180.0	2989.22	2989.22
	1.790	12.	2986.5	2985.8	2979.2	1545.0	2985.45	0.0
☾	1.790	12.	2986.5	2985.8	2979.2	2700.0	2988.53	0.0
	1.790	12.	2986.5	2985.8	2979.2	3325.0	2989.29	0.0
	1.790	12.	2986.5	2985.8	2979.2	5180.0	2990.39	0.0

	SECNO	XLCH	ELTRD	ELLC	FLMIN	Q	CWSEL	CRWS
C	1.790	15.	0.0	0.0	2979.6	1545.0	2985.59	0.0
	1.790	15.	0.0	0.0	2979.6	2700.0	2988.59	0.0
	1.790	15.	0.0	0.0	2979.6	3325.0	2989.35	0.0
	1.790	15.	0.0	0.0	2979.6	5180.0	2990.50	0.0
*	2.020	1225.	0.0	0.0	3001.9	1520.0	3007.37	3007.3
*	2.020	1225.	0.0	0.0	3001.9	2655.0	3009.31	3009.3
*	2.020	1225.	0.0	0.0	3001.9	3270.0	3011.97	3011.9
*	2.020	1225.	0.0	0.0	3001.9	5095.0	3013.05	3013.0

FLOODWAY DATA, CATTAIL CREEK
 PROFILE NO. 2

STATION	FLOODWAY			WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA	MEAN VELOCITY	WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
0.420 ^{u.s.*}	95.	523.	7.0	2865.3	2864.3	1.0
0.420	95.	379.	9.8	2865.6	2865.0	0.6
0.420	95.	411.	8.9	2866.4	2865.5	0.9
0.420 ^{u.s.*}	95.	662.	5.5	2867.3	2866.7	0.6
0.630	55.	269.	13.8	2878.7	2878.7	0.0
0.740	55.	285.	12.5	2893.6	2893.6	0.0
0.930 ^{u.s.*}	90.	415.	8.5	2910.0	2910.0	0.0
0.930	90.	457.	7.7	2910.5	2910.5	0.0
0.930 ^{u.s.*}	90.	551.	6.4	2911.6	2911.5	0.1
0.940	90.	296.	11.9	2912.2	2912.2	0.0
1.270	75.	407.	8.4	2944.0	2944.0	0.0
1.420	75.	280.	12.2	2948.1	2948.1	0.0
1.620 ^{u.s.*}	80.	358.	9.4	2968.9	2968.8	0.1
1.630	80.	496.	8.2	2969.6	2969.6	0.0
1.630	80.	412.	8.2	2970.4	2970.4	0.0
1.630 ^{u.s.*}	80.	421.	8.0	2970.4	2970.4	0.0
1.780	70.	266.	12.5	2986.3	2986.3	0.0
1.790 ^{u.s.*}	70.	286.	11.6	2987.6	2987.6	0.0
1.790	70.	441.	7.5	2990.0	2989.3	0.7
1.790 ^{u.s.*}	70.	429.	7.7	2990.0	2989.4	0.6
2.020	40.	231.	14.1	3012.0	3012.0	0.0

* DOWNSTREAM AND UPSTREAM @ BRIDGES

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

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

CATTAIL CREEK

SUMMARY PRINTOUT TABLE 110

SECNO	CWSEL	DIFKWS	EG	TOPWID	PERENC	STENCL	STENCR
0.420	2864.35	0.0	2865.44	87.	0.	0.	0.
0.420	2865.34	0.99	2866.09	91.	95.	625.	720.
0.420	2864.56	0.0	2866.76	49.	0.	0.	0.
0.420	2865.60	0.64	2867.11	49.	95.	625.	720.
0.420	2865.46	0.0	2867.02	49.	0.	0.	0.
0.420	2866.44	0.98	2867.66	49.	95.	625.	720.
0.420	2866.71	0.0	2867.23	666.	0.	0.	0.
0.420	2867.34	0.63	2867.81	95.	95.	625.	720.
* 0.630	2878.68	0.0	2881.69	44.	0.	0.	0.
* 0.630	2878.72	0.04	2881.69	45.	55.	215.	270.
0.740	2893.62	0.0	2896.01	83.	0.	0.	0.
0.740	2893.58	-0.04	2896.01	46.	55.	215.	270.
0.930	2909.99	0.0	2911.12	92.	0.	0.	0.
0.930	2910.01	0.02	2911.14	80.	90.	75.	165.
0.930	2910.53	0.0	2911.46	81.	0.	0.	0.
0.930	2910.55	0.02	2911.47	81.	90.	75.	165.
0.930	2911.51	0.0	2912.16	138.	0.	0.	0.
0.930	2911.62	0.12	2912.27	90.	90.	75.	165.
* 0.940	2912.18	0.0	2914.34	71.	0.	0.	0.
* 0.940	2912.18	0.00	2914.34	71.	90.	75.	165.
1.370	2944.01	0.0	2945.11	82.	0.	0.	0.
1.370	2944.01	0.00	2945.11	70.	75.	75.	150.
* 1.420	2948.05	0.0	2950.35	62.	0.	0.	0.
1.420	2948.05	-0.00	2950.35	62.	75.	75.	150.
1.630	2968.85	0.0	2970.22	92.	0.	0.	0.
1.630	2968.86	0.01	2970.23	70.	80.	120.	200.

SECNO	CWSEL	DIFKWS	EG	TOPWID	PERENC	STENCL	STENCR
1.630	2969.56	0.0	2970.62	72.	0.	0.	0.
1.630	2969.58	0.01	2970.63	72.	80.	120.	200.
1.630	2970.38	0.0	2971.13	116.	0.	0.	0.
1.630	2969.62	-0.76	2970.66	72.	80.	120.	200.
1.630	2970.44	0.0	2971.18	124.	0.	0.	0.
1.630	2969.72	-0.71	2970.72	75.	80.	120.	200.
* 1.780	2985.99	0.0	2988.41	55.	0.	0.	0.
* 1.780	2985.99	-0.00	2988.41	55.	70.	55.	125.
1.790	2987.57	0.0	2989.67	59.	0.	0.	0.
1.790	2987.57	0.00	2989.67	60.	70.	55.	125.
1.790	2989.29	0.0	2990.36	108.	0.	0.	0.
1.790	2989.96	0.67	2990.89	70.	70.	55.	125.
1.790	2989.35	0.0	2990.48	108.	0.	0.	0.
1.790	2990.01	0.65	2990.98	70.	70.	55.	125.
* 2.020	3011.97	0.0	3013.37	348.	0.	0.	0.
* 2.020	3010.16	-1.81	3013.32	39.	40.	320.	360.

SUMMARY OF ERRORS

CAUTION SECNO= 0.630 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.630 PROFILE= 1
PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.630 PROFILE= 1
20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.630 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.630 PROFILE= 2
PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.630 PROFILE= 2
20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.940 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.940 PROFILE= 1
PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.940 PROFILE= 1
20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.940 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.940 PROFILE= 2
PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.940 PROFILE= 2
20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 1.420 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 1.420 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 1.780 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 1.780 PROFILE= 1
PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 1.780 PROFILE= 1
20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 1.780 PROFILE= 2 CRITICAL DEPTH ASSUMED

SECNO	CWSEL	DIFKWS	EG	TOPWID	PERENC	STENCL	STENCR
1.630	2969.56	0.0	2970.62	72.	0.	0.	0.
1.630	2969.58	0.01	2970.63	72.	80.	120.	200.
1.630	2970.38	0.0	2971.13	116.	0.	0.	0.
1.630	2969.62	-0.76	2970.66	72.	80.	120.	200.
1.630	2970.44	0.0	2971.18	124.	0.	0.	0.
1.630	2969.72	-0.71	2970.72	75.	80.	120.	200.
*	1.780	2985.99	0.0	2988.41	55.	0.	0.
*	1.780	2985.99	-0.00	2988.41	55.	70.	55.
1.790	2987.57	0.0	2989.67	59.	0.	0.	0.
1.790	2987.57	0.00	2989.67	60.	70.	55.	125.
1.790	2989.29	0.0	2990.36	108.	0.	0.	0.
1.790	2989.56	0.67	2990.89	70.	70.	55.	125.
1.790	2989.35	0.0	2990.48	108.	0.	0.	0.
1.790	2990.01	0.65	2990.98	70.	70.	55.	125.
*	2.020	3011.97	0.0	3013.37	348.	0.	0.
*	2.020	3010.16	-1.81	3013.32	39.	40.	320.

SUMMARY OF ERRORS

CAUTION SECNO= 0.630 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.630 PROFILE= 1
PROBABLE MINIMUM SPECIFIC ENERGY

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20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.630 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.630 PROFILE= 2
PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.630 PROFILE= 2
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CAUTION SECNO= 0.940 PROFILE= 1 CRITICAL DEPTH ASSUMED

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CAUTION SECNO= 1.420 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 1.780 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 1.780 PROFILE= 1
PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 1.780 PROFILE= 1
20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 1.780 PROFILE= 2 CRITICAL DEPTH ASSUMED