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

C
 T1 YUM BRANCH PRT1 CABARRUS CO.
 T2 FIS CABARRUS CO. JOB NO. 207022
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INC	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FR
	-1.	4.	0.	0.	0.0	0.0	0.0	0.	492,810	0.0
J2	MPROF	IPLOT	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	0.0	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	38.000	39.000	40.000	41.000	43.000	42.000	1.000	2.000	26.000	53.000
	54.000	25.000	50.000	0.0	200.000	0.0	0.0	0.0	0.0	0.0
JC	0.000	0.000	0.000	0.100	0.300	0.0	0.0	0.0	0.0	0.0
JT	5.000	500.000	940.000	1160.000	1690.000	1160.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	0.0	8.100	8.100	1100.000	1160.000
X1	325.000	13.000	1132.000	1150.000	325.000	325.000	325.000	325.000	0.0	0.0
GP	501.700	1000.000	495.700	1050.000	493.500	1033.000	489.700	1091.000	438.300	1100.000
GR	437.100	1132.000	486.000	1134.000	485.900	1142.000	485.900	1149.000	438.000	1150.000
GR	495.300	1172.000	496.500	1200.000	496.900	1220.000	496.400	1225.000	493.300	1250.000
GR	493.300	1264.000	496.600	1300.000	501.700	1328.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-13.400	-15.400	0.0	0.0	0.0
X1	2078.000	20.000	1509.000	1535.000	1753.000	1753.000	1753.000	0.0	-0.800	0.0
GP	505.100	1000.000	503.200	1011.000	500.200	1050.000	500.400	1067.000	500.400	1100.000

GR	301.700	1000.000	495.700	1050.000	493.500	1083.000	489.700	1091.000	488.300	1100.000
GR	497.100	1132.000	486.000	1134.000	485.900	1142.000	485.900	1149.000	488.000	1150.000
GR	495.300	1172.000	495.500	1200.000	496.900	1220.000	496.400	1225.000	493.300	1250.000
GR	493.300	1264.000	496.600	1300.000	501.700	1320.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-13.400	-15.400	0.0	0.0	0.0

X1	2078.000	26.000	1509.000	1535.000	1753.000	1753.000	1753.000	0.0	-0.000	0.0
GR	505.100	1000.000	503.200	1011.000	500.200	1050.000	500.400	1067.000	500.400	1100.000
GR	500.100	1110.000	498.000	1127.000	495.300	1137.000	495.500	1150.000	494.200	1200.000
GR	490.200	1228.000	494.100	1250.000	497.200	1282.000	497.700	1300.000	499.900	1344.000
GR	496.500	1400.000	495.300	1450.000	494.900	1500.000	494.700	1509.000	490.600	1517.000
GR	489.900	1521.000	490.300	1524.000	495.900	1535.000	495.300	1550.000	496.800	1600.000
GR	499.900	1650.000	503.700	1700.000	505.100	1714.000	0.0	0.0	0.0	0.0

X1	2102.000	0.0	0.0	0.0	23.500	23.500	23.500	0.0	0.100	0.0
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X1	2125.000	22.000	1143.000	1149.000	23.500	23.500	23.500	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	495.400	495.400	0.0
GR	500.200	1000.000	495.900	1025.000	495.300	1050.000	494.700	1075.000	494.500	1100.000
GR	494.300	1125.000	494.100	1134.000	492.400	1142.900	492.300	1143.000	490.200	1143.900
GR	489.300	1165.000	490.200	1148.100	492.300	1149.000	492.400	1149.100	492.600	1150.000
GR	495.300	1160.000	494.700	1175.000	495.500	1200.000	496.200	1225.000	497.800	1250.000
GR	499.300	1275.000	504.600	1300.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	4.700	0.0	28.300	0.0	490.200	489.300

TC 200

ELRD 500.5 ELLC 469.2

X1	2178.000	22.000	1143.000	1149.000	53.000	53.000	53.000	0.0	-0.020	0.0
X2	0.0	0.0	1.000	496.200	500.200	0.0	0.0	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	500.200	500.200	0.0
BT	14.000	1000.000	500.200	0.0	1050.000	500.200	0.0	1100.000	500.300	0.0
BT	1142.900	500.500	0.0	1143.000	500.500	493.200	1143.900	500.500	495.300	1146.000
BT	500.500	496.200	1148.100	500.500	495.300	1149.000	500.500	493.200	1149.100	500.500
BT	0.0	1150.000	500.500	0.0	1200.000	501.100	0.0	1250.000	502.400	0.0
BT	1300.000	504.600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	500.200	1000.000	496.000	1025.000	496.200	1050.000	495.600	1075.000	495.400	1100.000
GR	495.200	1125.000	495.000	1134.000	493.200	1142.900	493.200	1143.000	491.100	1143.900
GR	490.200	1146.000	491.100	1148.100	493.200	1149.000	493.200	1149.100	493.500	1150.000
GR	496.200	1160.000	495.600	1175.000	496.400	1200.000	497.100	1225.000	498.700	1250.000
GR	500.200	1275.000	504.600	1300.000	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	8.100	8.100	1460.000	1560.000	0.0

X1	2202.000	28.000	1509.000	1535.000	24.000	24.000	24.000	0.0	0.160	0.0
GR	505.100	1000.000	503.200	1011.000	500.200	1050.000	500.400	1067.000	500.400	1100.000
GR	500.100	1110.000	498.000	1127.000	495.300	1137.000	495.500	1150.000	494.200	1200.000
GR	490.200	1228.000	494.100	1250.000	497.200	1282.000	497.700	1300.000	499.900	1344.000
GR	496.500	1400.000	495.300	1450.000	494.900	1500.000	494.700	1509.000	490.600	1517.000
GR	489.900	1521.000	490.300	1524.000	495.900	1535.000	495.300	1550.000	496.800	1600.000
GR	499.900	1650.000	503.700	1700.000	505.100	1714.000	0.0	0.0	0.0	0.0

SUMMARY PRINTOUT

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	WSEL	CRWS	VCH	SSTA	ENDST	AREA	UIFWS
X 325.000	325.00	0.0	0.0	1160.00	485.90	492.81	0.0	5.63	1084.45	1164.50	364.49	0.0
X 325.000	325.00	0.0	0.0	1160.00	485.90	493.81	0.0	5.25	1100.00	1160.00	376.66	1.00
325.000	325.00	0.0	0.0	0.00	485.90	493.81	0.0	0.00	1100.00	1160.00	376.66	0.0
X 2078.000	1753.00	0.0	0.0	1160.00	489.10	496.03	0.0	3.72	1132.62	1600.52	723.27	0.0
X 2078.000	1753.00	0.0	0.0	1160.00	489.10	496.91	0.0	5.08	1257.50	1551.74	486.20	0.88
2078.000	1753.00	0.0	0.0	0.00	489.10	493.81	0.0	0.00	1509.18	1532.47	64.91	-3.10
2102.000	23.50	0.0	0.0	1160.00	489.20	496.06	0.0	3.81	1132.79	1599.09	702.49	0.0
2102.000	23.50	0.0	0.0	1160.00	489.20	496.95	0.0	5.22	1257.74	1551.29	469.75	0.89
2102.000	23.50	0.0	0.0	0.00	489.20	493.81	0.0	0.00	1509.37	1532.27	62.60	-3.14
* 2125.000	23.50	0.0	0.0	1160.00	489.30	496.39	496.39	10.47	1022.18	1227.90	329.11	0.0
* 2125.000	23.50	0.0	0.0	1160.00	489.30	497.17	497.17	13.65	1117.42	1163.92	170.14	0.79
2125.000	23.50	0.0	0.0	0.00	489.30	493.81	0.0	0.00	1143.00	1149.00	21.66	-3.36
2178.000	53.00	500.20	496.20	1160.00	490.18	501.67	0.0	1.98	1000.00	1283.53	1449.71	0.0
2178.000	53.00	999999.00	0.0	1160.00	490.18	502.46	0.0	2.32	1058.13	1218.51	1131.14	0.79
2178.000	53.00	999999.00	0.0	0.00	490.18	499.10	0.0	0.00	1143.00	1149.00	48.12	-3.36
2202.000	24.00	0.0	0.0	1160.00	490.06	501.69	0.0	0.97	1032.75	1671.41	3056.36	0.0
2202.000	24.00	0.0	0.0	1160.00	490.06	502.44	0.0	2.64	1460.00	1560.00	786.94	0.75
2202.000	24.00	0.0	0.0	0.00	490.06	499.10	0.0	0.00	1460.00	1560.00	453.23	-3.34
X 2225.000	23.50	0.0	0.0	1160.00	489.90	501.69	0.0	0.94	1030.63	1673.56	3161.02	0.0
X 2225.000	23.50	0.0	0.0	1160.00	489.90	502.44	0.0	2.59	1460.00	1560.00	803.55	0.76
2225.000	23.50	0.0	0.0	0.00	489.90	499.10	0.0	0.00	1460.00	1560.00	469.25	-3.35

SUMMARY OF ERRORS

CAUTION SECNO= 2125.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 2125.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 2125.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 2125.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 2125.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 2125.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

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

10 YEAR FLOOD WATER SURF

SUMMARY PRINTOUT

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRIMS	VCH	SSTA	ENDST	AREA	DIFWSP
325.000	325.00	0.0	0.0	500.00	485.90	490.54	0.0	4.26	1089.24	1157.64	195.69	0.0
* 325.000	325.00	0.0	0.0	940.00	485.90	492.15	0.0	5.24	1085.84	1162.51	312.92	1.62
* 325.000	325.00	0.0	0.0	1160.00	485.90	492.81	0.0	5.63	1084.46	1164.49	364.38	0.66
* 325.000	325.00	0.0	0.0	1690.00	485.90	494.18	0.0	6.35	1072.79	1273.61	501.74	1.37
2078.000	1753.00	0.0	0.0	500.00	489.10	494.27	0.0	3.48	1166.11	1533.39	245.86	0.0
* 2078.000	1753.00	0.0	0.0	940.00	489.10	495.54	0.0	3.70	1134.02	1584.81	559.39	1.27
* 2078.000	1753.00	0.0	0.0	1160.00	489.10	496.03	0.0	3.72	1132.62	1600.52	723.26	0.49
* 2078.000	1753.00	0.0	0.0	1690.00	489.10	497.05	0.0	3.69	1129.70	1617.01	1112.03	1.02
2102.000	23.50	0.0	0.0	500.00	489.20	494.32	0.0	3.57	1168.41	1533.27	237.18	0.0
* 2102.000	23.50	0.0	0.0	940.00	489.20	495.58	0.0	3.80	1134.18	1582.84	540.79	1.26
* 2102.000	23.50	0.0	0.0	1160.00	489.20	496.06	0.0	3.81	1132.79	1599.10	702.57	0.48
* 2102.000	23.50	0.0	0.0	1690.00	489.20	497.07	0.0	3.79	1129.92	1615.80	1081.12	1.01
* 2125.000	23.50	0.0	0.0	500.00	489.30	495.54	495.54	8.14	1039.93	1201.47	169.83	0.0
* 2125.000	23.50	0.0	0.0	940.00	489.30	496.11	496.11	10.20	1023.80	1221.63	272.54	0.56
* 2125.000	23.50	0.0	0.0	1160.00	489.30	496.39	496.39	10.47	1022.18	1227.90	329.11	0.28
* 2125.000	23.50	0.0	0.0	1690.00	489.30	496.78	496.78	12.03	1019.87	1234.10	412.47	0.40
2178.000	53.00	500.20	496.20	500.00	490.18	500.64	0.0	1.11	1000.00	1277.64	1158.61	0.0
* 2178.000	53.00	500.20	496.20	940.00	490.18	501.41	0.0	1.71	1000.00	1282.00	1373.32	0.77
* 2178.000	53.00	500.20	496.20	1160.00	490.18	501.67	0.0	1.98	1000.00	1283.53	1449.71	0.27
* 2178.000	53.00	500.20	496.20	1690.00	490.18	502.19	0.0	2.59	1000.00	1286.42	1594.80	0.52
2202.000	24.00	0.0	0.0	500.00	490.06	500.64	0.0	0.53	1046.32	1657.68	2404.19	0.0
* 2202.000	24.00	0.0	0.0	940.00	490.06	501.42	0.0	0.83	1036.28	1667.84	2884.10	0.77
* 2202.000	24.00	0.0	0.0	1160.00	490.06	501.69	0.0	0.97	1032.75	1671.41	3056.36	0.27
* 2202.000	24.00	0.0	0.0	1690.00	490.06	502.21	0.0	1.28	1025.92	1678.32	3395.52	0.53
2225.000	23.50	0.0	0.0	500.00	489.90	500.64	0.0	0.51	1044.22	1659.80	2503.04	0.0
* 2225.000	23.50	0.0	0.0	940.00	489.90	501.42	0.0	0.81	1034.17	1669.97	2986.82	0.77
* 2225.000	23.50	0.0	0.0	1160.00	489.90	501.69	0.0	0.94	1030.63	1673.56	3161.02	0.27
* 2225.000	23.50	0.0	0.0	1690.00	489.90	502.21	0.0	1.24	1023.77	1680.49	3503.55	0.53