

and floodway

THIS RUN EXECUTED 19 APR 77 09.04

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HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977  
ERROR CORR - 01  
MODIFICATION - 50,51,52  
\*\*\*\*\*

C

T1 REIDSVILLE, NC  
T2 KBO 3/30/77 100YR  
T3 TRIB A LITTLE TROUBLESOME CK

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS O WSEL FO  
-1. 4. 0. 0. 0.000000 0.00 0.0 0. 709.200 0.000

J2 NPROF I PLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE  
1.000 0.000 -1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 15.000

J3 VARIABLE CODES FOR SUMMARY PRINTOUT  
38.000 1.000 3.000 50.000 42.000 5.000 43.000 0.000 38.000 1.000

50.000 13.000 14.000 15.000 53.000 21.000 22.000 54.000 4.000 0.000  
200.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000

NC .120 .120 .065 .200 .400 0.000 0.000 0.000 0.000 0.000  
QT 7.000 610.000 1000.000 1200.000 1600.000 1200.000 1200.000 1200.000 1200.000 0.000  
ET 0.000 0.000 0.000 0.000 0.000 0.000 7.100 770.000 850.000 0.000

X1 10.000 24.000 821.000 852.000 0.000 0.000 0.000 0.000 0.000 1.000 0.000  
GR 750.000 100.000 745.000 240.000 740.000 326.000 735.000 363.000 730.000 378.000  
GR 725.000 420.000 720.000 438.000 715.000 468.000 710.000 488.000 705.000 802.000  
GR 704.000 821.000 702.000 824.000 702.000 850.000 704.000 852.000 705.000 872.000  
GR 710.000 900.000 715.000 950.000 720.000 974.000 725.000 1010.000 730.000 1040.000  
GR 735.000 1074.000 740.000 1102.000 745.000 1174.000 750.000 1228.000 0.000 0.000  
ET 0.000 0.000 0.000 0.000 0.000 0.000 7.100 770.000 850.000 0.000

X1 20.000 0.000 0.000 0.000 10.000 10.000 10.000 0.000 0.000 0.000  
ET 0.000 0.000 0.000 0.000 0.000 7.100 770.000 850.000 0.000 0.000

X1 30.000 0.000 0.000 0.000 10.000 10.000 10.000 0.000 0.000 0.000  
ET 0.000 0.000 0.000 0.000 0.000 7.100 770.000 850.000 0.000 0.000

X1 40.000 0.000 0.000 0.000 10.000 10.000 10.000 0.000 0.000 0.000  
ET 0.000 0.000 0.000 0.000 0.000 7.100 1310.000 1405.000 0.000 0.000

\*\*\*SURVEY SECTION\*\*\*

X1 640.000 15.000 1350.000 1370.000 600.000 600.000 600.000 0.000 0.000 0.000

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GR	725,000	1000,000	720,000	1050,000	715,000	1050,000	715,000	1170,000	710,000	1290,000
GR	705,000	1340,000	705,000	1390,000	704,000	1393,000	704,000	1363,000	705,000	1370,000
GR	705,000	1380,000	710,000	1460,000	715,000	1510,000	720,000	1550,000	725,000	1650,000
NC	.090	.090	.065	0.000	0.000	0.000	0.000	0.000	0.000	0.000
QT	7,000	580,000	950,000	1100,000	1500,000	1100,000	1100,000	1100,000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1320,000	1410,000	0.000	0.000

\*\*\*COMPOSED SECTION\*\*\*

X1	1200,000	13,000	1390,000	1410,000	560,000	560,000	560,000	0.000	0.000	0.000
GR	725,000	1000,000	720,000	1020,000	720,000	1070,000	715,000	1110,000	710,000	1290,000
GR	706,000	1390,000	705,000	1393,000	705,000	1403,000	706,000	1410,000	710,000	1430,000
GR	715,000	1455,000	720,000	1490,000	725,000	1510,000	0.000	0.000	0.000	0.000
QT	7,000	550,000	840,000	1010,000	1300,000	1010,000	1010,000	1010,000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1355,000	1445,000	0.000	0.000

\*\*\*COMPOSED SECTION\*\*\*

X1	2000,000	10,000	1425,000	1445,000	800,000	800,000	800,000	0.000	0.000	0.000
GR	730,000	1000,000	725,000	1140,000	720,000	1320,000	715,000	1425,000	713,000	1428,000
GR	713,000	1438,000	715,000	1445,000	720,000	1475,000	725,000	1515,000	730,000	1600,000
NC	.090	.120	.055	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1300,000	1360,000	0.000	0.000

\*\*\*COMPOSED SECTION\*\*\*

X1	2600,000	14,000	1320,000	1340,000	600,000	600,000	600,000	0.000	0.000	0.000
GR	750,000	1000,000	745,000	1045,000	740,000	1100,000	735,000	1140,000	730,000	1180,000
GR	725,000	1315,000	725,000	1320,000	723,000	1325,000	723,000	1335,000	725,000	1340,000
GR	728,000	1450,000	730,000	1470,000	735,000	1495,000	740,000	1520,000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1295,000	1355,000	0.000	0.000

X1	3000,000	0.000	0.000	0.000	400,000	400,000	400,000	0.000	2,000	0.000
NC	.090	.090	.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000
QT	7,000	480,000	790,000	950,000	1200,000	950,000	950,000	950,000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1145,000	1195,000	0.000	0.000

X1	3290,000	11,000	1187,000	1193,000	290,000	290,000	290,000	0.000	0.000	0.000
GR	750,000	1000,000	745,000	1055,000	740,000	1080,000	735,000	1150,000	734,000	1187,000
GR	729,800	1187,000	729,800	1193,000	734,000	1193,000	735,000	1208,000	740,000	1230,000
GR	745,000	1255,000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.080	.080	.015	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1145,000	1195,000	0.000	0.000

X1	3350,000	0,000	0,000	0,000	90,000	90,000	90,000	0,000	0,000	0,000
X3	10,000	0,000	0,000	0,000	0,000	0,000	0,000	740,000	740,000	0,000
SB	0,000	1,970	2,600	0,000	6,200	0,000	62,000	0,000	729,800	729,800
ET	0,000	0,000	0,000	0,000	0,000	7,100	1165,000	1215,000	0,000	0,000

\*\*\*TURNER ROAD\*\*\*

X1	3422,000	0,000	0,000	0,000	42,000	42,000	42,000	0,000	0,000	0,000
X2	0,000	0,000	1,000	739,200	742,000	0,000	0,000	0,000	0,000	0,000
X3	10,000	0,000	0,000	0,000	0,000	0,000	0,000	742,000	742,000	0,000
BT	9,000	1000,000	754,000	0,000	1080,000	748,000	0,000	1150,000	743,500	0,000
BT	1187,000	742,600	0,000	1187,000	742,600	739,200	1193,000	742,300	739,200	1193,000
BT	742,300	0,000	1208,000	742,000	0,000	1255,000	747,000	0,000	0,000	0,000
NC	.090	.100	.065	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0,000	0,000	0,000	0,000	0,000	7,100	1140,000	1215,000	0,000	0,000

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X1	3450.000	0.000	0.000	0.000	28.000	28.000	28.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1432.000	1507.000	0.000	0.000

\*\*\*SURVEY SECTION\*\*\*

X1	3550.000	13.000	1490.000	1507.000	100.000	100.000	100.000	0.000	-4.000	0.000
GR	755.000	1000.000	750.000	1085.000	745.000	1105.000	740.000	1255.000	739.700	1440.000
GR	739.300	1490.000	736.100	1493.000	736.000	1500.000	736.300	1503.000	740.700	1507.000
GR	744.900	1540.000	750.000	1560.000	755.000	1630.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1432.000	1507.000	0.000	0.000

X1	4000.000	0.000	0.000	0.000	450.000	450.000	450.000	0.000	2.500	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1432.000	1507.000	0.000	0.000

X1	4500.000	0.000	0.000	0.000	500.000	500.000	500.000	0.000	2.000	0.000
OT	7.000	340.000	530.000	630.000	760.000	630.000	630.000	630.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1370.000	1445.000	0.000	0.000

\*\*\*SURVEY SECTION\*\*\*

X1	5020.000	15.000	1430.000	1444.000	520.000	520.000	520.000	0.000	0.000	0.000
GR	765.000	1000.000	760.000	1010.000	755.000	1030.000	750.000	1050.000	745.000	1235.000
GR	745.000	1380.000	744.500	1430.000	740.900	1434.000	740.700	1438.000	741.100	1442.000
GR	744.900	1444.000	747.300	1480.000	755.000	1555.000	760.000	1620.000	765.000	1675.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1320.000	1395.000	0.000	0.000

X1	5250.000	12.000	1366.000	1374.000	230.000	230.000	230.000	0.000	0.000	0.000
GR	760.000	1000.000	755.000	1030.000	750.000	1130.000	745.000	1275.000	744.000	1366.000
GR	742.800	1366.000	742.800	1374.000	744.000	1374.000	745.000	1413.000	750.000	1480.000
GR	755.000	1515.000	760.000	1550.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.080	.110	.015	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1345.000	1395.000	0.000	0.000

X1	5300.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	750.000	750.000	0.000
SB	0.000	1.930	2.500	200.000	8.000	0.000	53.600	0.000	744.100	742.800
ET	0.000	0.000	0.000	0.000	0.000	7.100	1345.000	1395.000	0.000	0.000

\*\*\*FLACK STREET -WEIR ASSUMED\*\*\*

X1	5500.000	0.000	0.000	0.000	200.000	200.000	200.000	0.000	1.300	0.000
X2	0.000	0.000	1.000	750.800	774.000	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	774.000	774.000	0.000
NC	.100	.100	.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1345.000	1395.000	0.000	0.000

X1	5510.000	0.000	0.000	0.000	10.000	10.000	10.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1345.000	1395.000	0.000	0.000

X1	5520.000	0.000	0.000	0.000	10.000	10.000	10.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1345.000	1395.000	0.000	0.000

X1	5530.000	0.000	0.000	0.000	10.000	10.000	10.000	0.000	0.000	0.000
BJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

SHEPHERD & ASSOCIATES, INC.

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HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977  
ERROR CORR - 01  
MODIFICATION - 50,51,52  
\*\*\*\*\*

T1 REIDSVILLE, NC  
T2 KBO 3/30/77 0.7 FOOT FLOODWAY  
T3 TRIB A LITTLE TROUBLESOME CR

J1 ICHECK INO NINV IOIR STRT METRIC HVINS 0 WSEL FO  
-10, 6, 0, 0, 0.000000 0.00 0.0 0. 709.900 0.000  
J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNTH ITRACE  
15.000 0.000 -1.000 0.000 0.000 0.000 0.000 0.000 0.000 15.000

\*PROF 2  
CCHV= .200 CEHV= .400  
\*SECNO 10.000

SECNO	DEPTH	CWSEL	CRHS	WSELK	EG	HV	HL	OCUSS	BANK	ELEV
Q	GLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT	
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XCCH	XLOBR	ITRIAL	IDC	ICONT	CDRAR	TOPWTD	ENDST	

3470 ENCROACHMENT STATIONS= 770.0 850.0 TYPE= 1 TARGET= 80.000  
10.00 6.90 709.90 0.00 709.20 710.11 .21 0.00 0.00 705.00  
1200. 361. 839. 0. 200. 197. 0. 0. 0. 100001.00  
0.00 1.80 4.25 0.00 .120 .065 .120 0.000 703.00 770.00  
.003657 0. 0. 0. 0 0 0 0.00 80.00 850.00

FLOW DISTRIBUTION FOR SECNO= 10.00 CWSEL= 709.90

STA= 770, 802, 821, 852,  
PER Q= 16.1 14.0 69.9  
AREA= 116.6 83.6 197.1  
VEL= 1.7 2.0 4.3

\*SECNO 20.000

3470 ENCROACHMENT STATIONS= 770.0 850.0 TYPE= 1 TARGET= 80.000  
20.00 6.94 709.94 0.00 709.23 710.15 .21 .04 .00 705.00  
1200. 363. 837. 0. 202. 198. 0. 0. 0. 100000.00  
.00 1.80 4.22 0.00 .120 .065 .120 .059 703.00 770.00  
.003582 1.0 1.0 1.0 0 0 0 0.00 80.00 850.00

FLOW DISTRIBUTION FOR SECNO= 20.00 CWSEL= 709.94

STA= 770, 802, 821, 852,  
PER Q= 16.2 14.0 69.7  
AREA= 117.8 84.3 198.2  
VEL= 1.7 2.0 4.2

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 HEC2 RELEASE DATED NOV. 76 UPDATED FEB 1977  
 ERROR CORR - 01  
 MODIFICATION - 50,51,52  
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NOTE- ASTERISK [\*] AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

TRIB A LITTLE TROUBLESON

SUMMARY PRINTOUT

SECNO	CWSEL	EG	DIFWSP	ELMIN	10K*5	Q
10.000	709.20	709.33	0.00	703.00	25.06	1200.00
10.000	709.90	710.11	.70	703.00	36.57	1200.00
20.000	709.23	709.35	0.00	703.00	24.51	1200.00
20.000	709.94	710.15	.71	703.00	35.82	1200.00
30.000	709.20	709.38	0.00	703.00	23.92	1200.00
30.000	709.98	710.18	.72	703.00	35.03	1200.00
40.000	709.28	709.40	0.00	703.00	23.36	1200.00
40.000	710.02	710.22	.74	703.00	34.28	1200.00
640.000	710.58	710.65	0.00	704.00	18.51	1200.00
640.000	711.54	711.64	.96	704.00	16.87	1200.00
1200.000	711.56	711.64	0.50	705.00	16.72	1100.00
1200.000	712.49	712.58	.93	705.00	16.55	1100.00
* 2000.000	717.46	718.53	0.00	713.00	281.21	1010.00
* 2000.000	717.56	718.66	.08	713.00	327.29	1010.00
2600.000	727.82	728.13	0.00	723.00	100.54	1010.00
2600.000	728.42	728.89	.60	723.00	102.31	1010.00
3000.000	730.51	730.65	0.00	725.00	42.24	1010.00
3000.000	731.40	731.69	.89	725.00	49.70	1010.00
* 3290.000	736.51	737.40	0.00	729.80	308.64	950.00
* 3290.000	736.73	737.91	.22	729.80	350.68	950.00
* 3380.000	738.97	743.60	0.00	729.80	75.41	950.00
* 3380.000	738.97	743.60	.01	729.80	75.53	950.00
3422.000	743.56	743.60	0.00	729.80	.90	950.00
3422.000	743.32	743.60	-.23	729.80	3.45	950.00
3450.000	743.60	743.61	0.00	729.80	1.81	950.00
3450.000	743.63	743.66	.03	729.80	4.43	950.00

PRINTED BY: M. J. MOON  
 2





TRIS A LITTLE TROUBLESOM

SUMMARY PRINTOUT

SECNO	CWSEL	DIFWSP	QLOB	QCH	OROB	SSTA	STCHL	STCHR	ENDST	TOPWID
10.000	709.20	0.00	376.84	689.44	133.72	601.04	821.00	852.00	889.92	288.88
10.000	709.90	.70	361.39	838.61	0.00	770.00	821.00	852.00	850.00	80.00
20.000	709.23	0.00	379.50	686.53	133.97	599.47	821.00	852.00	890.06	290.59
20.000	709.94	.71	363.08	836.92	0.00	770.00	821.00	852.00	850.00	80.00
30.000	709.26	0.00	382.42	683.34	134.24	597.73	821.00	852.00	890.21	292.48
30.000	709.98	.72	364.90	835.10	0.00	770.00	821.00	852.00	850.00	80.00
40.000	709.28	0.00	385.25	680.25	134.49	596.04	821.00	852.00	890.37	294.33
40.000	710.02	.74	366.65	833.35	0.00	770.00	821.00	852.00	850.00	80.00
640.000	710.58	0.00	406.17	422.65	371.18	1240.74	1350.00	1370.00	1465.79	225.04
640.000	711.54	.96	366.67	509.63	323.70	1310.00	1350.00	1370.00	1405.00	95.00
1200.000	711.56	0.00	585.83	399.98	114.19	1233.75	1390.00	1410.00	1437.81	204.06
1200.000	712.49	.93	604.40	419.60	0.00	1320.00	1390.00	1410.00	1410.00	90.00
* 2000.000	717.48	0.00	206.50	744.99	58.51	1372.89	1425.00	1445.00	1459.89	86.99
* 2000.000	717.56	.08	241.72	768.27	0.00	1371.27	1425.00	1445.00	1445.00	73.72
2600.000	727.82	0.00	270.01	512.40	227.59	1238.87	1320.00	1340.00	1443.39	204.53
2600.000	728.42	.60	214.62	640.93	154.45	1300.00	1320.00	1340.00	1360.00	60.00
3000.000	730.51	0.00	302.36	424.63	283.00	1220.32	1320.00	1340.00	1455.07	234.75
3000.000	731.40	.89	281.50	606.23	122.26	1295.00	1320.00	1340.00	1355.00	60.00
* 3290.000	736.51	0.00	381.84	417.20	150.96	1128.86	1187.00	1193.00	1214.64	85.78
* 3290.000	736.73	.22	462.61	469.25	18.14	1145.00	1187.00	1193.00	1195.00	50.00
* 3380.000	738.97	0.00	0.00	950.00	0.00	1187.00	1187.00	1193.00	1193.00	6.00
* 3380.000	738.97	.01	0.00	950.00	0.00	1187.00	1187.00	1193.00	1193.00	6.00
3422.000	743.56	0.00	512.68	248.56	188.76	1062.21	1187.00	1193.00	1247.79	185.58
3422.000	743.32	.73	237.83	473.12	239.05	1165.00	1187.00	1193.00	1215.00	50.00
3450.000	743.60	0.00	652.14	81.70	216.17	1062.01	1187.00	1193.00	1247.99	185.99
3450.000	743.63	.03	592.53	128.30	229.09	1140.00	1187.00	1193.00	1215.00	75.00
3550.000	743.61	0.00	821.01	92.85	36.14	1094.55	1490.00	1507.00	1550.64	456.09
3550.000	743.67	.06	636.24	313.76	0.00	1432.00	1490.00	1507.00	1507.00	75.00
4000.000	743.63	0.00	806.95	121.80	21.24	1104.46	1490.00	1507.00	1540.92	436.46
4000.000	743.96	.32	595.01	354.99	0.00	1432.00	1490.00	1507.00	1507.00	75.00
4500.000	743.73	0.00	773.11	167.06	9.84	1158.02	1490.00	1507.00	1526.90	368.88
4500.000	744.69	.95	558.59	391.41	0.00	1432.00	1490.00	1507.00	1507.00	75.00
* 5020.000	745.64	0.00	257.10	368.58	4.32	1211.20	1430.00	1444.00	1455.15	243.95
5020.000	746.40	.76	235.13	393.19	1.68	1370.00	1430.00	1444.00	1445.00	75.00
5250.000	747.15	0.00	391.87	79.39	155.74	1212.65	1366.00	1374.00	1442.95	230.30
5250.000	747.99	.83	358.02	131.66	139.52	1320.00	1366.00	1374.00	1395.00	75.00

FORM 1000-10-60 (REV. 10-60)

SECNO	CWSEL	DIFWSP	QLOB	QCH	QROB	SSTA	STCHL	STCHR	ENDST	TOPWID
* 5300.000	748.56	0.00	0.00	630.00	0.00	1366.00	1366.00	1374.00	1374.00	8.00
* 5300.000	748.56	.01	0.00	630.00	0.00	1366.00	1366.00	1374.00	1374.00	8.00
* 5500.000	749.87	0.00	0.00	630.00	0.00	1366.00	1366.00	1374.00	1374.00	8.00
* 5500.000	749.87	0.00	0.00	630.00	0.00	1366.00	1366.00	1374.00	1374.00	8.00
5510.000	753.34	0.00	393.60	59.94	176.47	1089.13	1366.00	1374.00	1494.30	405.17
5510.000	753.25	-.08	193.70	247.15	189.15	1345.00	1366.00	1374.00	1395.00	50.00
5520.000	753.34	0.00	393.98	59.96	176.46	1089.21	1366.00	1374.00	1494.28	405.06
5520.000	753.26	-.08	193.71	247.13	189.16	1345.00	1366.00	1374.00	1395.00	50.00
5530.000	753.34	0.00	393.98	59.96	176.46	1089.21	1366.00	1374.00	1494.28	405.07
5530.000	753.27	-.07	193.71	247.13	189.16	1345.00	1366.00	1374.00	1395.00	50.00

SUMMARY OF ERRORS

CAUTION SECNO= 2000.000 PROFILE= 1 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 2000.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 2000.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO= 2000.000 PROFILE= 2 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 2000.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 2000.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 3290.000 PROFILE= 1 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 3290.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 3290.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO= 3290.000 PROFILE= 2 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 3290.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 3290.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 3380.000 PROFILE= 1 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 3380.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 3380.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO= 3380.000 PROFILE= 2 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 3380.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 3380.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 5020.000 PROFILE= 1 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 5020.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 5020.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 5300.000 PROFILE= 1 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 5300.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 5300.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO= 5300.000 PROFILE= 2 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 5300.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 5300.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 5500.000 PROFILE= 1 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 5500.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 5500.000 PROFILE= 2 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 5500.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY



FLOODWAY DATA, TRIB A LITTLE TROUBLESOM  
 PROFILE NO. 2

STATION	FLOODWAY			WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA	MEAN VELOCITY	WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
10.000	80.	397.	3.0	709.9	709.2	.7
20.000	80.	400.	3.0	709.9	709.2	.7
30.000	80.	403.	3.0	710.0	709.3	.7
40.000	80.	407.	3.0	710.0	709.3	.7
A 640.000	95.	591.	2.0	711.6	710.6	1.0
B 1200.000	90.	501.	2.2	712.5	711.6	.9
C 2000.000	74.	150.	6.7	717.6	717.5	.1
D 2600.000	60.	225.	4.5	728.4	727.8	.6
E 3000.000	60.	284.	3.6	731.4	730.5	.9
3290.000	50.	137.	6.9	736.7	736.5	.2
3380.000	6.	55.	17.3	739.0	739.0	0.0
3422.000	50.	485.	2.0	743.5	743.6	-.1
3450.000	75.	695.	1.4	743.6	743.6	0.0
F 3550.000	75.	655.	1.5	743.7	743.6	.1
4000.000	75.	489.	1.9	743.9	743.6	.3
G 4200.000	75.	393.	2.4	744.7	743.7	1.0
H 5020.000	75.	164.	3.8	746.4	745.6	.8
5250.000	75.	292.	2.2	748.0	747.2	.8
5300.000	8.	46.	13.7	748.6	748.6	0.0
5500.000	8.	46.	13.6	749.9	749.9	0.0
5510.000	50.	399.	1.6	753.3	753.3	0.0
5520.000	50.	400.	1.6	753.3	753.3	0.0
5530.000	50.	400.	1.6	753.3	753.3	0.0

\*\*\*\*\*  
 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977  
 ERROR CORR =  
 MODIFICATION = 50,51  
 \*\*\*\*\*

C  
 T1 REIDSVILLE, NC  
 T2 KBO 3/30/77 10YR  
 T3 TRIB A LITTLE TROUBLESOME CR

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	2.	0.	0.	,000700	0.00	0.0	0.	708,000	0,000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBV	CHNIM	ITRACE
	1,000	0,000	-1,000	0,000	0,000	0,000	0,000	0,000	0,000	15,000
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	38,000	1,000	3,000	16,000	17,000	18,000	42,000	0,000	38,000	1,000
	13,000	14,000	15,000	55,000	26,000	56,000	0,000	150,000	201,000	0,000
NC	,120	,120	,065	,200	,400	,400	0,000	0,000	0,000	0,000
QT	7,000	830,000	830,000	830,000	830,000	830,000	830,000	830,000	830,000	0,000

\*\*\*SURVEY SECTION ON L, TROUBLESOME CR,\*\*\*

X1	29600.000	24,000	821,000	852,000	0,000	0,000	0,000	0,000	0,000	0,000
GR	750,000	100,000	745,000	240,000	740,000	326,000	735,000	363,000	730,000	378,000
GR	725,000	420,000	720,000	438,000	715,000	468,000	710,000	488,000	705,000	802,000
GR	704,000	821,000	702,000	824,000	702,000	850,000	704,000	852,000	705,000	872,000
GR	710,000	900,000	715,000	950,000	720,000	974,000	725,000	1010,000	730,000	1040,000
GR	735,000	1074,000	740,000	1102,000	745,000	1174,000	750,000	1228,000	0,000	0,000
X1	29800.000	0,000	0,000	0,000	200,000	200,000	200,000	0,000	,500	0,000
X1	30040.000	0,000	0,000	0,000	240,000	240,000	240,000	0,000	,500	0,000
QT	7,000	610,000	1000,000	1200,000	1600,000	1200,000	1200,000	1200,000	0,000	0,000
X1	10,000	0,000	0,000	0,000	10,000	10,000	10,000	0,000	0,000	0,000
X1	20,000	0,000	0,000	0,000	10,000	10,000	10,000	0,000	0,000	0,000
X1	30,000	0,000	0,000	0,000	10,000	10,000	10,000	0,000	0,000	0,000
X1	40,000	0,000	0,000	0,000	10,000	10,000	10,000	0,000	0,000	0,000

X1	640.000	15.000	1350.000	1370.000	600.000	600.000	600.000	0.000	0.000	0.000
GR	725.000	1000.000	720.000	1030.000	715.000	1050.000	715.000	1170.000	710.000	1250.000
GR	705.000	1340.000	705.000	1350.000	704.000	1353.000	704.000	1363.000	705.000	1370.000
GR	705.000	1380.000	710.000	1460.000	715.000	1510.000	720.000	1550.000	725.000	1650.000
NC	.090	.090	.065	0.000	0.000	0.000	0.000	0.000	0.000	0.000
QT	7.000	580.000	950.000	1100.000	1500.000	1100.000	1100.000	1100.000	0.000	0.000

0 \*\*\*SURVEY SECTION\*\*\*

X1	1200.000	13.000	1390.000	1410.000	560.000	560.000	560.000	0.000	0.000	0.000
GR	725.000	1000.000	720.000	1020.000	720.000	1070.000	715.000	1110.000	710.000	1290.000
GR	706.000	1390.000	705.000	1393.000	705.000	1403.000	706.000	1410.000	710.000	1430.000
GR	715.000	1455.000	720.000	1490.000	725.000	1510.000	0.000	0.000	0.000	0.000
QT	7.000	550.000	840.000	1010.000	1300.000	1010.000	1010.000	1010.000	0.000	0.000

\*\*\*COMPOSED SECTION\*\*\*

X1	2000.000	10.000	1425.000	1445.000	800.000	800.000	800.000	0.000	0.000	0.000
GR	730.000	1000.000	725.000	1140.000	720.000	1320.000	715.000	1425.000	713.000	1428.000
GR	713.000	1438.000	715.000	1445.000	720.000	1475.000	725.000	1515.000	730.000	1600.000
NC	.090	.120	.065	0.000	0.000	0.000	0.000	0.000	0.000	0.000

\*\*\*COMPOSED SECTION\*\*\*

X1	2600.000	14.000	1320.000	1340.000	600.000	600.000	600.000	0.000	0.000	0.000
GR	750.000	1000.000	745.000	1045.000	740.000	1100.000	735.000	1140.000	730.000	1180.000
GR	725.000	1315.000	725.000	1320.000	723.000	1325.000	723.000	1335.000	725.000	1340.000
GR	728.000	1450.000	730.000	1470.000	735.000	1495.000	740.000	1520.000	0.000	0.000

X1	3000.000	0.000	0.000	0.000	400.000	400.000	400.000	0.000	2.000	0.000
NC	.090	.090	.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000
QT	7.000	480.000	790.000	950.000	1200.000	950.000	950.000	950.000	0.000	0.000

X1	3290.000	11.000	1187.000	1193.000	290.000	290.000	290.000	0.000	0.000	0.000
GR	750.000	1000.000	745.000	1055.000	740.000	1080.000	735.000	1150.000	734.000	1187.000
GR	729.800	1187.000	729.800	1193.000	734.000	1193.000	735.000	1208.000	740.000	1230.000
GR	745.000	1255.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.080	.080	.015	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	3380.000	0.000	0.000	0.000	90.000	90.000	90.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	740.000	740.000	0.000
SB	0.000	1.570	2.600	0.000	6.200	0.000	62.600	0.000	729.800	729.800

\*\*\*COMPOSED SECTION\*\*\*

X1	3422.000	0.000	0.000	0.000	42.000	42.000	42.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	739.200	742.000	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	742.000	742.000	0.000
BT	9.000	1000.000	754.000	0.000	1080.000	748.000	0.000	1150.000	743.500	0.000
BT	1187.000	742.600	0.000	1187.000	742.600	739.200	1193.000	742.300	739.200	1193.000
BT	742.300	0.000	1208.000	742.000	0.000	1255.000	747.000	0.000	0.000	0.000
NC	.090	.100	.065	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	3450.000	0.000	0.000	0.000	28.000	28.000	28.000	0.000	0.500	0.000
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\*\*\*TURNER ROAD\*\*\*

SPEED/1000 Meter Per Hour Form 1-67

X1	3590.000	13.000	1490.000	1507.000	100.000	100.000	100.000	0.000	4.000	0.000
GR	755.000	1000.000	750.000	1085.000	745.000	1105.000	740.000	1255.000	739.700	1440.000
GR	739.300	1490.000	736.100	1493.000	736.000	1500.000	736.300	1503.000	740.700	1507.000
GR	744.900	1540.000	750.000	1560.000	755.000	1630.000	0.000	0.000	0.000	0.000

X1	4000.000	0.000	0.000	0.000	450.000	450.000	450.000	0.000	2.500	0.000
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X1	4500.000	0.000	0.000	0.000	500.000	500.000	500.000	0.000	2.000	0.000
QT	7.000	340.000	530.000	630.000	760.000	630.000	630.000	630.000	0.000	0.000

\*\*\*SURVEY SECTION\*\*\*

X1	5020.000	15.000	1430.000	1444.000	520.000	520.000	520.000	0.000	0.000	0.000
GR	765.000	1000.000	760.000	1010.000	755.000	1030.000	750.000	1050.000	745.000	1235.000
GR	745.000	1380.000	744.500	1430.000	740.900	1434.000	740.700	1438.000	741.100	1442.000
GR	744.900	1444.000	747.300	1480.000	755.000	1555.000	760.000	1620.000	765.000	1675.000

X1	5250.000	12.000	1366.000	1374.000	230.000	230.000	230.000	0.000	0.000	0.000
GR	760.000	1000.000	755.000	1030.000	750.000	1130.000	745.000	1275.000	744.000	1366.000
GR	742.800	1366.000	742.800	1374.000	744.000	1374.000	745.000	1415.000	750.000	1480.000
GR	755.000	1515.000	760.000	1550.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	.080	.110	.015	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	5300.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	750.000	750.000	0.000
SB	0.000	1.930	2.500	200.000	8.000	0.000	53.600	0.000	744.100	742.800

\*\*\*SURVEY SECTION\*\*\*

X1	5500.000	0.000	0.000	0.000	200.000	200.000	200.000	0.000	1.300	0.000
X2	0.000	0.000	1.000	750.800	774.000	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	774.000	774.000	0.000
NC	.100	.100	.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	5510.000	0.000	0.000	0.000	10.000	10.000	10.000	0.000	0.000	0.000
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X1	5520.000	0.000	0.000	0.000	10.000	10.000	10.000	0.000	0.000	0.000
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X1	5530.000	0.000	0.000	0.000	10.000	10.000	10.000	0.000	0.000	0.000
EJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977  
 ERROR CORR -  
 MODIFICATION - 50,51  
 \*\*\*\*\*

T1 REIDSVILLE, NC  
 T2 KBO 3/30/77 50 YR  
 T3 TRIB A LITTLE TROUBLESOME CK

J1	CHECK	INO	NINV	IDIR	STRT	METRIC	WVINS	0	WSEL	FO
	-10.	3.	0.	0.	.000700	0.00	0.0	0.	708.000	0.000
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	15.000

\*PROF 2  
 GCHV= .200 CEHV= .400  
 \*SECNO 29600.000

SECNO	DEPTH	CWSEL	CRHS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*\*\*SURVEY SECTION ON L. TROUBLESOME CR,\*\*\*

29600.00	6.81	708.81	0.00	708.00	708.85	.04	0.00	0.00	704.00
830.	303.	431.	96.	538.	206.	127.	0.	0.	704.00
0.00	.56	2.09	.75	.120	.065	.120	0.000	702.00	562.71
.000711	0.	0.	0.	0	0	4	0.00	330.63	893.34

FLOW DISTRIBUTION FOR SECNO= 29600.00 CWSEL= 708.81

STA=	563.	802.	821.	852.	872.	893.
PER 0=	27.9	8.6	52.0	9.1	2.5	
AREA=	455.9	81.9	206.1	86.2	40.7	
VEL=	.5	.9	2.1	.9	.5	

\*SECNO 29800.000

29800.00	6.47	708.97	0.00	0.00	709.02	.05	.16	.00	704.50
830.	279.	457.	94.	451.	195.	113.	4.	1.	704.50
.03	.62	2.34	.83	.120	.065	.120	.065	702.50	584.71
.000955	200.	200.	200.	1	0	0	0.00	306.07	891.38

FLOW DISTRIBUTION FOR SECNO= 29800.00 CWSEL= 708.97

STA=	585.	802.	821.	852.	872.	891.
PER 0=	25.0	8.7	55.0	9.1	2.2	
AREA=	375.9	75.2	195.3	79.2	33.5	
VEL=	.6	1.0	2.3	1.0	.5	





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HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977  
ERROR CORR -  
MODIFICATION - 50.51  
\*\*\*\*\*

T1 REIDSVILLE, NC  
T2 KBO 3/30/77 500 YR  
T3 TRIB A LITTLE TROUBLESOME CK

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FQ
	0.	5.	0.	0.	.000700	0.00	0.0	0.	708,000	0.000
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	15,000	0.000	-1,000	0.000	0.000	0.000	0.000	0.000	0.000	15,000

2

\*\*\*\*\*  
 MEC2 RELEASE DATED NOV 76 UPDATED FEB 1977  
 ERROR CORR -  
 MODIFICATION = 50,51  
 \*\*\*\*\*

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

TRIB A LITTLE TROUBLESOM

SUMMARY PRINTOUT

SECNO	CWSEL	EG	K*XNL	K*XNCH	K*XNR	ELMIN
29600.000	708.81	708.85	120.00	65.00	120.00	702.00
29600.000	708.81	708.85	120.00	65.00	120.00	702.00
29600.000	708.81	708.85	120.00	65.00	120.00	702.00
29600.000	708.81	708.85	120.00	65.00	120.00	702.00
29800.000	708.97	709.02	120.00	65.00	120.00	702.50
29800.000	708.97	709.02	120.00	65.00	120.00	702.50
29800.000	708.97	709.02	120.00	65.00	120.00	702.50
29800.000	708.97	709.02	120.00	65.00	120.00	702.50
30040.000	709.22	709.28	120.00	65.00	120.00	703.00
30040.000	709.22	709.28	120.00	65.00	120.00	703.00
30040.000	709.22	709.28	120.00	65.00	120.00	703.00
30040.000	709.22	709.28	120.00	65.00	120.00	703.00
10.000	709.26	709.29	120.00	65.00	120.00	703.00
10.000	709.21	709.30	120.00	65.00	120.00	703.00
10.000	709.19	709.32	120.00	65.00	120.00	703.00
10.000	709.13	709.37	120.00	65.00	120.00	703.00
20.000	709.27	709.30	120.00	65.00	120.00	703.00
20.000	709.23	709.32	120.00	65.00	120.00	703.00
20.000	709.22	709.35	120.00	65.00	120.00	703.00
20.000	709.19	709.42	120.00	65.00	120.00	703.00
30.000	709.27	709.30	120.00	65.00	120.00	703.00
30.000	709.25	709.34	120.00	65.00	120.00	703.00
30.000	709.25	709.37	120.00	65.00	120.00	703.00
30.000	709.25	709.47	120.00	65.00	120.00	703.00
40.000	709.28	709.31	120.00	65.00	120.00	703.00
40.000	709.27	709.35	120.00	65.00	120.00	703.00
40.000	709.27	709.40	120.00	65.00	120.00	703.00
40.000	709.30	709.51	120.00	65.00	120.00	703.00
640.000	709.73	709.77	120.00	65.00	120.00	704.00
640.000	710.28	710.35	120.00	65.00	120.00	704.00
640.000	710.58	710.65	120.00	65.00	120.00	704.00
640.000	711.16	711.25	120.00	65.00	120.00	704.00

SECNO	CHSEL	EG	K*XL	K*LNCH	K*XNR	ELMIN
1200.000	710.38	710.43	90.00	65.00	90.00	705.00
1200.000	711.22	711.29	90.00	65.00	90.00	705.00
1200.000	711.56	711.64	90.00	65.00	90.00	705.00
1200.000	712.25	712.34	90.00	65.00	90.00	705.00
* 2000.000	716.47	717.37	90.00	65.00	90.00	713.00
* 2000.000	717.17	718.16	90.00	65.00	90.00	713.00
* 2000.000	717.48	718.53	90.00	65.00	90.00	713.00
* 2000.000	717.94	719.06	90.00	65.00	90.00	713.00
2600.000	726.97	727.24	90.00	65.00	120.00	723.00
2600.000	727.54	727.84	90.00	65.00	120.00	723.00
2600.000	727.82	728.13	90.00	65.00	120.00	723.00
2600.000	728.22	728.54	90.00	65.00	120.00	723.00
3000.000	729.58	729.70	90.00	65.00	120.00	725.00
3000.000	730.22	730.35	90.00	65.00	120.00	725.00
3000.000	730.51	730.65	90.00	65.00	120.00	725.00
3000.000	730.93	731.08	90.00	65.00	120.00	725.00
* 3290.000	735.76	736.41	90.00	50.00	90.00	729.80
* 3290.000	736.29	737.11	90.00	50.00	90.00	729.80
* 3290.000	736.51	737.40	90.00	50.00	90.00	729.80
* 3290.000	736.80	737.81	90.00	50.00	90.00	729.80
* 3380.000	735.63	738.55	80.00	15.00	80.00	729.80
* 3380.000	737.90	742.00	80.00	15.00	80.00	729.80
* 3380.000	738.97	743.60	80.00	15.00	80.00	729.80
* 3380.000	740.14	740.49	80.00	15.00	80.00	729.80
3422.000	737.11	738.97	80.00	15.00	80.00	729.80
3422.000	739.47	742.52	80.00	15.00	80.00	729.80
3422.000	743.56	743.60	80.00	15.00	80.00	729.80
3422.000	744.29	744.34	80.00	15.00	80.00	729.80
3450.000	739.36	739.37	90.00	65.00	100.00	729.80
3450.000	743.13	743.14	90.00	65.00	100.00	729.80
3450.000	743.60	743.61	90.00	65.00	100.00	729.80
3450.000	744.34	744.35	90.00	65.00	100.00	729.80
3550.000	739.39	739.40	90.00	65.00	100.00	732.00
3550.000	743.14	743.14	90.00	65.00	100.00	732.00
3550.000	743.61	743.62	90.00	65.00	100.00	732.00
3550.000	744.36	744.36	90.00	65.00	100.00	732.00
4000.000	739.50	739.56	90.00	65.00	100.00	734.50
4000.000	743.16	743.16	90.00	65.00	100.00	734.50
4000.000	743.63	743.64	90.00	65.00	100.00	734.50
4000.000	744.38	744.38	90.00	65.00	100.00	734.50
4500.000	741.23	741.33	90.00	65.00	100.00	736.50
4500.000	743.26	743.27	90.00	65.00	100.00	736.50
4500.000	743.73	743.75	90.00	65.00	100.00	736.50
4500.000	744.47	744.48	90.00	65.00	100.00	736.50

SECNO	CHSEL	EG	K*XNL	K*XNCH	K*XNR	ELMIN
* 5020.000	745,33	745,64	90,00	65,00	100,00	740,70
* 5020.000	745,56	745,94	90,00	65,00	100,00	740,70
* 5020.000	745,64	746,07	90,00	65,00	100,00	740,70
* 5020.000	745,79	746,20	90,00	65,00	100,00	740,70
5250.000	746,47	746,49	90,00	65,00	100,00	742,80
5250.000	746,94	746,97	90,00	65,00	100,00	742,80
5250.000	747,15	747,18	90,00	65,00	100,00	742,80
5250.000	747,36	747,40	90,00	65,00	100,00	742,80
* 5300.000	746,61	748,54	80,00	15,00	110,00	742,80
* 5300.000	747,93	750,52	80,00	15,00	110,00	742,80
* 5300.000	748,56	751,46	80,00	15,00	110,00	742,80
* 5300.000	749,33	752,60	80,00	15,00	110,00	742,80
* 5500.000	747,91	749,84	80,00	15,00	110,00	744,10
* 5500.000	749,24	751,82	80,00	15,00	110,00	744,10
* 5500.000	749,87	752,76	80,00	15,00	110,00	744,10
5500.000	753,90	755,36	80,00	15,00	110,00	744,10
5510.000	750,23	750,23	100,00	40,00	100,00	744,10
5510.000	752,33	752,34	100,00	40,00	100,00	744,10
5510.000	753,34	753,34	100,00	40,00	100,00	744,10
5510.000	755,65	755,65	100,00	40,00	100,00	744,10
5520.000	750,23	750,23	100,00	40,00	100,00	744,10
5520.000	752,33	752,34	100,00	40,00	100,00	744,10
5520.000	753,34	753,34	100,00	40,00	100,00	744,10
5520.000	755,65	755,65	100,00	40,00	100,00	744,10
5530.000	750,23	750,23	100,00	40,00	100,00	744,10
5530.000	752,34	752,34	100,00	40,00	100,00	744,10
5530.000	753,34	753,34	100,00	40,00	100,00	744,10
5530.000	755,65	755,65	100,00	40,00	100,00	744,10



TRIB A LITTLE TROUBLESOM

SUMMARY PRINTOUT

SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VR08
29600.000	700.81	302.97	431.25	95.78	.56	2.09	.75
29600.000	708.81	302.97	431.25	95.78	.56	2.09	.75
29600.000	708.81	302.97	431.25	95.78	.56	2.09	.75
29600.000	708.81	302.97	431.25	95.78	.56	2.09	.75
29800.000	708.97	279.32	456.57	94.10	.62	2.34	.83
29800.000	708.97	279.32	456.57	94.10	.62	2.34	.83
29800.000	708.97	279.32	456.57	94.10	.62	2.34	.83
29800.000	708.97	279.32	456.57	94.10	.62	2.34	.83
30040.000	709.22	261.76	475.64	92.60	.66	2.53	.90
30040.000	709.22	261.76	475.64	92.60	.66	2.53	.90
30040.000	709.22	261.76	475.64	92.60	.66	2.53	.90
30040.000	709.22	261.76	475.64	92.60	.66	2.53	.90
10.000	709.26	194.72	347.01	68.27	.48	1.84	.65
10.000	709.21	315.77	572.63	111.60	.80	3.05	1.08
10.000	709.19	375.97	690.38	133.64	.96	3.69	1.31
10.000	709.13	492.94	929.67	177.39	1.31	5.02	1.77
20.000	709.27	195.20	346.49	68.31	.48	1.83	.65
20.000	709.23	316.48	571.85	111.66	.80	3.04	1.08
20.000	709.22	377.94	688.23	133.83	.96	3.67	1.30
20.000	709.19	501.46	920.34	178.20	1.28	4.92	1.74
30.000	709.27	195.39	346.28	68.33	.48	1.83	.65
30.000	709.25	318.27	569.90	111.83	.79	3.02	1.07
30.000	709.25	381.53	684.31	134.16	.95	3.63	1.29
30.000	709.25	507.97	913.22	178.81	1.27	4.85	1.72
40.000	709.28	195.72	345.92	68.36	.48	1.82	.65
40.000	709.27	319.88	568.15	111.97	.79	3.00	1.06
40.000	709.27	384.48	681.10	134.42	.94	3.60	1.28
40.000	709.30	515.24	905.30	179.46	1.25	4.76	1.69
640.000	709.73	191.15	243.20	175.65	.77	2.22	.78
640.000	710.28	329.36	368.99	301.65	1.09	3.06	1.10
640.000	710.58	406.11	422.76	371.13	1.21	3.34	1.22
640.000	711.16	564.90	521.15	513.95	1.41	3.77	1.42
1200.000	710.38	265.42	262.18	52.39	1.10	2.56	1.09
1200.000	711.22	488.11	366.26	95.63	1.40	3.07	1.41
1200.000	711.56	585.80	400.02	114.18	1.46	3.17	1.48
1200.000	712.25	845.58	491.53	162.89	1.64	3.52	1.67
* 2000.000	716.47	53.55	481.27	15.17	2.37	8.11	2.35
* 2000.000	717.17	145.08	653.81	41.11	2.94	8.91	2.91
* 2000.000	717.48	206.50	744.99	58.51	3.19	9.36	3.17
* 2000.000	717.94	321.71	887.13	91.15	3.55	10.00	3.52
2600.000	726.97	110.50	352.83	86.67	1.78	5.09	1.22
2600.000	727.54	208.29	459.47	172.24	2.09	5.69	1.46
2600.000	727.82	270.01	512.40	227.59	2.22	5.93	1.56
2600.000	728.22	374.40	589.85	335.75	2.39	6.24	1.77

L. J. ...

SECNO	CWSEL	QLOB	QCH	QRDB	VLOB	VCH	VROB
3000.000	729.58	138.07	297.40	114.53	1.34	3.65	.94
3000.000	730.22	241.58	382.18	216.24	1.55	4.05	1.15
3000.000	730.51	302.35	424.63	283.00	1.65	4.24	1.27
3000.000	730.93	409.72	493.24	397.04	1.79	4.54	1.46
* 3290.000	735.76	137.88	286.79	55.33	2.71	8.01	2.73
* 3290.000	736.29	295.21	377.55	117.23	3.79	9.69	3.84
* 3290.000	736.51	381.84	417.20	150.96	4.23	10.36	4.29
* 3290.000	736.80	520.98	474.27	204.75	4.83	11.29	4.91
* 3380.000	735.63	0.00	480.00	0.00	0.00	13.73	0.00
* 3380.000	737.90	0.00	790.00	0.00	0.00	16.25	0.00
* 3380.000	738.97	0.00	950.00	0.00	0.00	17.26	0.00
* 3380.000	740.14	536.60	463.92	199.49	1.36	7.48	1.40
3422.000	737.11	0.00	480.00	0.00	0.00	10.95	0.00
3422.000	739.47	0.00	790.00	0.00	0.00	14.01	0.00
3422.000	743.56	512.68	248.56	188.76	.65	3.01	.63
3422.000	744.29	659.90	295.44	244.66	.75	3.40	.71
3450.000	739.36	298.36	80.65	101.00	.95	1.41	.88
3450.000	743.13	539.98	71.66	178.35	.73	.90	.64
3450.000	743.60	652.14	81.70	216.17	.82	.99	.71
3450.000	744.34	827.86	95.74	276.39	.93	1.10	.80
3550.000	739.39	392.93	81.64	5.43	.38	.74	.19
3550.000	743.14	681.50	80.39	28.11	.28	.46	.18
3550.000	743.61	821.01	92.85	36.14	.31	.51	.21
3550.000	744.36	1039.21	110.88	49.91	.36	.57	.24
4000.000	739.50	294.12	185.80	.08	.97	2.69	.22
4000.000	743.16	666.69	108.37	14.94	.45	.83	.24
4000.000	743.63	806.95	121.30	21.24	.49	.87	.28
4000.000	744.38	1027.21	139.29	33.51	.53	.92	.32
4500.000	741.23	259.87	220.13	.00	1.10	3.40	.01
4500.000	743.26	628.89	155.13	5.98	.77	1.57	.36
4500.000	743.73	773.11	167.06	9.84	.80	1.56	.39
4500.000	744.47	998.96	183.30	17.75	.82	1.53	.42
* 5020.000	745.33	78.25	260.95	.79	1.00	5.12	.59
* 5020.000	745.56	195.21	331.84	2.95	1.53	6.12	.90
* 5020.000	745.64	257.10	368.58	4.32	1.77	6.65	1.04
* 5020.000	745.79	358.65	394.23	7.12	2.00	6.85	1.19
5250.000	746.47	203.75	53.68	82.56	.96	1.83	.87
5250.000	746.94	326.60	71.09	132.31	1.18	2.15	1.06
5250.000	747.15	391.87	79.39	158.74	1.27	2.28	1.14
5250.000	747.36	476.58	90.38	193.04	1.40	2.48	1.26
* 5300.000	746.61	0.00	340.00	0.00	0.00	11.14	0.00
* 5300.000	747.93	0.00	530.00	0.00	0.00	12.92	0.00
* 5300.000	748.56	0.00	630.00	0.00	0.00	13.68	0.00
* 5300.000	749.33	0.00	760.00	0.00	0.00	14.54	0.00



TRIB A LITTLE TROUBLESOM

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	O	CHSEL	CRINS	EG	10K+S	VCH	AREA
29600.000	0.00	0.00	0.00	702.00	830.00	708.81	0.00	708.85	7.11	2.09	870.
29600.000	0.00	0.00	0.00	702.00	830.00	708.81	0.00	708.85	7.11	2.09	870.
29600.000	0.00	0.00	0.00	702.00	830.00	708.81	0.00	708.85	7.11	2.09	870.
29600.000	0.00	0.00	0.00	702.00	830.00	708.81	0.00	708.85	7.11	2.09	870.
29800.000	200.00	0.00	0.00	702.50	830.00	708.97	0.00	709.02	9.55	2.34	739.
29800.000	200.00	0.00	0.00	702.50	830.00	708.97	0.00	709.02	9.55	2.34	759.
29800.000	200.00	0.00	0.00	702.50	830.00	708.97	0.00	709.02	9.55	2.34	759.
29800.000	200.00	0.00	0.00	702.50	830.00	708.97	0.00	709.02	9.55	2.34	759.
30040.000	240.00	0.00	0.00	703.00	830.00	709.22	0.00	709.28	11.83	2.53	686.
30040.000	240.00	0.00	0.00	703.00	830.00	709.22	0.00	709.28	11.83	2.53	686.
30040.000	240.00	0.00	0.00	703.00	830.00	709.22	0.00	709.28	11.83	2.53	686.
30040.000	240.00	0.00	0.00	703.00	830.00	709.22	0.00	709.28	11.83	2.53	686.
10.000	10.00	0.00	0.00	703.00	610.00	709.26	0.00	709.29	6.15	1.84	698.
10.000	10.00	0.00	0.00	703.00	1000.00	709.21	0.00	709.30	17.10	3.05	687.
10.000	10.00	0.00	0.00	703.00	1200.00	709.19	0.00	709.32	25.25	3.69	679.
10.000	10.00	0.00	0.00	703.00	1600.00	709.13	0.00	709.37	47.29	5.02	662.
20.000	10.00	0.00	0.00	703.00	610.00	709.27	0.00	709.30	6.10	1.83	701.
20.000	10.00	0.00	0.00	703.00	1000.00	709.23	0.00	709.32	16.98	3.04	689.
20.000	10.00	0.00	0.00	703.00	1200.00	709.22	0.00	709.35	24.83	3.67	684.
20.000	10.00	0.00	0.00	703.00	1600.00	709.19	0.00	709.42	44.84	4.92	679.
30.000	10.00	0.00	0.00	703.00	610.00	709.27	0.00	709.30	6.08	1.83	702.
30.000	10.00	0.00	0.00	703.00	1000.00	709.25	0.00	709.34	16.68	3.02	695.
30.000	10.00	0.00	0.00	703.00	1200.00	709.25	0.00	709.37	24.10	3.63	694.
30.000	10.00	0.00	0.00	703.00	1600.00	709.25	0.00	709.47	43.04	4.85	693.
40.000	10.00	0.00	0.00	703.00	610.00	709.28	0.00	709.31	6.05	1.82	704.
40.000	10.00	0.00	0.00	703.00	1000.00	709.27	0.00	709.35	16.41	3.00	701.
40.000	10.00	0.00	0.00	703.00	1200.00	709.27	0.00	709.40	23.51	3.60	702.
40.000	10.00	0.00	0.00	703.00	1600.00	709.30	0.00	709.51	41.12	4.76	708.
640.000	600.00	0.00	0.00	704.00	610.00	709.73	0.00	709.77	9.89	2.22	584.
640.000	600.00	0.00	0.00	704.00	1000.00	710.28	0.00	710.35	16.63	3.06	698.
640.000	600.00	0.00	0.00	704.00	1200.00	710.56	0.00	710.65	18.53	3.34	765.
640.000	600.00	0.00	0.00	704.00	1600.00	711.16	0.00	711.25	21.01	3.77	900.
1200.000	560.00	0.00	0.00	705.00	580.00	710.38	0.00	710.43	14.36	2.56	390.
1200.000	560.00	0.00	0.00	705.00	950.00	711.22	0.00	711.29	16.95	3.07	534.
1200.000	560.00	0.00	0.00	705.00	1100.00	711.56	0.00	711.64	16.73	3.17	603.
1200.000	560.00	0.00	0.00	705.00	1500.00	712.25	0.00	712.34	17.95	3.52	751.
* 2000.000	800.00	0.00	0.00	713.00	550.00	716.47	716.47	717.37	313.09	8.11	88.
* 2000.000	800.00	0.00	0.00	713.00	840.00	717.17	717.17	718.16	284.33	8.91	136.
* 2000.000	800.00	0.00	0.00	713.00	1030.00	717.48	717.48	718.53	281.21	9.36	162.
* 2000.000	800.00	0.00	0.00	713.00	1300.00	717.94	717.94	719.06	277.95	10.69	205.
2600.000	600.00	0.00	0.00	723.00	550.00	726.97	0.00	727.24	99.10	5.09	202.
2600.000	600.00	0.00	0.00	723.00	840.00	727.54	0.00	727.84	101.45	5.69	298.
2600.000	600.00	0.00	0.00	723.00	1010.00	727.82	0.00	728.13	100.59	5.93	353.
2600.000	600.00	0.00	0.00	723.00	1300.00	728.22	0.00	728.54	98.96	6.24	440.

SECNO	XLCH	ELTRD	ELLC	ELHIN	Q	CWSEL	CRWS	EG	10K+S	VCH	AREA
3000.000	400.00	0.00	0.00	725.00	550.00	729.58	0.00	729.70	41.04	3.65	306.
3000.000	400.00	0.00	0.00	725.00	840.00	730.22	0.00	730.35	41.83	4.05	438.
3000.000	400.00	0.00	0.00	725.00	1010.00	730.51	0.00	730.65	42.24	4.24	505.
3000.000	400.00	0.00	0.00	725.00	1300.00	730.93	0.00	731.08	43.40	4.54	609.
* 3290.000	290.00	0.00	0.00	729.80	480.00	735.76	735.76	736.41	216.02	8.01	106.
* 3290.000	290.00	0.00	0.00	729.80	790.00	736.29	736.29	737.11	282.33	9.69	147.
* 3290.000	290.00	0.00	0.00	729.80	950.00	736.51	736.51	737.40	308.64	10.36	165.
* 3290.000	290.00	0.00	0.00	729.80	1200.00	736.80	736.80	737.81	346.09	11.29	191.
* 3380.000	90.00	0.00	0.00	729.80	480.00	735.63	735.63	738.55	67.90	13.73	34.
* 3380.000	90.00	0.00	0.00	729.80	790.00	737.90	737.90	742.00	73.08	16.25	48.
* 3380.000	90.00	0.00	0.00	729.80	950.00	738.97	738.97	743.60	75.41	17.26	55.
* 3380.000	90.00	0.00	0.00	729.80	1200.00	740.14	740.14	740.49	8.13	7.48	598.
3422.000	42.00	742.00	739.20	729.80	480.00	737.11	735.62	738.97	35.90	10.95	43.
3422.000	42.00	742.00	739.20	729.80	790.00	739.47	0.00	742.52	70.71	14.01	56.
3422.000	42.00	742.00	739.20	729.80	950.00	743.56	0.00	743.60	.90	3.01	1174.
3422.000	42.00	742.00	739.20	729.80	1200.00	744.29	0.00	744.34	1.03	3.40	1312.
3450.000	28.00	0.00	0.00	729.80	480.00	739.36	0.00	739.37	6.00	1.41	484.
3450.000	28.00	0.00	0.00	729.80	790.00	743.13	0.00	743.14	1.57	.90	1093.
3450.000	28.00	0.00	0.00	729.80	950.00	743.60	0.00	743.61	1.81	.99	1181.
3450.000	28.00	0.00	0.00	729.80	1200.00	744.34	0.00	744.35	2.09	1.10	1322.
3550.000	100.00	0.00	0.00	732.00	480.00	739.39	0.00	739.40	1.12	.74	1161.
3550.000	100.00	0.00	0.00	732.00	790.00	743.14	0.00	743.14	.24	.46	2762.
3550.000	100.00	0.00	0.00	732.00	950.00	743.61	0.00	743.62	.27	.51	2976.
3550.000	100.00	0.00	0.00	732.00	1200.00	744.36	0.00	744.36	.31	.57	3317.
4000.000	450.00	0.00	0.00	734.50	480.00	739.50	0.00	739.56	27.04	2.69	373.
4000.000	450.00	0.00	0.00	734.50	790.00	743.16	0.00	743.16	1.08	.83	1666.
4000.000	450.00	0.00	0.00	734.50	950.00	743.63	0.00	743.64	1.12	.87	1871.
4000.000	450.00	0.00	0.00	734.50	1200.00	744.38	0.00	744.38	1.10	.92	2198.
4500.000	500.00	0.00	0.00	736.50	480.00	741.23	0.00	741.33	47.36	3.40	299.
4500.000	500.00	0.00	0.00	736.50	790.00	743.26	0.00	743.27	5.70	1.57	930.
4500.000	500.00	0.00	0.00	736.50	950.00	743.73	0.00	743.75	5.09	1.56	1101.
4500.000	500.00	0.00	0.00	736.50	1200.00	744.47	0.00	744.48	4.24	1.53	1383.
* 5020.000	520.00	0.00	0.00	740.70	340.00	745.33	745.33	745.64	122.52	5.12	130.
* 5020.000	520.00	0.00	0.00	740.70	530.00	745.56	745.56	745.94	160.65	6.12	185.
* 5020.000	520.00	0.00	0.00	740.70	630.00	745.64	745.64	746.07	184.92	6.65	205.
* 5020.000	520.00	0.00	0.00	740.70	760.00	745.79	745.79	746.20	186.63	6.85	242.
5250.000	230.00	0.00	0.00	742.80	340.00	746.47	0.00	746.49	15.93	1.83	336.
5250.000	230.00	0.00	0.00	742.80	530.00	746.94	0.00	746.97	18.79	2.15	434.
5250.000	230.00	0.00	0.00	742.80	630.00	747.15	0.00	747.18	19.90	2.28	481.
5250.000	230.00	0.00	0.00	742.80	760.00	747.36	0.00	747.40	22.01	2.48	531.
* 5300.000	50.00	0.00	0.00	742.80	340.00	746.61	746.61	748.54	40.62	11.14	30.
* 5300.000	50.00	0.00	0.00	742.80	530.00	747.93	747.93	750.52	41.84	12.92	41.
* 5300.000	50.00	0.00	0.00	742.80	630.00	748.56	748.56	751.46	42.58	13.68	46.
* 5300.000	50.00	0.00	0.00	742.80	760.00	749.33	749.33	752.62	43.44	14.54	52.



SENO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA
5500.000	200.00	774.00	750.80	744.10	340.00	747.91	747.91	749.84	40.62	11.14	30.
5500.000	200.00	774.00	750.80	744.10	530.00	749.24	749.24	751.82	41.58	12.89	41.
5500.000	200.00	774.00	750.80	744.10	630.00	749.87	749.87	752.76	42.22	13.64	46.
5500.000	200.00	774.00	750.80	744.10	760.00	753.90	0.00	755.36	14.45	9.69	78.
5510.000	10.00	0.00	0.00	744.10	340.00	750.23	0.00	750.23	.89	.98	956.
5510.000	10.00	0.00	0.00	744.10	530.00	752.33	0.00	752.34	.45	.85	1687.
5510.000	10.00	0.00	0.00	744.10	630.00	753.34	0.00	753.34	.35	.81	2080.
5510.000	10.00	0.00	0.00	744.10	760.00	755.65	0.00	755.65	.17	.65	3086.
5520.000	10.00	0.00	0.00	744.10	340.00	750.23	0.00	750.23	.88	.98	960.
5520.000	10.00	0.00	0.00	744.10	530.00	752.33	0.00	752.34	.45	.85	1685.
5520.000	10.00	0.00	0.00	744.10	630.00	753.34	0.00	753.34	.35	.81	2078.
5520.000	10.00	0.00	0.00	744.10	760.00	755.65	0.00	755.65	.16	.65	3089.
5530.000	10.00	0.00	0.00	744.10	340.00	750.23	0.00	750.23	.89	.98	957.
5530.000	10.00	0.00	0.00	744.10	530.00	752.34	0.00	752.34	.45	.85	1685.
5530.000	10.00	0.00	0.00	744.10	630.00	753.34	0.00	753.34	.35	.81	2078.
5530.000	10.00	0.00	0.00	744.10	760.00	755.65	0.00	755.65	.17	.65	3086.

TRIB A LITTLE TROUBLESOM

SUMMARY PRINTOUT TABLE 150

SECNO.	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
29600.000	830.00	708.81	0.00	0.00	.81	330.63	0.00
29600.000	830.00	708.81	0.00	0.00	.81	330.63	0.00
29600.000	830.00	708.81	0.00	0.00	.81	330.63	0.00
29600.000	830.00	708.81	0.00	0.00	.81	330.63	0.00
29800.000	830.00	708.97	0.00	.16	0.00	306.67	200.00
29800.000	830.00	708.97	0.00	.16	0.00	306.67	200.00
29800.000	830.00	708.97	0.00	.16	0.00	306.67	200.00
29800.000	830.00	708.97	0.00	.16	0.00	306.67	200.00
30040.000	830.00	709.22	0.00	.25	0.00	289.92	240.00
30040.000	830.00	709.22	0.00	.25	0.00	289.92	240.00
30040.000	830.00	709.22	0.00	.25	0.00	289.92	240.00
30040.000	830.00	709.22	0.00	.25	0.00	289.92	240.00
10.000	610.00	709.26	0.00	.04	0.00	292.90	10.00
10.000	1000.00	709.21	0.00	.00	0.00	290.22	10.00
10.000	1200.00	709.19	0.00	.02	0.00	288.32	10.00
10.000	1600.00	709.13	-.06	.08	0.00	284.33	10.00
20.000	610.00	709.27	0.00	.01	0.00	293.51	10.00
20.000	1000.00	709.23	0.00	.02	0.00	290.77	10.00
20.000	1200.00	709.22	0.00	.03	0.00	289.59	10.00
20.000	1600.00	709.19	-.03	.06	0.00	288.40	10.00
30.000	610.00	709.27	0.00	.01	0.00	293.75	10.00
30.000	1000.00	709.25	0.00	.02	0.00	292.16	10.00
30.000	1200.00	709.25	0.00	.03	0.00	291.91	10.00
30.000	1600.00	709.25	-.00	.05	0.00	291.55	10.00
40.000	610.00	709.28	0.00	.01	0.00	294.18	10.00
40.000	1000.00	709.27	0.00	.02	0.00	293.42	10.00
40.000	1200.00	709.27	0.00	.03	0.00	293.82	10.00
40.000	1600.00	709.30	.02	.05	0.00	295.10	10.00
640.000	610.00	709.73	0.00	.45	0.00	200.88	600.00
640.000	1000.00	710.28	0.00	1.01	0.00	217.11	600.00
640.000	1200.00	710.58	0.00	1.30	0.00	225.00	600.00
640.000	1600.00	711.16	.58	1.86	0.00	240.11	600.00
1200.000	580.00	710.38	0.00	.65	0.00	155.48	560.00
1200.000	950.00	711.22	0.00	.93	0.00	189.71	560.00
1200.000	1100.00	711.56	0.00	.99	0.00	204.03	560.00
1200.000	1500.00	712.25	.69	1.09	0.00	231.92	560.00
* 2000.000	550.00	716.47	0.00	6.09	0.00	59.58	800.00
* 2000.000	840.00	717.17	0.00	5.95	0.00	78.57	800.00
* 2000.000	1010.00	717.48	0.00	5.92	0.00	86.99	800.00
* 2000.000	1300.00	717.94	.46	5.69	0.00	99.28	800.00
2600.000	550.00	725.97	0.00	10.50	0.00	150.35	600.00
2600.000	840.00	727.54	0.00	10.37	0.00	186.46	600.00
2600.000	1010.00	727.82	0.00	10.34	0.00	204.53	600.00
2600.000	1300.00	728.22	.40	10.29	0.00	224.27	600.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
3000.000	550.00	729.58	0.00	2.61	0.00	189.17	400.00
3000.000	840.00	730.22	0.00	2.68	0.00	223.91	400.00
3000.000	1010.00	730.51	0.00	2.69	0.00	234.75	400.00
3000.000	1300.00	730.93	.42	2.71	0.00	250.53	400.00
* 3290.000	480.00	735.76	0.00	6.19	0.00	72.06	290.00
* 3290.000	790.00	736.29	0.00	6.07	0.00	81.75	290.00
* 3290.000	950.00	736.51	0.00	6.00	0.00	85.78	290.00
* 3290.000	1200.00	736.80	.29	5.87	0.00	91.15	290.00
* 3380.000	480.00	735.63	0.00	.14	0.00	6.00	90.00
* 3380.000	790.00	737.90	0.00	1.61	0.00	6.00	90.00
* 3380.000	950.00	738.97	0.00	2.46	0.00	6.00	90.00
* 3380.000	1200.00	740.14	1.17	3.34	0.00	151.40	90.00
3422.000	480.00	737.11	0.00	1.48	0.00	6.00	42.00
3422.000	790.00	739.47	0.00	1.56	0.00	6.00	42.00
3422.000	950.00	743.56	0.00	4.58	0.00	185.58	42.00
3422.000	1200.00	744.29	.73	4.15	0.00	192.89	42.00
3450.000	480.00	739.36	0.00	2.25	0.00	138.14	28.00
3450.000	790.00	743.13	0.00	3.66	0.00	181.18	28.00
3450.000	950.00	743.60	0.00	.04	0.00	185.99	28.00
3450.000	1200.00	744.34	.74	.05	0.00	193.38	28.00
3550.000	480.00	739.39	0.00	.04	0.00	374.95	100.00
3550.000	790.00	743.14	0.00	.01	0.00	452.35	100.00
3550.000	950.00	743.61	0.00	.02	0.00	456.09	100.00
3550.000	1200.00	744.36	.74	.02	0.00	461.96	100.00
4000.000	480.00	739.50	0.00	.11	0.00	284.46	450.00
4000.000	790.00	743.16	0.00	.02	0.00	422.87	450.00
4000.000	950.00	743.63	0.00	.02	0.00	436.46	450.00
4000.000	1200.00	744.38	.74	.02	0.00	442.36	450.00
4500.000	480.00	741.23	0.00	1.73	0.00	274.57	500.00
4500.000	790.00	743.26	0.00	.10	0.00	350.90	500.00
4500.000	950.00	743.73	0.00	.10	0.00	368.88	500.00
4500.000	1200.00	744.47	.74	.09	0.00	396.82	500.00
* 5020.000	340.00	745.33	0.00	4.09	0.00	227.42	520.00
* 5020.000	530.00	745.56	0.00	2.30	0.00	239.71	520.00
* 5020.000	630.00	745.64	0.00	1.91	0.00	243.95	520.00
* 5020.000	760.00	745.79	.15	1.32	0.00	251.83	520.00
5250.000	340.00	746.47	0.00	1.15	0.00	202.03	230.00
5250.000	530.00	746.94	0.00	1.38	0.00	221.53	230.00
5250.000	630.00	747.15	0.00	1.51	0.00	230.30	230.00
5250.000	760.00	747.36	.21	1.57	0.00	239.20	230.00
* 5300.000	340.00	746.61	0.00	.14	0.00	8.00	50.00
* 5300.000	530.00	747.93	0.00	.99	0.00	8.00	50.00
* 5300.000	630.00	748.56	0.00	1.41	0.00	6.00	50.00
* 5300.000	760.00	749.33	.78	1.97	0.00	8.00	50.00

SECNO	Q	CHSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
* 5500.000	340.00	747.91	0.00	1.30	0.00	8.00	200.00
* 5500.000	530.00	749.24	0.00	1.31	0.00	8.00	200.00
* 5500.000	630.00	749.87	0.00	1.32	0.00	8.00	200.00
5500.000	760.00	753.90	4.03	4.57	0.00	8.00	200.00
5510.000	340.00	750.23	0.00	2.31	0.00	304.90	10.00
5510.000	530.00	752.33	0.00	3.10	0.00	378.07	10.00
5510.000	630.00	753.34	0.00	3.47	0.00	405.17	10.00
5510.000	760.00	755.65	2.31	1.75	0.00	467.45	10.00
5520.000	340.00	750.23	0.00	.00	0.00	305.36	10.00
5520.000	530.00	752.33	0.00	.00	0.00	377.94	10.00
5520.000	630.00	753.34	0.00	.00	0.00	405.06	10.00
5520.000	760.00	755.65	2.31	.00	0.00	467.65	10.00
5530.000	340.00	750.23	0.00	.00	0.00	304.98	10.00
5530.000	530.00	752.34	0.00	.00	0.00	377.95	10.00
5530.000	630.00	753.34	0.00	.00	0.00	405.07	10.00
5530.000	760.00	755.65	2.31	.00	0.00	467.40	10.00

SUMMARY OF ERRORS

CAUTION SECNO= 2000.000 PROFILE= 1 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 2000.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 2000.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO= 2000.000 PROFILE= 2 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 2000.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 2000.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO= 2000.000 PROFILE= 3 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 2000.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 2000.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO= 2000.000 PROFILE= 4 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 2000.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 2000.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 3290.000 PROFILE= 1 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 3290.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 3290.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO= 3290.000 PROFILE= 2 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 3290.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 3290.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO= 3290.000 PROFILE= 3 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 3290.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 3290.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO= 3290.000 PROFILE= 4 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 3290.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 3290.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 3380.000 PROFILE= 1 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 3380.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 3380.000 PROFILE= 2 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 3380.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 3380.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO= 3380.000 PROFILE= 3 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 3380.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 3380.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO= 3380.000 PROFILE= 4 CRITICAL DEPTH ASSUMED

CAUTION	SECNO= 3380.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 3380.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 5020.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 5020.000	PROFILE= 1	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 5020.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 5020.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 5020.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 5020.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 5020.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 5020.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 5020.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 5020.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 5020.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 5300.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 5300.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 5300.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 5300.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 5300.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 5300.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 5300.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 5300.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 5300.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 5300.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 5300.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 5300.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 5500.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 5500.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 5500.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 5500.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 5500.000	PROFILE= 2	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 5500.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 5500.000	PROFILE= 3	MINIMUM SPECIFIC ENERGY



FLOOD INSURANCE ZONE DATA FOR TRIB A LITTLE TROUBLESOM

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10'	2'	0.2'
29600.000	0.	0.0	0.0	0.0
29800.000	200.	0.0	0.0	0.0
30040.000	440.	0.0	0.0	0.0
10.000	450.	.1	.0	.1
20.000	460.	.0	.0	.0
30.000	470.	.0	.0	.0
40.000	480.	.0	.0	.0
640.000	1080.	-.8	-.3	.6
1200.000	1640.	-1.2	-.3	.7
2000.000	2440.	-1.0	-.3	.5
2600.000	3040.	-.9	-.3	.4
3000.000	3440.	-.9	-.3	.4
3290.000	3730.	-.7	-.2	.3
3380.000	3820.	-3.3	-1.1	1.2
3422.000	3862.	-6.4	-4.1	.7
3450.000	3890.	-4.2	-.5	.7
3550.000	3990.	-4.2	-.5	.7
4000.000	4440.	-4.1	-.5	.7
4200.000	4940.	-2.5	-.5	.7
5020.000	5460.	-.3	-.1	.2
5250.000	5690.	-.7	-.2	.2
5300.000	5740.	-1.9	-.6	.8
5500.000	5940.	-2.0	-.6	4.0
5510.000	5950.	-3.1	-1.0	2.3
5520.000	5960.	-3.1	-1.0	2.3
5530.000	5970.	-3.1	-1.0	2.3
WEIGHTED AVG FOR REACH		-1.5	-.3	.5

FHF FOR THE REACH = .015 WITH 35.7% OF THE REACH WITHIN .5 FEET ZONE FOR THE REACH = A 3

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA			WTD. AVG.	FHF	PERCENT WITHIN
		10'	1'	DIFF.			
1	0.	708.8	708.8	0.0	0.0	SEC, 29600.000	100.
2	200.	708.9	708.9	0.0	0.0	SEC, 29800.000	100.
3	300.	709.0	709.0	0.0	0.0	SEC, 30040.000	100.
4	400.	709.1	709.1	0.0	0.0	SEC, 10.000	100.
	440.					SEC, 20.000	

	470.				SEC.	30,000	
5	480.	709.3	709.3	0	0	005	100.
6	600.	709.3	709.4	.1	0	005	100.
7	700.	709.4	709.6	.2	0	005	100.
8	800.	709.5	709.9	.4	1	005	100.
9	900.	709.6	710.1	.5	1	005	100.
10	1000.	709.6	710.3	.7	2	005	100.
	1080.						
11	1100.	709.7	711.5	.8	2	005	91.
12	1200.	709.8	711.7	.9	3	005	92.
13	1300.	709.9	711.9	.9	3	005	85.
14	1400.	710.0	711.1	1.0	4	005	86.
15	1500.	710.2	711.2	1.1	4	005	80.
16	1600.	710.3	711.4	1.1	5	005	81.
	1640.						
17	1700.	710.6	711.3	1.2	5	005	53.
18	1800.	711.2	712.4	1.2	6	005	50.
19	1900.	712.0	713.1	1.1	6	005	53.
20	2000.	712.7	713.9	1.1	6	005	45.
21	2100.	713.5	714.6	1.1	6	005	57.
22	2200.	714.3	715.3	1.1	7	005	64.
23	2300.	715.0	716.1	1.1	7	005	74.
24	2400.	715.8	716.8	1.0	7	005	75.
	2440.						
25	2500.	716.8	717.9	1.0	7	005	76.
26	2600.	718.4	719.4	1.0	7	005	77.
27	2700.	720.1	721.1	1.0	7	005	78.
28	2800.	721.9	722.8	.9	7	005	79.
29	2900.	723.6	724.5	.9	7	005	79.
30	3000.	725.4	726.3	.9	7	005	77.
	3040.						
31	3100.	726.8	727.7	.9	7	005	77.
32	3200.	727.7	728.6	.9	8	010	78.
33	3300.	728.3	729.2	.9	8	010	79.
34	3400.	729.0	729.9	.9	8	010	79.
	3440.						
35	3500.	730.1	731.0	.9	8	010	80.
36	3600.	731.9	732.8	.9	8	010	81.
37	3700.	734.1	734.9	.8	8	010	81.
	3730.						
38	3800.	735.4	737.2	1.8	8	010	79.
	3820.						
	3862.						
	3890.						
39	3900.	739.4	743.6	4.2	9	010	74.
	3990.						
40	4000.	739.4	743.6	4.2	1.0	010	73.
41	4100.	739.4	743.6	4.2	1.0	010	68.
42	4200.	739.4	743.6	4.2	1.1	010	67.
43	4300.	739.5	743.6	4.2	1.2	010	63.
44	4400.	739.5	743.6	4.1	1.3	015	61.
	4440.						
45	4500.	739.6	743.6	4.0	1.3	015	58.
46	4600.	739.9	743.7	3.8	1.4	015	52.
47	4700.	740.2	743.7	3.4	1.4	015	36.
48	4800.	740.6	743.7	3.1	1.5	015	31.
49	4900.	740.9	743.7	2.8	1.5	015	29.
	4940.						
50	5000.	741.4	743.8	2.4	1.5	015	26.
51	5100.	742.1	744.1	2.0	1.5	015	24.
52	5200.	742.9	744.5	1.6	1.5	015	23.
53	5300.	743.7	744.9	1.2	1.5	015	28.
54	5400.	744.5	745.2	.8	1.5	015	28.
	5460.						
55	5500.	745.2	745.7	.5	1.5	015	29.

56	5600	745.8	746.2	-0.5	-1.5	015	30
	5690					SEC, 5250.000	
57	5700	746.3	747.0	-0.7	-1.4	015	32
	5740					SEC, 5300.000	
58	5800	746.8	748.2	-1.4	-1.4	015	33
59	5900	747.3	749.3	-2.0	-1.5	015	32
	5940					SEC, 5500.000	
	5950					SEC, 5510.000	
	5960					SEC, 5520.000	
	5970					SEC, 5530.000	

THIS REACH CAN BE SUBDIVIDED BY INC NO, TO MEET FIA REQUIREMENTS  
 INPUT 20N WHERE N IS THE NUMBER OF REACHES AND THEN INPUT THE END  
 OF EACH REACH BY INC NO, FOR EXAMPLE 202 37 59  
 A NEGATIVE INC NO, WILL SUPPRESS INTERMEDIATE INC OUTPUT.