





X1	820.800	0.0	0.0	0.0	40.000	40.000	40.000	0.0	0.100	0.0
X1	82120.000	22.000	725.000	815.000	40.000	40.000	40.000	0.0	0.0	0.0
GR	749.400	0.0	749.100	10.000	740.400	40.000	740.100	65.000	741.000	145.000
GR	738.800	265.000	738.900	265.000	735.800	410.000	737.500	455.000	734.900	665.000
GP	735.100	755.000	730.500	795.000	726.000	798.000	727.500	808.000	730.200	809.000
GR	733.600	815.000	734.300	925.000	734.000	1060.000	736.700	1065.000	738.000	1085.000
GR	740.600	1150.000	747.000	1215.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	824.600	0.0	0.0	0.0	740.000	740.000	740.000	0.0	2.400	0.0
X1	836.050	0.0	0.0	0.0	745.000	745.000	745.000	0.0	2.400	0.0
NC	0.0	0.0	0.0	0.100	0.300	0.0	0.0	0.0	0.0	0.0
BT	5.000	1700.000	2600.000	3500.000	5200.000	3500.000	0.0	0.0	0.0	0.0

X1	84350.000	14.000	722.000	740.000	745.000	745.000	745.000	0.0	0.0	0.0
GR	750.000	0.0	748.100	52.000	744.300	295.000	743.000	299.000	743.000	335.000
GR	739.500	525.000	740.000	710.000	739.800	722.000	735.500	725.000	734.600	730.000
GR	735.400	735.000	740.000	740.000	740.000	948.000	752.200	983.000	0.0	0.0
NC	0.000	0.000	0.000	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	84988.000	0.0	0.0	0.0	638.000	638.000	638.000	0.0	1.800	0.0
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X1	85624.000	0.0	0.0	0.0	636.000	636.000	636.000	0.0	1.800	0.0
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X1	86250.000	15.000	339.000	358.000	636.000	636.000	636.000	0.0	0.0	0.0
GR	755.700	0.0	755.700	100.000	750.300	200.000	744.200	320.000	743.000	339.000
GR	740.000	340.000	740.000	348.000	740.300	353.000	743.500	358.000	743.500	550.000
GR	743.900	570.000	745.000	640.000	747.400	665.000	752.800	710.000	755.700	730.000
NC	0.000	0.000	0.000	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	87470.000	17.000	582.000	623.000	1210.000	1210.000	1210.000	0.0	0.0	0.0
GR	759.500	0.0	754.000	150.000	749.300	270.000	748.000	368.000	745.000	520.000
GR	746.200	545.000	746.200	582.000	744.300	592.000	740.600	597.000	740.300	605.000
GR	741.000	612.000	744.900	620.000	746.200	623.000	747.700	740.000	748.900	823.000
GR	757.600	953.000	762.000	1010.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.0	0.0	0.0	0.600	0.800	0.0	0.0	0.0	0.0	0.0

X1	87550.000	0.0	0.0	0.0	80.000	80.000	80.000	0.0	-0.700	0.0
SB	0.0	1.500	2.500	0.0	50.000	0.0	410.000	1.080	741.000	741.000

87570 POND GLOVER ROAD      MXLCEL    749.0      RDELV    750.9

X1	87590.000	19.000	582.000	623.000	40.000	40.000	40.000	0.0	-0.700	0.0
X2	0.0	0.0	1.000	749.000	751.000	0.0	0.0	0.0	0.0	0.0
BT	6.000	0.0	755.700	0.0	15.000	755.200	0.0	582.000	750.900	749.000
BT	623.000	750.900	749.000	795.000	751.900	0.0	1010.000	761.300	0.0	0.0
GR	759.500	0.0	754.000	15.000	754.000	150.000	749.300	270.000	750.000	368.000
GP	745.000	520.000	746.200	545.000	746.200	582.000	744.300	592.000	740.600	597.000
GR	740.300	605.000	740.000	612.000	744.900	620.000	746.200	623.000	747.700	740.000
GR	748.500	795.000	748.900	823.000	757.600	953.000	762.000	1010.000	0.0	0.0
NC	0.000	0.000	0.000	0.100	0.300	0.0	0.0	0.0	0.0	0.0
BT	5.000	1420.000	2000.000	2950.000	4200.000	2950.000	0.0	0.0	0.0	0.0

X1	876.300	0.0	0.0	0.0	40.000	40.000	40.000	0.0	0.500	0.0
X1	87670.000	14.000	425.000	445.000	40.000	40.000	40.000	0.0	0.0	0.0
GR	769.900	0.0	754.700	100.000	750.000	180.000	746.700	295.000	747.200	425.000
GR	740.000	430.000	740.300	435.000	740.600	442.000	745.500	445.000	746.200	532.000
GR	747.000	560.000	747.200	598.000	751.500	765.000	756.800	825.000	760.900	905.000
NC	0.085	0.085	0.065	0.100	0.300	0.0	0.0	0.0	0.0	0.0
DT	5.000	1250.000	2100.000	2600.000	3500.000	2600.000	0.0	0.0	0.0	0.0

X1	88800.000	17.000	270.000	298.000	1130.000	1130.000	1130.000	0.0	0.0	0.0
GR	760.300	0.0	756.100	40.000	748.600	155.000	748.400	220.000	747.500	270.000
GR	742.200	275.000	741.900	280.000	741.800	285.000	746.800	290.000	748.500	298.000
GR	748.100	330.000	748.300	555.000	750.200	665.000	750.000	735.000	758.500	815.000
GR	761.100	885.000	768.000	890.000	0.0	0.0	0.0	0.0	0.0	0.0
DT	5.000	660.000	1010.000	1250.000	1800.000	1250.000	0.0	0.0	0.0	0.0

X1	90105.000	15.000	1042.000	1470.000	1305.000	1395.000	1305.000	0.0	-2.500	0.0
GR	768.300	1000.000	763.700	1100.000	756.800	1200.000	757.800	1300.000	755.000	1400.000
GR	755.400	1442.000	751.300	1451.000	750.500	1456.000	750.100	1461.000	755.800	1470.000
GR	756.000	1500.000	756.400	1600.000	758.100	1700.000	762.600	1800.000	764.700	1830.000

X1	90155.000	19.000	1000.300	1413.800	50.000	50.000	50.000	0.0	0.0	0.0
GR	767.200	1000.000	762.000	1051.000	757.500	1151.000	756.500	1251.000	753.700	1351.000
GR	754.100	1393.000	751.400	1400.300	750.000	1401.000	749.400	1404.000	749.200	1407.000
GR	749.400	1410.000	750.000	1413.000	751.400	1413.800	754.500	1421.000	754.700	1451.000
GR	755.100	1551.000	756.800	1651.000	761.300	1751.000	763.700	1800.000	0.0	0.0
SB	0.900	1.500	2.500	0.0	13.500	0.010	88.000	0.0	0.0	0.0

90140 RPNn NCSP 1002 MXLCEL 757.2 ROELV 759.2

X1	90207.000	0.0	0.0	0.0	52.000	52.000	52.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	757.200	0.0	0.0	0.0	0.0	0.0	0.0
BT	15.000	1000.000	767.200	0.0	1100.000	762.500	0.0	1200.000	759.600	0.0
BT	1300.000	758.300	0.0	1400.300	759.200	751.400	1401.000	759.200	753.500	1404.000
BT	759.200	756.400	1407.000	759.200	757.200	1410.000	759.200	756.400	1413.000	759.200
BT	753.500	1413.800	759.200	751.400	1500.000	758.500	0.0	1600.000	759.000	0.0
BT	1700.000	760.600	0.0	1800.000	763.700	0.0	0.0	0.0	0.0	0.0

X1	90257.000	15.000	1042.000	1470.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	768.300	1000.000	763.700	1100.000	758.800	1200.000	757.800	1300.000	755.000	1400.000
GR	755.400	1442.000	751.300	1451.000	750.500	1456.000	750.100	1461.000	755.800	1470.000
GR	756.000	1500.000	756.400	1600.000	758.100	1700.000	762.600	1800.000	764.700	1830.000
DT	5.000	350.000	530.000	655.000	920.000	655.000	0.0	0.0	0.0	0.0

X1	93500.000	12.000	1400.000	1413.000	3243.000	3243.000	3243.000	0.0	0.0	0.0
GR	778.900	1000.000	774.300	1100.000	772.800	1200.000	771.400	1300.000	772.200	1400.000
GR	767.800	1403.000	767.700	1408.000	767.800	1412.000	770.600	1413.000	774.300	1469.000
GR	781.100	1500.000	787.300	1530.000	0.0	0.0	0.0	0.0	0.0	0.0
DT	5.000	300.000	430.000	580.000	760.000	530.000	0.0	0.0	0.0	0.0

X1	95000.000	11.000	1169.000	1200.000	2500.000	2500.000	2500.000	0.0	0.0	0.0
GR	907.300	1000.000	793.700	1100.000	790.100	1138.000	789.400	1189.000	785.600	1190.000
GR	785.300	1194.000	785.700	1198.000	790.100	1200.000	793.100	1300.000	803.400	1400.000
GR	905.000	1406.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DT	5.000	90.000	150.000	180.000	245.000	180.000	0.0	0.0	0.0	0.0

X1	97975.000	13.000	1170.000	1174.000	1975.000	1975.000	1975.000	0.0	0.0	0.0
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 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977  
 ERROR CORR - 01  
 MODIFICATION - 50,51,52  
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T1 ROWAN COUNTY BASIN 6 STREAM 1 CRANE CREEK  
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES N-G JOB NO. 6918  
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	3.	0.	0.	0.0	0.0	0.0	0.	736.100	0.0
J2	HPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

\*PROF 2

CCHV= 0.100 CEHV= 0.300  
 \*SECNO 81920.000

SECNO	DEPTH	CWSEL	CRINS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	QLOB	QCH	OROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VPOB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
81920.00	8.60	736.10	0.0	736.10	736.46	0.36	0.0	0.0	734.10
3500.	817.	1653.	1031.	543.	246.	521.	0.	0.	734.00
0.0	1.50	6.71	1.98	0.085	0.050	0.085	0.0	727.50	363.02
0.004404	81920.	81920.	81920.	0	0	0	0.0	873.02	1236.04

CCHV= 0.600 CEHV= 0.800  
 \*SECNO 82000.000

82000.00	9.37	736.67	0.0	0.0	736.00	0.13	0.21	0.14	733.90
3500.	1136.	1231.	1084.	1059.	271.	712.	3.	2.	733.80
0.01	1.12	4.54	1.52	0.085	0.050	0.085	0.049	727.30	230.69
0.001772	80.	80.	80.	2	0	0	0.0	1009.40	1240.10

SPECIAL BRIDGE

SB	XK	XKOR	COFO	ROLEN	HUC	BWP	BAREA	SS	ELCHU	ELCHD
	0.0	1.50	2.50	0.0	20.00	0.0	330.00	0.76	727.70	728.30

\*SECNO 82040.000

6070. LOW FLOW BY NORMAL BRIDGE

EGPRS= 0.0 EELMC= 737.215 EELC= 737.900 PCWSE= 736.673 ELTRD= 738.700

3265 DIVIDED FLOW

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

T1 ROWAN COUNTY BASIN 6 STREAM 1 CRANE CREEK  
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES H-G JOB NO. 6918  
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	TCHECK	INO	MINV	IDIR	STRT	METRIC	HVINS	0	WSEL	F0
	-10.	4.	0.	0.	0.0	0.0	0.0	0.	736.700	0.0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

\*PROF 3

CCHV= 0.100 CEHV= 0.300

\*SECNO 81920.000

SECNO	DEPTH	CWSEL	CRTWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	GR08	ALOB	ACH	AR08	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
81920.00	9.20	736.70	0.0	736.70	736.94	0.24	0.0	0.0	734.10
4300.	1360.	1613.	1327.	932.	266.	668.	0.	0.	734.00
0.0	1.46	6.07	1.99	0.085	0.050	0.085	0.0	727.50	261.01
0.003266	81920.	81920.	81920.	0	0	0	0.0	978.16	1239.17

CCHV= 0.600 CEHV= 0.800

\*SECNO 82000.000

82000.00	9.78	737.08	0.0	0.0	737.20	0.12	0.19	0.07	733.90
4300.	1657.	1316.	1327.	1366.	284.	312.	4.	2.	733.90
0.01	1.21	4.63	1.63	0.085	0.050	0.085	0.049	727.30	163.34
0.001736	80.	80.	80.	2	0	0	0.0	1078.84	1242.19

SPECIAL BRIDGE

SB	YK	XGR	COFO	ROLEN	BWC	DUP	BAREA	SS	ELCHU	ELCHG
	0.0	1.50	2.50	0.0	20.00	0.0	330.00	0.76	727.70	728.30

\*SECNO 82040.000

6070, LOW FLOW BY NORMAL BRIDGE

EGPRS= 0.0 EGLBC= 737.626 ELLC= 737.900 PCWSE= 737.078 ELTRD= 738.700

3265 DIVIDED FLOW

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

T1 ROWAN COUNTY BASIN 6 STREAM 1 CRANE CREEK  
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-6 JOB NO. 6918  
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	9	WSEL	FO
	-10.	5.	0.	0.	0.0	0.0	0.0	0.	738.100	0.0
J2	MPROF	IPLUT	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

\*PROF 4

CCHV= 0.100 CEHV= 0.300  
 \*SECNO 81920.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	DLOSS	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
81920.00	10.60	738.10	0.0	738.10	738.24	0.14	0.0	0.0	734.10
6800.	3134.	1626.	2041.	2025.	310.	1019.	0.	0.	734.00
0.0	1.55	5.24	2.00	0.085	0.050	0.085	0.0	727.50	150.84
0.001973	81920.	81920.	81920.	0	0	0	0.0	1095.61	1246.46

CCHV= 0.600 CEHV= 0.800  
 \*SECNO 82000.000

82000.00	10.99	738.29	0.0	0.0	738.39	0.10	0.13	0.02	733.90
6800.	3319.	1471.	2011.	2345.	323.	1120.	7.	2.	733.80
0.01	1.42	4.55	1.00	0.085	0.050	0.085	0.049	727.30	146.34
0.001414	80.	80.	80.	2	0	0	0.0	1102.17	1248.51

SPECIAL BRIDGE

SE	XK	XKOB	COFN	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.0	1.50	2.50	0.0	20.00	0.0	330.00	0.76	727.70	728.30

\*SECNO 82040.000  
 PRESSURE AND WEIR FLOW

EGPDS	EGLIC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD
748.10	738.84	0.0	3193.	3643.	330.	283.	737.90	738.70



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 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977  
 ERROR CORR - G1  
 MODIFICATION - 50,51,52  
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*Plot only  
 please checked 1000 - 10  
 14-4  
 Crane Creek*

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

10 YEAR FLOOD WATER SURF

SUMMARY PRINTOUT

*X3 Cards removed*

SECHO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
81920.000	81920.00	0.0	0.0	2100.00	727.50	735.10	0.0	6.60	709.98	1200.34	698.29	0.0
81920.000	81920.00	0.0	0.0	3500.00	727.50	736.10	0.0	6.71	363.02	1236.04	1310.17	1.00
81920.000	81920.00	0.0	0.0	4300.00	727.50	736.70	0.0	6.07	261.01	1239.17	1865.62	0.60
81920.000	81920.00	0.0	0.0	6800.00	727.50	738.10	0.0	5.24	150.84	1246.46	3354.97	1.40
82000.000	80.00	0.0	0.0	2100.00	727.30	735.85	0.0	4.12	370.57	1235.81	1271.59	0.0
82000.000	80.00	0.0	0.0	3500.00	727.30	736.67	0.0	4.54	230.69	1240.10	2042.83	0.83
82000.000	80.00	0.0	0.0	4300.00	727.30	737.08	0.0	4.63	163.34	1242.19	2461.84	0.41
82000.000	80.00	0.0	0.0	6800.00	727.30	738.29	0.0	4.55	146.34	1248.51	3787.39	1.21
82040.000	40.00	738.70	737.90	2100.00	727.30	735.85	735.10	8.31	400.01	1063.79	489.42	0.0
82040.000	40.00	738.70	737.90	3500.00	727.30	736.57	736.28	11.58	370.83	1066.09	594.33	0.72
82040.000	40.00	738.70	737.90	4300.00	727.30	736.90	736.61	13.22	357.47	1071.19	642.39	0.33
82040.000	40.00	738.70	737.90	6800.00	727.30	741.09	0.0	2.89	36.91	1157.06	5299.19	4.19
820.800	40.00	0.0	0.0	2100.00	727.40	736.75	0.0	2.78	367.35	1067.42	1430.38	0.0
820.800	40.00	0.0	0.0	3500.00	727.40	738.18	0.0	2.60	309.98	1092.00	2460.97	1.43
820.800	40.00	0.0	0.0	4300.00	727.40	738.94	0.0	2.48	251.87	1111.01	3079.40	0.76
820.800	40.00	0.0	0.0	6800.00	727.40	741.12	0.0	2.21	37.15	1156.36	5222.65	2.18
82120.000	40.00	0.0	0.0	2100.00	727.50	736.81	0.0	2.84	369.37	1066.65	1398.98	0.0
82120.000	40.00	0.0	0.0	3500.00	727.50	738.22	0.0	2.65	312.35	1090.54	2415.22	1.41
82120.000	40.00	0.0	0.0	4300.00	727.50	738.97	0.0	2.54	255.72	1109.25	3018.92	0.75
82120.000	40.00	0.0	0.0	6800.00	727.50	741.14	0.0	2.26	37.46	1155.46	5123.79	2.17
828.600	740.00	0.0	0.0	2100.00	729.90	738.40	0.0	4.27	401.71	1063.71	948.42	0.0
828.600	740.00	0.0	0.0	3500.00	729.90	739.38	0.0	4.37	362.30	1069.35	1510.70	0.98
828.600	740.00	0.0	0.0	4300.00	729.90	739.93	0.0	4.27	340.28	1077.75	1890.67	0.55
828.600	740.00	0.0	0.0	6800.00	729.90	741.68	0.0	3.65	238.59	1117.10	3291.02	1.76
836.050	745.00	0.0	0.0	2100.00	732.30	740.99	0.0	3.87	394.44	1064.05	1041.31	0.0
836.050	745.00	0.0	0.0	3500.00	732.30	741.81	0.0	4.31	361.05	1069.83	1531.01	0.83
836.050	745.00	0.0	0.0	4300.00	732.30	742.19	0.0	4.51	345.64	1075.70	1793.75	0.37
836.050	745.00	0.0	0.0	6800.00	732.30	743.23	0.0	4.79	303.94	1095.75	2579.00	1.05
84350.000	745.00	0.0	0.0	1700.00	734.60	742.46	0.0	2.29	364.19	955.06	1404.15	0.0
84350.000	745.00	0.0	0.0	2800.00	734.60	743.34	0.0	2.53	297.94	957.59	1956.10	0.88
84350.000	745.00	0.0	0.0	3500.00	734.60	743.76	0.0	2.69	296.67	958.78	2230.44	0.42
84350.000	745.00	0.0	0.0	5200.00	734.60	744.77	0.0	2.88	264.93	961.68	2909.93	1.01

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
84988.000	638.00	0.0	0.0	1700.00	736.40	743.60	0.0	3.95	400.37	953.15	1023.06	0.0
84988.000	638.00	0.0	0.0	2800.00	736.40	744.45	0.0	4.08	354.32	955.59	1512.53	0.85
84988.000	638.00	0.0	0.0	3500.00	736.40	744.88	0.0	4.20	298.75	956.84	1783.24	0.44
84988.000	638.00	0.0	0.0	5200.00	736.40	745.83	0.0	4.33	295.84	959.55	2408.83	0.95
85624.000	636.00	0.0	0.0	1700.00	738.20	745.54	0.0	3.61	392.62	953.56	1102.53	0.0
85624.000	636.00	0.0	0.0	2800.00	738.20	746.29	0.0	3.97	351.34	955.74	1545.63	0.75
85624.000	636.00	0.0	0.0	3500.00	738.20	746.70	0.0	4.15	298.68	956.91	1799.40	0.41
85624.000	636.00	0.0	0.0	5200.00	738.20	747.54	0.0	4.46	296.11	957.30	2350.05	0.84
86260.000	636.00	0.0	0.0	1700.00	740.00	746.03	0.0	2.96	260.23	659.08	1133.97	0.0
86260.000	636.00	0.0	0.0	2800.00	740.00	747.73	0.0	3.36	250.62	667.72	1495.69	0.90
86260.000	636.00	0.0	0.0	3500.00	740.00	748.20	0.0	3.87	241.31	671.67	1696.36	0.47
86260.000	636.00	0.0	0.0	5200.00	740.00	749.15	0.0	4.50	222.70	679.55	2115.96	0.94
87470.000	1210.00	0.0	0.0	1700.00	740.30	748.75	0.0	2.96	311.59	812.52	1029.76	0.0
87470.000	1210.00	0.0	0.0	2800.00	740.30	749.77	0.0	3.15	258.07	835.96	1589.20	1.01
87470.000	1210.00	0.0	0.0	3500.00	740.30	750.29	0.0	3.25	244.73	843.77	1896.74	0.52
87470.000	1210.00	0.0	0.0	5200.00	740.30	751.35	0.0	3.47	217.70	859.59	2553.83	1.06
87550.000	80.00	0.0	0.0	1700.00	739.60	748.90	0.0	2.05	262.56	833.33	1488.25	0.0
87550.000	80.00	0.0	0.0	2800.00	739.60	749.90	0.0	2.34	236.75	848.43	2085.90	1.00
87550.000	80.00	0.0	0.0	3500.00	739.60	750.42	0.0	2.49	223.30	856.31	2413.79	0.52
87550.000	80.00	0.0	0.0	5200.00	739.60	751.40	0.0	2.80	196.24	872.15	3107.55	1.06
87590.000	40.00	751.00	749.00	1700.00	739.30	748.91	0.0	4.53	262.18	833.53	550.50	0.0
87590.000	40.00	751.00	749.00	2800.00	739.30	749.88	0.0	6.68	237.23	848.16	561.61	0.98
87590.000	40.00	751.00	749.00	3500.00	739.30	751.78	0.0	2.46	188.84	876.48	2412.47	1.90
87590.000	40.00	751.00	749.00	5200.00	739.30	752.93	0.0	2.84	159.41	893.71	3101.24	1.15
876.300	40.00	0.0	0.0	1420.00	739.80	749.19	0.0	2.42	267.57	830.40	984.32	0.0
876.300	40.00	0.0	0.0	2400.00	739.80	750.51	0.0	2.66	233.94	850.08	1520.53	1.32
876.300	40.00	0.0	0.0	2950.00	739.80	751.81	0.0	2.32	200.92	869.41	2154.19	1.29
876.300	40.00	0.0	0.0	4200.00	739.80	752.97	0.0	2.53	171.41	886.66	2810.13	1.16
87670.000	40.00	0.0	0.0	1420.00	740.30	749.25	0.0	2.47	206.13	677.63	1095.78	0.0
87670.000	40.00	0.0	0.0	2400.00	740.30	750.57	0.0	2.43	170.28	728.92	1779.90	1.32
87670.000	40.00	0.0	0.0	2950.00	740.30	751.84	0.0	1.99	148.73	768.81	2530.27	1.27
87670.000	40.00	0.0	0.0	4200.00	740.30	753.01	0.0	2.08	120.91	782.00	3271.60	1.16
88800.000	1130.00	0.0	0.0	1250.00	741.80	750.47	0.0	2.15	126.51	739.31	1181.60	0.0
88800.000	1130.00	0.0	0.0	2100.00	741.80	751.53	0.0	2.15	110.08	749.39	1852.21	1.06
88800.000	1130.00	0.0	0.0	2600.00	741.80	752.43	0.0	1.92	96.22	757.90	2440.53	0.90
88800.000	1130.00	0.0	0.0	3500.00	741.80	753.53	0.0	1.89	79.41	768.22	3180.53	1.10
90105.000	1305.00	0.0	0.0	650.00	747.50	752.22	0.0	9.03	1443.30	1468.44	73.12	0.0
90105.000	1305.00	0.0	0.0	1010.00	747.50	753.69	753.69	7.25	1353.98	1572.14	210.80	1.47
90105.000	1305.00	0.0	0.0	1250.00	747.50	753.96	753.96	7.62	1344.27	1609.45	278.24	0.27
90105.000	1305.00	0.0	0.0	1800.00	747.50	754.45	754.45	8.01	1326.62	1638.52	420.82	0.49
90155.000	50.00	0.0	0.0	650.00	749.20	754.52	754.52	7.96	1321.59	1424.48	128.63	0.0
90155.000	50.00	0.0	0.0	1010.00	749.20	755.33	755.33	7.50	1292.94	1564.28	285.67	0.80
90155.000	50.00	0.0	0.0	1250.00	749.20	755.55	755.55	7.90	1284.75	1577.78	350.43	0.23
90155.000	50.00	0.0	0.0	1800.00	749.20	755.89	755.89	9.10	1272.94	1597.23	452.47	0.33

SECHO	YLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
90207.000	52.00	758.50	757.20	660.00	749.20	754.52	0.0	7.96	1321.53	1424.74	128.80	0.0
90207.000	52.00	758.50	757.20	1010.00	749.20	755.33	0.0	7.50	1292.92	1564.33	285.87	0.80
* 90207.000	52.00	758.50	757.20	1250.00	749.20	755.87	0.0	6.37	1273.44	1596.41	447.96	0.55
90207.000	52.00	758.50	757.20	1800.00	749.20	755.89	0.0	9.09	1272.91	1597.29	452.78	0.01
90257.000	50.00	0.0	0.0	660.00	750.10	755.96	754.63	6.83	1379.99	1469.62	113.78	0.0
AM * 90257.000	50.00	0.0	0.0	1010.00	750.10	756.28	756.28	7.31	1354.26	1570.19	200.10	0.72
* 90257.000	50.00	0.0	0.0	1250.00	750.10	756.67	756.67	7.10	1340.30	1615.98	308.28	0.39
* 90257.000	50.00	0.0	0.0	1800.00	750.10	757.04	757.04	8.08	1327.09	1637.73	416.64	0.37
93500.000	3243.00	0.0	0.0	350.00	767.70	773.17	0.0	2.02	1175.27	1451.91	361.07	0.0
AM 93500.000	3243.00	0.0	0.0	530.00	767.70	773.62	0.0	2.16	1145.18	1458.74	494.23	0.45
93500.000	3243.00	0.0	0.0	655.00	767.70	773.83	0.0	2.33	1131.66	1461.81	559.50	0.20
93500.000	3243.00	0.0	0.0	920.00	767.70	774.37	0.0	2.36	1090.45	1469.33	751.95	0.54
* 96000.000	2500.00	0.0	0.0	300.00	785.30	788.85	788.85	9.80	1189.15	1199.43	50.63	0.0
* 96000.000	2500.00	0.0	0.0	430.00	785.30	790.46	790.46	7.24	1134.17	1212.09	87.23	1.61
* 96000.000	2500.00	0.0	0.0	530.00	785.30	790.71	790.71	7.64	1131.59	1220.24	107.58	0.24
* 96000.000	2500.00	0.0	0.0	760.00	785.30	791.17	791.17	8.17	1126.67	1235.77	153.67	0.47
97975.000	1975.00	0.0	0.0	90.00	808.90	814.47	812.07	1.77	1156.06	1191.69	72.85	0.0
97975.000	1975.00	0.0	0.0	150.00	808.90	814.60	0.0	2.79	1155.34	1192.39	77.51	0.13
97975.000	1975.00	0.0	0.0	180.00	808.90	814.97	0.0	2.85	1150.94	1194.42	92.58	0.38
97975.000	1975.00	0.0	0.0	245.00	808.90	815.60	0.0	3.00	1143.53	1197.83	123.34	0.63
* 98025.000	50.00	0.0	0.0	90.00	811.20	814.31	814.31	6.83	1237.38	1253.28	18.11	0.0
AP * 98025.000	50.00	0.0	0.0	150.00	811.20	814.80	814.80	7.96	1236.39	1255.72	26.81	0.49
* 98025.000	50.00	0.0	0.0	180.00	811.20	815.01	815.01	8.30	1235.99	1256.71	30.83	0.20
98025.000	50.00	0.0	0.0	245.00	811.20	815.57	0.0	8.17	1234.85	1259.54	43.80	0.56
98071.000	46.00	821.60	814.80	90.00	811.20	816.15	0.0	2.25	1233.70	1262.37	59.11	0.0
98071.000	46.00	821.60	814.80	150.00	811.20	820.04	0.0	0.82	1191.30	1297.87	298.95	3.89
98071.000	46.00	821.60	814.80	180.00	811.20	821.91	0.0	0.56	1170.39	1324.56	543.91	1.88
98071.000	46.00	821.60	814.80	245.00	811.20	822.35	0.0	0.67	1166.77	1330.84	614.07	0.44
* 98121.000	50.00	0.0	0.0	90.00	813.00	816.17	816.17	6.88	1164.25	1178.74	16.64	0.0
AQ 98121.000	50.00	0.0	0.0	150.00	813.00	820.04	0.0	1.61	1139.47	1199.70	143.10	3.87
98121.000	50.00	0.0	0.0	180.00	813.00	821.92	0.0	0.95	1117.45	1225.58	300.22	1.87
98121.000	50.00	0.0	0.0	245.00	813.00	822.36	0.0	1.11	1112.26	1231.79	350.44	0.44

SUMMARY OF ERRORS

CAUTION SECNO=90105.000 PROFILE= 2 CRITICAL DEPTH ASSUMED  
CAUTION SECNO=90105.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO=90105.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO=90105.000 PROFILE= 3 CRITICAL DEPTH ASSUMED  
CAUTION SECNO=90105.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO=90105.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO=90105.000 PROFILE= 4 CRITICAL DEPTH ASSUMED  
CAUTION SECNO=90105.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO=90105.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL  
  
CAUTION SECNO=90155.000 PROFILE= 1 CRITICAL DEPTH ASSUMED  
CAUTION SECNO=90155.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY

CAUTION	SECNO=90155.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=90155.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=90155.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=90155.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=90155.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=90155.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=90155.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=90155.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=90155.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=90207.000	PROFILE= 3	HYDRAULIC JUMP D.S.
CAUTION	SECNO=90257.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=90257.000	PROFILE= 2	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=90257.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=90257.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=90257.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=90257.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=90257.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=90257.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=96000.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=96000.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=96000.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=96000.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=96000.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=96000.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=96000.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=96000.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=96000.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=96000.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=96000.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=96000.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=98025.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=98025.000	PROFILE= 1	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=98025.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=98025.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=98025.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=98025.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=98025.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=98025.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=98121.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=98121.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=98121.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL

FLOOD INSURANCE ZONE DATA FOR 10 YEAR FLOOD WATER SURF

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10'	2'	0.2'
81920.000	0.	-1.6	-0.6	1.9
82000.000	80.	-1.2	-0.4	1.2
82040.000	120.	-1.1	-0.3	4.2
82080.000	160.	-2.2	-0.8	2.2
82120.000	200.	-1.2	-0.7	2.2
828.600	940.	-1.5	-0.5	1.8
836.050	1685.	-1.2	-0.4	1.0
84350.000	2420.	-1.3	-0.4	1.0
84988.000	3063.	-1.3	-0.4	0.9
85524.000	3704.	-1.2	-0.4	0.8
86260.000	4340.	-1.4	-0.5	0.9
87470.000	5550.	-1.5	-0.5	1.1
87550.000	5630.	-1.5	-0.5	1.1
87590.000	5670.	-2.9	-1.9	1.2
876.300	5710.	-2.6	-1.3	1.2
87670.000	5750.	-2.6	-1.3	1.2
88800.000	6880.	-2.0	-0.9	1.1
90105.000	8185.	-1.7	-0.3	0.5
90155.000	8235.	-1.0	-0.2	0.3
90207.000	8287.	-1.3	-0.5	0.0
90257.000	8337.	-1.1	-0.4	0.4
93500.000	11580.	-0.7	-0.2	0.5
96000.000	14080.	-1.9	-0.2	0.5
97975.000	16055.	-0.5	-0.4	0.6
98025.000	16105.	-0.7	-0.2	0.6
98071.000	16151.	-5.0	-1.9	0.4
98121.000	16201.	-5.7	-1.9	0.4
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WEIGHTED AVG FOR REACH.		-1.4	-0.4	0.0

FHF FOR THE REACH = 0.15 WITH 91.1% OF THE REACH WITHIN 0.5 FEET  
 ZONE FOR THE REACH = A 3

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

EJ

Crane Creek Floodway

CRANE CREEK/ROMAN COUNTY FIA STUDY M-G JOB NO. 20691B

X Y X X X X Y X X Y Y X Y X X X Y Y X X X X X X X X X X X X X X X X X X X

X-SECTION A STA 290+00 CRANE CREEK

DESIRED Q	AVER SLOPE	MANNINGS N
15000.00	0.0028	0.075

ERROR - TOO MANY CHANNELS

CRANE CREEK/ROMAN COUNTY FIA STUDY M-G JOB NO. 20691B

X Y X X X X Y X X Y Y X X Y X Y Y X X X X X X X X X X X X X X X X X X

X-SECTION B STA 312+00 CRANE CREEK

DESIRED Q	AVER SLOPE	MANNINGS N
10500.00	0.0028	0.075

X VALUE	Y VALUE	X VALUE	Y VALUE	X VALUE	Y VALUE
0.00	644.50	15.36	642.00	57.03	638.10
138.70	629.15	139.97	629.01	143.67	628.60
144.13	628.55	145.48	628.40	150.00	627.90
330.00	628.40	412.50	628.55	440.00	628.60
451.18	629.01	455.00	629.15	455.13	629.01
455.50	628.60	455.54	628.55	455.68	628.40
456.13	627.90	459.28	624.40	460.00	623.60
480.00	624.40	480.76	627.90	480.87	628.40
480.50	628.55	480.91	628.60	481.00	629.01
529.13	628.60	535.00	628.55	535.86	628.60
542.95	629.01	545.37	629.15	700.00	638.10
860.00	642.80	860.00	644.50	0.00	0.00

COMPUTED Q CFS	AVER SLOPE	MANNINGS N	ELEVATION FT
<u>10500.00</u>	0.002	0.075	633.49

FRINGE AND ENCROACHMENT STATIONS FOR THE ABOVE CROSS SECTION

NATURAL WATER FLOOD LEVEL	FEET ADDED TO NATURAL	X-VALUE L BANK	X-VALUE R BANK
632.60	1.00	455.00	481.00

MODIFIED CROSS SECT. CONVEYANCE EXCEEDS UNMODIFIED CROSS SECTION CONVEYANCE BY 1 (20.00) SQ. FT.

UNMODIFIED AREA CONVEYANCE	PERCENT DIFF OF MODIFICATION	X-VALUE OF L ENCROACH STA	X-VALUE OF R ENCROACH STA
1984.68	0.00	126.60	563.12

ENCROACHMENT DISTANCE FROM LEFT BANK = 258.40 FEET

ENCROACHMENT DISTANCE FROM RIGHT BANK = 82.12 FEET

CROSS SECTION TABLE DUMP

ELEVATION	DISCHARGE Q	AREA	WETTED P
644.50	53975.69	10041.55	869.18
642.00	42186.83	8592.61	852.02
638.10	21188.13	5098.61	649.22
629.15	420.65	405.09	412.96
629.01	331.79	348.70	405.26
628.60	148.85	199.56	334.14
628.55	139.92	184.00	299.34
628.40	118.93	146.24	215.12
627.90	191.06	87.66	29.39
624.40	4.68	8.29	21.09
623.60	0.00	0.00	0.00



X X Y X

X-SECTION C STA 326+00 CRANE CREEK

DESIGNED Q	AVER SLOPE	MANNINGS N
10500.00	0.0019	0.075

X VALUE	Y VALUE	X VALUE	Y VALUE	X VALUE	Y VALUE
0.00	644.30	19.72	642.55	80.00	637.20
171.50	634.15	200.00	633.20	300.00	632.90
560.00	631.00	674.22	628.85	698.13	628.40
730.00	627.80	790.00	628.40	835.00	628.85
835.56	628.40	836.30	627.80	836.67	627.50
837.53	626.80	840.00	624.30	860.00	622.20
864.19	624.80	867.42	620.80	868.55	627.50
869.83	627.80	870.00	628.40	943.33	627.80
990.00	627.50	1000.00	626.80	1011.90	627.50
1017.01	627.80	1027.21	628.40	1034.86	628.85
1071.43	631.00	1103.74	632.90	1108.04	633.20
1125.00	634.15	1143.15	637.20	1175.00	642.55
1175.00	644.30	0.00	0.00	0.00	0.00

COMPUTED Q	AVER SLOPE	MANNINGS N	ELEVATION
CFS			FT
10500.00	0.001	0.075	634.76

FRINGE AND ENCROACHMENT STATIONS FOR THE ABOVE CROSS SECTION

NATURAL WATER FLOOD LEVEL	FEET ADDED TO NATURAL	X-VALUE L BANK	X-VALUE R BANK
635.30	1.00	835.00	870.00

MODIFIED CROSS SECT. CONVEYANCE EXCEEDS UNMODIFIED CROSS SECTION  
CONVEYANCE BY ( 0.00 ) SQ. FT.

UNMODIFIED AREA CONVEYANCE	PERCENT DIFF OF MODIFICATION	X-VALUE OF L ENCROACH STA	X-VALUE OF R ENCROACH STA
4854.46	0.00	351.95	1047.47

ENCROACHMENT DISTANCE FROM LEFT BANK = 483.05 FEET

ENCROACHMENT DISTANCE FROM RIGHT BANK = 177.47 FEET

*4 = Sta. 8+62*

CROSS SECTION TABLE DUMP

ELEVATION	DISCHARGE Q	AREA	WETTED P
644.30	69325.61	14782.87	1181.48
642.55	54801.65	12743.88	1159.93
637.20	20384.58	6809.56	1067.12
634.15	8052.14	3734.16	957.16
633.20	5297.40	2849.55	912.46
632.90	4910.37	2592.66	807.35
631.00	2214.71	1343.25	514.97
628.85	379.51	405.77	364.11
628.40	213.03	260.83	286.81
627.00	150.34	143.85	109.28
627.50	151.24	118.32	66.45
626.80	143.12	85.53	32.08
624.80	31.81	31.45	25.10
622.20	0.00	0.00	0.00

CRANE CREEK/ROWAN COUNTY FIA STUDY M-G JOB NO. 20691A

X X X X X X Y Y Y Y X X X X X Y Y X

X-SECTION D STA 338+50 CRANE CREEK

DESTRED Q	AVER SLOPE	MANNINGS N
10000.00	0.0009	0.075

X VALUE	Y VALUE	X VALUE	Y VALUE	X VALUE	Y VALUE
0.00	645.70	77.85	641.60	150.00	637.80
257.91	635.05	305.00	633.85	370.00	633.00
452.82	631.10	476.79	630.55	492.05	630.20
522.56	629.50	529.10	629.35	540.00	629.10
566.72	629.35	582.76	629.50	657.59	630.20
695.00	630.55	700.83	630.20	712.50	629.50
715.00	629.35	716.27	629.10	745.00	623.45
753.00	622.95	755.34	623.45	759.24	629.10
759.41	629.35	759.52	629.50	760.00	630.20
1010.00	629.50	1088.75	630.20	1128.13	630.55
1199.00	631.10	1225.08	633.00	1242.22	633.85
1265.00	635.05	1321.68	637.80	1400.00	641.60
1400.00	645.70	0.00	0.00	0.00	0.00

GR 830.6	1000	819.3	1100	814.2	1160	811.7	1165	810.9	1170
GR 808.9	1171	808.9	1172	808.9	1173	811.2	1174	816.0	1200
GR 823.1	1300	823.1	1400	824.0	1500				

EJ

T1 ROWAN COUNTY BASIN G STREAM 1 CRANE CREEK  
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918  
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1 -10 3 736.1

J2 2 -1

T1 ROWAN COUNTY BASIN G STREAM 1 CRANE CREEK  
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918  
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1 -10 4 736.7

J2 3 -1

T1 ROWAN COUNTY BASIN G STREAM 1 CRANE CREEK  
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918  
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1 -10 5 738.1

J2 15 -1

EJ

ER

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// XEQ STOPT

20 6921 1382 531 MK

FIS DAVIDSON-ROWAN COUNTIES

// EQJ

FLOODWAY DATA, 100 YEAR FLOOD WATER SUR  
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	
28340.000	1965.	7683.	1.3	626.5	625.5	1.0
28440.000	1979.	7890.	1.3	626.6	625.6	1.0
28540.000	1992.	8098.	1.2	626.7	625.7	1.0
29030.000	324.	1514.	6.7	627.0	626.3	0.7
29520.000	382.	2764.	3.7	630.6	629.8	0.8
30010.000	391.	2984.	3.4	631.9	631.2	0.7
30500.000	395.	3079.	3.3	633.1	632.4	0.7
32000.000	556.	3946.	2.5	635.8	635.1	0.7
33100.000	691.	5089.	1.9	637.0	636.3	0.7
33180.000	674.	4759.	2.1	637.1	636.4	0.7
33220.000	731.	5838.	1.7	638.4	637.7	0.7
33300.000	429.	3569.	2.8	638.5	637.8	0.7
36150.000	581.	3863.	2.5	642.8	642.1	0.7
38600.000	407.	2434.	3.8	648.6	647.9	0.7
40375.000	332.	2782.	3.3	653.4	652.7	0.7
42375.000	456.	2882.	3.2	657.8	657.1	0.7
44500.000	383.	3024.	2.9	662.2	661.5	0.7
44580.000	95.	608.	14.6	662.5	662.5	0.0
44620.000	95.	815.	10.9	664.6	663.9	0.7
44700.000	335.	3617.	2.5	667.6	667.5	0.1
47100.000	595.	3305.	2.7	670.5	670.0	0.5
48700.000	481.	2719.	3.3	674.7	674.0	0.7
50700.000	349.	2233.	3.7	681.2	680.5	0.7
53150.000	393.	2975.	2.8	686.6	685.9	0.7
55000.000	195.	1292.	6.4	691.8	691.1	0.7
57300.000	351.	2822.	2.9	699.4	698.7	0.7
57380.000	308.	2276.	3.6	699.5	698.8	0.7
57420.000	406.	3702.	2.2	700.7	700.0	0.7
57500.000	456.	4380.	1.8	700.8	700.1	0.7
58600.000	414.	3393.	2.3	701.6	700.9	0.7
58680.000	450.	4253.	1.9	701.7	701.0	0.7
58700.000	495.	5289.	1.5	703.2	702.5	0.7
58800.000	610.	5975.	1.3	703.3	702.6	0.7
62100.000	669.	4810.	1.6	704.5	703.8	0.7
62700.000	655.	2681.	2.9	705.1	704.4	0.7
62780.000	300.	1492.	5.3	705.4	704.7	0.7
62820.000	300.	1680.	4.7	705.5	704.8	0.7
62900.000	574.	3371.	2.3	706.2	705.7	0.5
64250.000	409.	2383.	2.8	708.3	707.7	0.6
64330.000	393.	2177.	3.1	708.6	707.9	0.7
64370.000	237.	1887.	3.6	710.2	709.5	0.7
64450.000	407.	2697.	2.5	710.4	710.7	-0.3
65600.000	262.	1668.	4.0	712.5	712.2	0.3
65675.000	228.	1426.	4.6	712.8	712.5	0.3
65725.000	386.	2852.	2.3	713.9	713.6	0.3
65800.000	400.	3047.	2.2	714.0	713.7	0.3
67900.000	503.	2545.	2.6	716.9	716.3	0.6
70400.000	274.	2155.	2.9	721.2	720.5	0.7
70470.000	105.	690.	9.0	721.2	720.4	0.8
70530.000	105.	724.	8.6	721.6	720.8	0.8

FLOODWAY DATA, 100 YEAR FLOOD WATER SUR  
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
70600.000	961.	8740.	0.7	723.4	723.1	0.3
72300.000	289.	1865.	3.3	723.6	723.3	0.3
75200.000	245.	1842.	3.4	730.6	729.8	0.8
77200.000	305.	2281.	2.1	733.7	733.0	0.7
77280.000	312.	2340.	2.1	733.8	733.1	0.7
77285.000	234.	986.	4.9	733.7	733.0	0.7
77315.000	235.	992.	4.8	733.8	733.1	0.7
77320.000	321.	2382.	2.0	734.3	733.4	0.9
77400.000	325.	2416.	2.0	734.4	733.5	0.9
78320.000	332.	2146.	2.2	735.3	734.5	0.8
79420.000	704.	3944.	1.2	736.2	735.4	0.8
81000.000	364.	1459.	2.6	737.5	736.8	0.7
81080.000	32.	298.	12.7	737.5	736.7	0.8
81120.000	30.	243.	15.5	738.6	737.9	0.7
81200.000	689.	5409.	0.7	742.8	742.2	0.6
83375.000	337.	1188.	3.2	743.2	742.6	0.6
84000.000	359.	1487.	2.4	745.6	744.9	0.7
84625.000	356.	1463.	2.4	747.4	746.7	0.7
85250.000	263.	1443.	2.4	748.9	748.2	0.7
86700.000	299.	1550.	1.9	751.0	750.3	0.7
86780.000	41.	368.	8.1	751.0	750.3	0.7
86820.000	41.	458.	6.6	753.0	752.3	0.7
86900.000	374.	2737.	1.1	753.8	752.6	1.2
87800.000	420.	2553.	1.2	754.0	752.9	1.1
89150.000	50.	145.	8.9	754.0	754.0	0.0
89200.000	80.	198.	6.6	755.7	755.6	0.1
89252.000	364.	597.	2.2	756.3	755.6	0.7
89302.000	46.	134.	9.7	756.6	756.6	0.0
92350.000	135.	482.	1.5	774.9	773.9	1.0
94900.000	25.	71.	8.8	791.0	791.0	0.0
96927.000	18.	106.	2.6	817.1	815.5	1.6
96977.000	10.	39.	7.1	816.7	815.5	1.2
97023.000	73.	539.	0.5	823.7	822.5	1.2
97073.000	49.	316.	0.9	823.7	822.5	1.2

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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

100 YEAR FLOOD WATER SUR

SUMMARY PRINTOUT

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
28340.000	28340.00	0.0	0.0	10100.00	616.80	625.47	0.0	2.58	117.16	2759.50	7976.42	0.0
28340.000	28340.00	0.0	0.0	10100.00	616.80	626.47	0.0	2.56	556.76	2521.63	7682.91	1.00
28440.000	100.00	0.0	0.0	10100.00	616.80	625.57	0.0	2.48	115.47	2759.81	8244.88	0.0
28440.000	100.00	0.0	0.0	10100.00	616.80	626.55	0.0	2.49	547.55	2526.38	7890.41	0.98
28540.000	100.00	0.0	0.0	10100.00	616.80	625.66	0.0	2.40	113.92	2760.10	8491.58	0.0
28540.000	100.00	0.0	0.0	10100.00	616.80	626.62	0.0	2.41	539.07	2530.84	8098.17	0.96
29030.000	490.00	0.0	0.0	10100.00	617.77	626.32	0.0	9.94	111.62	537.69	1746.69	0.0
29030.000	490.00	0.0	0.0	10100.00	617.77	626.98	0.0	10.62	214.03	538.43	1514.25	0.67
29520.000	490.00	0.0	0.0	10100.00	618.75	629.83	0.0	5.22	88.77	641.15	3059.67	0.0
29520.000	490.00	0.0	0.0	10100.00	618.75	630.61	0.0	5.39	180.94	562.54	2763.78	0.78
30010.000	490.00	0.0	0.0	10100.00	619.72	631.24	0.0	4.78	84.76	648.79	3307.85	0.0
30010.000	490.00	0.0	0.0	10100.00	619.72	631.99	0.0	4.96	175.79	567.24	2983.58	0.75
30500.000	490.00	0.0	0.0	10100.00	620.70	632.42	0.0	4.61	82.95	652.22	3420.92	0.0
30500.000	490.00	0.0	0.0	10100.00	620.70	633.15	0.0	4.79	174.36	569.02	3079.11	0.73
32000.000	1500.00	0.0	0.0	10000.00	622.20	635.13	0.0	3.89	142.20	1131.11	4688.63	0.0
32000.000	1500.00	0.0	0.0	10000.00	622.20	635.84	0.0	4.07	468.93	1025.09	3946.47	0.72
33100.000	1100.00	0.0	0.0	9850.00	622.90	636.31	0.0	2.75	207.64	1291.84	5783.14	0.0
33100.000	1100.00	0.0	0.0	9850.00	622.90	637.04	0.0	2.87	430.14	1121.02	5089.41	0.73
33180.000	80.00	0.0	0.0	9850.00	623.30	636.38	0.0	2.94	220.13	1285.25	5436.93	0.0
33180.000	80.00	0.0	0.0	9850.00	623.30	637.11	0.0	3.08	440.21	1114.35	4759.36	0.73
33220.000	40.00	634.80	>633.70	9850.00	623.60	637.73	0.0	2.40	179.87	1306.50	6575.48	0.0
33220.000	40.00	999999.00	0.0	9850.00	623.60	638.45	0.0	2.49	406.08	1136.71	5837.74	0.73
33300.000	80.00	0.0	0.0	9850.00	623.60	637.78	0.0	4.05	158.92	791.57	4003.42	0.0
33300.000	80.00	0.0	0.0	9850.00	623.60	638.50	0.0	4.19	340.35	769.83	3568.82	0.72
36150.000	2850.00	0.0	0.0	9850.00	629.20	642.09	0.0	4.07	75.68	930.51	4388.58	0.0
36150.000	2850.00	0.0	0.0	9850.00	629.20	642.80	0.0	4.27	232.26	813.66	3863.20	0.71

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
38600.000	2450.00	n.0	0.0	9200.00	635.00	647.85	0.0	6.25	150.17	708.50	2708.95	0.0
38600.000	2450.00	n.0	0.0	9200.00	635.00	648.55	0.0	6.53	227.01	633.52	2433.67	0.70
40375.000	1775.00	n.0	0.0	9200.00	639.10	652.72	0.0	4.96	83.22	597.13	3150.02	0.0
40375.000	1775.00	n.0	0.0	9200.00	639.10	653.40	0.0	5.11	253.76	585.34	2782.11	0.68
42375.000	2000.00	n.0	0.0	9200.00	644.50	657.13	0.0	5.28	256.73	953.40	3319.83	0.0
42375.000	2000.00	n.0	0.0	9200.00	644.50	657.80	0.0	5.52	309.72	765.94	2881.91	0.67
<del>44500.000</del>	2125.00	n.0	0.0	8900.00	647.80	661.54	0.0	3.77	109.08	664.01	3358.59	0.0
<del>44500.000</del>	2125.00	n.0	0.0	8900.00	647.80	662.24	0.0	3.96	224.89	608.17	3023.72	0.70
<del>44580.000</del>	80.00	n.0	0.0	8900.00	651.00	662.46	662.46	14.63	455.00	550.00	608.18	0.0
<del>44580.000</del>	80.00	n.0	0.0	8900.00	651.00	662.46	662.46	14.64	455.00	550.00	608.09	-0.00
<del>44620.000</del>	40.00	674.00	666.00	8900.00	651.00	663.94	0.0	11.89	455.00	550.00	748.66	0.0
<del>44620.000</del>	40.00	674.00	666.00	8900.00	651.00	664.64	0.0	10.92	455.00	550.00	815.16	0.70
<del>44700.000</del>	80.00	n.0	0.0	8900.00	648.20	667.45	0.0	3.53	105.45	634.78	4180.89	0.0
<del>44700.000</del>	80.00	n.0	0.0	8900.00	648.20	667.57	0.0	3.78	276.43	611.35	3617.27	0.12
<del>47100.000</del>	2400.00	n.0	0.0	8900.00	657.20	669.99	0.0	4.07	231.11	974.70	3546.04	0.0
<del>47100.000</del>	2400.00	n.0	0.0	8900.00	657.20	670.45	0.0	4.44	333.09	928.02	3304.83	0.45
<del>48700.000</del>	1600.00	n.0	0.0	8900.00	661.80	674.01	0.0	5.57	64.32	927.94	3205.32	0.0
<del>48700.000</del>	1600.00	n.0	0.0	8900.00	661.80	674.70	0.0	5.84	150.12	630.81	2718.72	0.69
<del>50700.000</del>	2000.00	n.0	0.0	8300.00	669.00	680.54	0.0	5.68	255.23	738.72	2468.69	0.0
<del>50700.000</del>	2000.00	n.0	0.0	8300.00	669.00	681.24	0.0	5.92	323.07	672.47	2233.46	0.70
<del>53150.000</del>	2450.00	n.0	0.0	8300.00	671.80	685.95	0.0	4.29	520.90	1167.26	3477.86	0.0
<del>53150.000</del>	2450.00	n.0	0.0	8300.00	671.80	686.66	0.0	4.45	726.85	1120.12	2975.35	0.71
<del>55000.000</del>	1850.00	n.0	0.0	8300.00	678.20	691.08	0.0	9.66	119.80	383.90	1440.37	0.0
<del>55000.000</del>	1850.00	n.0	0.0	8300.00	678.20	691.73	0.0	10.12	185.30	379.97	1292.16	0.65
<del>57300.000</del>	2300.00	n.0	0.0	8100.00	683.90	698.70	0.0	4.15	220.41	814.95	3261.25	0.0
<del>57300.000</del>	2300.00	n.0	0.0	8100.00	683.90	699.45	0.0	4.30	317.77	669.01	2821.88	0.75
<del>57380.000</del>	80.00	n.0	0.0	8100.00	685.00	698.83	0.0	5.02	230.82	790.83	2704.21	0.0
<del>57380.000</del>	80.00	n.0	0.0	8100.00	685.00	699.57	0.0	5.23	332.63	641.02	2276.27	0.74
<del>57420.000</del>	40.00	697.20	695.60	8100.00	683.70	699.99	0.0	3.22	181.43	849.40	4202.46	0.0
<del>57420.000</del>	40.00	999999.00	0.0	8100.00	683.70	700.73	0.0	3.32	297.22	703.07	3701.52	0.74
<del>57500.000</del>	80.00	n.0	0.0	8100.00	683.10	700.09	0.0	2.93	52.64	725.27	4836.32	0.0
<del>57500.000</del>	80.00	n.0	0.0	8100.00	683.10	700.84	0.0	3.00	114.16	570.15	4379.56	0.75
<del>58600.000</del>	1100.00	n.0	0.0	7900.00	685.50	700.86	0.0	3.34	171.18	788.56	3831.89	0.0
<del>58600.000</del>	1100.00	n.0	0.0	7900.00	685.50	701.59	0.0	3.46	268.96	683.44	3393.45	0.73
<del>58680.000</del>	80.00	n.0	0.0	7900.00	684.20	700.97	0.0	2.68	143.17	802.68	4730.52	0.0
<del>58680.000</del>	80.00	n.0	0.0	7900.00	684.20	701.71	0.0	2.77	246.33	696.46	4252.94	0.75
<del>58700.000</del>	20.00	700.00	697.00	7900.00	684.20	702.51	0.0	2.40	104.51	818.13	5752.90	0.0
<del>58700.000</del>	20.00	999999.00	0.0	7900.00	684.20	703.26	0.0	2.46	217.47	712.79	5289.49	0.75

45200  
45200  
45300  
45400  
47000  
49500  
51500  
53950  
55800  
58100  
58180  
58220  
58300  
59400  
59490  
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corp limits 71500

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP	
59610	<del>56800.000</del>	100.00	n.0	0.0	7900.00	685.50	702.56	0.0	2.11	99.86	888.89	6417.46	0.0
	58800.000	100.00	n.0	0.0	7900.00	685.50	703.31	0.0	2.17	174.20	783.83	5974.68	0.75
62800	<del>62100.000</del>	3300.00	n.0	0.0	7900.00	690.70	703.84	0.0	2.38	207.32	1255.66	5505.07	0.0
	62100.000	3300.00	n.0	0.0	7900.00	690.70	704.58	0.0	2.47	336.13	1005.31	4809.95	0.73
63400	<del>62700.000</del>	600.00	n.0	0.0	7900.00	692.70	704.43	0.0	2.95	577.15	1569.31	3049.01	0.0
	62700.000	600.00	n.0	0.0	7900.00	692.70	705.14	0.0	3.28	708.53	1363.97	2680.71	0.71
63480	<del>62780.000</del>	80.00	n.0	0.0	7900.00	692.70	704.72	0.0	6.14	850.00	1150.00	1286.06	0.0
	62780.000	80.00	n.0	0.0	7900.00	692.70	705.41	0.0	5.30	850.00	1150.00	1491.92	0.69
63520	<del>62820.000</del>	40.00	709.00	706.80	7900.00	692.70	704.85	0.0	5.37	850.00	1150.00	1469.83	0.0
	62820.000	40.00	709.00	706.80	7900.00	692.70	705.55	0.0	4.70	850.00	1150.00	1679.81	0.70
63600	<del>62900.000</del>	80.00	n.0	0.0	7900.00	693.70	705.66	0.0	3.40	451.95	1417.59	4082.09	0.0
	62900.000	80.00	n.0	0.0	7900.00	693.70	706.13	0.0	3.72	675.05	1249.53	3371.01	0.46
65000	<del>64250.000</del>	1350.00	n.0	0.0	6700.00	696.50	707.70	0.0	4.17	566.10	1233.17	2818.38	0.0
	64250.000	1350.00	n.0	0.0	6700.00	696.50	708.34	0.0	4.42	726.06	1134.84	2383.16	0.65
65080	<del>64330.000</del>	80.00	n.0	0.0	6700.00	697.00	707.87	0.0	4.60	568.05	1229.16	2600.93	0.0
	64330.000	80.00	n.0	0.0	6700.00	697.00	708.52	0.0	4.87	736.06	1128.86	2177.38	0.65
65120	<del>64370.000</del>	40.00	707.10	707.20	6700.00	697.00	709.46	709.46	9.92	403.86	1335.00	916.31	0.0
	64370.000	40.00	999999.00	0.0	6700.00	697.00	710.11	0.0	4.70	803.19	1040.13	1886.69	0.65
65200	<del>64450.000</del>	80.00	n.0	0.0	6700.00	697.10	710.75	0.0	3.19	1095.86	1818.79	3643.09	0.0
	64450.000	80.00	n.0	0.0	6700.00	697.10	710.36	0.0	3.96	1369.50	1776.21	2697.22	-0.30
65600	<del>65600.000</del>	1150.00	n.0	0.0	6600.00	698.30	712.24	0.0	5.41	219.25	861.62	2121.28	0.0
	65600.000	1150.00	n.0	0.0	6600.00	698.30	712.53	0.0	6.02	479.34	741.12	1667.83	0.29
65675	<del>65675.000</del>	75.00	n.0	0.0	6600.00	699.10	712.46	0.0	6.21	269.85	860.51	1812.58	0.0
	65675.000	75.00	n.0	0.0	6600.00	699.10	712.79	0.0	6.90	500.39	728.75	1425.68	0.33
65725	<del>65725.000</del>	50.00	711.20	710.20	6600.00	699.10	713.59	0.0	3.33	201.70	842.06	3438.20	0.0
	65725.000	50.00	999999.00	0.0	6600.00	699.10	713.91	0.0	3.68	394.20	780.42	2851.95	0.33
65800	<del>65800.000</del>	75.00	n.0	0.0	6600.00	699.30	713.67	0.0	3.37	189.31	845.43	3616.21	0.0
	65800.000	75.00	n.0	0.0	6600.00	699.30	714.01	0.0	3.68	379.18	778.99	3047.42	0.35
67900	<del>67900.000</del>	2100.00	n.0	0.0	6600.00	704.50	716.33	0.0	4.48	327.61	1174.48	3030.21	0.0
	67900.000	2100.00	n.0	0.0	6600.00	704.50	716.96	0.0	4.76	590.85	1093.72	2545.31	0.63
70400	<del>70400.000</del>	2500.00	n.0	0.0	6200.00	707.00	720.50	0.0	3.40	274.74	652.45	2391.69	0.0
	70400.000	2500.00	n.0	0.0	6200.00	707.00	721.20	0.0	3.58	358.47	632.10	2154.73	0.71
70470	<del>70470.000</del>	70.00	n.0	0.0	6200.00	709.50	720.44	0.0	10.17	510.00	615.00	609.87	0.0
	70470.000	70.00	n.0	0.0	6200.00	709.50	721.21	0.0	8.98	510.00	615.00	690.49	0.77
70530	<del>70530.000</del>	60.00	722.90	720.40	6200.00	709.50	720.76	0.0	9.64	510.00	615.00	643.15	0.0
	70530.000	60.00	999999.00	0.0	6200.00	709.50	721.52	0.0	8.57	510.00	615.00	723.62	0.77
70600	<del>70600.000</del>	70.00	n.0	0.0	6200.00	707.20	723.07	0.0	0.97	76.94	1344.10	9996.70	0.0
	70600.000	70.00	n.0	0.0	6200.00	707.20	723.36	0.0	1.07	309.30	1269.92	8739.61	0.28



SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
72300.000	1700.00	0.0	0.0	6200.00	710.60	723.32	0.0	4.52	531.70	1096.76	2327.22	0.0
72300.000	1700.00	0.0	0.0	6200.00	710.60	723.62	0.0	5.07	738.16	1026.94	1865.38	0.30
75200.000	2900.00	0.0	0.0	6200.00	718.50	729.83	0.0	4.97	19.43	395.85	2049.38	0.0
75200.000	2900.00	0.0	0.0	6200.00	718.50	730.64	0.0	5.11	98.35	343.51	1841.54	0.81
77200.000	2000.00	0.0	0.0	4800.00	720.10	732.98	0.0	2.91	200.42	752.62	2700.16	0.0
77200.000	2000.00	0.0	0.0	4800.00	720.10	733.73	0.0	3.02	309.72	614.29	2281.12	0.74
77280.000	80.00	0.0	0.0	4800.00	720.10	733.06	0.0	2.86	199.54	753.73	2743.14	0.0
77280.000	80.00	0.0	0.0	4800.00	720.10	733.81	0.0	2.97	309.35	620.86	2340.01	0.75
77285.000	5.00	729.70	728.40	4800.00	719.40	733.02	0.0	4.00	298.78	729.64	1168.99	0.0
77285.000	5.00	729.70	728.40	4800.00	719.40	733.75	0.0	4.26	412.13	646.18	985.86	0.73
77315.000	30.00	729.70	728.40	4800.00	719.40	733.05	0.0	3.96	297.21	730.24	1179.11	0.0
77315.000	30.00	729.70	728.40	4800.00	719.40	733.78	0.0	4.22	411.55	646.09	992.18	0.73
77320.000	5.00	0.0	0.0	4800.00	720.90	733.39	0.0	2.90	140.12	789.02	2687.96	0.0
77320.000	5.00	0.0	0.0	4800.00	720.90	734.27	0.0	2.87	341.76	662.40	2381.92	0.87
77400.000	80.00	0.0	0.0	4800.00	720.90	734.47	0.0	2.86	137.86	790.47	2733.70	0.0
77400.000	80.00	0.0	0.0	4800.00	720.90	734.33	0.0	2.84	337.08	662.58	2416.41	0.86
78320.000	920.00	0.0	0.0	4800.00	723.20	734.49	0.0	3.37	217.41	789.93	2376.65	0.0
78320.000	920.00	0.0	0.0	4800.00	723.20	735.27	0.0	3.46	380.08	712.30	2146.40	0.78
79420.000	1100.00	0.0	0.0	4800.00	725.50	735.45	0.0	1.86	282.79	1255.91	4321.96	0.0
79420.000	1100.00	0.0	0.0	4800.00	725.50	736.20	0.0	1.95	385.07	1088.94	3943.52	0.76
81000.000	1580.00	0.0	0.0	3775.00	727.50	736.80	0.0	4.09	244.59	1239.67	1960.91	0.0
81000.000	1580.00	0.0	0.0	3775.00	727.50	737.50	0.0	4.34	742.30	1105.86	1459.17	0.70
81080.000	80.00	0.0	0.0	3775.00	727.30	736.70	0.0	13.88	960.00	992.00	271.93	0.0
81080.000	80.00	0.0	0.0	3775.00	727.30	737.49	0.0	12.69	960.00	992.00	297.57	0.79
* 81120.000	40.00	738.70	737.90	3775.00	727.30	737.90	737.90	15.76	785.00	815.00	239.50	0.0
* 81120.000	40.00	738.70	737.90	3775.00	727.30	738.60	737.90	15.53	785.00	815.00	243.00	0.70
81200.000	80.00	0.0	0.0	3775.00	727.50	742.16	0.0	1.00	33.94	1165.82	6270.52	0.0
81200.000	80.00	0.0	0.0	3775.00	727.50	742.74	0.0	1.06	357.27	1046.01	5409.28	0.58
83375.000	2175.00	0.0	0.0	3775.00	734.60	742.64	0.0	4.66	354.55	955.57	1510.04	0.0
83375.000	2175.00	0.0	0.0	3775.00	734.60	743.21	0.0	5.22	541.01	877.81	1188.43	0.57
84000.000	625.00	0.0	0.0	3500.00	736.40	744.91	0.0	4.14	298.66	956.93	1803.44	0.0
84000.000	625.00	0.0	0.0	3500.00	736.40	745.62	0.0	4.40	525.88	884.52	1487.22	0.71
84625.000	625.00	0.0	0.0	3500.00	738.20	746.69	0.0	4.19	298.74	956.85	1785.26	0.0
84625.000	625.00	0.0	0.0	3500.00	738.20	747.39	0.0	4.48	527.39	883.53	1463.38	0.70
85250.000	625.00	0.0	0.0	3500.00	740.00	748.19	0.0	3.88	241.58	671.55	1690.43	0.0
85250.000	625.00	0.0	0.0	3500.00	740.00	748.90	0.0	4.12	299.15	562.00	1443.35	0.71
86700.000	1450.00	0.0	0.0	3000.00	740.30	750.33	0.0	2.74	243.58	844.44	1923.86	0.0
86700.000	1450.00	0.0	0.0	3000.00	740.30	751.04	0.0	2.90	435.40	733.33	1550.43	0.71

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
86780.000	80.00	0.0	0.0	3000.00	739.60	750.29	0.0	8.89	582.00	623.00	337.51	0.0
86780.000	80.00	0.0	0.0	3000.00	739.60	751.04	0.0	8.15	582.00	623.00	368.18	0.75
86820.000	40.00	751.00	749.00	3000.00	739.30	752.30	0.0	4.32	175.63	884.21	893.90	0.0
86820.000	40.00	999999.00	0.0	3000.00	739.30	753.04	0.0	6.55	582.00	623.00	457.91	0.75
86900.000	80.00	0.0	0.0	3000.00	740.30	752.59	0.0	1.65	135.98	777.30	3002.83	0.0
86900.000	80.00	0.0	0.0	3000.00	740.30	753.81	0.0	1.58	251.38	625.56	2736.79	1.22
87800.000	900.00	0.0	0.0	3000.00	741.80	752.93	0.0	1.90	88.59	762.58	2772.46	0.0
87800.000	900.00	0.0	0.0	3000.00	741.80	754.08	0.0	1.83	164.77	584.48	2553.16	1.15
* 89150.000	1350.00	0.0	0.0	1300.00	747.50	754.05	754.05	7.50	1341.15	1614.58	301.71	0.0
89150.000	1350.00	0.0	0.0	1300.00	747.50	754.03	753.90	10.03	1431.91	1482.05	145.37	-0.02
* 89200.000	50.00	0.0	0.0	1300.00	749.20	755.60	755.60	7.95	1283.01	1580.66	364.86	0.0
* 89200.000	50.00	0.0	0.0	1300.00	749.20	755.75	755.75	10.34	1370.75	1451.22	198.43	0.15
89252.000	52.00	758.50	757.20	1300.00	749.20	755.60	0.0	7.94	1282.98	1580.70	365.07	0.0
* 89252.000	52.00	758.50	757.20	1300.00	749.20	756.30	0.0	5.04	1257.98	1621.87	596.62	0.70
* 89302.000	50.00	0.0	0.0	1300.00	750.10	756.61	756.61	7.70	1342.61	1612.18	290.64	0.0
* 89302.000	50.00	0.0	0.0	1300.00	750.10	756.47	756.47	10.59	1433.71	1479.64	134.03	-0.13
92350.000	3048.00	0.0	0.0	720.00	767.70	773.91	0.0	2.41	1125.30	1463.26	591.41	0.0
92350.000	3048.00	0.0	0.0	720.00	767.70	774.95	0.0	2.34	1292.79	1427.42	481.83	1.04
* 94900.000	2550.00	0.0	0.0	620.00	785.30	790.96	790.96	7.60	1128.90	1228.75	131.65	0.0
* 94900.000	2550.00	0.0	0.0	620.00	785.30	790.92	790.92	10.36	1179.13	1204.08	70.51	-0.04
96927.000	2027.00	0.0	0.0	275.00	808.90	815.50	0.0	3.52	1144.78	1197.26	117.68	0.0
96927.000	2027.00	0.0	0.0	275.00	808.90	817.05	0.0	3.32	1163.96	1182.05	105.66	1.55
* 96977.000	50.00	0.0	0.0	275.00	811.20	815.53	815.53	9.43	1234.95	1259.29	42.56	0.0
96977.000	50.00	0.0	0.0	275.00	811.20	816.72	0.0	9.75	1239.99	1249.56	38.74	1.20
97023.000	46.00	821.60	814.80	275.00	811.20	822.46	0.0	0.73	1165.90	1332.35	631.54	0.0
* 97023.000	46.00	999999.00	0.0	275.00	811.20	823.66	0.0	0.71	1206.78	1279.49	539.46	1.20
97073.000	50.00	0.0	0.0	275.00	813.00	822.46	0.0	1.21	1111.02	1233.28	363.19	0.0
97073.000	50.00	0.0	0.0	275.00	813.00	823.66	0.0	1.17	1148.88	1197.71	315.63	1.19

SUMMARY OF ERRORS

CAUTION SECNO=44580.000 PROFILE= 1 CRITICAL DEPTH ASSUMED  
CAUTION SECNO=44580.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY  
CAUTION SECNO=44580.000 PROFILE= 2 CRITICAL DEPTH ASSUMED  
CAUTION SECNO=44580.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY

CAUTION SECNO=64370.000 PROFILE= 1 CRITICAL DEPTH ASSUMED  
CAUTION SECNO=64370.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY

CAUTION SECNO=81120.000 PROFILE= 1 CRITICAL DEPTH ASSUMED  
CAUTION SECNO=81120.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY  
CAUTION SECNO=81120.000 PROFILE= 2 WSEL ASSUMED BASED ON MIN DIFF

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

T1 ROWAN COUNTY BASIN G STREAM 1 CRANE CREEK  
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918  
 T3 100 YEAR FLOODWAY

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FR
	-10.	6.	0.	0.	0.0	0.0	0.0	0.	626.470	0.0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

\*PROF 2

CCHV= 0.100 CEHV= 0.300  
 1490 NH CARD USED  
 \*SECNO 28340.000

2800 NAT Q1= 3165.73 WSEL= 625.47 ENC Q1= 3165.73 WSEL= 626.17 RATIO= 0.0  
 NAT Q1= 4399. RATIOS LOB,CH,ROB= 0.5973 0.0408 0.3619 WSEL= 626.17

SECNO	DEPTH	CWSEL	CRWS	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

3470 ENCROACHMENT STATIONS= 556.8 2521.6 TYPE= 4 TARGET= 0.280  
 28340.00 9.67 626.47 0.0 625.47 626.50 0.03 0.0 0.0 624.90  
 10100. 5919. 549. 3632. 4416. 214. 3053. 0. 0. 624.50  
 0.0 1.34 2.56 1.19 0.080 0.050 0.085 0.0 616.80 556.76  
 0.000791 28340. 28340. 28340. 0 0 0 0.0 1964.87 2521.63

\*SECNO 28440.000  
 2800 NAT Q1= 3333.79 WSEL= 625.57 ENC Q1= 3333.79 WSEL= 626.27 RATIO= -0.0000  
 NAT Q1= 4586. RATIOS LOB,CH,ROB= 0.5970 0.0403 0.3627 WSEL= 626.27

3470 ENCROACHMENT STATIONS= 547.5 2526.4 TYPE= 4 TARGET= 0.273  
 28440.00 9.75 626.55 0.0 625.57 626.58 0.03 0.08 0.00 624.90  
 10100. 5923. 539. 3638. 4540. 217. 3134. 18. 5. 624.50  
 0.02 1.30 2.49 1.16 0.080 0.050 0.085 0.050 616.80 547.55  
 0.000733 100. 100. 100. 1 0 0 0.0 1978.83 2526.38

\*SECNO 28540.000  
 2800 NAT Q1= 3491.41 WSEL= 625.66 ENC Q1= 3491.41 WSEL= 626.36 RATIO= 0.0  
 NAT Q1= 4759. RATIOS LOB,CH,ROB= 0.5968 0.0398 0.3634 WSEL= 626.36

3470 ENCROACHMENT STATIONS= 539.1 2530.8 TYPE= 4 TARGET= 0.266  
 28540.00 9.82 626.62 0.0 625.66 626.65 0.03 0.07 0.00 624.90  
 10100. 5926. 530. 3644. 4664. 219. 3215. 36. 9. 624.50

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

T1 ROWAN COUNTY BASIN 6 STREAM 1 CRANE CREEK  
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918  
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	4.	0.	0.	0.0	0.0	0.0	0.	625.470	0.0
J2	NPROF	IPLOT	PRFVS	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
NC	0.085	0.085	0.050	0.100	0.300	0.0	0.0	0.0	0.0	0.0
AT	5.000	4450.000	8100.000	10100.000	16750.000	10100.000	0.0	0.0	0.0	0.0
NH	5.000	0.085	1552.000	0.050	1600.000	0.085	1670.000	0.050	1705.000	0.085
NH	2800.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-7.400	0.0	0.0	0.0	0.0
X1	28340.000	32.000	1670.000	1705.000	28340.000	28340.000	28340.000	28340.000	0.0	0.0
GR	643.400	0.0	631.800	75.000	626.200	105.000	622.000	175.000	622.300	340.000
GR	671.600	525.000	621.700	705.000	622.400	900.000	622.100	1020.000	622.900	1140.000
GR	623.200	1487.000	624.300	1552.000	619.500	1560.000	619.200	1580.000	618.600	1592.000
GR	624.300	1600.000	623.000	1625.000	624.900	1670.000	618.400	1675.000	616.800	1685.000
GR	620.200	1690.000	624.500	1705.000	622.700	1800.000	622.500	1975.000	622.900	2160.000
GR	623.500	2305.000	621.400	2455.000	622.200	2640.000	621.200	2735.000	624.000	2755.000
GR	628.900	2770.000	633.900	2800.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	28440.000	0.0	0.0	0.0	100.000	100.000	100.000	100.000	0.0	0.0
X1	28540.000	0.0	0.0	0.0	100.000	100.000	100.000	100.000	0.0	0.0
X1	29030.000	11.000	455.000	481.000	490.000	490.000	490.000	490.000	0.0	-2.925
NC	0.085	0.085	0.065	0.100	0.300	0.0	0.0	0.0	0.0	0.0
GR	641.600	0.0	625.000	150.000	625.500	330.000	625.700	440.000	626.200	455.000
GR	620.700	460.000	621.500	480.000	626.100	481.000	625.600	535.000	635.200	700.000
GR	639.900	860.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	29520.000	0.0	0.0	0.0	490.000	490.000	490.000	490.000	0.0	0.975

X1	30010.000	0.0	0.0	0.0	490.000	490.000	490.000	0.0	0.975	0.0
X1	30500.000	0.0	0.0	0.0	490.000	490.000	490.000	0.0	0.975	0.0
QT	5.000	4350.000	8050.000	10000.000	16500.000	10000.000	0.0	0.0	0.0	0.0
X1	32000.000	14.000	835.000	870.000	1500.000	1500.000	1500.000	0.0	0.0	0.0
GR	644.300	0.0	637.200	80.000	633.200	200.000	632.900	300.000	631.000	560.000
GR	627.800	730.000	628.800	835.000	624.800	840.000	622.200	860.000	628.400	870.000
GR	627.500	980.000	626.800	1000.000	634.100	1125.000	642.500	1175.000	0.0	0.0
NC	0.0	0.0	0.0	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	4250.000	7950.000	9850.000	16000.000	9850.000	0.0	0.0	0.0	0.0
X1	33100.000	14.000	695.000	760.000	1100.000	1100.000	1100.000	0.0	0.0	0.0
GR	645.700	0.0	637.800	150.000	633.800	305.000	633.000	370.000	629.100	540.000
GR	630.500	695.000	629.300	715.000	623.400	745.000	622.900	755.000	630.200	760.000
GR	625.500	1010.000	631.100	1190.000	635.000	1265.000	641.600	1400.000	0.0	0.0
NC	0.0	0.0	0.065	0.600	0.800	0.0	0.0	0.0	0.0	0.0
X1	33180.000	0.0	0.0	0.0	80.000	80.000	80.000	0.0	0.400	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	634.800	634.800	0.0
SB	1.250	1.500	2.500	0.0	32.000	1.000	540.000	2.500	623.300	623.300
X1	33220.000	0.0	0.0	0.0	40.000	40.000	40.000	0.0	0.300	0.0
X2	0.0	0.0	1.000	633.700	634.800	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	634.800	634.800	0.0
BT	7.000	0.0	639.700	0.0	110.000	635.000	0.0	225.000	634.800	0.0
BT	485.000	635.600	0.0	568.000	635.900	0.0	750.000	636.600	0.0	815.000
BT	640.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	33300.000	15.000	665.000	706.000	80.000	80.000	80.000	0.0	0.0	0.0
GR	646.000	0.0	633.600	240.000	632.900	385.000	630.500	425.000	629.900	640.000
GR	630.800	665.000	629.000	672.000	624.500	678.000	623.600	698.000	631.000	706.000
GR	631.500	715.000	630.200	727.000	630.800	765.000	630.500	775.000	645.900	810.000
NC	0.090	0.090	0.065	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	36150.000	19.000	470.000	520.000	2850.000	2850.000	2850.000	0.0	0.0	0.0
GR	652.000	0.0	642.300	70.000	635.700	245.000	637.000	290.000	637.000	330.000
GR	636.500	420.000	637.500	470.000	636.400	475.000	630.700	480.000	629.200	490.000
GR	630.900	505.000	637.300	520.000	636.800	550.000	636.200	610.000	636.200	790.000
GR	636.100	865.000	639.600	895.000	643.100	945.000	650.600	965.000	0.0	0.0
QT	5.000	4150.000	7650.000	9200.000	15500.000	9200.000	0.0	0.0	0.0	0.0
X1	38600.000	16.000	400.000	445.000	2450.000	2450.000	2450.000	0.0	0.0	0.0
GR	660.000	0.0	649.200	140.000	643.900	180.000	643.100	205.000	642.300	215.000
GR	643.100	325.000	642.500	340.000	644.000	400.000	636.000	410.000	635.000	425.000
GR	636.000	435.000	643.700	445.000	643.200	640.000	642.900	660.000	645.800	700.000
GR	652.700	770.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	40375.000	18.000	505.000	550.000	1775.000	1775.000	1775.000	0.0	0.0	0.0
GR	661.500	0.0	652.000	90.000	650.300	140.000	651.200	160.000	649.200	165.000
GR	648.000	215.000	646.500	255.000	646.100	305.000	645.400	425.000	644.900	445.000
GR	646.800	505.000	640.000	510.000	639.100	515.000	640.000	545.000	646.100	550.000
GR	644.500	565.000	645.000	585.000	660.900	610.000	0.0	0.0	0.0	0.0
X1	42375.000	22.000	375.000	420.000	2000.000	2000.000	2000.000	0.0	0.0	0.0

GR	660.000	0.0	660.000	100.000	660.000	200.000	659.200	220.000	654.100	310.000
GR	654.900	335.000	653.000	365.000	652.200	375.000	644.500	380.000	644.800	410.000
GR	651.300	420.000	649.700	430.000	653.100	435.000	651.000	470.000	651.500	555.000
GR	652.500	585.000	651.000	605.000	652.200	680.000	652.800	870.000	655.900	940.000
GR	660.900	995.000	665.800	1020.000	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	4000.000	7150.000	8900.000	15000.000	8900.000	0.0	0.0	0.0	0.0

45200

X1	44500.000	19.000	455.000	550.000	2125.000	2125.000	2125.000	0.0	0.0	0.0
GR	668.500	0.0	666.000	65.000	657.900	145.000	655.500	195.000	654.200	455.000
GR	655.200	470.000	655.200	485.000	648.500	495.000	647.800	500.000	648.600	520.000
GR	654.500	520.000	655.500	550.000	653.300	555.000	653.300	565.000	655.800	575.000
GR	656.100	615.000	659.500	625.000	664.200	715.000	670.800	745.000	0.0	0.0
NC	0.0	0.0	0.0	0.600	0.800	0.0	0.0	0.0	0.0	0.0

45080

X1	44580.000	0.0	0.0	0.0	80.000	80.000	80.000	0.0	3.200	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	674.000	674.000	0.0
SB	1.250	1.500	2.500	0.0	60.000	3.000	855.000	0.0	651.000	651.000

*Bringle Ferry*

45320

X1	44620.000	0.0	0.0	0.0	40.000	40.000	40.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	666.000	674.000	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	674.000	674.000	0.0
BT	4.000	310.000	680.000	0.0	420.000	674.000	0.0	1220.000	674.000	0.0
BT	1300.000	680.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

43400

X1	44700.000	17.000	475.000	520.000	80.000	80.000	80.000	0.0	0.0	0.0
GR	670.200	0.0	665.900	165.000	662.100	260.000	660.200	350.000	655.100	430.000
GR	654.900	455.000	655.200	475.000	648.700	480.000	648.200	490.000	649.200	500.000
GR	653.000	505.000	655.500	520.000	655.200	545.000	658.000	610.000	660.800	625.000
GR	667.600	635.000	671.100	690.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.0	0.0	0.0	0.100	0.300	0.0	0.0	0.0	0.0	0.0
NH	5.000	0.090	470.000	0.065	515.000	0.090	915.000	0.065	955.000	0.090
NH	1000.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

*W. Woodbury*

47000

X1	47100.000	22.000	470.000	515.000	2400.000	2400.000	2400.000	0.0	0.0	0.0
GR	682.000	0.0	679.000	35.000	666.600	305.000	663.800	420.000	665.700	455.000
GR	666.200	470.000	658.800	480.000	658.400	500.000	664.000	505.000	666.200	515.000
GR	665.700	525.000	665.500	600.000	665.100	755.000	666.200	890.000	665.300	915.000
GR	657.200	915.000	658.100	925.000	658.100	935.000	662.800	940.000	665.100	955.000
GR	666.500	965.000	679.100	1000.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.090	0.090	0.065	0.100	0.300	0.0	0.0	0.0	0.0	0.0

2500

2500

2500

49500

X1	48700.000	19.000	330.000	368.000	1600.000	1600.000	1600.000	0.0	0.0	0.0
GR	684.300	0.0	672.300	75.000	668.500	135.000	668.900	225.000	670.300	330.000
GR	662.800	340.000	661.800	350.000	662.500	364.000	669.400	368.000	670.100	395.000
GR	668.900	470.000	669.700	480.000	670.700	540.000	668.800	590.000	672.600	770.000
GR	675.500	1095.000	676.700	1275.000	679.200	1350.000	690.000	1500.000	0.0	0.0
NC	0.085	0.085	0.0	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	3750.000	6800.000	8300.000	13750.000	8300.000	0.0	0.0	0.0	0.0

*Corp. Limited*

X1	50760.000	17.000	445.000	485.000	2000.000	2000.000	2000.000	0.0	0.0	0.0
GR	685.500	0.0	685.500	100.000	685.500	200.000	676.500	300.000	676.300	345.000
GR	675.800	408.000	676.200	439.000	675.700	445.000	669.300	450.000	669.000	465.000
GR	669.100	480.000	676.100	485.000	675.800	535.000	675.000	590.000	674.000	625.000
GR	674.900	710.000	704.700	062.000	0.0	0.0	0.0	0.0	0.0	0.0

49600

X1	53150.000	18.000	965.000	1000.000	2450.000	2450.000	2450.000	0.0	0.0	0.0
GR	713.900	0.0	714.200	15.000	710.100	25.000	702.600	125.000	698.200	175.000
GR	691.000	385.000	688.000	450.000	679.900	730.000	679.200	820.000	678.900	840.000

GR	678.800	900.000	679.200	950.000	679.100	965.000	671.800	975.000	672.200	995.000
GR	679.500	1000.000	682.100	1155.000	702.500	1220.000	0.0	0.0	0.0	0.0
NC	0.090	0.090	0.065	0.100	0.300	0.0	0.0	0.0	0.0	0.0

5910

X1	55000.000	16.000	335.000	370.000	1850.000	1850.000	1850.000	0.0	0.0	0.0
GR	705.900	0.0	698.000	90.000	686.400	140.000	686.300	155.000	686.100	183.000
GR	686.200	241.000	686.200	271.000	686.200	325.000	686.100	335.000	678.700	345.000
GR	678.200	355.000	678.800	365.000	684.700	370.000	688.900	382.000	695.800	388.000
GR	700.700	408.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	3600.000	6450.000	8100.000	13200.000	8100.000	0.0	0.0	0.0	0.0

59100

X1	57300.000	17.000	460.000	530.000	2300.000	2300.000	2300.000	0.0	0.0	0.0
GR	710.000	0.0	700.000	185.000	699.200	215.000	694.100	270.000	691.900	345.000
GR	691.400	395.000	691.900	440.000	691.800	460.000	691.100	485.000	684.000	490.000
GR	683.900	500.000	684.900	520.000	691.100	530.000	695.600	700.000	696.100	750.000
GR	699.900	845.000	704.900	920.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.0	0.0	0.0	0.600	0.800	0.0	0.0	0.0	0.0	0.0

58180

X1	57300.000	0.0	0.0	0.0	80.000	80.000	80.000	0.0	1.100	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	697.200	697.200	0.0
SB	1.250	1.500	2.500	0.0	31.000	2.000	619.000	1.900	685.000	685.000

*Slopes Jerry Road*

58220

X1	57420.000	0.0	0.0	0.0	40.000	40.000	40.000	0.0	-1.300	0.0
X2	0.0	0.0	1.000	695.600	697.200	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	697.200	697.200	0.0
BT	7.000	0.0	708.600	0.0	210.000	699.700	0.0	300.000	697.800	0.0
BT	400.000	697.300	0.0	470.000	697.200	0.0	590.000	697.800	0.0	920.000
BT	706.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

58350

X1	57500.000	13.000	255.000	295.000	80.000	80.000	80.000	0.0	0.0	0.0
GR	706.700	0.0	695.400	90.000	693.000	145.000	692.000	255.000	684.300	260.000
GR	683.100	280.000	689.100	285.000	690.200	360.000	690.600	390.000	691.800	480.000
GR	693.800	590.000	698.000	690.000	706.300	830.000	0.0	0.0	0.0	0.0
QT	5.000	3550.000	6400.000	7900.000	13000.000	7900.000	0.0	0.0	0.0	0.0

59410

*Corp Limits 58350*

X1	58600.000	20.000	425.000	520.000	1100.000	1100.000	1100.000	0.0	0.0	0.0
GR	708.500	0.0	701.100	170.000	698.000	185.000	694.200	335.000	695.800	418.000
GR	695.200	425.000	685.600	445.000	685.500	459.000	686.100	465.000	688.200	470.000
GR	690.200	480.000	690.200	500.000	693.600	510.000	694.500	520.000	694.100	550.000
GR	693.900	685.000	696.800	730.000	699.000	770.000	705.000	830.000	709.200	885.000

58680

X1	58680.000	0.0	0.0	0.0	80.000	80.000	80.000	0.0	-1.300	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	700.000	700.000	0.0
SB	0.0	1.500	3.000	0.0	35.000	0.0	540.000	0.810	686.800	686.800

*Limbs Blvd*

58700

X1	58700.000	27.000	430.000	430.000	20.000	20.000	20.000	0.0	-1.300	0.0
X2	0.0	0.0	1.000	697.000	700.000	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	700.000	700.000	0.0
BT	9.000	0.0	706.500	0.0	10.000	706.100	0.0	100.000	703.400	0.0
BT	200.000	703.300	0.0	430.000	700.100	697.000	480.000	700.100	697.000	800.000
BT	701.600	0.0	880.000	704.000	0.0	980.000	708.500	0.0	0.0	0.0
GR	708.500	0.0	707.500	10.000	704.000	100.000	701.100	170.000	698.000	185.000
GR	697.800	200.000	694.200	335.000	695.800	418.000	695.200	425.000	695.500	430.000
GR	685.600	445.000	685.500	459.000	686.100	465.000	688.200	470.000	690.200	480.000
GR	690.200	500.000	693.600	510.000	694.500	520.000	694.100	550.000	693.900	685.000
GR	696.800	730.000	699.000	770.000	702.000	800.000	705.000	830.000	708.700	880.000
GR	709.200	885.000	716.500	980.000	0.0	0.0	0.0	0.0	0.0	0.0

62100

X1	58800.000	26.000	245.000	280.000	100.000	100.000	100.000	0.0	0.0	0.0
GR	706.200	0.0	702.000	115.000	702.000	128.000	693.900	209.000	693.500	235.000
GR	693.000	245.000	690.900	249.000	686.100	250.000	685.500	275.000	692.200	280.000
GR	693.300	315.000	693.000	330.000	693.100	348.000	693.300	375.000	693.200	395.000
GR	693.400	410.000	693.300	430.000	694.100	440.000	694.000	450.000	694.100	495.000
GR	694.200	635.000	694.700	725.000	693.300	748.000	693.300	775.000	695.500	870.000
GR	706.700	900.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.080	0.080	0.065	0.100	0.300	0.0	0.0	0.0	0.0	0.0

62200

3190

X1	62100.000	26.000	580.000	605.000	3300.000	3300.000	3300.000	0.0	0.0	0.0
GR	717.600	0.0	711.000	100.000	704.300	200.000	700.500	261.000	698.000	345.000
GR	697.400	430.000	697.000	450.000	697.100	490.000	698.700	510.000	697.700	570.000
GR	698.300	580.000	691.200	585.000	690.700	592.000	690.900	602.000	696.600	605.000
GR	698.000	710.000	696.900	740.000	698.700	795.000	697.400	835.000	697.000	920.000
GR	701.300	1170.000	706.200	1335.000	706.500	1400.000	709.000	1420.000	710.700	1440.000
GR	712.900	1550.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

62300

X1	62700.000	40.000	850.000	1150.000	600.000	600.000	600.000	0.0	8.500	0.0
GR	708.000	0.0	707.100	50.000	705.700	100.000	703.700	150.000	702.600	200.000
GR	700.700	250.000	699.200	300.000	697.400	350.000	697.400	400.000	697.000	450.000
GR	696.800	500.000	696.200	550.000	695.700	600.000	695.400	650.000	695.100	700.000
GR	695.100	750.000	695.200	800.000	695.900	850.000	693.200	900.000	690.600	950.000
GR	691.700	983.000	685.000	986.000	684.200	1000.000	685.600	1014.000	695.100	1019.000
GR	695.100	1050.000	691.000	1100.000	691.400	1150.000	691.500	1200.000	691.600	1250.000
GR	691.600	1300.000	691.900	1350.000	691.700	1400.000	691.700	1450.000	692.000	1500.000
GR	692.800	1550.000	700.900	1600.000	705.000	1700.000	706.300	1800.000	708.000	1940.000
NC	0.080	0.080	0.065	0.600	0.800	0.0	0.0	0.0	0.0	0.0

62380

X1	62780.000	0.0	0.0	0.0	80.000	80.000	80.000	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	709.000	709.000	0.0
SB	0.950	1.500	3.000	0.0	30.000	15.000	1960.000	7.100	692.800	692.800

*Southern Railroad*

62570

X1	62820.000	40.000	850.000	1150.000	40.000	40.000	40.000	0.0	8.500	0.0
X2	0.0	0.0	1.000	706.800	709.000	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	709.000	709.000	0.0
BT	3.000	0.0	722.700	0.0	950.000	709.400	0.0	1050.000	709.000	0.0
BT	1150.000	709.000	0.0	1203.000	709.000	0.0	1250.000	709.100	0.0	1600.000
BT	713.200	0.0	1940.000	716.500	0.0	0.0	0.0	0.0	0.0	0.0
GR	708.000	0.0	707.100	50.000	705.700	100.000	703.700	150.000	702.600	200.000
GR	700.700	250.000	699.200	300.000	697.400	350.000	697.400	400.000	697.000	450.000
GR	696.800	500.000	696.200	550.000	695.700	600.000	695.400	650.000	695.100	700.000
GR	695.100	750.000	695.200	800.000	695.900	850.000	693.200	900.000	690.600	950.000
GR	691.700	983.000	685.000	986.000	684.200	1000.000	685.600	1014.000	695.100	1019.000
GR	691.500	1050.000	691.000	1100.000	691.400	1150.000	691.500	1200.000	691.600	1250.000
GR	691.600	1300.000	691.900	1350.000	691.700	1400.000	691.700	1450.000	692.000	1500.000
GR	692.800	1550.000	700.900	1600.000	705.000	1700.000	706.300	1800.000	708.000	1940.000

62600

X1	62900.000	37.000	834.000	967.000	80.000	80.000	80.000	0.0	8.500	0.0
GR	709.000	0.0	706.700	50.000	703.600	100.000	701.800	150.000	700.600	200.000
GR	700.100	250.000	698.700	300.000	698.500	350.000	697.900	400.000	697.200	450.000
GR	696.200	500.000	695.000	550.000	694.400	600.000	694.200	650.000	693.400	700.000
GR	692.900	750.000	692.300	800.000	691.800	850.000	692.200	900.000	692.000	934.000
GR	686.700	937.000	685.500	950.000	685.200	963.000	692.800	967.000	691.100	1000.000
GR	691.400	1050.000	691.500	1100.000	691.600	1150.000	692.200	1200.000	692.000	1250.000
GR	693.100	1300.000	694.000	1350.000	696.000	1400.000	699.300	1450.000	700.000	1500.000
GR	702.500	1600.000	705.000	1700.000	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	3075.000	5350.000	6700.000	10750.000	6700.000	0.0	0.0	0.0	0.0

62600

1400

X1	64250.000	19.000	1000.000	1020.000	1350.000	1350.000	1350.000	0.0	0.0	0.0
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GR	715.000	0.0	710.500	350.000	707.800	490.000	708.500	510.000	710.400	550.000
GR	706.200	575.000	703.300	695.000	702.300	970.000	703.500	995.000	702.900	1000.000
GR	696.700	1005.000	696.500	1025.000	703.000	1030.000	703.400	1035.000	703.000	1050.000
GR	703.400	1125.000	707.400	1230.000	715.800	1320.000	709.100	1335.000	0.0	0.0
NC	0.0	0.0	0.0	0.600	0.800	0.0	0.0	0.0	0.0	0.0

65080

X1	64330.000	0.0	0.0	0.0	80.000	80.000	80.000	0.0	0.500	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	707.100	707.100	0.0
SB	0.0	1.500	3.000	0.0	32.000	0.0	910.000	0.690	697.000	697.000

65120

NCGR 2300

X1	64370.000	23.000	990.000	1035.000	40.000	40.000	40.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	707.200	707.100	0.0	0.0	0.0	0.0	0.0
BT	9.000	0.0	724.200	0.0	350.000	716.700	0.0	745.000	707.200	0.0
ST	803.000	707.100	0.0	945.000	709.000	0.0	990.000	709.200	707.200	1035.000
BT	709.200	707.200	1085.000	710.000	0.0	1335.000	720.000	0.0	0.0	0.0
GR	715.000	0.0	710.500	350.000	707.800	490.000	708.500	510.000	710.400	550.000
GR	706.200	575.000	703.300	695.000	703.100	745.000	703.000	803.000	702.500	945.000
GR	702.300	970.000	703.300	990.000	702.900	1000.000	697.000	1005.000	697.000	1025.000
GR	703.000	1030.000	703.400	1035.000	703.000	1050.000	703.100	1085.000	703.400	1125.000
GR	707.400	1230.000	715.800	1320.000	709.100	1335.000	0.0	0.0	0.0	0.0
NC	0.085	0.085	0.085	0.100	0.300	0.0	0.0	0.0	0.0	0.0

65100

X1	64450.000	21.000	1695.000	1728.000	80.000	80.000	80.000	0.0	0.0	0.0
GR	716.000	700.000	712.500	950.000	709.500	1200.000	708.100	1210.000	705.500	1270.000
GR	707.800	1360.000	702.900	1480.000	703.300	1510.000	703.500	1595.000	703.000	1633.000
GR	702.000	1650.000	703.100	1675.000	703.200	1695.000	698.400	1698.000	697.100	1710.000
GR	698.300	1717.000	703.900	1728.000	706.500	1745.000	706.600	1760.000	710.300	1815.000
GR	719.800	1895.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	3050.000	5300.000	6600.000	10500.000	6600.000	0.0	0.0	0.0	0.0

X1	65600.000	19.000	670.000	710.000	1150.000	1150.000	1150.000	0.0	0.0	0.0
GR	719.400	0.0	714.500	120.000	712.000	230.000	710.900	360.000	707.900	437.000
GR	707.800	515.000	705.800	585.000	706.000	610.000	705.800	650.000	706.500	670.000
GR	698.500	678.000	698.300	690.000	699.300	700.000	708.600	710.000	710.400	720.000
GR	712.700	780.000	712.700	840.000	711.400	860.000	721.800	880.000	0.0	0.0
NC	0.0	0.0	0.0	0.600	0.800	0.0	0.0	0.0	0.0	0.0

X1	65675.000	0.0	0.0	0.0	75.000	75.000	75.000	0.0	0.800	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	711.200	711.200	0.0
SB	0.0	1.500	3.000	0.0	22.000	0.0	430.000	0.890	699.100	699.100
NC	0.090	0.090	0.065	0.600	0.800	0.0	0.0	0.0	0.0	0.0

X1	65725.000	22.000	655.000	705.000	50.000	50.000	50.000	0.0	0.300	0.0
X2	0.0	0.0	1.000	710.200	711.200	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	711.200	711.200	0.0
BT	8.000	0.0	721.100	0.0	95.000	717.300	0.0	210.000	713.900	0.0
BT	400.000	711.300	0.0	500.000	711.200	0.0	655.000	712.100	710.200	705.000
BT	712.100	710.200	910.000	716.300	0.0	0.0	0.0	0.0	0.0	0.0
GR	720.700	0.0	717.900	60.000	716.300	95.000	714.800	135.000	713.100	210.000
GR	711.400	285.000	708.100	340.000	707.700	400.000	706.900	485.000	707.000	500.000
GR	707.100	575.000	704.500	605.000	706.100	625.000	705.700	655.000	698.800	665.000
GR	699.100	682.000	705.600	690.000	705.900	705.000	706.200	725.000	710.200	805.000
GR	715.200	865.000	720.300	910.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	65800.000	18.000	655.000	690.000	75.000	75.000	75.000	0.0	0.100	0.0
GR	720.700	0.0	717.900	60.000	716.300	95.000	714.800	135.000	711.400	285.000
GR	708.100	340.000	706.900	485.000	707.100	575.000	704.500	605.000	706.100	625.000
GR	705.700	655.000	699.800	665.000	699.200	682.000	705.600	690.000	706.200	725.000
GR	710.200	805.000	715.200	865.000	720.300	910.000	0.0	0.0	0.0	0.0

X1	67900.000	29.000	955.000	985.000	2100.000	2100.000	2100.000	0.0	0.0	0.0
GR	723.600	0.0	718.900	85.000	720.500	130.000	718.100	200.000	720.200	215.000
GR	720.200	240.000	717.200	250.000	716.700	315.000	714.500	390.000	713.100	620.000
GR	714.000	770.000	715.000	790.000	715.000	820.000	714.000	838.000	710.800	850.000
GR	710.300	885.000	710.700	905.000	711.300	945.000	710.700	955.000	704.500	960.000
GR	705.000	978.000	710.400	985.000	710.100	1045.000	710.100	1075.000	710.400	1105.000
GR	714.400	1145.000	718.000	1200.000	717.500	1250.000	725.500	1345.000	0.0	0.0
NC	0.085	0.085	0.065	0.600	0.800	0.0	0.0	0.0	0.0	0.0
QT	5.000	2850.000	5000.000	6200.000	9900.000	6200.000	0.0	0.0	0.0	0.0

X1	70400.000	19.000	510.000	615.000	2500.000	2500.000	2500.000	0.0	0.0	0.0
GR	728.500	0.0	724.000	100.000	724.000	200.000	721.900	265.000	714.000	320.000
GR	714.500	420.000	714.000	439.000	713.000	510.000	714.300	575.000	711.000	583.000
GR	707.800	587.000	707.000	598.000	708.300	605.000	714.300	615.000	715.100	625.000
GR	718.800	638.000	718.900	649.000	724.000	660.000	728.500	678.000	0.0	0.0
NC	0.0	0.0	0.0	0.600	0.800	0.0	0.0	0.0	0.0	0.0

X1	70470.000	0.0	0.0	0.0	70.000	70.000	70.000	0.0	2.500	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	722.900	722.900	0.0
SB	1.050	1.500	2.500	0.0	52.000	4.000	735.000	2.700	709.500	709.500

X1	70530.000	0.0	0.0	0.0	60.000	60.000	60.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	720.400	722.900	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	722.900	722.900	0.0
BT	6.000	0.0	728.500	0.0	100.000	724.000	0.0	532.000	722.900	0.0
BT	650.000	722.900	0.0	835.000	723.800	0.0	1010.000	728.500	0.0	0.0

X1	70600.000	28.000	905.000	949.000	70.000	70.000	70.000	0.0	0.0	0.0
GR	735.000	0.0	719.500	100.000	719.500	200.000	713.600	325.000	713.100	395.000
GR	714.400	490.000	714.700	530.000	715.000	625.000	713.900	650.000	714.700	695.000
GR	714.700	825.000	715.500	905.000	707.200	910.000	707.700	920.000	709.500	930.000
GR	712.500	935.000	712.700	945.000	714.800	949.000	715.100	1000.000	714.200	1040.000
GR	714.500	1055.000	714.700	1110.000	714.300	1135.000	714.300	1180.000	714.300	1245.000
GR	715.800	1315.000	723.300	1345.000	740.000	1400.000	0.0	0.0	0.0	0.0
NC	0.0	0.0	0.0	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	72300.000	19.000	929.000	969.000	1700.000	1700.000	1700.000	0.0	0.0	0.0
GR	742.400	0.0	740.700	130.000	730.000	350.000	723.400	525.000	721.800	665.000
GR	717.800	710.000	717.800	772.000	717.500	850.000	717.100	929.000	711.000	934.000
GR	710.600	940.000	716.000	963.000	717.800	969.000	718.000	989.000	719.400	1025.000
GR	723.500	1100.000	728.000	1130.000	731.400	1200.000	740.900	1300.000	0.0	0.0

X1	75200.000	15.000	195.000	225.000	2900.000	2900.000	2900.000	0.0	0.0	0.0
GR	731.100	0.0	726.200	75.000	722.400	180.000	722.800	195.000	718.500	200.000
GR	718.700	210.000	718.500	220.000	723.500	225.000	724.000	275.000	724.200	280.000
GR	722.900	335.000	725.000	360.000	727.200	390.000	731.700	400.000	735.500	420.000
NH	5.000	0.090	425.000	0.065	442.000	0.090	540.000	0.065	565.000	0.090
NH	845.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	2250.000	3900.000	4800.000	7600.000	4800.000	0.0	0.0	0.0	0.0

X1	77200.000	22.000	425.000	442.000	2000.000	2000.000	2000.000	0.0	0.0	0.0
GR	746.200	0.0	746.200	100.000	733.000	200.000	728.100	325.000	728.900	350.000
GR	727.600	370.000	726.300	379.000	725.500	400.000	725.600	425.000	721.100	428.000
GR	721.300	440.000	725.800	442.000	725.900	495.000	726.800	540.000	721.100	545.000
GR	720.500	552.000	720.100	559.000	727.500	565.000	729.500	640.000	731.400	730.000
GR	733.500	760.000	746.200	845.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.0	0.0	0.0	0.600	0.800	0.0	0.0	0.0	0.0	0.0

X1	77280.000	0.0	0.0	0.0	80.000	80.000	80.000	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	729.600	729.600	0.0
NC	0.020	0.020	0.020	0.600	0.800	0.0	0.0	0.0	0.0	0.0

X1	77285.000	16.000	490.000	508.000	5.000	5.000	5.000	0.0	0.0	0.0
BT	9.000	0.0	739.000	0.0	100.000	736.100	0.0	200.000	734.700	0.0
BT	400.000	731.700	0.0	490.000	730.200	728.400	508.000	730.200	728.400	640.000
BT	729.700	728.100	660.000	729.900	728.300	930.000	742.000	0.0	0.0	0.0
GR	739.000	0.0	736.100	100.000	734.700	200.000	733.000	300.000	731.700	400.000
GR	730.200	490.000	722.300	490.000	721.200	500.000	721.900	508.000	730.200	508.000
GR	729.700	640.000	720.700	640.000	719.400	650.000	720.100	660.000	729.900	660.000
GR	742.000	930.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	77315.000	0.0	0.0	0.0	30.000	30.000	30.000	0.0	0.0	0.0
X2	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0
NH	5.000	0.090	492.000	0.065	510.000	0.090	641.000	0.065	660.000	0.090
NH	910.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	77320.000	21.000	492.000	510.000	5.000	5.000	5.000	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	729.600	729.600	0.0
GR	736.800	0.0	735.300	90.000	735.000	100.000	733.000	150.000	731.800	330.000
GR	728.500	450.000	726.500	492.000	722.200	497.000	721.000	503.000	721.500	509.000
GR	725.900	510.000	726.100	545.000	725.100	555.000	725.100	632.000	726.000	641.000
GR	721.000	650.000	720.900	660.000	727.800	668.000	733.200	785.000	734.900	820.000
GR	740.500	910.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	77400.000	20.000	492.000	510.000	80.000	80.000	80.000	0.0	0.0	0.0
GR	736.800	0.0	735.300	90.000	733.000	150.000	731.800	330.000	728.500	450.000
GR	726.500	492.000	722.200	497.000	721.000	503.000	721.500	509.000	725.900	510.000
GR	726.100	545.000	725.100	555.000	725.100	632.000	726.000	641.000	721.000	650.000
GR	720.900	660.000	727.800	668.000	733.200	785.000	734.900	820.000	740.500	910.000
NC	0.0	0.0	0.0	0.100	0.300	0.0	0.0	0.0	0.0	0.0
NH	5.000	0.090	510.000	0.065	530.000	0.090	715.000	0.065	740.000	0.090
NH	850.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	78320.000	17.000	510.000	530.000	920.000	920.000	920.000	0.0	0.0	0.0
GR	746.200	0.0	736.000	135.000	730.500	435.000	729.000	510.000	723.200	511.000
GR	723.700	525.000	728.800	530.000	728.300	600.000	727.300	690.000	731.600	715.000
GR	725.500	725.000	725.300	730.000	725.600	735.000	732.600	740.000	733.700	785.000
GR	742.500	840.000	746.000	850.000	0.0	0.0	0.0	0.0	0.0	0.0
NH	5.000	0.090	460.000	0.065	490.000	0.090	1000.000	0.065	1015.000	0.090
NH	1335.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	79420.000	22.000	460.000	490.000	1100.000	1100.000	1100.000	0.0	0.0	0.0
GR	743.300	0.0	740.200	45.000	731.900	460.000	726.200	465.000	725.500	470.000
GR	726.300	480.000	728.900	483.000	732.100	490.000	731.200	520.000	730.500	650.000
GR	730.200	715.000	730.400	805.000	730.400	895.000	731.000	1000.000	726.700	1003.000
GR	726.200	1010.000	731.100	1015.000	729.900	1040.000	730.200	1160.000	729.500	1215.000
GR	735.300	1255.000	748.000	1335.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.080	0.080	0.065	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	1775.000	3000.000	3775.000	5000.000	3775.000	0.0	0.0	0.0	0.0

X1	81920.000	19.000	960.000	992.000	1580.000	1580.000	1580.000	0.0	0.0	0.0
GR	752.600	0.0	749.100	25.000	737.300	160.000	737.000	210.000	736.000	380.000
GR	735.800	595.000	735.900	630.000	734.700	750.000	734.100	835.000	734.100	960.000
GR	727.800	963.000	727.500	970.000	727.900	988.000	734.900	992.000	732.900	1105.000
GR	735.900	1235.000	740.700	1260.000	747.000	1275.000	752.000	1310.000	0.0	0.0

start here

81920

81920

81920

	0.0	0.0	0.0	0.600	0.800	0.0	0.0	0.0	0.0	0.0
X1	82000									
X1	81080.000	0.0	0.0	0.0	80.000	80.000	80.000	0.0	-0.200	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	738.700	738.700	0.0
SB	0.0	1.500	2.500	0.0	20.000	0.0	330.000	0.760	727.700	728.300

	82040									
X1	81120.000	23.000	785.000	815.000	40.000	40.000	40.000	0.0	-0.200	0.0
X2	0.0	0.0	1.000	737.900	738.700	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	738.700	738.700	0.0
BT	6.000	145.000	741.000	0.0	660.000	738.700	0.0	785.000	740.000	737.900
BT	815.000	739.800	737.900	970.000	740.200	0.0	1215.000	750.500	0.0	0.0
GR	749.400	0.0	749.100	10.000	740.400	40.000	740.100	65.000	741.000	145.000
GR	738.800	265.000	738.900	285.000	735.800	410.000	737.500	455.000	734.900	665.000
GR	733.100	785.000	730.500	795.000	728.000	798.000	727.500	808.000	730.200	809.000
GR	733.600	815.000	734.300	925.000	734.200	970.000	734.000	1060.000	736.700	1065.000
GR	738.000	1085.000	740.600	1150.000	747.000	1215.000	0.0	0.0	0.0	0.0
NC	0.080	0.080	0.065	0.100	0.300	0.0	0.0	0.0	0.0	0.0

	82120									
X1	81200.000	22.000	785.000	815.000	80.000	80.000	80.000	0.0	0.0	0.0
GR	749.400	0.0	749.100	10.000	740.400	40.000	740.100	65.000	741.000	145.000
GR	738.800	265.000	738.900	285.000	735.800	410.000	737.500	455.000	734.900	665.000
GR	733.100	785.000	730.500	795.000	728.000	798.000	727.500	808.000	730.200	809.000
GR	733.600	815.000	734.300	925.000	734.000	1060.000	736.700	1065.000	738.000	1085.000
GR	740.600	1150.000	747.000	1215.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.0	0.0	0.0	0.100	0.300	0.0	0.0	0.0	0.0	0.0

	84350				2230	2230	2230			
X1	83375.000	14.000	722.000	740.000	2175.000	2175.000	2175.000	0.0	0.0	0.0
GR	750.000	0.0	748.100	52.000	744.300	295.000	743.000	299.000	743.000	335.000
GR	739.500	525.000	740.000	710.000	739.800	722.000	735.500	725.000	734.600	730.000
GR	735.400	735.000	740.000	740.000	740.000	948.000	752.200	983.000	0.0	0.0
NC	0.090	0.090	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	1650.000	2800.000	3500.000	5300.000	3500.000	0.0	0.0	0.0	0.0

	84998				638	638	638			
X1	84000.000	0.0	0.0	0.0	625.000	625.000	625.000	0.0	1.800	0.0

	85624				636	636	636			
X1	84625.000	0.0	0.0	0.0	625.000	625.000	625.000	0.0	1.800	0.0

	86260				636	636	636			
X1	85250.000	15.000	339.000	358.000	625.000	625.000	625.000	0.0	0.0	0.0
GR	755.700	0.0	755.700	100.000	750.300	200.000	744.200	320.000	743.000	339.000
GR	740.000	340.000	740.000	348.000	740.300	353.000	743.500	358.000	743.500	550.000
GR	743.900	570.000	745.000	640.000	747.400	665.000	752.800	710.000	755.700	730.000
NC	0.080	0.080	0.065	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	1450.000	2375.000	3000.000	4450.000	3000.000	0.0	0.0	0.0	0.0

	87470				1210	1210	1210			
X1	86700.000	17.000	582.000	623.000	1450.000	1450.000	1450.000	0.0	0.0	0.0
GR	759.500	0.0	754.000	150.000	749.300	270.000	748.000	368.000	745.000	520.000
GR	746.200	545.000	746.200	582.000	744.300	592.000	740.600	597.000	740.300	605.000
GR	741.000	612.000	744.900	620.000	746.200	623.000	747.700	740.000	748.900	823.000
GR	757.600	953.000	762.000	1010.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.0	0.0	0.0	0.600	0.800	0.0	0.0	0.0	0.0	0.0

	87550									
X1	86780.000	0.0	0.0	0.0	80.000	80.000	80.000	0.0	-0.700	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	751.000	751.000	0.0
SB	0.0	1.500	2.500	0.0	30.000	0.0	410.000	1.080	741.000	741.000

	87590									
X1	86820.000	19.000	582.000	623.000	40.000	40.000	40.000	0.0	-0.700	0.0

X2	0.0	0.0	1.000	749.000	751.000	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	751.000	751.000	0.0
BT	6.000	0.0	755.700	0.0	15.000	755.200	0.0	582.000	750.900	749.000
BT	623.000	750.900	749.000	795.000	751.900	0.0	1010.000	761.300	0.0	0.0
GR	759.500	0.0	759.000	15.000	754.000	150.000	749.300	270.000	758.000	368.000
GR	745.000	520.000	746.200	545.000	746.200	582.000	744.300	592.000	740.600	597.000
GR	740.300	605.000	740.000	612.000	744.900	620.000	746.200	623.000	747.700	740.000
GR	748.500	795.000	748.900	823.000	757.600	953.000	762.000	1010.000	0.0	0.0
NC	0.080	0.080	0.065	0.100	0.300	0.0	0.0	0.0	0.0	0.0

87670

X1	86900.000	14.000	425.000	445.000	80.000	80.000	30.000	0.0	0.0	0.0
GR	760.900	0.0	754.700	100.000	750.000	180.000	746.700	295.000	747.200	425.000
GR	740.800	430.000	740.300	435.000	740.600	442.000	745.500	445.000	746.200	532.000
GR	747.000	560.000	747.200	590.000	751.500	765.000	756.800	825.000	760.900	905.000
NC	0.085	0.085	0.065	0.100	0.300	0.0	0.0	0.0	0.0	0.0

88800

X1	87800.000	17.000	270.000	298.000	900.000	900.000	900.000	0.0	0.0	0.0
GR	760.300	0.0	756.100	40.000	748.600	155.000	748.400	220.000	747.500	270.000
GR	742.200	275.000	741.900	280.000	741.800	285.000	746.800	290.000	748.500	298.000
GR	748.100	330.000	748.300	555.000	750.200	665.000	750.000	735.000	758.500	815.000
GR	761.100	885.000	763.000	890.000	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	680.000	1050.000	1300.000	1850.000	1300.000	0.0	0.0	0.0	0.0

90105

X1	89150.000	15.000	1442.000	1470.000	1350.000	1350.000	1350.000	0.0	-2.600	0.0
GR	768.300	1000.000	763.700	1100.000	758.800	1200.000	757.800	1300.000	755.000	1400.000
GR	755.400	1442.000	751.300	1451.000	750.500	1456.000	750.100	1461.000	755.800	1470.000
GR	756.000	1500.000	756.400	1600.000	758.100	1700.000	762.600	1800.000	764.700	1830.000

90155

X1	89200.000	19.000	1400.300	1413.800	50.000	50.000	50.000	0.0	0.0	0.0
GR	767.200	1000.000	762.400	1051.000	757.500	1151.010	756.500	1251.000	753.700	1351.000
GR	754.100	1393.000	751.400	1400.300	750.000	1401.000	749.400	1404.000	749.200	1407.000
GR	749.400	1410.000	750.000	1413.000	751.400	1413.800	754.500	1421.000	754.700	1451.000
GR	755.100	1551.000	756.800	1651.000	761.300	1751.000	763.700	1800.000	0.0	0.0
SB	0.900	1.500	2.500	0.0	13.500	0.010	88.000	0.0	0.0	0.0

90207

X1	89252.000	0.0	0.0	0.0	52.000	52.000	52.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	757.200	0.0	0.0	0.0	0.0	0.0	0.0
BT	15.000	1000.000	767.200	0.0	1100.000	762.500	0.0	1200.000	759.600	0.0
BT	1300.000	758.600	0.0	1400.300	759.200	751.400	1401.000	759.200	753.500	1404.000
BT	759.200	756.400	1407.000	759.200	757.200	1410.000	759.200	756.400	1413.000	759.200
BT	753.500	1413.000	759.200	751.400	1500.000	758.500	0.0	1600.000	759.000	0.0
BT	1700.000	760.600	0.0	1800.000	763.700	0.0	0.0	0.0	0.0	0.0

90257

X1	89302.000	15.000	1442.000	1470.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	768.300	1000.000	763.700	1100.000	758.800	1200.000	757.800	1300.000	755.000	1400.000
GR	755.400	1442.000	751.300	1451.000	750.500	1456.000	750.100	1461.000	755.800	1470.000
GR	756.000	1500.000	756.400	1600.000	758.100	1700.000	762.600	1800.000	764.700	1830.000
QT	5.000	390.000	620.000	720.000	1100.000	720.000	0.0	0.0	0.0	0.0

93500

X1	92350.000	12.000	1400.000	1413.000	3048.000	3048.000	3048.000	0.0	0.0	0.0
GR	778.900	1000.000	774.300	1100.000	772.800	1200.000	771.400	1300.000	772.200	1400.000
GR	767.800	1403.000	767.700	1408.000	767.800	1412.000	770.600	1413.000	774.300	1469.000
GR	781.100	1500.000	787.500	1530.000	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	310.000	480.000	620.000	860.000	620.000	0.0	0.0	0.0	0.0

96000

X1	94900.000	11.000	1189.000	1200.000	2550.000	2550.000	2550.000	0.0	0.0	0.0
GR	807.300	1000.000	793.700	1100.000	790.100	1138.000	789.400	1189.000	785.600	1190.000
GR	785.300	1194.000	785.700	1198.000	790.100	1200.000	793.100	1300.000	803.400	1400.000



// JOB, M KEZIAH, P=1  
 // LIST JOB  
 // NOP

CRANE CR.-ROWAN CO.N.C.S.F.H.I.REPORT.CROSS SECTION PLOT FOR M.G.AND A. T14-6-76.PROJ.CRANE CR..ROWAN COUNTY S.H.F.I.REPORT.NR.SALISBURY N.C..SUBJ.2,10, T250,100,AND 500-YR.FLOOD FRFQ.PROFILES EXIST.CONDS,100-YR.FLOODWAY PROFILE. T3 CRANE C R 2-YR.FLOOD EXISTING CONDITIONS.CODING BY S.P.F.&C.E.K. CORPS										
J1	2									624.1
J2	1	-1	-5	-100						
NC	.085	.085	.050	.1	.3					
QT	6	2900	6300	12500	15000	15000	28000			
NH	5	.085	1552	.05	1600	.085	1670	.05	1705	.085
NH	2800									
X1	1	32	1670	1705						
GR	643.4	0	631.8	75	626.2	105	622.0	175	622.3	340
GR	621.6	525	621.7	705	622.4	900	622.1	1020	622.9	1140
GR	623.2	1487	624.3	1552	619.5	1560	619.2	1580	618.6	1592
GR	624.3	1600	623.0	1625	624.9	1670	618.4	1675	616.8	1685
GR	620.2	1690	624.5	1705	622.7	1800	622.5	1975	622.9	2160
GR	623.5	2305	621.4	2455	622.2	2640	621.2	2735	624.0	2755
GR	628.9	2770	633.9	2800						
X1	2				100	100	100			
X1	125				100	100	100			
QT	6	2100	4500	8200	10500	10500	18000			
X1	3	11	455	481	490	490	490		-2.925	
NC	.085	.085	.065	.1	.3					
GR	641.6	0	625.0	150	625.5	330	625.7	440	626.2	455
GR	620.7	460	621.5	480	626.1	481	625.6	535	635.2	700
GR	639.9	860								
X1	4				490	490	490		.975	
X1	5				490	490	490		.975	
X1	2085				490	490	490		.975	
X1	3610	14	835	870	1525	1525	1525			
GR	644.3	0	637.2	80	633.2	200	632.9	300	631.0	560
GR	627.8	730	628.8	835	624.8	840	622.2	860	628.4	870
GR	627.5	980	626.8	1000	634.1	1125	642.5	1175		
NC				.1	.3					
QT	6	2050	4400	8000	10000	10000	17500			
X1	4725	14	695	760	1115	1115	1115			
GR	645.7	0	637.8	150	633.8	305	633.0	370	629.1	540
GR	630.5	695	629.3	715	623.4	745	622.9	755	630.2	760
GR	629.5	1010	631.1	1190	635.0	1265	641.6	1400		
NC			.065	.6	.8					
X1	4805				80	80	80		.4	
X3	10							634.8	634.8	
SB	1.25	1.5	2.5	0	32	1.0	540	2.5	623.3	623.3
X1	4845	0	0	0	40	40	40		.3	
X2			1	633.7	634.8					
X3	10							634.8	634.8	
BT	7	0	639.7		110	635		225	634.8	
BT	485	635.6		568	635.9		750	636.6		815
BT	640.0									
X1	4925	15	665	706	80	80	80			
GR	646.0	0	633.6	240	632.0	385	630.5	425	629.9	640

12/6/77  
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GR 630.8	665	629.0	672	624.5	678	623.6	698	631.0	706
GR 631.5	715	630.2	727	630.0	765	630.5	775	645.9	810
NC .090	.090	.065	.1	.3					
X1 7675	19	470	520	2750	2750	2750			
GR 652.0	0	642.3	70	635.7	245	637.0	290	637.0	330
GR 636.5	420	637.5	470	636.4	475	630.7	480	629.2	490
GR 630.9	505	637.3	520	636.8	550	636.2	610	636.2	790
GR 636.1	865	639.6	895	643.1	945	650.6	965		
QT 6	2000	4300	7900	9900	9900	17000			
X1 9940	16	400	445	2265	2265	2265			
GR 660.0	0	649.2	140	643.9	180	643.1	205	642.3	215
GR 643.1	325	642.5	340	644.0	400	636.0	410	635.0	425
GR 636.0	435	643.7	445	643.2	640	642.9	660	645.8	700
GR 662.7	770								
QT 6	1900	4100	7400	9200	9200	16000			
X1 11625	18	505	550	1685	1685	1685			
GR 661.5	0	652.0	90	650.3	140	651.2	160	649.2	165
GR 648.0	215	646.5	255	646.1	305	645.4	425	644.9	445
GR 646.8	505	640.0	510	639.1	515	640.0	545	646.1	550
GR 644.5	565	645.0	585	660.9	610				
X1 13940	22	375	420	2315	2315	2315			
GR 660.0	0	660.0	100	660.0	200	659.2	220	654.1	310
GR 654.9	335	653.0	365	652.2	375	644.5	380	644.8	410
GR 651.3	420	649.7	430	653.1	435	651.0	470	651.5	555
GR 652.5	585	651.0	605	652.2	680	652.8	870	655.9	940
GR 660.9	995	665.8	1020						
ET					0.4				
X1 16150	19	455	550	2210	2210	2210			
GR 668.5	0	665.0	65	657.9	145	655.5	195	654.2	455
GR 655.2	470	655.2	485	648.5	495	647.8	500	648.6	520
GR 654.5	520	655.5	550	653.3	555	653.3	565	655.8	575
GR 656.1	615	659.5	625	664.2	715	670.8	745		
NC			.6	.8					
X1 16230				80	80	80		3.2	
X3 10							674.0	674.0	
SB 1.25	1.5	2.5	0	60	3.0	855	0	651.0	651.0
X1 16270	0	0	0	40	40	40			
X2		1	666.0	674.0					
X3 10							674.0	674.0	
BT 4	310	680.0		420	674.0		1220	674.0	
BT 1300	680								
X1 16350	17	475	520	80	80	80			
GR 670.2	0	665.9	165	662.1	260	660.2	350	655.1	430
GR 654.9	455	655.2	475	648.7	480	648.2	490	649.2	500
GR 653.0	505	655.5	520	655.2	545	658.0	610	660.8	625
GR 667.6	635	671.1	690						
NC			.1	.3					
QT 6	1830	3900	7000	8600	8600	15000			
NH 5	.09	470	.065	515	.09	915	.065	955	.09
NH 1000									
ET					10.4				
X1 18575	22	470	515	2225	2225	2225			
GR 682.0	0	679.0	35	666.6	305	663.8	420	665.7	455
GR 666.2	470	658.8	480	658.4	500	664.0	505	666.2	515
GR 665.7	525	665.5	600	665.1	755	666.2	890	665.3	915
GR 657.2	915	658.1	925	658.1	935	662.8	940	665.1	955
GR 666.5	965	679.1	1000						



NC	.09	.09	.065	.1	.3					
QT	6	1750	3700	6600	8200	8200	14000			
X1	20020	19	330	368	1445	1445	1445			
GR	684.3	0	672.3	75	668.5	135	668.9	225	670.3	330
GR	662.8	340	661.8	350	662.5	364	669.4	368	670.1	395
GR	668.9	470	669.7	480	670.7	540	668.8	590	672.6	770
GR	675.5	1095	676.7	1275	679.2	1350	690.0	1500		
NC	.085	.085		.1	.3					
X1	21940	17	445	485	1920	1920	1920			
GR	685.5	0	685.5	100	685.5	200	676.5	300	676.3	345
GR	675.8	408	676.2	439	675.7	445	669.3	450	669.0	465
GR	669.1	480	676.1	485	675.8	535	675.0	590	674.0	625
GR	674.9	710	704.7	862						
QT	6	1700	3600	6400	8000	8000	13600			
X1	24560	18	965	1000	2620	2620	2620			
GR	713.9	0	714.2	15	710.1	25	702.6	125	698.2	175
GR	691.0	385	688.0	450	679.9	730	679.2	820	678.9	840
GR	678.8	900	679.2	950	679.1	965	671.8	975	672.2	995
GR	679.5	1000	682.1	1155	702.5	1220				
NC	.09	.09	.065	.1	.3					
X1	26340	16	335	370	1780	1780	1780			
GR	705.9	0	698.0	90	686.4	140	686.3	155	686.1	183
GR	686.2	241	686.2	271	686.2	325	686.1	335	678.7	345
GR	678.2	355	678.8	365	684.7	370	688.9	382	695.8	388
GR	700.7	408								
X1	28930	17	460	530	2590	2590	2590			
GR	710.0	0	700.0	185	699.2	215	694.1	270	691.9	345
GR	691.4	395	691.9	440	691.8	460	691.1	485	684.0	490
GR	683.9	500	684.9	520	691.1	530	695.6	700	696.1	750
GR	699.9	845	704.9	920						
NC				.6	.8					
X1	29010			80	80	80	80		1.1	
X3	10							697.2	697.2	
SB	1.25	1.5	2.5	0	31	2.0	619	1.9	685.0	685.0
X1	29050	0	0	0	40	40	40		-1.3	
X2			1	695.6	697.2					
X3	10							697.2	697.2	
BT	7	0	708.6		210	699.7		300	697.8	
BT	400	697.3		470	697.2		590	697.8		920
BT	706.1									
X1	29130	13	255	285	80	80	80			
GR	706.7	0	695.4	90	693.0	145	692.0	255	684.3	260
GR	683.1	280	689.1	285	690.2	360	690.6	390	691.8	480
GR	693.8	590	698.0	690	706.3	830				
QT	6	1650	3500	6200	7800	7800	13200			
X1	30220	20	425	520	1090	1090	1090			
GR	708.5	0	701.1	170	698.0	185	694.2	335	695.8	418
GR	695.2	425	685.6	445	685.5	459	686.1	465	688.2	470
GR	690.2	480	690.2	500	693.6	510	694.5	520	694.1	550
GR	693.9	685	695.8	730	699.0	770	705.0	830	709.2	885
X1	30260			40	40	40			-1.3	
X3	10							700.0	700.0	
SB	0	1.5	3.0	0	35	0	540	.81	686.8	686.8
X1	30380	27	430	480	120	120	120		-1.3	
X2			1	697.0	700.0					
X3	10							700.0	700.0	
BT	9	0	706.5		10	706.1		100	703.4	

BT	200	703.3		430	700.1	697.0	480	700.1	697.0	800
BT	701.6		860	704.0		980	708.5			
GR	708.5	0	707.5	10	704.0	100	701.1	170	698.0	185
GR	697.0	200	694.2	335	695.8	418	695.2	425	695.5	430
GR	685.6	445	685.5	459	686.1	465	688.2	470	690.2	480
GR	690.2	500	693.6	510	694.5	520	694.1	550	693.9	685
GR	696.8	730	699.0	770	702.0	800	705.0	830	708.7	880
GR	709.2	885	716.5	980						
X1	30420	26	245	280	40	40	40			
GR	706.2	0	702.0	115	702.0	128	693.9	209	693.5	235
GR	693.0	245	690.9	249	686.1	250	685.5	275	692.2	280
GR	693.3	315	693.0	330	693.1	348	693.3	375	693.2	395
GR	693.4	410	693.3	430	694.1	440	694.0	450	694.1	495
GR	694.2	635	694.7	725	693.3	748	693.3	775	695.5	870
GR	706.7	900								
NC	.08	.08	.065	0.1	0.3					
QT	6	1600	3400	6000	7400	7400	12600			
X1	33730	26	580	605	3310	3310	3310			
GR	717.6	0	711.0	100	704.3	200	700.5	261	698.0	345
GR	697.4	430	697.0	450	697.1	490	698.7	510	697.7	570
GR	698.3	580	691.2	585	690.7	592	690.9	602	696.6	605
GR	698.0	710	696.9	740	698.7	795	697.4	835	697.0	920
GR	701.3	1170	706.2	1335	706.5	1400	709.0	1420	710.7	1440
GR	712.9	1550								
X1	34300	40	850	1150	570	570	570		8.5	
GR	708.0	0	707.1	50	705.7	100	703.7	150	702.6	200
GR	700.7	250	699.2	300	697.4	350	697.4	400	697.0	450
GR	696.8	500	696.2	550	695.7	600	695.4	650	695.1	700
GR	695.1	750	695.2	800	695.9	850	693.2	900	690.6	950
GR	691.7	983	685.0	986	684.2	1000	685.6	1014	695.1	1019
GR	695.1	1050	691.0	1100	691.4	1150	691.5	1200	691.6	1250
GR	691.6	1300	691.9	1350	691.7	1400	691.7	1450	692.0	1500
GR	692.8	1550	700.9	1600	705.0	1700	706.3	1800	708.0	1940
NC	.08	.08	.065	.6	.8					
X1	34380	0		80	80	80				
X3	10	0	0	0				709.0	709.0	
SB	.95	1.5	3.0	0	30	15	1960	7.1	692.8	692.8
X1	34420	40	850	1150	40	40	40		8.5	
X2			1	706.8	709.0					
X3	10							709.0	709.0	
BT	8	0	722.7		950	709.4		1050	709.0	
BT	1150	709.0		1203	709.0		1250	709.1		1600
BT	713.2		1940.0	716.5						
GR	708.0	0	707.1	50	705.7	100	703.7	150	702.6	200
GR	700.7	250	699.2	300	697.4	350	697.4	400	697.0	450
GR	696.8	500	696.2	550	695.7	600	695.4	650	695.1	700
GR	695.1	750	695.2	800	695.9	850	693.2	900	690.6	950
GR	691.7	983	685.0	986	684.2	1000	685.6	1014	695.1	1019
GR	691.5	1050	691.0	1100	691.4	1150	691.5	1200	691.6	1250
GR	691.6	1300	691.9	1350	691.7	1400	691.7	1450	692.0	1500
GR	692.8	1550	700.9	1600	705.0	1700	706.3	1800	708.0	1940
X1	34500	37	934	967	80	80	80		8.5	
GR	709.0	0	706.7	50	703.6	100	701.8	150	700.6	200
GR	700.1	250	698.7	300	698.5	350	697.9	400	697.2	450
GR	696.2	500	695.0	550	694.4	600	694.2	650	693.4	700
GR	692.9	750	692.3	800	691.8	850	692.2	900	692.0	934
GR	686.7	937	685.5	950	685.2	963	692.0	967	691.1	1000

GR	691.4	1050	691.5	1100	691.6	1150	692.2	1200	692.0	1250
GR	693.1	1300	694.0	1350	696.0	1400	699.3	1450	700.0	1500
GR	702.5	1600	705.0	1700						
QT	6	1470	3100	5400	6700	6700	11200			
X1	35860	19	1000	1030	1360	1360	1360			
GR	715.0	0	710.5	350	707.8	490	708.5	510	710.4	550
GR	706.2	575	703.3	695	702.3	970	703.5	995	702.9	1000
GR	696.7	1005	696.5	1025	703.0	1030	703.4	1035	703.0	1050
GR	703.4	1125	707.4	1230	715.8	1320	709.1	1335		
NC				.6	.8					
ET						0.4				
X1	35940				80	80	80		0.5	
X3	10							707.1	707.1	
SB	0	1.5	3.0	0	32	0	910	.69	697.0	697.0
X1	35980	23	990	1035	40	40	40			
X2			1	707.2	707.1					
X3								707.1	707.1	
BT	9	0	724.2		350	716.7		745	707.2	
BT	803	707.1		945	709.0		990	709.2	707.2	1035
BT	709.2	707.2	1085	710.0		1335	720.0			
GR	715.0	0	710.5	350	707.8	490	708.5	510	710.4	550
GR	706.2	575	703.3	695	703.1	745	703.0	803	702.5	945
GR	702.3	970	703.3	990	702.9	1000	697.0	1005	697.0	1025
GR	703.0	1030	703.4	1035	703.0	1050	703.1	1085	703.4	1125
GR	707.4	1230	715.8	1320	709.1	1335				
NC	.085	.085	.065	.1	.3					
X1	36060	21	1695	1728	80	80	80			
GR	716.0	700	712.5	950	709.5	1200	708.1	1210	705.5	1270
GR	707.8	1360	703.9	1480	703.3	1510	703.5	1595	703.0	1633
GR	702.0	1650	703.1	1675	703.2	1695	698.4	1698	697.1	1710
GR	698.3	1717	703.9	1728	706.5	1745	706.6	1760	710.3	1815
GR	719.8	1895								
ET						10.4				
X1	37270	19	670	710	1210	1210	1210			
GR	719.4	0	714.5	120	712.0	230	710.9	360	707.9	437
GR	707.8	515	705.8	585	706.0	610	705.8	650	706.5	670
GR	698.5	678	698.3	690	699.3	700	708.6	710	710.4	720
GR	712.7	780	712.7	840	711.4	860	721.8	880		
NC				.6	.8					
X1	37345				75	75	75		0.8	
X3	10							711.2	711.2	
SB	0	1.5	3.0	0	22	0	430	.89	699.1	699.1
NC	.090	.090	.065	.6	.8					
X1	37395	22	655	705	50	50	50		.3	
X2			1	710.2	711.2					
X3	10							711.2	711.2	
BT	8	0	721.1		95	717.3		210	713.9	
BT	400	711.3		500	711.2		655	712.1	710.2	705
BT	712.1	710.2	910	716.3						
GR	720.7	0	717.9	60	716.3	95	714.8	135	713.1	210
GR	711.4	285	708.1	340	707.7	400	706.9	485	707.0	500
GR	707.1	575	704.5	605	706.1	625	705.7	655	698.8	665
GR	699.1	682	705.6	690	705.9	705	706.2	725	710.2	805
GR	715.2	865	720.3	910						
X1	37470	18	655	690	75	75	75		0.1	
GR	720.7	0	717.9	60	716.3	95	714.8	135	711.4	285
GR	708.1	340	706.9	485	707.1	575	704.5	605	706.1	625

GR	705.7	655	699.8	665	699.2	682	705.6	690	706.2	725
GR	710.2	805	715.2	865	720.3	910				
X1	39900	29	955	985	2430	2430	2430			
GR	723.6	0	718.9	85	720.5	130	718.1	200	720.2	215
GR	720.2	240	717.2	250	716.7	315	714.5	390	713.1	620
GR	714.0	770	715.0	790	715.0	820	714.0	838	710.8	850
GR	710.3	885	710.7	905	711.3	945	710.7	955	704.5	960
GR	705.0	978	710.4	985	710.1	1045	710.1	1075	710.4	1105
GR	714.4	1145	718.0	1200	717.5	1250	725.5	1345		
NC	.085	.085	.065	.6	.8					
QT	6	1370	2850	4950	6200	6200	10200			
X1	42435	19	510	615	2535	2535	2535			
GR	728.5	0	724.0	100	724.0	200	721.9	265	714.0	320
GR	714.5	420	714.0	439	713.0	510	714.3	575	711.0	583
GR	707.8	587	707.0	598	708.3	605	714.3	615	715.1	625
GR	718.8	638	718.9	649	724.0	660	728.5	678		
NC				.6	.8					
X1	42505			70	70	70	70		2.5	
X3	10			0	52	4.0	735	722.9	722.9	
SB	1.05	1.5	2.5	0	60	60	60	2.7	709.5	709.5
X1	42565	0	0	0	60	60	60			
X2			1	720.4	722.9					
X3	10							722.9	722.9	
BT	6	0	728.5		100	724.0		532	722.9	
BT	650	722.9		835	723.8		1010	728.5		
X1	42635	28	905	949	70	70	70			
GR	735.0	0	719.5	100	719.5	200	713.6	325	713.1	395
GR	714.4	490	714.7	530	715.0	625	713.9	650	714.7	695
GR	714.7	825	715.5	905	707.2	910	707.7	920	709.5	930
GR	712.5	935	712.7	945	714.8	949	715.1	1000	714.2	1040
GR	714.5	1055	714.7	1110	714.3	1135	714.3	1180	714.3	1245
GR	715.8	1315	723.3	1345	740.0	1400				
NC				.1	.3					
QT	6	1250	2600	4500	5600	5600	9100			
X1	45250	19	929	969	2615	2615	2615			
GR	742.4	0	740.7	130	730.0	350	723.4	525	721.8	665
GR	717.8	710	717.8	772	717.5	850	717.1	929	711.0	934
GR	710.6	940	716.0	963	717.8	969	718.0	989	719.4	1025
GR	723.5	1100	728.0	1130	731.4	1200	740.9	1300		
QT	6	1100	2300	3900	4800	4800	7700			
X1	47500	15	195	225	2250	2250	2250			
GR	731.1	0	726.2	75	722.4	180	722.8	195	718.5	200
GR	718.7	210	718.5	220	723.5	225	724.0	275	724.2	280
GR	722.9	335	725.0	360	727.2	390	731.7	400	735.5	420
NH	5	.09	425	.065	442	.09	540	.065	565	.09
NH	845									
X1	49420	22	425	442	1920	1920	1920			
GR	746.2	0	746.2	100	733.0	200	728.1	325	728.9	350
GR	727.6	370	726.3	379	725.5	400	725.6	425	721.1	428
GR	721.3	440	725.8	442	725.9	495	726.8	540	721.1	545
GR	720.5	552	720.1	559	727.5	565	729.5	680	731.4	730
GR	733.5	760	746.2	845						
NC				.6	.8					
X1	49500			80	80	80	80			
X3	10							729.6	729.6	
NC	.02	.02	.02	.6	.8					
X1	49505	16	490	508	5	5	5			

BT	9	0	739	100	736.1	200	734.7			
BT	400	731.7		490	730.2	728.4	508	730.2	728.4	640
BT	729.7	728.1	660	729.9	728.3	930	742			
GR	739	0	736.1	100	734.7	200	733	300	731.7	400
GR	730.2	490	722.3	490	721.2	500	721.9	508	730.2	508
GR	729.7	640	720.7	640	719.4	650	720.1	660	729.9	660
GR	742	930								
X1	49535			30	30	30				
X2						1				
NH	5	.09	492	.065	510	.09	641	.065	660	.09
NH	910									
X1	49540	21	492	510	5	5	5			
X3	10							729.6	729.6	
GR	736.8	0	735.3	90	735.0	100	733.0	150	731.8	330
GR	728.5	450	726.5	492	722.2	497	721.0	503	721.5	509
GR	725.9	510	726.1	545	725.1	555	725.1	632	726.0	641
GR	721.0	650	720.9	660	727.8	668	733.2	785	734.9	820
GR	740.5	910								
X1	49620	20	492	510	80	80	80			
GR	736.8	0	735.3	90	733.0	150	731.8	330	728.5	450
GR	726.5	492	722.2	497	721.0	503	721.5	509	725.9	510
GR	726.1	545	725.1	555	725.1	632	726.0	641	721.0	650
GR	720.9	660	727.8	668	733.2	785	734.9	820	740.5	910
NC				.1	.3					
NH	5	.09	510	.065	530	.09	715	.065	740	.090
NH	850									
X1	50585	17	510	530	965	965	965			
GR	746.2	0	736.0	135	730.5	435	729.0	510	723.2	511
GR	723.7	525	728.8	530	728.3	600	727.3	690	731.6	715
GR	725.5	725	725.3	730	725.6	735	732.6	740	733.7	785
GR	742.5	840	746.0	850						
QT	6	1000	2100	3500	4300	4300	6800			
NH	5	.09	460	.065	490	.09	1000	.065	1015	.09
NH	1335									
X1	51740	22	460	490	1155	1155	1155			
GR	743.3	0	740.2	45	731.9	460	726.2	465	725.5	470
GR	726.3	480	728.9	483	732.1	490	731.2	520	730.5	650
GR	730.2	715	730.4	805	730.4	895	731.0	1000	726.7	1003
GR	726.2	1010	731.1	1015	729.9	1040	730.2	1160	729.5	1215
GR	735.3	1255	748.0	1335						
NC	.08	.08	.065	.1	.3					
X1	53190	19	960	992	1450	1450				
GR	752.6	0	749.1	25	737.3	160	737.0	210	736.0	380
GR	735.8	595	735.9	630	734.7	750	734.1	835	734.1	960
GR	727.8	963	727.5	970	727.9	988	734.0	992	732.9	1105
GR	735.9	1235	740.7	1260	747.0	1275	752.0	1310		
NC				.6	.8					
ET						0.4				
X1	53270			30	80	80				
X3	10							738.7	738.7	
S8	0	1.5	2.5	0	20	0	330	.76	727.7	728.3
X1	53310	23	785	815	40	40	40			
X2			1	737.9	738.7					
X3	10							738.7	738.7	
BT	6	145	741.0	660	738.7	785	740.0		737.9	
BT	815	738.8	737.9	970	740.2		1215	750.5		
GR	749.4	0	749.1	10	740.4	40	740.1	65	741.0	145



T14-6-76.PROJ.CRANE CR..ROWAN COUNTY S.H.F.I.REPORT.NR.SALISBURY N.C..SUBJ.2,10,  
 T250,100,AND 500-YR.FLOOD FRFQ.PROFILES EXIST.CONDS.100-YR.FLOODWAY PROFILE.  
 T3 CRANE CR.10-YR.FLOOD EXISTING CONDITIONS.CODING BY S.P.F.&C.E.K.CORPS  
 J1 3 .00102 624.1

J2 2 -1  
 T14-6-76.PROJ.CRANE CR..ROWAN COUNTY S.H.F.I.REPORT.NR.SALISBURY N.C..SUBJ.2,10,  
 T250,100,AND 500-YR.FLOOD FRFQ.PROFILES EXIST.CONDS.100-YR.FLOODWAY PROFILE.  
 T3 CRANE CR.50-YR.FLOOD EXISTING CONDITIONS.CODING BY S.P.F.&C.E.K.CORPS  
 J1 4 .00102 625.97

J2 3 -1  
 T14-6-76.PROJ.CRANE CR..ROWAN COUNTY S.H.F.I.REPORT.NR.SALISBURY N.C..SUBJ.2,10,  
 T250,100,AND 500-YR.FLOOD FRFQ.PROFILES EXIST.CONDS.100-YR.FLOODWAY PROFILE.  
 T3 CRANE CR.100-YR.FLOOD EXISTING CONDITIONS.CODING BY S.P.F.&C.E.K.CORPS  
 J1 5 .00102 626.39

J2 4 -1  
 T14-6-76.PROJ.CRANE CR..ROWAN COUNTY S.H.F.I.REPORT.NR.SALISBURY N.C..SUBJ.2,10,  
 T250,100,AND 500-YR.FLOOD FRFQ.PROFILES EXIST.CONDS.100-YR.FLOODWAY PROFILE.  
 T3 CRANE CR.500-YR.FLOOD EXISTING CONDITIONS.CODING BY S.P.F.&C.E.K.CORPS  
 J1 7 .00102 628.21

J2 15 -1

ER										
J1		5							626.30	
J2	1		-1							
J3	-5	43	42	23	24	41	45	40	44	1
J3	2	3	8	0	38	39	13	14	15	16
J3	17	18	25	55	26	56	8	0	38	43
J3	53	54	4	8	34	27	28	31	32	36
J3	9	0	38	43	1	50	51	0	105	

ET 10.4  
 T14-6-76.PROJ.CRANE CR..ROWAN COUNTY S.H.F.I.REPORT.NR.SALISBURY N.C..SUBJ.2,10,  
 T250,100,AND 500-YR.FLOOD FRFQ.PROFILES EXIST.CONDS.100-YR.FLOODWAY PROFILE.  
 T3 100-YR.FLOOD FLOODWAY CONDITIONS.CODING BY S.P.F.&C.E.K.CORPS  
 J1 6 627.30

// \$  
 // XEQ STOPT  
 20 6921 1392 531 MK  
 // EOJ

FIS DAVIDSON-ROWAN COUNTIES

//RMAKLS JOB RTI.A25.P03078,KPZIAH,M=1,T=(,15),PRTY=2,D=RTIMG

// EXEC COPY,PARM=NOLIST

//OUTPUT DD DSN=RTI.A25.P03078.MAK.CRANE,DISP=OLD

//INPUT DD DATA

//\*PROCLIB=RTI.MG.PROCLIB

// EXEC HEC2

//SYSIN DD \*

T1 ROWAN COUNTY BASIN G STREAM 1 CRANE CREEK

T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918

T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	-1	2			.00102					626.8
J2	0		-1							
J3	38	39	40	41	43	42	1	2	26	53
J3	54	25	50	0	201					
NC	.085	.085	.050	.1	.3					
QT	5	4450	8100	10100	16750	10100				
NH	5	.085	1552	.05	1600	.085	1670	.05	1705	.085
NH	2800									
ET	5	0	0	0	0	-10.4				
X1	28340	32	1670	1705	28340	28340	28340	0		
GR	643.4	0	631.8	75	626.2	105	622.0	175	622.3	340
GR	621.6	525	621.7	705	622.4	900	622.1	1020	622.9	1140
GR	623.2	1487	624.3	1552	619.5	1560	619.2	1580	618.6	1592
GR	624.3	1600	623.0	1625	624.9	1670	618.4	1675	616.8	1685
GR	620.2	1690	624.5	1705	622.7	1800	622.5	1975	622.9	2160
GR	623.5	2305	621.4	2455	622.2	2640	621.2	2735	624.0	2755
GR	628.9	2770	633.9	2800						
X1	28440				100	100	100			

*Listing as submitted  
to TUCC*

*8/1/77*

*Crane Creek*

*97073*



X1 28540				100	100	100				
X1 29030	11	455	481	490	490	490			-2.925	
NC .085	.085	.065	.1	.3						
GR 641.6	0	625.0	150	625.5	330	625.7	440	626.2	455	
GR 620.7	460	621.5	480	626.1	481	625.6	535	635.2	700	
GR 639.9	860									
X1 29520				490	490	490			.975	
X1 30010				490	490	490			.975	
X1 30500				490	490	490			.975	
QT 5	4350	8050	10000	16500	10000					
X1 32000	14	835	870	1500	1500	1500				
GR 644.3	0	637.2	80	633.2	200	632.9	300	631.0	560	
GR 627.8	730	628.8	835	624.8	840	622.2	860	628.4	870	
GR 627.5	980	626.8	1000	634.1	1125	642.5	1175			
NC			.1	.3						
QT 5	4250	7950	9850	16000	9850					
X1 33100	14	695	760	1100	1100	1100				
GR 645.7	0	637.8	150	633.8	305	633.0	370	629.1	540	
GR 630.5	695	629.3	715	623.4	745	622.9	755	630.2	760	
GR 629.5	1010	631.1	1190	635.0	1265	641.6	1400			
NC		.065	.6	.8						
X1 33180				80	80	80			.4	
X3 10							634.8	634.8		
SB 1.25	1.5	2.5	0	32	1.0	540	2.5	623.3	623.3	
X1 33220	0	0	0	40	40	40			.3	
X2		1	633.7	634.8						
X3 10							634.8	634.8		
QT 7	0	639.7		110	635		225	634.8		

BT	485	635.6		568	635.9		750	636.6		815
BT	640.0									
X1	33300	15	665	706	80	80	80			
GR	646.0	0	633.6	240	632.0	385	630.5	425	629.9	640
GR	630.8	665	629.0	672	624.5	678	623.6	698	631.0	706
GR	631.5	715	630.2	727	630.8	765	630.5	775	645.9	810
NC	.090	.090	.065	.1	.3					
X1	36150	19	470	520	2850	2850	2850			
GR	652.0	0	642.3	70	635.7	245	637.0	290	637.0	330
GR	636.5	420	637.5	470	636.4	475	630.7	480	629.2	490
GR	630.9	505	637.3	520	636.8	550	636.2	610	636.2	790
GR	636.1	865	639.6	895	643.1	945	650.6	965		
QT	5	4150	7650	9200	15500	9200				
X1	38600	16	400	445	2450	2450	2450			
GR	660.0	0	649.2	140	643.9	180	643.1	205	642.3	215
GR	643.1	325	642.5	340	644.0	400	636.0	410	635.0	425
GR	636.0	435	643.7	445	643.2	640	642.9	660	645.8	700
GR	662.7	770								
X1	40375	18	505	550	1775	1775	1775			
GR	661.5	0	652.0	90	650.3	140	651.2	160	649.2	165
GR	648.0	215	646.5	255	646.1	305	645.4	425	644.9	445
GR	646.8	505	640.0	510	639.1	515	640.0	545	646.1	550
GR	644.5	565	645.0	585	660.9	610				
X1	42375	22	375	420	2000	2000	2000			
GR	660.0	0	660.0	100	660.0	200	659.2	220	654.1	310
GR	654.9	335	653.0	365	652.2	375	644.5	380	644.8	410
GR	651.3	420	649.7	430	653.1	435	651.0	470	651.5	555
GR	652.5	585	651.0	605	652.2	680	652.8	870	655.9	940

GR 660.9	995	665.8	1020							
QT 5	4000	7150	8900	15000	8900					
X1 44500	19	455	550	2125	2125	2125				
GR 668.5	0	666.0	65	657.9	145	655.5	195	654.2	455	
GR 655.2	470	655.2	485	648.5	495	647.8	500	648.6	520	
GR 654.5	520	655.5	550	653.3	555	653.3	565	655.8	575	
GR 656.1	615	659.5	625	664.2	715	670.8	745			
NC			.6	.8						
X1 44580				80	80	80		3.2		
X3 10							674.0	674.0		
SB 1.25	1.5	2.5	0	60	3.0	855	0	651.0	651.0	
X1 44620	0	0	0	40	40	40				
X2		1	666.0	674.0						
X3 10							674.0	674.0		
BT 4	310	680.0		420	674.0		1220	674.0		
BT 1300	680									
X1 44700	17	475	520	80	80	80				
GR 670.2	0	665.9	165	662.1	260	660.2	350	655.1	430	
GR 654.9	455	655.2	475	648.7	480	648.2	490	649.2	500	
GR 653.0	505	655.5	520	655.2	545	658.0	610	660.8	625	
GR 667.6	635	671.1	690							
NC			.1	.3						
NH 5	.09	470	.065	515	.09	915	.065	955	.09	
NH 1000										
X1 47100	22	470	515	2400	2400	2400				
GR 682.0	n	679.0	35	666.6	305	663.8	420	665.7	455	
GR 666.2	470	658.8	480	658.4	500	664.0	505	666.2	515	
GR 665.7	525	665.5	600	665.1	755	666.2	890	665.3	915	

GR 657.2	915	658.1	925	658.1	935	662.8	940	665.1	955
GR 666.5	965	679.1	1000						
NC .09	.09	.065	.1	.3					
X1 48700	19	330	368	1600	1600	1600			
GR 684.3	0	672.3	75	668.5	135	668.9	225	670.3	330
GR 662.8	340	661.8	350	662.5	364	669.4	368	670.1	395
GR 668.9	470	669.7	480	670.7	540	668.8	590	672.6	770
GR 675.5	1095	676.7	1275	679.2	1350	690.0	1500		
NC .085	.085		.1	.3					
QT 5	3750	6800	8300	13750	8300				
X1 50700	17	445	485	2000	2000	2000			
GR 685.5	0	685.5	100	685.5	200	676.5	300	676.3	345
GR 675.8	408	676.2	439	675.7	445	669.3	450	669.0	465
GR 669.1	480	676.1	485	675.8	535	675.0	590	674.0	625
GR 674.9	710	704.7	862						
X1 53150	18	965	1000	2450	2450	2450			
GR 713.9	0	714.2	15	710.1	25	702.6	125	698.2	175
GR 691.0	385	688.0	450	679.9	730	679.2	820	678.9	840
GR 678.8	900	679.2	950	679.1	965	671.8	975	672.2	995
GR 679.5	1000	682.1	1155	702.5	1220				
NC .09	.09	.065	.1	.3					
X1 55000	16	335	370	1850	1850	1850			
GR 705.9	0	698.0	90	686.4	140	686.3	155	686.1	183
GR 686.2	241	686.2	271	686.2	325	686.1	335	678.7	345
GR 678.2	355	678.8	365	684.7	370	688.9	382	695.8	388
GR 700.7	408								
QT 5	3600	6450	8100	13200	8100				
X1 57300	17	460	530	2300	2300	2300			

GR 710.0	0	700.0	185	699.2	215	694.1	270	691.9	345
GR 691.4	395	691.9	440	691.8	460	691.1	485	684.0	490
GR 683.9	500	684.9	520	691.1	530	695.6	700	696.1	750
GR 699.9	845	704.9	920						
NC			.6	.8					
X1 57380				80	80	80		1.1	
X3 10							697.2	697.2	
SB 1.25	1.5	2.5	0	31	2.0	619	1.9	685.0	605.0
X1 57420	0	0	0	40	40	40		-1.3	
X2		1	695.6	697.2					
X3 10							697.2	697.2	
BT 7	0	700.6		210	699.7		300	697.8	
BT 400	697.3		470	697.2		590	697.8		920
BT 706.1									
X1 57500	13	255	285	80	80	80			
GR 706.7	0	695.4	90	693.0	145	692.0	255	684.3	260
GR 683.1	280	689.1	285	690.2	360	690.6	390	691.8	480
GR 693.8	590	698.0	690	706.3	830				
QT 5	3550	6400	7900	13000	7900				
X1 58600	20	425	520	1100	1100	1100			
GR 708.5	0	701.1	170	698.0	185	694.2	335	695.8	418
GR 695.2	425	685.6	445	685.5	459	686.1	465	688.2	470
GR 690.2	480	690.2	500	693.6	510	694.5	520	694.1	550
GR 693.9	685	696.8	730	699.0	770	705.0	830	709.2	885
X1 58680				80	80	80		-1.3	
X3 10							700.0	700.0	
SB 0	1.5	3.0	0	35	0	540	.81	686.8	686.8
X1 58700	27	430	480	20	20	20		-1.3	

X2		1	697.0	700.0						
X3	10						700.0	700.0		
BT	9	0	706.5		10	706.1		100	703.4	
BT	200	703.3		430	700.1	697.0	480	700.1	697.0	800
BT	701.6		880	704.0			980	708.5		
GR	708.5	0	707.5	10	704.0	100	701.1	170	698.0	185
GR	697.8	200	694.2	335	695.8	418	695.2	425	695.5	430
GR	685.6	445	685.5	459	686.1	465	688.2	470	690.2	480
GR	690.2	500	693.6	510	694.5	520	694.1	550	693.9	685
GR	696.8	730	699.0	770	702.0	800	705.0	830	708.7	880
GR	709.2	885	716.5	980						
X1	50800	26	245	280	100	100	100			
GR	706.2	0	702.0	115	702.0	128	693.9	209	693.5	235
GR	693.0	245	690.9	249	686.1	250	685.5	275	692.2	280
GR	693.3	315	693.0	330	693.1	348	693.3	375	693.2	395
GR	693.4	410	693.3	430	694.1	440	694.0	450	694.1	495
GR	694.2	635	694.7	725	693.3	748	693.3	775	695.5	870
GR	706.7	900								
NC	.08	.08	.065	0.1	0.3					
X1	62100	26	580	605	3300	3300	3300			
GR	717.6	0	711.0	100	704.3	200	700.5	261	698.0	345
GR	697.4	430	697.0	450	697.1	490	698.7	510	697.7	570
GR	698.3	580	691.2	585	690.7	592	690.9	602	696.6	605
GR	698.0	710	696.9	740	698.7	795	697.4	835	697.0	920
GR	701.3	1170	706.2	1335	706.5	1400	709.0	1420	710.7	1440
GR	712.9	1550								
X1	62700	40	850	1150	600	600	600		8.5	
GR	708.0	0	707.1	50	705.7	100	703.7	150	702.6	200

GR 700.7	250	699.2	300	697.4	350	697.4	400	697.0	450
GR 696.8	500	696.2	550	695.7	600	695.4	650	695.1	700
GR 695.1	750	695.2	800	695.9	850	693.2	900	690.6	950
GR 691.7	983	685.0	986	684.2	1000	685.6	1014	695.1	1019
GR 695.1	1050	691.0	1100	691.4	1150	691.5	1200	691.6	1250
GR 691.6	1300	691.9	1350	691.7	1400	691.7	1450	692.0	1500
GR 692.8	1550	700.9	1600	705.0	1700	706.3	1800	708.9	1940
NC .08	.08	.065	.6	.8					
X1 62780	0		80	80	80				
X3 10	0	0	0				709.0	709.0	
SB .95	1.5	3.0	0	30	15	1960	7.1	692.8	692.8
X1 62820	40	850	1150	40	40	40		8.5	
X2		1	706.8	709.0					
X3 10							709.0	709.0	
BT 8	0	722.7		950	709.4		1050	709.0	
BT 1150	709.0		1203	709.0		1250	709.1		1600
BT 713.2		1940.0	716.5						
GR 708.0	0	707.1	50	705.7	100	703.7	150	702.6	200
GR 700.7	250	699.2	300	697.4	350	697.4	400	697.0	450
GR 696.8	500	696.2	550	695.7	600	695.4	650	695.1	700
GR 695.1	750	695.2	800	695.9	850	693.2	900	690.6	950
GR 691.7	983	685.0	986	684.2	1000	685.6	1014	695.1	1019
GR 691.5	1050	691.0	1100	691.4	1150	691.5	1200	691.6	1250
GR 691.6	1300	691.9	1350	691.7	1400	691.7	1450	692.0	1500
GR 692.8	1550	700.9	1600	705.0	1700	706.3	1800	708.0	1940
X1 62900	37	934	967	80	80	80		8.5	
GR 709.0	0	706.7	50	703.6	100	701.8	150	700.6	200
GR 700.1	250	698.7	300	698.5	350	697.9	400	697.2	450

GR 696.2	500	695.0	550	694.4	600	694.2	650	693.4	700
GR 692.9	750	692.3	800	691.8	850	692.2	900	692.0	934
GR 686.7	937	685.5	950	685.2	963	692.8	967	691.1	1000
GR 691.4	1050	691.5	1100	691.6	1150	692.2	1200	692.0	1250
GR 693.1	1300	694.0	1350	696.0	1400	699.3	1450	700.0	1500
GR 702.5	1600	705.0	1700						
QT 5	3075	5350	6700	10750	6700				
X1 64250	19	1000	1030	1350	1350	1350			
GR 715.0	0	710.5	350	707.8	490	708.5	510	710.4	550
GR 706.2	575	703.3	695	702.3	970	703.5	995	702.9	1000
GR 696.7	1005	696.5	1025	703.0	1030	703.4	1035	703.0	1050
GR 703.4	1125	707.4	1230	715.8	1320	709.1	1335		
NC			.6	.8					
ET					0.4				
X1 64330				80	80	80		0.5	
X3 10							707.1	707.1	
SB 0	1.5	3.0	0	32	0	910	.69	697.0	697.0
X1 64370	23	990	1035	40	40	40			
X2		1	707.2	707.1					
X3							707.1	707.1	
BT 9	0	724.2		350	716.7		745	707.2	
BT 803	707.1		945	709.0		990	709.2	707.2	1035
BT 709.2	707.2	1085	710.0		1335	720.0			
GR 715.0	0	710.5	350	707.8	490	708.5	510	710.4	550
GR 706.2	575	703.3	695	703.1	745	703.0	803	702.5	945
GR 702.3	970	703.3	990	702.9	1000	697.0	1005	697.0	1025
GR 703.0	1030	703.4	1035	703.0	1050	703.1	1095	703.4	1125
GR 707.4	1230	715.8	1320	709.1	1335				



NC	.085	.085	.065	.1	.3					
X1 64450	21	1695	1728	80	80	80				
GR 716.0	700	712.5	950	709.5	1200	708.1	1210	705.5	1270	
GR 707.8	1360	702.9	1480	703.3	1510	703.5	1595	703.0	1633	
GR 702.0	1650	703.1	1675	703.2	1695	698.4	1698	697.1	1710	
GR 698.3	1717	703.9	1728	706.5	1745	706.6	1760	710.3	1815	
GR 719.8	1895									
QT 5	3050	5300	6600	10500	6600					
X1 65600	19	670	710	1150	1150	1150				
GR 719.4	0	714.5	120	712.0	230	710.9	360	707.9	437	
GR 707.8	515	705.8	585	706.0	610	705.8	650	706.5	670	
GR 698.5	678	698.3	690	699.3	700	708.6	710	710.4	720	
GR 712.7	780	712.7	840	711.4	860	721.8	880			
NC			.6	.8						
X1 65675				75	75	75		0.8		
X3 10							711.2	711.2		
SB 0	1.5	3.0	0	22	0	430	.89	699.1	699.1	
NC .090	.090	.065	.6	.8						
X1 65725	22	655	705	50	50	50		.3		
X2		1	710.2	711.2						
X3 10							711.2	711.2		
BT 8	0	721.1		95	717.3		210	713.9		
BT 400	711.3		500	711.2		655	712.1	710.2	705	
BT 712.1	710.2	910	716.3							
GR 720.7	0	717.9	60	716.3	95	714.8	135	713.1	210	
GR 711.4	285	708.1	340	707.7	400	706.9	485	707.0	500	
GR 707.1	575	704.5	605	706.1	625	705.7	655	698.8	665	
GR 699.1	682	705.6	690	705.9	705	706.2	725	710.2	805	

GR 715.2	865	720.3	910						
X1 65800	18	655	690	75	75	75		0.1	
GR 720.7	0	717.9	60	716.3	95	714.8	135	711.4	285
GR 708.1	340	706.9	485	707.1	575	704.5	605	706.1	625
GR 705.7	655	699.8	665	699.2	682	705.6	690	706.2	725
GR 710.2	805	715.2	865	720.3	910				
X1 67900	29	955	985	2100	2100	2100			
GR 723.6	0	718.9	85	720.5	130	718.1	200	720.2	215
GR 720.2	240	717.2	250	716.7	315	714.5	390	713.1	620
GR 714.0	770	715.0	790	715.0	820	714.0	838	710.8	850
GR 710.3	885	710.7	905	711.3	945	710.7	955	704.5	960
GR 705.0	978	710.4	985	710.1	1045	710.1	1075	710.4	1105
GR 714.4	1145	718.0	1200	717.5	1250	725.5	1345		
NC .085	.085	.065	.6	.8					
QT 5	2850	5000	6200	9900	6200				
X1 70400	19	510	615	2500	2500	2500			
GR 728.5	0	724.0	100	724.0	200	721.9	265	714.0	320
GR 714.5	420	714.0	439	713.0	510	714.3	575	711.0	583
GR 707.8	587	707.0	598	708.3	605	714.3	615	715.1	625
GR 718.8	638	718.9	649	724.0	660	728.5	678		
NC			.6	.8					
X1 70470				70	70	70		2.5	
X3 10							722.9	722.9	
SB 1.05	1.5	2.5	0	52	4.0	735	2.7	709.5	709.5
X1 70530	0	0	0	60	60	60			
X2		1	720.4	722.9					
X3 10							722.9	722.9	
BT 6	0	728.5		100	724.0		532	722.9	

BT	650	722.9		835	723.8		1010	728.5		
X1	70600	28	905	949	70	70	70			
GR	735.0	0	719.5	100	719.5	200	713.6	325	713.1	395
GR	714.4	490	714.7	530	715.0	625	713.9	650	714.7	695
GR	714.7	625	715.5	905	707.2	910	707.7	920	709.5	930
GR	712.5	935	712.7	945	714.8	949	715.1	1000	714.2	1040
GR	714.5	1055	714.7	1110	714.3	1135	714.3	1180	714.3	1245
GR	715.8	1315	723.3	1345	740.0	1400				
NC				.1	.3					
X1	72300	19	929	969	1700	1700	1700			
GR	742.4	0	740.7	130	730.0	350	723.4	525	721.8	665
GR	717.8	710	717.8	772	717.5	850	717.1	929	711.0	934
GR	710.6	940	716.0	963	717.8	969	718.0	989	719.4	1025
GR	723.5	1100	728.0	1130	731.4	1200	740.9	1300		
QT	6	1100	2300	3900	4800	4800	7700			
X1	75200	15	195	225	2900	2900	2900			
GR	731.1	0	726.2	75	722.4	180	722.8	195	718.5	200
GR	718.7	210	718.5	220	723.5	225	724.0	275	724.2	280
GR	722.9	335	725.0	360	727.2	390	731.7	400	735.5	420
NH	5	.09	425	.065	442	.09	540	.065	565	.09
NH	845									
QT	5	2250	3900	4800	7600	4800				
X1	77200	22	425	442	2000	2000	2000			
GR	746.2	0	746.2	100	733.0	200	728.1	325	728.9	350
GR	727.6	370	726.3	379	725.5	400	725.6	425	721.1	428
GR	721.3	440	725.8	442	725.9	495	726.8	540	721.1	545
GR	720.5	552	720.1	559	727.5	565	729.5	680	731.4	730
GR	733.5	760	746.2	845						

NC			.6	.8						
X1 77280				80	80	80				
X3 10							729.6	729.6		
NC .02	.02	.02	.6	.8						
X1 77285	16	490	508	5	5	5				
BT 9	0	739		100	736.1		200	734.7		
BT 400	731.7		490	730.2	728.4	508	730.2	728.4	640	
BT 729.7	728.1	660	729.9	728.3	930	742				
GR 739	0	736.1	100	734.7	200	733	300	731.7	400	
GR 730.2	490	722.3	490	721.2	500	721.9	508	730.2	508	
GR 729.7	640	720.7	640	719.4	650	720.1	660	729.9	660	
GR 742	930									
X1 77315				30	30	30				
X2										1
NH 5	.09	492	.065	510	.09	641	.065	660	.09	
NH 910										
X1 77320	21	492	510	5	5	5				
X3 10							729.6	729.6		
GR 736.8	0	735.3	90	735.0	100	733.0	150	731.8	330	
GR 728.5	450	726.5	492	722.2	497	721.0	503	721.5	509	
GR 725.9	510	726.1	545	725.1	555	725.1	632	726.0	641	
GR 721.0	650	720.9	650	727.8	668	733.2	785	734.9	820	
GR 740.5	910									
X1 77400	20	492	510	80	80	80				
GR 736.8	0	735.3	90	733.0	150	731.8	330	728.5	450	
GR 726.5	492	722.2	497	721.0	503	721.5	509	725.9	510	
GR 726.1	545	725.1	555	725.1	632	726.0	641	721.0	650	
GR 720.9	660	727.8	668	733.2	785	734.9	820	740.5	910	

NC			.1	.3						
NH	5	.09	510	.065	530	.09	715	.065	740	.090
NH	850									
X1	78320	17	510	530	920	920	920			
GR	746.2	0	736.0	135	730.5	435	729.0	510	723.2	511
GR	723.7	525	728.8	530	728.3	600	727.3	690	731.6	715
GR	725.5	725	725.3	730	725.6	735	732.6	740	733.7	785
GR	742.5	840	746.0	850						
NH	5	.09	460	.065	490	.09	1000	.065	1015	.09
NH	1335									
X1	79420	22	460	490	1100	1100	1100			
GR	743.3	0	740.2	45	731.9	460	726.2	465	725.5	470
GR	726.3	480	728.9	483	732.1	490	731.2	520	730.5	650
GR	730.2	715	730.4	805	730.4	895	731.0	1000	726.7	1003
GR	726.2	1010	731.1	1015	729.9	1040	730.2	1160	729.5	1215
GR	735.3	1255	748.0	1335						
NC	.08	.08	.065	.1	.3					
QT	5	1775	3000	3775	5800	3775				
X1	81000	19	960	992	1580	1580	1580			
GR	752.6	0	749.1	25	737.3	160	737.0	210	736.0	380
GR	735.8	595	735.9	630	734.7	750	734.1	835	734.1	960
GR	727.8	963	727.5	970	727.9	988	734.0	992	732.9	1105
GR	735.9	1235	740.7	1260	747.0	1275	752.0	1310		
NC			.6	.8						
X1	81080				80	80	80		-.2	
X3	10							738.7	738.7	
SB	0	1.5	2.5	0	20	0	330	.76	727.7	728.3
X1	81120	23	785	815	40	40	40		-.2	

X2		1	737.9	738.7						
X3	10						738.7	738.7		
BT	6	145	741.0		660	738.7		785	740.0	737.9
BT	815	739.8	737.9	970	740.2		1215	750.5		
GR	749.4	0	749.1	10	740.4	40	740.1	65	741.0	145
GR	738.8	265	738.9	285	735.8	410	737.5	455	734.9	665
GR	733.1	785	730.5	795	728.0	798	727.5	808	730.2	809
GR	733.6	815	734.3	925	734.2	970	734.0	1060	736.7	1065
GR	738.0	1085	740.6	1150	747.0	1215				
NC	.08	.08	.065	.1	.3					
X1	81200	22	785	815	80	80	80			
GR	749.4	0	749.1	10	740.4	40	740.1	65	741.0	145
GR	738.8	265	738.9	285	735.8	410	737.5	455	734.9	665
GR	733.1	785	730.5	795	728.0	798	727.5	808	730.2	809
GR	733.6	815	734.3	925	734.0	1060	736.7	1065	738.0	1085
GR	740.6	1150	747.0	1215						
NC			.1	.3						
QT	6	840	1700	2800	3500	3500	5200			
X1	83375	14	722	740	2175	2175	2175			
GR	750.0	0	748.1	52	744.3	295	743.0	299	743.0	335
GR	739.5	525	740.0	710	739.8	722	735.5	725	734.6	730
GR	735.4	735	740.0	740	740.0	948	752.2	983		
NC	.09	.09	.06	.1	.3					
QT	6	1650	2800	3500	5300	3500				
X1	85250	15	339	358	1875	1875	1875			
GR	755.7	0	755.7	100	750.3	200	744.2	320	743.0	339
GR	740.0	340	740.0	348	740.3	353	743.5	358	743.5	550
GR	743.9	570	745.0	640	747.4	665	752.8	710	755.7	730

-1.61

-0.52

NC	.08	.08	.065	.1	.3					
QT	5	1450	2375	3000	4450	3000				
X1 86700	17	582	623	1450	1450	1450				
GR 759.5	0	754.0	150	749.3	270	748.0	368	745.0	520	
GR 746.2	545	746.2	582	744.3	592	740.6	597	740.3	605	
GR 741.0	612	744.9	620	746.2	623	747.7	740	748.9	823	
GR 757.6	953	762.0	1010							
NC			.6	.8						
X1 86790				80	80	80			-.7	
X3	10						751.0	751.0		
SB	0	1.5	2.5	0	30	0	410	1.08	741.0	741.0
X1 86820	19	582	623	40	40	40			-.7	
X2		1	749.0	751.0						
X3	10						751.0	751.0		
BT	6	0	755.7	15	755.2		582	750.9	749.0	
BT	623	750.9	749.0	795	751.9		1010	761.3		
GR 759.5	0	759.0	15	754.0	150	749.3	270	758.0	368	
GR 745.0	520	746.2	545	746.2	582	744.3	592	740.6	597	
GR 740.3	605	740.	612	744.9	620	746.2	623	747.7	740	
GR 748.5	795	748.9	823	757.6	953	762.0	1010			
NC	.08	.08	.065	.1	.3					
X1 86900	14	425	445	80	80	80				
GR 760.9	0	754.7	100	750.0	180	746.7	295	747.2	425	
GR 740.8	430	740.3	435	740.6	442	745.5	445	746.2	532	
GR 747.0	560	747.2	598	751.5	765	756.8	825	760.9	905	
NC			.1	.3						
NC	.085	.085	.065	.1	.3					
X1 87800	17	270	298	900	900	900				

GR 760.3	0	756.1	40	748.6	155	748.4	220	747.5	270
GR 742.2	275	741.9	280	741.8	285	746.8	290	748.5	298
GR 748.1	330	748.3	555	750.2	665	750.0	735	758.5	815
GR 761.1	885	763.0	890						
QT 5	680	1050	1300	1850	1300				
X1 89150	15	1442	1470	1350	1350	1350		-2.6	
GR 768.3	1000	763.7	1100	758.8	1200	757.8	1300	755.0	1400
GR 755.4	1442	751.3	1451	750.5	1456	750.1	1461	755.8	1470
GR 756.0	1500	756.4	1600	758.1	1700	762.6	1800	764.7	1830
X1 89200	19	1400.3	1413.8	50	50	50			
GR 767.2	1000	762.4	1051	757.5	1151	756.5	1251	753.7	1351
GR 754.1	1393	751.4	1400.3	750.0	1401	749.4	1404	749.2	1407
GR 749.4	1410	750.0	1413	751.4	1413.8	754.5	1421	754.7	1451
GR 755.1	1551	756.8	1651	761.3	1751	763.7	1800		
SB 0.9	1.5	2.5	0	13.5	0.01	88			
X1 89252	0	0	0	52	52	52			
X2		1	757.2						
BT 15	1000	767.2	0	1100	762.5	0	1200	759.6	0
BT 1300	758.6	0	1400.3	759.2	751.4	1401	759.2	753.5	1404
BT 759.2	756.4	1407	759.2	757.2	1410	759.2	756.4	1413	759.2
BT 753.5	1413.8	759.2	751.4	1500	758.5	0	1600	759.0	0
BT 1700	760.6	0	1800	763.7	0				
X1 89302	15	1442	1470	50	50	50			
GR 768.3	1000	763.7	1100	758.8	1200	757.8	1300	755.0	1400
GR 755.4	1442	751.3	1451	750.5	1456	750.1	1461	755.8	1470
GR 756.0	1500	756.4	1600	758.1	1700	762.6	1800	764.7	1830
QT 5	390	620	720	1100	720				
X1 92350	12	1400	1413	3048	3048	3048			

0.31



GR 778.9	1000	774.3	1100	772.8	1200	771.4	1300	772.2	1400
GR 767.8	1403	767.7	1408	767.8	1412	770.6	1413	774.3	1469
GR 781.1	1500	787.3	1530						
QT 5	310	480	620	860	620				
X1 94900	11	1189	1200	2550	2550	2550			
GR 807.3	1000	793.7	1100	790.1	1138	789.4	1189	785.6	1190
GR 785.3	1194	785.7	1198	790.1	1200	793.1	1300	803.4	1400
GR 805.0	1406								
QT 5	135	210	275	385	275				
X1 96927	13	1170	1174	2027	2027	2027			
GR 830.6	1000	819.3	1100	814.2	1160	811.7	1165	810.9	1170
GR 808.9	1171	808.9	1172	808.9	1173	811.2	1174	816.0	1200
GR 823.1	1300	823.1	1400	824.0	1500				
X1 96977	19	1243.2	1246.8	50	50	50			
GR 833.1	1000	826.4	1100	824.4	1150	821.6	1173	816.5	1233
GR 814.0	1238	813.0	1243.2	812.2	1243.4	811.5	1244	811.2	1245
GR 811.5	1246	812.2	1246.6	813.0	1246.8	818.3	1273	823.0	1340
GR 823.9	1400	824.7	1500	824.2	1600				
SB 0.9	1.5	2.5	0	3.6	0.01	10			
X1 97023	0	0	0	46	46	46			
X2		1	814.8						
BT 14	1000	833.1	0	1100	826.4	0	1200	822.2	0
BT 1243.2	821.6	813.0	1243.4	821.6	813.8	1244	821.6	814.5	1245
BT 821.6	814.8	1246	821.6	814.5	1246.6	821.6	813.8	1246.8	821.6
BT 813.0	1300	822.3	0	1400	823.9	0	1500	824.7	0
BT 1600	824.2	0							
X1 97073	13	1170	1174	50	50	50		+4.1	
GR 830.6	1000	819.3	1100	814.2	1160	811.7	1165	810.9	1170

GR 808.9 1171 808.9 1172 808.9 1173 811.2 1174 816.0 1200

GR 823.1 1300 823.1 1400 824.0 1500

EJ

T1 ROWAN COUNTY BASIN G STREAM 1 CRANE CREEK

T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918

T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1 -10 3 .00102 628.8

J2 2 -1

T1 ROWAN COUNTY BASIN G STREAM 1 CRANE CREEK

T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918

T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1 -10 4 .00102 631.8

J2 3 -1

T1 ROWAN COUNTY BASIN G STREAM 1 CRANE CREEK

T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918

T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1 -10 5 .00102 633.8

J2 15 -1

EJ

ER

/\*EOF

3 USED=242K CPU--0:08.5 DISK--461 REWIND--0:00.0  
 6 I/O---0:17.3 TAPE-----0 FL SR---0:00.0

CRNEX3 TIME--0:25.8

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

C  
 T1 ROWAN COUNTY BASIN G STREAM 1 CRANE CREEK  
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIENSON COUNTIES M-G JOB. NO. 6918  
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	IVO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	-1.	2.	0.	0.	0.0	0.0	0.0	0.	735.100	0.0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FM	ALLOC	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	201.000	0.0	0.0	0.0	0.0	0.0
WC	0.085	0.085	0.050	0.100	0.300	0.0	0.0	0.0	0.0	0.0

T1 ROWAN COUNTY BASIN G STREAM 1 CRANE CREEK  
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918  
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	F0
	-1.	2.	0.	0.	0.0	0.0	0.0	0.	735.100	0.0
J2	MPROF	IPILOT	PRFVS	XSECV	XSECH	FM	ALLOC	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	201.000	0.0	0.0	0.0	0.0	0.0
NC	0.085	0.085	0.050	0.100	0.300	0.0	0.0	0.0	0.0	0.0
DT	5.000	2100.000	3500.000	4300.000	6800.000	4300.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0
X1	81920.000	19.000	960.000	992.000	81920.000	81920.000	81920.000	81920.000	0.0	0.0
GR	752.600	0.0	749.100	25.000	737.300	160.000	737.000	210.000	736.000	380.000
GR	735.800	595.000	735.900	630.000	734.700	750.000	734.100	835.000	734.100	960.000
GR	727.800	963.000	727.500	970.000	727.900	988.000	734.000	992.000	732.900	1105.000
GR	735.900	1235.000	740.700	1260.000	747.000	1275.000	752.000	1310.000	0.0	0.0
NC	0.0	0.0	0.0	0.600	0.800	0.0	0.0	0.0	0.0	// 0.0
X1	82000.000	0.0	0.0	0.0	80.000	80.000	80.000	80.000	0.0	-0.200
SB	0.0	1.500	2.500	0.0	20.000	0.0	330.000	0.760	727.700	728.300
	<i>82020</i>	RDNO	GLOVER ROAD	MXLCEL	737.9	RDELV	739.8			
X1	82040.000	23.000	725.000	815.000	40.000	40.000	40.000	0.0	-0.200	0.0
X2	0.0	0.0	1.000	737.900	738.700	0.0	0.0	0.0	0.0	0.0
DT	6.000	145.000	741.000	0.0	660.000	738.700	0.0	785.000	740.000	737.900
BT	815.000	739.800	737.900	970.000	740.200	0.0	1215.000	750.500	0.0	0.0
GR	749.400	0.0	749.100	10.000	740.400	40.000	740.100	65.000	741.000	145.000
GR	738.800	265.000	730.900	285.000	735.800	410.000	737.500	455.000	734.900	665.000
GR	733.100	785.000	730.500	795.000	728.000	798.000	727.500	808.000	730.200	809.000
GR	733.600	315.000	734.300	925.000	734.200	970.000	734.000	1060.000	736.700	1065.000
GR	738.000	1085.000	740.600	1150.000	747.000	1215.000	0.0	0.0	0.0	0.0
NC	0.060	0.080	0.065	0.100	0.300	0.0	0.0	0.0	0.0	0.0

GR	749.400	0.0	749.100	10.000	740.400	40.000	740.100	65.000	741.000	145.000
GR	738.800	265.000	738.900	285.000	735.800	410.000	737.500	455.000	734.900	665.000
GR	733.100	785.000	730.500	795.000	728.000	798.000	727.500	808.000	730.200	809.000
GR	733.600	815.000	734.300	925.000	734.200	970.000	734.000	1060.000	736.700	1065.000
GR	730.000	1085.000	740.600	1150.000	747.000	1215.000	0.0	0.0	0.0	0.0
NC	0.060	0.080	0.065	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	820.800	0.0	0.0	0.0	40.000	40.000	40.000	0.0	0.100	0.0
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X1	82120.000	22.000	785.000	815.000	40.000	40.000	40.000	0.0	0.0	0.0
GR	749.400	0.0	749.100	10.000	740.400	40.000	740.100	65.000	741.000	145.000
GR	738.800	265.000	738.900	285.000	735.800	410.000	737.500	455.000	734.900	665.000
GR	733.100	785.000	730.500	795.000	728.000	798.000	727.500	808.000	730.200	809.000
GR	733.600	815.000	734.300	925.000	734.000	1060.000	736.700	1065.000	738.000	1085.000
GR	740.600	1150.000	747.000	1215.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	820.600	0.0	0.0	0.0	740.000	740.000	740.000	0.0	2.400	0.0
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X1	836.050	0.0	0.0	0.0	745.000	745.000	745.000	0.0	2.400	0.0
NC	0.0	0.0	0.0	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	1700.000	2800.000	3500.000	5200.000	3500.000	0.0	0.0	0.0	0.0

X1	84350.000	14.000	722.000	740.000	745.000	745.000	745.000	0.0	0.0	0.0
GR	750.000	0.0	748.100	52.000	744.300	295.000	743.000	299.000	743.000	335.000
GR	739.500	525.000	740.000	710.000	739.800	722.000	735.500	725.000	734.600	730.000
GR	735.400	735.000	740.000	740.000	740.000	948.000	752.200	983.000	0.0	0.0
NC	0.090	0.090	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	84988.000	0.0	0.0	0.0	638.000	638.000	638.000	0.0	1.800	0.0
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X1	85624.000	0.0	0.0	0.0	636.000	636.000	636.000	0.0	1.800	0.0
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X1	86250.000	15.000	339.000	358.000	636.000	636.000	636.000	0.0	0.0	0.0
GR	755.700	0.0	755.700	100.000	750.300	200.000	744.200	320.000	743.000	339.000
GR	740.000	340.000	740.000	348.000	740.300	353.000	743.500	358.000	743.500	550.000
GR	743.900	570.000	745.000	640.000	747.400	665.000	752.800	710.000	755.700	730.000
NC	0.080	0.080	0.065	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	87470.000	17.000	582.000	623.000	1210.000	1210.000	1210.000	0.0	0.0	0.0
GR	759.500	0.0	754.000	150.000	749.300	270.000	748.000	368.000	745.000	520.000
GR	744.200	545.000	746.200	582.000	744.300	592.000	740.600	597.000	740.300	605.000

X1	86260.000	15.000	339.000	358.000	636.000	636.000	636.000	0.0	0.0	0.0
GR	755.700	0.0	755.700	100.000	750.300	200.000	744.200	320.000	743.000	339.000
GR	740.000	340.000	740.000	348.000	740.300	353.000	743.500	358.000	743.500	550.000
GR	743.900	570.000	745.000	640.000	747.400	665.000	752.800	710.000	755.700	730.000
NC	0.080	0.080	0.065	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	87470.000	17.000	582.000	623.000	1210.000	1210.000	1210.000	0.0	0.0	0.0
GR	759.500	0.0	754.000	150.000	749.300	270.000	748.000	368.000	745.000	520.000
GR	746.200	545.000	746.200	582.000	744.300	592.000	740.600	597.000	740.300	605.000
GR	741.000	612.000	744.900	620.000	746.200	623.000	747.700	740.000	748.900	823.000
GR	757.600	953.000	762.000	1010.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.0	0.0	0.0	0.600	0.800	0.0	0.0	0.0	0.0	0.0

X1	87550.000	0.0	0.0	0.0	80.000	80.000	80.000	0.0	-0.700	0.0
SB	0.0	1.500	2.500	0.0	30.000	0.0	410.000	1.080	741.000	741.000

87570 RONO GLOVER ROAD      MXICEL 749.0      ROELV. 750.9

X1	87590.000	19.000	582.000	623.000	40.000	40.000	40.000	0.0	-0.700	0.0
X2	0.0	0.0	1.000	749.000	751.000	0.0	0.0	0.0	0.0	0.0
BT	6.000	0.0	755.700	0.0	15.000	755.200	0.0	582.000	750.900	749.000
BT	623.000	750.900	749.000	795.000	751.900	0.0	1010.000	761.300	0.0	0.0
GR	759.500	0.0	759.000	15.000	754.000	150.000	749.300	270.000	758.000	368.000
GR	745.000	520.000	746.200	545.000	746.200	582.000	744.300	592.000	740.600	597.000
GR	740.300	605.000	740.000	612.000	744.900	620.000	746.200	623.000	747.700	740.000
GR	749.500	795.000	748.900	823.000	757.600	953.000	762.000	1010.000	0.0	0.0
NC	0.080	0.080	0.065	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	1420.000	2400.000	2950.000	4200.000	2950.000	0.0	0.0	0.0	0.0

X1	876.300	0.0	0.0	0.0	40.000	40.000	40.000	0.0	0.500	0.0
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X1	87670.000	14.000	425.000	445.000	40.000	40.000	40.000	0.0	0.0	0.0
GR	760.900	0.0	754.700	100.000	750.000	180.000	746.700	295.000	747.200	425.000
GR	740.800	430.000	740.300	435.000	740.600	442.000	745.500	445.000	746.200	532.000
GR	747.000	560.000	747.200	598.000	751.500	755.000	756.800	825.000	760.900	905.000
NC	0.085	0.085	0.065	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	1250.000	2100.000	2600.000	3500.000	2600.000	0.0	0.0	0.0	0.0

X1	88800.000	17.000	270.000	298.000	1130.000	1130.000	1130.000	0.0	0.0	0.0
GR	760.300	0.0	756.100	40.000	748.600	155.000	748.400	220.000	747.500	270.000
GR	742.200	275.000	741.900	280.000	741.800	285.000	746.000	290.000	748.500	298.000
GP	748.100	330.000	748.300	555.000	750.200	665.000	750.000	735.000	750.500	815.000

GR	740.800	430.000	740.300	435.000	740.600	442.000	745.500	445.000	746.200	532.000
GR	747.000	560.000	747.200	598.000	751.500	765.000	756.800	825.000	760.900	905.000
NC	0.065	0.085	0.065	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	1250.000	2100.000	2600.000	3500.000	2600.000	0.0	0.0	0.0	0.0

X1	88800.000	17.000	270.000	298.000	1130.000	1130.000	1130.000	0.0	0.0	0.0
GR	760.300	0.0	756.100	40.000	748.600	155.000	748.400	220.000	747.500	270.000
GR	742.200	275.000	741.900	220.000	741.800	285.000	746.800	290.000	748.500	298.000
GR	748.100	330.000	748.300	555.000	750.200	665.000	750.000	735.000	758.500	815.000
GR	761.100	885.000	763.000	290.000	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	660.000	1010.000	1250.000	1800.000	1250.000	0.0	0.0	0.0	0.0

X1	90105.000	15.000	1442.000	1470.000	1305.000	1305.000	1305.000	0.0	-2.600	0.0
GR	768.300	1000.000	763.700	1100.000	756.800	1200.000	757.800	1300.000	755.000	1400.000
GR	755.400	1442.000	751.300	1451.000	750.500	1456.000	750.100	1461.000	755.800	1470.000
GR	756.000	1500.000	756.400	1600.000	758.100	1700.000	762.600	1800.000	764.700	1830.000

X1	90155.000	19.000	1400.300	1413.800	50.000	50.000	50.000	0.0	0.0	0.0
GR	767.200	1000.000	762.400	1051.000	757.500	1151.000	756.500	1251.000	753.700	1351.000
GR	754.100	1393.000	751.400	1400.300	750.000	1401.000	749.400	1404.000	749.200	1407.000
GR	749.400	1410.000	750.000	1413.000	751.400	1413.800	754.500	1421.000	754.700	1451.000
GR	755.100	1551.000	756.200	1651.000	761.300	1751.000	763.700	1800.000	0.0	0.0
SR	0.900	1.500	2.500	0.0	13.500	0.010	88.000	0.0	0.0	0.0

90140 RDMO NCSR 1002 MXLCEL 757.2 RDELV 759.2

X1	90207.000	0.0	0.0	0.0	52.000	52.000	52.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	757.200	0.0	0.0	0.0	0.0	0.0	0.0
BT	15.000	1000.000	767.200	0.0	1100.000	762.500	0.0	1200.000	759.600	0.0
BT	1300.000	758.600	0.0	1400.300	759.200	751.400	1401.000	759.200	753.500	1404.000
BT	759.200	756.400	1407.000	759.200	757.200	1410.000	759.200	756.400	1413.000	759.200
BT	753.500	1413.800	759.200	751.400	1500.000	758.500	0.0	1600.000	759.000	0.0
BT	1700.000	760.600	0.0	1800.000	763.700	0.0	0.0	0.0	0.0	0.0

X1	90257.000	15.000	1442.000	1470.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	760.300	1000.000	763.700	1100.000	758.800	1200.000	757.800	1300.000	755.000	1400.000
GR	755.400	1442.000	751.300	1451.000	750.500	1456.000	750.100	1461.000	755.800	1470.000
GR	756.000	1500.000	756.400	1600.000	758.100	1700.000	762.600	1800.000	764.700	1830.000
QT	5.000	350.000	530.000	655.000	920.000	655.000	0.0	0.0	0.0	0.0

X1	93500.000	12.000	1400.000	1413.000	3243.000	3243.000	3243.000	0.0	0.0	0.0
GR	778.900	1000.000	774.300	1100.000	772.800	1200.000	771.400	1300.000	772.200	1400.000
GR	767.800	1403.000	767.700	1408.000	767.800	1412.000	770.600	1413.000	774.300	1469.000
GR	761.100	1500.000	767.700	1570.000	0.0	0.0	0.0	0.0	0.0	0.0





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 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977  
 ERROR CORR - 01  
 MODIFICATION - 50,51,52  
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*Plot only  
 checked 1000-10  
 14-4  
 Change made*

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

10 YEAR FLOOD WATER SURF  
 SUMMARY PRINTOUT

X3 Cards removed

SECTNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRISW	VCH	SSTA	ENDST	AREA	DIFWSP
81920.000	81920.00	0.0	0.0	2100.00	727.50	735.10	0.0	6.60	709.98	1200.34	698.29	0.0
81920.000	81920.00	0.0	0.0	3500.00	727.50	736.10	0.0	6.71	363.02	1236.04	1310.17	1.00
81920.000	81920.00	0.0	0.0	4300.00	727.50	736.70	0.0	6.07	251.01	1239.17	1865.62	0.60
81920.000	81920.00	0.0	0.0	6800.00	727.50	738.10	0.0	5.24	150.84	1246.46	3354.97	1.40
82000.000	80.00	0.0	0.0	2100.00	727.30	735.85	0.0	4.12	370.57	1235.81	1271.59	0.0
82000.000	80.00	0.0	0.0	3500.00	727.30	736.67	0.0	4.54	230.69	1240.10	2042.83	0.83
82000.000	80.00	0.0	0.0	4300.00	727.30	737.08	0.0	4.63	163.34	1242.19	2461.84	0.41
82000.000	80.00	0.0	0.0	6800.00	727.30	738.29	0.0	4.55	146.34	1248.51	3787.39	1.21
82040.000	40.00	738.70	737.90	2100.00	727.30	735.85	735.10	8.31	400.01	1063.79	489.42	0.0
82040.000	40.00	738.70	737.90	3500.00	727.30	736.57	736.28	11.58	370.83	1066.09	594.33	0.72
82040.000	40.00	738.70	737.90	4300.00	727.30	736.90	736.61	13.22	357.47	1071.19	642.39	0.33
82040.000	40.00	738.70	737.90	6800.00	727.30	741.09	0.0	2.89	36.91	1157.06	5299.19	4.19
820.800	40.00	0.0	0.0	2100.00	727.40	736.75	0.0	2.78	367.35	1067.42	1430.38	0.0
820.800	40.00	0.0	0.0	3500.00	727.40	738.18	0.0	2.60	309.98	1092.00	2460.97	1.43
820.800	40.00	0.0	0.0	4300.00	727.40	738.94	0.0	2.48	251.87	1111.01	3079.40	0.76
820.800	40.00	0.0	0.0	6800.00	727.40	741.12	0.0	2.21	37.15	1156.36	5222.65	2.18
82120.000	40.00	0.0	0.0	2100.00	727.50	736.81	0.0	2.84	369.37	1066.65	1398.98	0.0
82120.000	40.00	0.0	0.0	3500.00	727.50	738.22	0.0	2.65	312.39	1092.54	2016.12	1.00

820.800	40.00	0.0	0.0	2100.00	727.40	736.75	0.0	2.78	367.35	1067.42	1430.38	0.0
820.800	40.00	0.0	0.0	3500.00	727.40	738.18	0.0	2.60	309.98	1092.00	2460.97	1.43
820.800	40.00	0.0	0.0	4300.00	727.40	738.94	0.0	2.48	251.87	1111.01	3079.40	0.76
820.800	40.00	0.0	0.0	6800.00	727.40	741.12	0.0	2.21	37.15	1156.36	5222.65	2.18
82120.000	40.00	0.0	0.0	2100.00	727.50	736.81	0.0	2.84	369.37	1066.65	1398.98	0.0
82120.000	40.00	0.0	0.0	3500.00	727.50	738.22	0.0	2.65	312.35	1090.54	2415.22	1.41
82120.000	40.00	0.0	0.0	4300.00	727.50	738.97	0.0	2.54	255.72	1109.25	3018.92	0.75
82120.000	40.00	0.0	0.0	6600.00	727.50	741.14	0.0	2.26	37.46	1155.46	5123.79	2.17
828.600	740.00	0.0	0.0	2100.00	729.90	738.40	0.0	4.27	401.71	1063.71	948.42	0.0
828.600	740.00	0.0	0.0	3500.00	729.90	739.38	0.0	4.37	352.30	1069.35	1510.70	0.98
828.600	740.00	0.0	0.0	4300.00	729.90	739.93	0.0	4.27	340.28	1077.75	1890.67	0.55
828.600	740.00	0.0	0.0	6800.00	729.90	741.68	0.0	3.65	238.59	1117.10	3291.02	1.76
836.050	745.00	0.0	0.0	2100.00	732.30	740.99	0.0	3.87	394.44	1064.05	1041.31	0.0
836.050	745.00	0.0	0.0	3500.00	732.30	741.81	0.0	4.31	361.05	1069.83	1531.01	0.83
836.050	745.00	0.0	0.0	4300.00	732.30	742.19	0.0	4.51	345.64	1075.70	1793.75	0.37
836.050	745.00	0.0	0.0	6800.00	732.30	743.23	0.0	4.79	303.94	1095.75	2579.00	1.05
84350.000	745.00	0.0	0.0	1700.00	734.60	742.46	0.0	2.29	364.19	955.06	1404.15	0.0
84350.000	745.00	0.0	0.0	2800.00	734.60	743.34	0.0	2.53	297.94	957.59	1956.10	0.88
84350.000	745.00	0.0	0.0	3500.00	734.60	743.76	0.0	2.69	296.67	958.78	2230.44	0.42
84350.000	745.00	0.0	0.0	5200.00	734.60	744.77	0.0	2.88	264.93	961.68	2909.99	1.01

SECNO	XLCH	ELTRD	ELLC	O	ELMIN	CWSEL	CRWS	VCH	SSTA	ENOST	AREA	DIFWSP
84988.000	638.00	0.0	0.0	1700.00	736.40	743.60	0.0	3.95	400.37	953.15	1023.06	0.0
84988.000	638.00	0.0	0.0	2800.00	736.40	744.45	0.0	4.08	354.32	955.59	1512.53	0.85
84988.000	638.00	0.0	0.0	3500.00	736.40	744.88	0.0	4.20	298.75	956.84	1783.24	0.44
84988.000	638.00	0.0	0.0	5200.00	736.40	745.83	0.0	4.33	295.84	957.55	2408.83	0.95
85624.000	636.00	0.0	0.0	1700.00	738.20	745.54	0.0	3.61	392.62	953.56	1102.53	0.0
85624.000	636.00	0.0	0.0	2800.00	738.20	746.29	0.0	3.97	351.34	955.74	1545.63	0.75
85624.000	636.00	0.0	0.0	3500.00	738.20	746.70	0.0	4.15	298.68	956.91	1799.40	0.41
85624.000	636.00	0.0	0.0	5200.00	738.20	747.54	0.0	4.46	296.11	959.30	2350.05	0.84
86260.000	636.00	0.0	0.0	1700.00	740.00	746.83	0.0	2.96	268.23	659.08	1133.97	0.0
86260.000	636.00	0.0	0.0	2800.00	740.00	747.73	0.0	3.56	250.62	667.72	1495.69	0.90
86260.000	636.00	0.0	0.0	3500.00	740.00	748.20	0.0	3.87	241.31	671.67	1696.36	0.47
86260.000	636.00	0.0	0.0	5200.00	740.00	749.15	0.0	4.50	222.70	679.55	2115.96	0.94

86260.000	636.00	0.0	0.0	1700.00	740.00	746.83	0.0	2.96	260.23	659.08	1133.97	0.0
86260.000	636.00	0.0	0.0	2800.00	740.00	747.73	0.0	3.56	250.62	667.72	1495.69	0.90
86260.000	636.00	0.0	0.0	3500.00	740.00	748.20	0.0	3.87	241.31	671.67	1696.36	0.47
86260.000	636.00	0.0	0.0	5200.00	740.00	749.15	0.0	4.50	222.70	679.55	2115.96	0.94
87470.000	1210.00	0.0	0.0	1700.00	740.30	748.75	0.0	2.96	311.59	812.52	1029.76	0.0
87470.000	1210.00	0.0	0.0	2800.00	740.30	749.77	0.0	3.15	250.07	835.96	1509.20	1.01
87470.000	1210.00	0.0	0.0	3500.00	740.30	750.29	0.0	3.25	244.73	843.77	1896.74	0.52
87470.000	1210.00	0.0	0.0	5200.00	740.30	751.35	0.0	3.47	217.70	859.59	2553.83	1.06
87550.000	80.00	0.0	0.0	1700.00	739.60	748.90	0.0	2.05	262.56	833.33	1488.25	0.0
87550.000	80.00	0.0	0.0	2800.00	739.60	749.90	0.0	2.34	236.75	848.43	2085.90	1.00
87550.000	80.00	0.0	0.0	3500.00	739.60	750.42	0.0	2.49	223.30	856.31	2413.79	0.52
87550.000	80.00	0.0	0.0	5200.00	739.60	751.48	0.0	2.80	196.24	872.15	3107.55	1.06
87590.000	40.00	751.00	749.00	1700.00	739.30	748.91	0.0	4.53	262.18	833.55	550.50	0.0
87590.000	40.00	751.00	749.00	2800.00	739.30	749.88	0.0	6.68	237.23	848.16	561.61	0.98
87590.000	40.00	751.00	749.00	3500.00	739.30	751.78	0.0	2.46	198.84	876.48	2412.47	1.90
87590.000	40.00	751.00	749.00	5200.00	739.30	752.93	0.0	2.84	159.41	893.71	3101.24	1.15
876.300	40.00	0.0	0.0	1420.00	739.80	749.19	0.0	2.42	267.57	830.40	984.32	0.0
876.300	40.00	0.0	0.0	2400.00	739.80	750.51	0.0	2.66	233.94	850.08	1520.53	1.32
876.300	40.00	0.0	0.0	2950.00	739.80	751.81	0.0	2.32	200.92	869.41	2154.19	1.29
876.300	40.00	0.0	0.0	4200.00	739.80	752.97	0.0	2.53	171.41	886.68	2810.13	1.16
87670.000	40.00	0.0	0.0	1420.00	740.30	749.25	0.0	2.47	206.13	677.63	1095.78	0.0
87670.000	40.00	0.0	0.0	2400.00	740.30	750.57	0.0	2.43	170.28	728.92	1779.90	1.32
87670.000	40.00	0.0	0.0	2950.00	740.30	751.84	0.0	1.99	148.73	769.81	2550.27	1.27
87670.000	40.00	0.0	0.0	4200.00	740.30	753.01	0.0	2.08	128.91	782.00	3271.60	1.16
88800.000	1130.00	0.0	0.0	1250.00	741.80	750.47	0.0	2.15	126.51	739.31	1181.60	0.0
88800.000	1130.00	0.0	0.0	2100.00	741.80	751.53	0.0	2.15	110.08	749.39	1852.21	1.06
88800.000	1130.00	0.0	0.0	2600.00	741.80	752.43	0.0	1.92	96.22	757.90	2440.53	0.90
88800.000	1130.00	0.0	0.0	3500.00	741.80	753.53	0.0	1.89	79.41	768.22	3180.53	1.10
90105.000	1305.00	0.0	0.0	660.00	747.50	752.22	0.0	9.03	1443.30	1468.44	73.12	0.0
90105.000	1305.00	0.0	0.0	1010.00	747.50	753.69	753.69	7.28	1353.93	1572.14	210.80	1.47
90105.000	1305.00	0.0	0.0	1250.00	747.50	753.96	753.96	7.62	1344.27	1609.45	278.24	0.27
90105.000	1305.00	0.0	0.0	1800.00	747.50	754.45	754.45	8.01	1326.62	1638.52	420.82	0.49
90155.000	50.00	0.0	0.0	660.00	749.20	754.52	754.52	7.96	1321.59	1424.48	128.63	0.0
90155.000	50.00	0.0	0.0	1010.00	749.20	755.33	755.33	7.50	1292.94	1564.28	285.67	0.80
90155.000	50.00	0.0	0.0	1250.00	749.20	755.55	755.55	7.90	1284.75	1577.78	350.43	0.23
90155.000	50.00	0.0	0.0	1800.00	749.20	755.89	755.89	9.10	1272.94	1597.23	452.47	0.33

	SECNO	YLCH	ELTRD	ELLC	R	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
	90207.000	52.00	756.50	757.20	660.00	749.20	754.52	0.0	7.96	1321.53	1424.74	128.80	0.0
	90207.000	52.00	756.50	757.20	1010.00	749.20	755.33	0.0	7.50	1292.92	1564.33	285.87	0.80
*	90207.000	52.00	758.50	757.20	1250.00	749.20	755.87	0.0	6.37	1273.44	1596.41	447.96	0.55
	90207.000	52.00	758.50	757.20	1800.00	749.20	755.89	0.0	9.09	1272.91	1597.29	452.78	0.01
	90257.000	50.00	0.0	0.0	660.00	750.10	755.56	754.63	6.83	1379.99	1469.62	113.78	0.0
AM*	90257.000	50.00	0.0	0.0	1010.00	750.10	756.28	756.24	7.31	1354.26	1570.19	209.10	0.72
*	90257.000	50.00	0.0	0.0	1250.00	750.10	756.67	756.67	7.10	1340.30	1615.98	308.28	0.39
*	90257.000	50.00	0.0	0.0	1800.00	750.10	757.04	757.04	8.08	1327.09	1637.73	416.64	0.37
	93500.000	3243.00	0.0	0.0	350.00	767.70	773.17	0.0	2.02	1175.27	1451.91	351.07	0.0
AN	93500.000	3243.00	0.0	0.0	530.00	767.70	773.62	0.0	2.16	1145.18	1458.74	494.23	0.45
	93500.000	3243.00	0.0	0.0	655.00	767.70	773.83	0.0	2.33	1131.66	1461.81	559.50	0.20
	93500.000	3243.00	0.0	0.0	920.00	767.70	774.37	0.0	2.36	1098.45	1469.33	751.95	0.54
*	96000.000	2500.00	0.0	0.0	300.00	785.30	788.85	788.85	9.80	1189.15	1199.43	30.63	0.0
AO*	96000.000	2500.00	0.0	0.0	430.00	785.30	790.46	790.46	7.24	1134.17	1212.09	87.23	1.61
*	96000.000	2500.00	0.0	0.0	530.00	785.30	790.71	790.71	7.64	1131.59	1220.24	107.58	0.24
*	96000.000	2500.00	0.0	0.0	760.00	785.30	791.17	791.17	8.17	1126.67	1235.77	153.67	0.47
	97975.000	1975.00	0.0	0.0	90.00	808.90	814.47	812.07	1.77	1156.86	1191.69	72.85	0.0
	97975.000	1975.00	0.0	0.0	150.00	808.90	814.60	0.0	2.79	1153.34	1192.39	77.51	0.12
	97975.000	1975.00	0.0	0.0	180.00	808.90	814.97	0.0	2.85	1150.94	1194.42	92.58	0.38
	97975.000	1975.00	0.0	0.0	245.00	808.90	815.60	0.0	3.00	1143.53	1197.83	123.34	0.62
*	98025.000	50.00	0.0	0.0	90.00	811.20	814.31	814.31	6.83	1237.38	1253.28	18.11	0.0
AP*	98025.000	50.00	0.0	0.0	150.00	811.20	814.80	814.80	7.96	1236.39	1255.72	26.81	0.45
*	98025.000	50.00	0.0	0.0	180.00	811.20	815.01	815.01	8.39	1235.99	1256.71	30.83	0.20
	98025.000	50.00	0.0	0.0	245.00	811.20	815.57	0.0	8.17	1234.85	1259.54	43.80	0.56
	98071.000	46.00	821.60	814.80	90.00	811.20	816.15	0.0	2.25	1233.70	1262.37	59.11	0.0
	98071.000	46.00	821.60	814.80	150.00	811.20	820.04	0.0	0.82	1191.30	1297.87	298.95	3.85
	98071.000	46.00	821.60	814.80	180.00	811.20	821.91	0.0	0.56	1170.39	1324.56	543.91	1.88
	98071.000	46.00	821.60	814.80	245.00	811.20	822.35	0.0	0.67	1165.77	1330.84	614.07	0.44
*	98121.000	50.00	0.0	0.0	90.00	813.00	816.17	816.17	6.88	1164.25	1178.74	16.64	0.0
AQ	98121.000	50.00	0.0	0.0	150.00	813.00	820.04	0.0	1.61	1139.47	1199.70	143.10	3.87
	98121.000	50.00	0.0	0.0	180.00	813.00	821.92	0.0	0.95	1117.45	1225.58	300.22	1.87
	98121.000	50.00	0.0	0.0	245.00	813.00	822.36	0.0	1.11	1112.26	1231.79	350.44	0.44

SUMMARY OF ERRORS

SUMMARY PRINTOUT

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CNSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
A 800.000	800.00	0.0	0.0	1600.00	652.20	661.27	0.0	4.53	1694.30	2428.28	894.28	0.0
800.000	800.00	0.0	0.0	2710.00	652.20	661.88	0.0	4.81	1684.89	2440.04	1349.74	0.61
800.000	800.00	0.0	0.0	3190.00	652.20	662.10	0.0	4.91	1681.50	2444.28	1516.86	0.22
800.000	800.00	0.0	0.0	4940.00	652.20	662.78	0.0	5.25	1671.10	2457.28	2040.59	0.68
B 2400.000	1600.00	0.0	0.0	1295.00	659.00	665.23	0.0	2.35	83.49	625.46	1110.15	0.0
2400.000	1600.00	0.0	0.0	2200.00	659.00	665.99	0.0	2.69	76.47	628.27	1530.12	0.76
2400.000	1600.00	0.0	0.0	2610.00	659.00	666.28	0.0	2.83	73.85	629.32	1689.52	0.29
2400.000	1600.00	0.0	0.0	4000.00	659.00	667.14	0.0	3.19	57.59	632.48	2175.22	0.86
C 4225.000	1825.00	0.0	0.0	1295.00	662.20	668.51	0.0	3.21	276.10	886.50	952.04	0.0
4225.000	1825.00	0.0	0.0	2200.00	662.20	669.26	0.0	3.34	268.77	887.61	1413.40	0.75
4225.000	1825.00	0.0	0.0	2610.00	662.20	669.56	0.0	3.40	265.87	888.05	1597.14	0.30
4225.000	1825.00	0.0	0.0	4000.00	662.20	670.43	0.0	3.61	257.35	889.73	2143.29	0.87
D 5900.000	1675.00	0.0	0.0	1295.00	663.50	672.30	0.0	3.48	212.50	558.95	752.14	0.0
5900.000	1675.00	0.0	0.0	2200.00	663.50	673.13	0.0	4.09	211.13	559.34	1037.96	0.83
5900.000	1675.00	0.0	0.0	2610.00	663.50	673.44	0.0	4.31	210.60	559.49	1147.88	0.31
5900.000	1675.00	0.0	0.0	4000.00	663.50	674.36	0.0	4.91	209.07	559.93	1469.50	0.92
E 7650.000	1750.00	0.0	0.0	1050.00	669.00	676.12	0.0	3.32	64.57	445.98	658.13	0.0
7650.000	1750.00	0.0	0.0	1830.00	669.00	677.11	0.0	3.47	51.10	469.54	1054.67	0.99
7650.000	1750.00	0.0	0.0	2160.00	669.00	677.46	0.0	3.53	48.12	477.93	1204.19	0.35
7650.000	1750.00	0.0	0.0	3150.00	669.00	678.43	0.0	3.64	42.87	501.03	1634.89	0.97
7720.000	70.00	0.0	0.0	1050.00	671.10	676.15	0.0	5.76	225.94	306.65	246.94	0.0
7720.000	70.00	0.0	0.0	1830.00	671.10	676.87	0.0	8.30	221.40	311.65	309.12	0.72
7720.000	70.00	0.0	0.0	2160.00	671.10	677.09	0.0	9.30	220.07	313.12	328.75	0.22
7720.000	70.00	0.0	0.0	3150.00	671.10	677.64	0.0	11.92	216.60	316.95	382.50	0.55
* 7780.000	60.00	684.20	681.70	1050.00	671.10	676.26	0.0	5.59	225.25	307.40	255.89	0.0
* 7780.000	60.00	684.20	681.70	1830.00	671.10	678.09	0.0	6.29	213.84	319.98	428.12	1.83
* 7780.000	60.00	684.20	681.70	2160.00	671.10	678.91	0.0	6.29	208.75	325.60	519.20	0.82
* 7780.000	60.00	684.20	681.70	3150.00	671.10	681.14	0.0	6.20	194.82	340.95	812.74	2.23
F 7850.000	70.00	0.0	0.0	1050.00	668.30	676.83	0.0	2.39	83.70	533.35	908.12	0.0
7850.000	70.00	0.0	0.0	1830.00	668.30	678.64	0.0	1.83	66.58	550.22	1764.43	1.82
7850.000	70.00	0.0	0.0	2160.00	668.30	679.42	0.0	1.70	61.33	554.12	2145.52	0.78
7850.000	70.00	0.0	0.0	3150.00	668.30	681.58	0.0	1.51	48.08	561.18	3227.55	2.15

7850.000 70.00 0.0 0.0 3150.00 668.30 681.58 0.0 1.51 40.08 561.18 3227.55 2.15

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWEZL	CRWS	VCH	SSTA	EMOST	AREA	DIFWSP
9600.000	1750.00	0.0	0.0	1050.00	675.70	681.09	0.0	4.18	483.97	951.93	573.09	0.0
9600.000	1750.00	0.0	0.0	1830.00	675.70	681.19	0.0	6.71	482.67	952.34	613.69	0.10
9600.000	1750.00	0.0	0.0	2160.00	675.70	681.39	0.0	6.68	479.76	953.27	705.22	0.19
9600.000	1750.00	0.0	0.0	3150.00	675.70	682.64	0.0	4.49	448.24	959.25	1317.93	1.25
* 98.000	200.00	0.0	0.0	975.00	678.00	682.93	682.93	6.60	494.60	949.11	356.02	0.0
98.000	200.00	0.0	0.0	1720.00	678.00	683.64	0.0	5.49	480.32	953.09	687.40	0.71
98.000	200.00	0.0	0.0	2040.00	678.00	683.80	0.0	5.76	478.04	953.82	759.35	0.15
98.000	200.00	0.0	0.0	3040.00	678.00	684.00	683.61	7.38	474.92	954.80	857.65	0.21
100.000	200.00	0.0	0.0	975.00	680.30	685.49	0.0	4.87	487.23	950.88	471.66	0.0
100.000	200.00	0.0	0.0	1720.00	680.30	685.79	0.0	6.27	482.58	952.37	616.44	0.31
100.000	200.00	0.0	0.0	2040.00	680.30	685.97	0.0	6.31	479.76	953.27	705.08	0.18
100.000	200.00	0.0	0.0	3040.00	680.30	686.56	0.0	6.21	467.40	956.05	984.52	0.59
10200.000	200.00	0.0	0.0	975.00	682.70	686.61	0.0	2.58	128.04	717.67	758.30	0.0
G 10200.000	200.00	0.0	0.0	1720.00	682.70	687.17	0.0	2.90	123.12	757.13	1094.58	0.55
10200.000	200.00	0.0	0.0	2040.00	682.70	687.35	0.0	3.05	121.50	770.04	1209.87	0.18
10200.000	200.00	0.0	0.0	3040.00	682.70	687.85	0.0	3.38	116.90	795.19	1551.71	0.51
12800.000	2600.00	0.0	0.0	975.00	684.90	689.86	0.0	1.56	146.20	614.46	1116.47	0.0
12800.000	2600.00	0.0	0.0	1720.00	684.90	690.76	0.0	1.90	131.78	637.97	1555.54	0.90
N 12800.000	2600.00	0.0	0.0	2040.00	684.90	691.09	0.0	2.01	126.60	646.42	1721.72	0.32
12800.000	2600.00	0.0	0.0	3040.00	684.90	691.93	0.0	2.33	113.12	668.39	2174.39	0.84
14300.000	1500.00	0.0	0.0	895.00	687.80	691.82	0.0	3.19	99.10	435.89	505.73	0.0
I 14300.000	1500.00	0.0	0.0	1590.00	687.80	692.74	0.0	3.24	95.30	449.24	824.95	0.92
14300.000	1500.00	0.0	0.0	1880.00	687.80	693.07	0.0	3.30	93.96	459.03	942.16	0.33
14300.000	1500.00	0.0	0.0	2800.00	687.80	693.96	0.0	3.50	90.29	485.77	1281.21	0.89
15500.000	1200.00	0.0	0.0	895.00	692.20	697.80	697.12	4.21	1514.14	1783.30	433.62	0.0
J 15500.000	1200.00	0.0	0.0	1590.00	692.20	698.37	697.47	5.23	1490.51	1784.18	592.14	0.57
15500.000	1200.00	0.0	0.0	1880.00	692.20	698.58	697.67	5.52	1481.93	1784.50	653.16	0.21
15500.000	1200.00	0.0	0.0	2800.00	692.20	699.18	698.07	6.18	1457.09	1785.42	839.97	0.60
15950.000	450.00	0.0	0.0	895.00	693.90	699.49	0.0	2.62	328.02	637.44	591.42	0.0
15950.000	450.00	0.0	0.0	1590.00	693.90	700.33	0.0	3.01	294.53	639.30	865.26	0.84
K 15950.000	450.00	0.0	0.0	1880.00	693.90	700.62	0.0	3.15	283.20	639.93	964.64	0.29
15950.000	450.00	0.0	0.0	2800.00	693.90	701.38	0.0	3.53	252.33	641.86	1342.73	0.77

	15500.000	1200.00	n.0	0.0	895.00	692.20	697.80	697.12	4.21	1514.14	1783.30	433.62	0.0
J	15500.000	1200.00	n.0	0.0	1590.00	692.20	698.37	697.47	5.23	1490.51	1784.18	592.14	0.57
	15500.000	1200.00	n.0	0.0	1880.00	692.20	698.58	697.67	5.52	1481.93	1784.50	653.16	0.21
	15500.000	1200.00	n.0	0.0	2800.00	692.20	699.18	698.07	6.18	1457.09	1785.42	839.97	0.60
	15950.000	450.00	n.0	0.0	895.00	693.90	699.49	0.0	2.62	328.02	637.44	591.42	0.0
	15950.000	450.00	n.0	0.0	1590.00	693.90	700.33	0.0	3.01	294.53	639.30	865.26	0.84
K	15950.000	450.00	n.0	0.0	1880.00	693.90	700.62	0.0	3.15	283.20	639.93	964.64	0.29
	15950.000	450.00	n.0	0.0	2800.00	693.90	701.38	0.0	3.53	252.93	641.46	1246.73	0.77
	17720.000	1770.00	n.0	0.0	525.00	700.30	704.13	0.0	2.58	131.64	356.75	357.58	0.0
	17720.000	1770.00	n.0	0.0	970.00	700.30	704.95	0.0	2.92	121.92	387.27	564.98	0.82
L	17720.000	1770.00	n.0	0.0	1190.00	700.30	705.28	0.0	3.07	118.46	394.69	652.65	0.33
	17720.000	1770.00	n.0	0.0	1720.00	700.30	706.03	0.0	3.28	110.31	412.12	872.40	0.76
*	17800.000	80.00	n.0	0.0	525.00	699.30	705.57	705.57	10.55	374.92	406.79	74.52	0.0
*	17800.000	80.00	n.0	0.0	970.00	699.30	707.39	707.39	10.17	341.20	454.57	165.98	1.82
*	17800.000	80.00	n.0	0.0	1190.00	699.30	707.83	707.83	10.18	320.05	481.81	225.93	0.44
*	17800.000	80.00	n.0	0.0	1720.00	699.30	708.32	708.32	11.47	296.14	512.61	319.10	0.49
LIMIT OF DETAILED STUDY													
*	17842.000	42.00	706.80	705.30	525.00	699.30	707.70	0.0	4.78	326.35	473.70	205.88	0.0
	17842.000	42.00	706.80	705.30	970.00	699.30	708.43	0.0	6.10	290.59	519.77	344.61	0.73
	17842.000	42.00	706.80	705.30	1190.00	699.30	708.67	0.0	6.61	279.00	534.69	402.50	0.24
	17842.000	42.00	706.80	705.30	1720.00	699.30	709.07	0.0	7.80	259.88	559.32	511.88	0.40

	SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
	17922.000	80.00	n.0	0.0	525.00	701.20	707.91	0.0	0.54	184.55	548.80	1422.05	0.0
	17922.000	80.00	n.0	0.0	970.00	701.20	708.71	0.0	0.81	174.11	553.45	1721.39	0.80
M	17922.000	80.00	n.0	0.0	1190.00	701.20	708.98	0.0	0.93	170.64	554.99	1823.64	0.27
	17922.000	80.00	n.0	0.0	1720.00	701.20	709.47	0.0	1.21	164.33	557.80	2012.92	0.49
	20250.000	2328.00	n.0	0.0	427.00	708.80	712.41	712.41	6.24	1099.29	1268.46	139.78	0.0
N	20250.000	2328.00	n.0	0.0	798.00	708.80	712.70	712.70	8.30	1097.40	1283.88	191.22	0.29
201	20250.000	2328.00	n.0	0.0	987.00	708.80	712.86	712.86	8.73	1096.36	1292.35	221.61	0.16
	20250.000	2328.00	n.0	0.0	1450.00	708.80	713.16	713.16	9.76	1094.38	1301.85	283.11	0.30
	22100.000	1850.00	n.0	0.0	357.00	730.30	735.90	0.0	4.72	1158.23	1242.36	103.94	0.0
O	22100.000	1850.00	n.0	0.0	673.00	730.30	737.02	0.0	5.05	1127.06	1267.51	234.97	1.12
	22100.000	1850.00	n.0	0.0	838.00	730.30	737.38	0.0	5.29	1117.11	1270.68	287.75	0.36
	22100.000	1850.00	n.0	0.0	1240.00	730.30	738.10	0.0	5.69	1090.10	1277.87	407.81	1.72

<i>N</i>	20250.000	2328.00	0.0	0.0	427.00	708.80	712.41	712.41	6.24	1099.29	1268.46	139.78	0.0
<i>N</i>	20250.000	2328.00	0.0	0.0	798.00	708.80	712.70	712.70	8.30	1097.40	1283.88	191.22	0.29
<i>N</i>	20250.000	2328.00	0.0	0.0	987.00	708.80	712.86	712.86	8.73	1096.36	1292.35	221.61	0.16
<i>N</i>	20250.000	2328.00	0.0	0.0	1450.00	708.80	713.16	713.16	9.76	1094.38	1301.85	283.11	0.30
<i>O</i>	22100.000	1850.00	0.0	0.0	357.00	730.30	735.90	0.0	4.72	1158.23	1242.36	103.94	0.0
<i>O</i>	22100.000	1850.00	0.0	0.0	673.00	730.30	737.02	0.0	5.05	1127.06	1267.51	234.97	1.12
<i>O</i>	22100.000	1850.00	0.0	0.0	838.00	730.30	737.38	0.0	5.29	1117.11	1270.68	287.75	0.36
<i>O</i>	22100.000	1850.00	0.0	0.0	1240.00	730.30	738.10	0.0	5.69	1099.10	1277.02	407.31	0.72
<i>22060</i>	22450.000	50.00	0.0	0.0	357.00	730.40	736.31	0.0	4.06	1149.53	1254.67	133.67	0.0
<i>22060</i>	22450.000	50.00	0.0	0.0	673.00	730.40	737.36	0.0	4.51	1120.55	1269.58	268.97	1.05
<i>22060</i>	22450.000	50.00	0.0	0.0	838.00	730.40	737.71	0.0	4.76	1110.66	1272.74	324.49	0.36
<i>22060</i>	22450.000	50.00	0.0	0.0	1240.00	730.40	738.42	0.0	5.15	1097.06	1279.02	447.93	0.71
<i>22120</i>	22150.000	50.00	0.0	0.0	357.00	730.50	736.66	0.0	5.19	1139.70	1259.71	147.44	0.0
<i>22120</i>	22150.000	50.00	0.0	0.0	673.00	730.50	737.70	0.0	4.87	1110.82	1300.04	302.45	1.04
<i>22120</i>	22150.000	50.00	0.0	0.0	838.00	730.50	738.07	0.0	4.88	1100.65	1310.84	375.77	0.37
<i>22120</i>	22150.000	50.00	0.0	0.0	1240.00	730.50	738.78	0.0	4.82	1092.01	1331.67	535.80	0.71
<i>22175</i>	22175.000	25.00	736.20	734.50	357.00	730.50	737.77	0.0	2.48	1108.88	1302.10	315.87	0.0
<i>22175</i>	22175.000	25.00	736.20	734.50	673.00	730.50	738.39	0.0	3.23	1095.32	1320.43	446.97	0.62
<i>22175</i>	22175.000	25.00	736.20	734.50	838.00	730.50	738.65	0.0	3.48	1093.06	1328.09	506.95	0.26
<i>22175</i>	22175.000	25.00	736.20	734.50	1240.00	730.50	739.22	0.0	3.88	1088.16	1344.73	645.98	0.57
<i>22225</i>	22225.000	50.00	0.0	0.0	357.00	730.60	737.82	0.0	2.12	1113.32	1271.89	309.13	0.0
<i>22225</i>	22225.000	50.00	0.0	0.0	673.00	730.60	738.47	0.0	3.00	1098.50	1277.60	419.03	0.65
<i>22225</i>	22225.000	50.00	0.0	0.0	838.00	730.60	738.73	0.0	3.33	1096.09	1279.98	467.73	0.27
<i>22225</i>	22225.000	50.00	0.0	0.0	1240.00	730.60	739.31	0.0	3.94	1090.91	1285.06	576.45	0.58
<i>22225</i>	22625.000	50.00	0.0	0.0	357.00	730.70	737.87	0.0	2.16	1114.64	1271.47	301.59	0.0
<i>22225</i>	22625.000	50.00	0.0	0.0	673.00	730.70	738.55	0.0	3.02	1098.62	1277.49	416.65	0.68
<i>22225</i>	22625.000	50.00	0.0	0.0	838.00	730.70	738.83	0.0	3.33	1096.09	1279.97	467.59	0.28
<i>22225</i>	22625.000	50.00	0.0	0.0	1240.00	730.70	739.43	0.0	3.90	1090.69	1285.27	581.15	0.60
<i>25330</i>	25330.000	3105.00	0.0	0.0	190.00	766.60	768.51	768.51	6.90	1175.17	1217.76	40.93	0.0
<i>25330</i>	25330.000	3105.00	0.0	0.0	364.00	766.60	769.10	769.10	8.26	1169.69	1224.80	70.11	0.60
<i>25330</i>	25330.000	3105.00	0.0	0.0	460.00	766.60	769.37	769.37	8.76	1167.25	1227.94	85.50	0.27
<i>25330</i>	25330.000	3105.00	0.0	0.0	700.00	766.60	769.92	769.92	9.64	1162.22	1233.71	121.91	0.55

SUMMARY OF ERRORS

CAUTION SECNO= 7780.000 PROFILE= 2 HYDRAULIC JUMP D.S.  
 CAUTION SECNO= 7780.000 PROFILE= 3 HYDRAULIC JUMP D.S.  
 CAUTION SECNO= 7780.000 PROFILE= 4 HYDRAULIC JUMP D.S.

*Handwritten notes and stamps:*  
 22060  
 22120  
 22175  
 22225  
 25330



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 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977  
 ERROR CORR - 01  
 MODIFICATION - 50,51,52  
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C  
 T1 ROWAN COUNTY BASIN 0 STRM 1 DRAFT BRANCH  
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918  
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	4.	0.	0.	0.0	0.0	0.0	0.	662.100	0.0
J2	MPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	JTRACE
	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
NC	0.085	0.085	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	1600.000	2710.000	3190.000	4940.000	3190.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0
X1	800.000	12.000	1778.000	1800.000	800.000	800.000	800.000	0.0	0.0	0.0
GR	677.100	1000.000	699.000	1300.000	667.400	1600.000	660.900	1700.000	661.300	1778.000
GR	653.000	1786.000	652.200	1789.000	653.100	1797.000	660.300	1800.000		

JT	5.000	1600.000	2710.000	3190.000	4940.000	3190.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0
X1	800.000	12.000	1778.000	1800.000	800.000	800.000	800.000	0.0	0.0	0.0
GR	677.100	1000.000	699.000	1300.000	667.400	1600.000	660.900	1700.000	661.300	1778.000
GR	653.000	1786.000	652.200	1789.000	653.100	1797.000	660.300	1800.000	660.100	2100.000
GR	659.800	2400.000	665.000	2500.000	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	1295.000	2200.000	2610.000	4000.000	2610.000	0.0	0.0	0.0	0.0
X1	2400.000	17.000	335.000	355.000	1600.000	1600.000	1600.000	0.0	0.0	0.0
GR	669.200	0.0	666.700	70.000	663.200	102.000	663.600	165.000	663.500	290.000
GR	664.200	335.000	659.400	339.000	659.000	345.000	659.300	351.000	664.200	355.000
GR	662.600	435.000	662.600	510.000	662.500	555.000	662.600	590.000	665.100	625.000
GR	669.200	640.000	673.800	655.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	4225.000	34.000	362.000	385.000	1825.000	1825.000	1825.000	0.0	0.0	0.0
GR	686.300	0.0	679.500	71.000	680.300	82.000	678.700	87.000	672.700	207.000
GR	671.800	237.000	672.000	242.000	667.500	286.000	667.000	317.000	667.300	347.000
GR	667.200	357.000	666.300	362.000	662.300	367.000	662.200	372.000	662.500	376.000
GR	667.500	385.000	667.800	390.000	667.000	417.000	666.800	437.000	667.500	465.000
GR	667.100	522.000	666.700	657.000	667.400	672.000	666.700	692.000	667.700	707.000
GR	666.700	717.000	667.000	847.000	667.300	867.000	667.900	877.000	667.200	882.000
GR	667.500	885.000	670.200	889.000	674.000	901.000	678.000	925.000	0.0	0.0
X1	5900.000	23.000	478.000	503.000	1675.000	1675.000	1675.000	0.0	0.0	0.0
GR	684.700	0.0	677.400	120.000	676.700	151.000	677.400	176.000	675.400	183.000
GR	674.400	209.000	672.000	213.000	670.300	275.000	670.100	426.000	670.000	438.000
GR	670.700	467.000	670.700	476.000	663.800	484.000	663.500	489.000	664.300	496.000
GR	671.000	503.000	670.100	509.000	670.600	517.000	670.600	551.000	670.300	558.000
GR	674.500	560.000	675.300	583.000	679.500	641.000	0.0	0.0	0.0	0.0
QT	5.000	1050.000	1830.000	2160.000	3150.000	2160.000	0.0	0.0	0.0	0.0
X1	7650.000	17.000	379.000	405.000	1750.000	1750.000	1750.000	0.0	0.0	0.0
GR	688.000	0.0	684.700	9.000	677.300	49.000	676.400	59.000	674.900	89.000
GR	674.400	159.000	674.300	329.000	675.600	379.000	669.000	385.000	669.100	389.000
GR	669.400	399.000	674.400	405.000	678.600	505.000	680.300	545.000	683.000	560.000
GR	680.200	565.000	684.200	605.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	7720.000	7.000	251.200	278.800	70.000	70.000	70.000	0.0	0.0	0.0
GR	689.800	0.0	685.600	167.000	672.100	251.200	671.100	251.200	671.100	278.800
GR	672.100	278.800	684.200	362.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	1.250	1.500	2.500	0.0	27.600	2.000	271.000	0.0	0.0	0.0

				0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	7720.000	7.000	251.200	278.800	70.000	70.000	70.000	0.0	0.0	0.0
GR	689.800	0.0	685.600	167.000	672.100	251.200	671.100	251.200	671.100	278.800
GR	672.100	278.800	684.200	362.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	1.250	1.500	2.500	0.0	27.600	2.000	271.000	0.0	0.0	0.0

ROWAN MILL ROAD MXLCEL 681.7 RDELV 684.8

X1	7780.000	0.0	0.0	0.0	60.000	60.000	60.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	681.700	0.0	0.0	0.0	0.0	0.0	0.0
BT	6.000	0.0	689.800	0.0	167.000	685.600	0.0	251.200	685.600	681.700
BT	278.800	684.800	681.700	362.000	684.200	0.0	429.000	688.400	0.0	0.0

X1	7850.000	22.000	312.000	327.000	70.000	70.000	70.000	0.0	0.0	0.0
GR	688.300	0.0	683.200	23.000	682.100	35.000	681.500	50.000	678.200	68.000
GR	676.100	92.000	674.600	177.000	674.800	242.000	675.200	302.000	675.300	312.000
GR	669.500	315.000	668.300	318.000	669.500	321.000	674.700	327.000	674.600	402.000
GR	674.000	437.000	675.100	502.000	674.600	509.000	676.000	512.000	677.200	543.000
GR	679.600	555.000	684.400	570.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	9600.000	25.000	790.000	808.000	1750.000	1750.000	1750.000	0.0	0.0	0.0
GR	702.800	0.0	698.000	50.000	697.900	75.000	694.700	155.000	691.100	205.000
GR	681.700	475.000	680.700	490.000	679.900	545.000	680.100	575.000	679.700	605.000
GR	680.300	653.000	679.700	659.000	679.500	720.000	680.200	725.000	679.300	750.000
GR	680.700	790.000	675.700	795.000	676.200	801.000	675.800	805.000	680.700	808.000
GR	680.000	840.000	680.200	902.000	679.200	930.000	680.700	950.000	690.100	995.000
QT	5.000	975.000	1720.000	2040.000	3040.000	2040.000	0.0	0.0	0.0	0.0

X1	98.000	0.0	0.0	0.0	200.000	200.000	200.000	0.0	2.300	0.0
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X1	100.000	0.0	0.0	0.0	200.000	200.000	200.000	0.0	2.300	0.0
ET	5.000	0.0	0.0	0.0	0.0	-5.400	0.0	0.0	0.0	0.0

X1	10200.000	27.000	420.000	430.000	200.000	200.000	200.000	0.0	0.0	0.0
GR	700.900	0.0	686.400	130.000	685.500	180.000	685.900	274.000	684.200	360.000
GR	685.000	370.000	685.500	410.000	686.200	420.000	682.900	421.000	682.700	424.000
GR	683.100	424.000	685.200	430.000	685.400	454.000	684.700	485.000	685.400	494.000
GR	684.700	511.000	684.800	559.000	685.200	592.000	685.400	661.000	686.100	670.000
GR	685.500	681.000	686.400	702.000	687.500	781.000	688.900	836.000	691.500	860.000
GR	694.000	921.100	700.700	984.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	12800.000	16.000	330.000	345.000	200.000	200.000	200.000	0.0	0.0	0.0
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X1	10200.000	27.000	420.000	430.000	200.000	200.000	200.000	0.0	0.0	0.0
GR	700.900	0.0	686.400	130.000	665.500	180.000	685.900	274.000	684.200	360.000
GR	685.000	370.000	685.500	410.000	686.200	420.000	682.900	421.000	682.700	424.000
GR	683.100	428.000	685.200	430.000	685.400	454.000	684.700	485.000	685.400	494.000
GR	684.700	511.000	684.800	559.000	685.200	592.000	685.400	661.000	686.100	670.000
GR	685.500	681.000	686.400	702.000	687.500	781.000	688.900	836.000	691.500	860.000
GR	694.000	921.000	700.700	984.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	12800.000	16.000	330.000	345.000	2600.000	2600.000	2600.000	0.0	0.0	0.0
GR	699.000	0.0	689.000	160.000	687.600	165.000	687.200	270.000	687.600	330.000
GR	685.100	335.000	684.900	340.000	684.900	342.000	687.200	345.000	686.700	405.000
GR	687.500	545.000	688.900	575.000	689.500	605.000	694.100	725.000	694.300	755.000
GR	697.700	935.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	895.000	1590.000	1880.000	2800.000	1880.000	0.0	0.0	0.0	0.0

X1	14300.000	18.000	210.000	225.000	1500.000	1500.000	1500.000	0.0	0.0	0.0
GR	710.900	0.0	700.100	65.000	691.600	100.000	689.900	180.000	691.000	210.000
GR	688.400	215.000	687.900	219.000	687.800	223.000	691.000	225.000	689.700	255.000
GR	689.500	275.000	689.900	295.000	689.800	375.000	691.000	395.000	691.900	440.000
GR	692.600	445.000	695.100	920.000	702.600	570.000	0.0	0.0	0.0	0.0

X1	15500.000	8.000	1590.000	1602.000	1200.000	1200.000	1200.000	0.0	0.0	0.0
GR	711.700	1000.000	705.300	1200.000	696.000	1590.000	692.200	1593.000	692.200	1600.000
GR	696.500	1602.000	695.700	1780.000	711.700	1805.000	0.0	0.0	0.0	0.0

X1	15950.000	20.000	543.000	556.000	450.000	450.000	450.000	0.0	0.0	0.0
GR	711.800	0.0	701.500	248.000	699.100	344.000	697.800	376.000	697.400	402.000
GR	696.900	430.000	697.600	468.000	696.800	484.000	696.800	508.000	698.200	526.000
GR	698.900	543.000	694.900	546.000	693.900	550.000	694.100	554.000	698.900	556.000
GR	697.200	593.000	697.500	633.000	701.100	641.000	707.100	651.000	709.700	661.000
QT	5.000	525.000	970.000	1190.000	1720.000	1190.000	0.0	0.0	0.0	0.0

X1	17720.000	16.000	288.000	308.000	1770.000	1770.000	1770.000	0.0	0.0	0.0
GR	713.900	0.0	707.000	100.000	704.200	130.000	701.600	185.000	701.800	210.000
GR	703.400	288.000	700.600	295.000	700.300	305.000	702.900	308.000	702.800	340.000
GR	704.300	359.000	704.200	370.000	706.600	425.000	709.600	435.000	713.100	495.000
GR	717.300	530.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	17800.000	13.000	388.000	394.000	80.000	80.000	80.000	0.0	0.0	0.0
GR	719.800	0.0	716.000	70.000	710.200	205.000	706.800	370.000	702.300	388.000
GR	700.200	388.900	699.300	391.000	700.200	393.100	702.300	394.000	706.900	412.000
GR	707.000	430.000	709.400	580.000	710.800	610.000	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	17720.000	16.000	288.000	308.000	1770.000	1770.000	1770.000	0.0	0.0	0.0
GR	713.900	0.0	707.000	100.000	704.200	130.000	701.600	185.000	701.800	210.000
GR	703.400	288.000	700.600	295.000	700.300	305.000	702.900	308.000	702.800	340.000
GR	704.300	359.000	704.200	370.000	706.600	425.000	709.600	435.000	713.100	495.000
GR	717.300	530.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	17800.000	13.000	388.000	394.000	80.000	80.000	80.000	0.0	0.0	0.0
GR	719.800	0.0	716.000	70.000	710.200	205.000	706.800	370.000	702.300	388.000
GR	700.200	388.900	699.300	391.000	700.200	393.100	702.300	394.000	706.900	412.000
GR	707.000	430.000	709.400	580.000	710.800	610.000	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	6.000	0.010	28.300	0.0	0.0	0.0

RDN0 NEAL RD

MXLCEL 705.3

RDELV 706.8

X1	17842.000	0.0	0.0	0.0	42.000	42.000	42.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	705.300	0.0	0.0	0.0	0.0	0.0	0.0
BT	13.000	0.0	719.800	0.0	70.000	716.000	0.0	205.000	710.200	0.0
BT	370.000	706.800	0.0	388.000	706.800	702.300	388.900	706.800	704.400	391.000
BT	706.800	705.300	393.100	706.800	704.400	394.000	706.800	702.300	412.000	706.900
BT	0.0	430.000	707.000	0.0	580.000	709.400	0.0	610.000	710.800	0.0

X1	17922.000	20.000	354.000	362.000	80.000	80.000	80.000	0.0	0.0	0.0
GR	718.400	0.0	715.900	50.000	714.400	63.000	715.200	90.000	704.400	230.000
GR	705.800	234.000	706.300	241.000	706.000	254.000	703.300	260.000	702.600	293.000
GR	703.100	338.000	703.700	354.000	701.200	356.000	701.300	361.000	703.900	362.000
GR	702.700	433.000	703.900	508.000	706.900	543.000	714.700	588.000	717.900	603.000
QT	5.000	427.000	798.000	987.000	1450.000	987.000	0.0	0.0	0.0	0.0

X1	20250.000	11.000	1256.000	1268.000	2328.000	2328.000	2328.000	0.0	0.0	0.0
GR	727.600	1000.000	712.300	1100.000	711.200	1200.000	712.200	1256.000	709.000	1257.000
GR	708.800	1260.000	709.200	1265.000	712.400	1268.000	713.000	1300.000	716.000	1335.000
GR	727.600	1366.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	357.000	673.000	938.000	1240.000	838.000	0.0	0.0	0.0	0.0

X1	22100.000	10.000	1197.000	1215.000	1850.000	1850.000	1850.000	0.0	-0.300	0.0
GR	749.400	1000.000	738.300	1100.000	734.800	1197.000	731.000	1205.000	730.600	1207.000
GR	730.600	1209.000	735.500	1215.000	736.700	1262.000	741.000	1300.000	745.400	1358.000

X1	22450.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.100	0.0
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X1	22150.000	17.000	1202.000	1206.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	749.400	1000.000	738.200	1097.000	734.700	1194.000	732.500	1202.000	731.500	1202.300
GR	730.800	1203.000	730.500	1208.000	730.800	1205.000	731.000	1205.000	730.000	1205.000



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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

100 YEAR FLOOD WATER SUR  
 SUMMARY PRINTOUT

	SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST.	AREA	DIFWSP
A	800.000	800.00	0.0	0.0	3190.00	652.20	662.10	0.0	4.92	1681.54	2444.23	1515.04	0.0
	800.000	800.00	0.0	0.0	3190.00	652.20	663.10	0.0	5.37	1732.43	2104.42	1152.64	1.00
B	2400.000	1600.00	0.0	0.0	2610.00	659.00	666.28	0.0	2.83	73.82	629.32	1690.19	0.0
	2400.000	1600.00	0.0	0.0	2610.00	659.00	667.30	0.0	3.11	180.94	517.76	1111.27	1.02
C	4225.000	1825.00	0.0	0.0	2610.00	662.20	669.56	0.0	3.40	265.87	888.05	1596.90	0.0
	4225.000	1825.00	0.0	0.0	2610.00	662.20	670.54	0.0	3.78	316.30	658.44	1259.05	0.98
D	5900.000	1675.00	0.0	0.0	2610.00	663.50	673.44	0.0	4.31	210.60	559.49	1147.93	0.0
	5900.000	1675.00	0.0	0.0	2610.00	663.50	674.43	0.0	4.69	340.44	535.67	922.23	0.98
E	7650.000	1750.00	0.0	0.0	2160.00	669.00	677.46	0.0	3.53	48.12	477.93	1204.18	0.0
	7650.000	1750.00	0.0	0.0	2160.00	669.00	678.47	0.0	3.86	212.41	426.11	940.48	1.01
	7720.000	70.00	0.0	0.0	2160.00	671.10	677.09	0.0	9.30	220.07	313.12	328.75	0.0
	7720.000	70.00	0.0	0.0	2160.00	671.10	677.43	0.0	11.75	248.62	281.60	202.60	0.34
*	7780.000	60.00	684.20	681.70	2160.00	671.10	678.91	0.0	6.29	208.75	325.60	519.20	0.0
*	7780.000	60.00	684.20	681.70	2160.00	671.10	679.91	0.0	5.22	202.51	332.47	642.57	1.00
F	7850.000	70.00	0.0	0.0	2160.00	668.30	679.42	0.0	1.70	61.33	554.12	2145.52	0.0
	7850.000	70.00	0.0	0.0	2160.00	668.30	680.25	0.0	1.90	159.13	467.08	1773.51	0.83

E	7650.000	1750.00	0.0	0.0	2160.00	669.00	677.46	0.0	3.53	48.12	477.93	1204.18-2.3	0.0
	7650.000	1750.00	0.0	0.0	2160.00	669.00	678.47	0.0	3.86	212.41	426.11	940.48-1.2	1.01
	7720.000	70.00	0.0	0.0	2160.00	671.10	677.09	0.0	9.30	220.07	313.12	328.75	0.0
	7720.000	70.00	0.0	0.0	2160.00	671.10	677.43	0.0	11.75	248.62	281.60	202.60	0.34
*	7780.000	60.00	684.20	681.70	2160.00	671.10	678.91	0.0	6.29	208.75	325.60	519.20	0.0
*	7780.000	60.00	684.20	681.70	2160.00	671.10	679.91	0.0	5.22	202.51	332.47	642.57	1.00
F	7850.000	70.00	0.0	0.0	2160.00	668.30	679.42	0.0	1.70	61.33	554.12	2145.52-1.1	0.0
	7850.000	70.00	0.0	0.0	2160.00	668.30	680.25	0.0	1.90	159.13	467.08	1773.51-1.1	0.83
	9600.000	1750.00	0.0	0.0	2160.00	675.70	681.39	0.0	6.68	479.76	953.27	705.22	0.0
	9600.000	1750.00	0.0	0.0	2160.00	675.70	682.28	0.0	8.00	690.08	866.30	465.21	0.90
	98.000	200.00	0.0	0.0	2040.00	678.00	683.80	0.0	5.76	478.04	953.82	759.35	0.0
	98.000	200.00	0.0	0.0	2040.00	678.00	684.86	0.0	6.40	682.94	869.99	544.42	1.07
	100.000	200.00	0.0	0.0	2040.00	680.30	685.97	0.0	6.31	479.76	953.27	705.08	0.0
	100.000	200.00	0.0	0.0	2040.00	680.30	686.94	0.0	7.31	689.22	866.88	479.98	0.97
G	10200.000	200.00	0.0	0.0	2040.00	682.70	687.35	0.0	3.05	121.50	770.04	1209.87-1.7	0.0
	10200.000	200.00	0.0	0.0	2040.00	682.70	688.23	0.0	2.82	247.92	602.95	1123.27-1.3	0.89
H	12800.000	2600.00	0.0	0.0	2040.00	684.90	691.09	0.0	2.01	126.60	646.42	1721.72-1.2	0.0
	12800.000	2600.00	0.0	0.0	2040.00	684.90	691.53	0.0	2.16	190.55	530.89	1509.12-1.1	0.45

	SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
I	14300.000	1500.00	0.0	0.0	1880.00	687.80	693.07	0.0	3.30	93.96	459.03	942.16-2.0	0.0
	14300.000	1500.00	0.0	0.0	1880.00	687.80	693.55	0.0	3.56	138.10	363.96	806.31-2.3	0.48
J	15500.000	1200.00	0.0	0.0	1880.00	692.20	698.58	697.67	5.52	1481.93	1784.50	653.16-2.9	0.0
	15500.000	1200.00	0.0	0.0	1880.00	692.20	699.07	0.0	5.84	1551.70	1735.07	555.31-3.4	0.50
K	15950.000	450.00	0.0	0.0	1880.00	693.90	700.62	0.0	3.15	283.20	637.93	964.64-2.0	0.0
	15950.000	450.00	0.0	0.0	1880.00	693.90	701.13	0.0	3.33	399.12	620.18	841.95-2.2	0.51
L	17720.000	1770.00	0.0	0.0	1190.00	700.30	705.28	0.0	3.07	118.46	394.69	652.65-1.5	0.0
	17720.000	1770.00	0.0	0.0	1190.00	700.30	705.76	0.0	3.31	183.98	345.15	549.97-1.2	0.48
	17800.000	80.00	0.0	0.0	1190.00	699.30	707.83	707.83	10.18	230.05	801.01	226.04	0.0



K	15950.000	450.00	0.0	0.0	1860.00	693.90	700.62	0.0	3.15	283.20	639.93	964.64-1.0	0.0
	15950.000	450.00	0.0	0.0	1880.00	693.90	701.13	0.0	3.33	399.12	620.18	841.95-2.2	0.51
	17720.000	1770.00	0.0	0.0	1190.00	700.30	705.28	0.0	3.07	118.46	394.69	652.65-1.0	0.0
L	17720.000	1770.00	0.0	0.0	1190.00	700.30	705.76	0.0	3.31	183.98	345.15	549.97-1.0	0.48
*	17800.000	80.00	0.0	0.0	1190.00	699.30	707.83	707.83	10.18	320.05	481.81	225.93	0.0
*	17800.000	80.00	0.0	0.0	1190.00	699.30	707.24	707.24	13.65	374.81	410.15	132.24	-0.59
	17842.000	42.00	706.80	705.30	1190.00	699.30	708.67	0.0	6.61	279.00	534.69	402.50	0.0
	17842.000	42.00	999999.00	0.0	1190.00	699.30	708.08	0.0	9.70	362.29	432.77	206.13	-0.59
M	17922.000	80.00	0.0	0.0	1190.00	701.20	708.98	0.0	0.93	170.64	554.99	1823.64	0.0
	17922.000	80.00	0.0	0.0	1190.00	701.20	708.97	0.0	1.07	238.89	505.48	1503.72	-0.01
	20250.000	2328.00	0.0	0.0	987.00	708.80	712.86	712.86	8.73	1096.36	1292.35	221.61	0.0
N	20250.000	2328.00	0.0	0.0	987.00	708.80	713.33	713.33	9.83	1191.64	1277.51	161.93	0.47
	22000.000	1850.00	0.0	0.0	838.00	730.30	737.38	0.0	5.29	1117.11	1270.68	287.75	0.0
O	22000.000	1850.00	0.0	0.0	838.00	730.30	737.94	0.0	5.56	1178.66	1234.69	210.24	0.56
	22450.000	50.00	0.0	0.0	838.00	730.40	737.71	0.0	4.76	1110.66	1272.74	324.49	0.0
	22450.000	50.00	0.0	0.0	838.00	730.40	738.29	0.0	4.96	1174.97	1237.69	242.31	0.57
	22150.000	50.00	0.0	0.0	838.00	730.50	738.07	0.0	4.88	1100.65	1310.84	375.77	0.0
	22150.000	50.00	0.0	0.0	838.00	730.50	738.64	0.0	4.99	1167.58	1246.03	285.99	0.57
	22175.000	25.00	736.20	734.50	838.00	730.50	738.65	0.0	3.48	1093.06	1328.09	506.95	0.0
	22175.000	25.00	999999.00	0.0	838.00	730.50	739.23	0.0	3.55	1156.48	1257.96	402.92	0.57
	22225.000	50.00	0.0	0.0	838.00	730.60	738.73	0.0	3.33	1096.09	1279.98	467.73	0.0
	22225.000	50.00	0.0	0.0	838.00	730.60	739.30	0.0	3.43	1159.89	1247.03	374.84	0.57
	22225.000	50.00	0.0	0.0	838.00	730.70	738.83	0.0	3.33	1096.09	1279.97	467.59	0.0
P	22225.000	50.00	0.0	0.0	838.00	730.70	739.39	0.0	3.45	1159.72	1247.18	373.31	0.56
	25330.000	3105.00	0.0	0.0	460.00	766.60	769.37	769.37	8.76	1167.25	1227.94	85.50	0.0
Q*	25330.000	3105.00	0.0	0.0	460.00	766.60	769.75	769.75	10.82	1194.96	1205.17	54.02	0.38

SUMMARY OF ERRORS

CAUTION SECNO= 7780.000 PROFILE= 1 HYDRAULIC JUMP D.S.  
 CAUTION SECNO= 7780.000 PROFILE= 2 HYDRAULIC JUMP D.S.  
 CAUTION SECNO=17800.000 PROFILE= 1 CRITICAL DEPTH ASSUMED  
 CAUTION SECNO=17800.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

FLOODWAY DATA. 100 YEAR FLOOD WATER SUR  
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
800.000	372.	1153.	2.8	663.1	662.1	1.0
82400.000	337.	1411.	1.8	667.3	666.3	1.0
84225.000	342.	1259.	2.1	670.6	669.6	1.0
85900.000	195.	922.	2.8	674.4	673.4	1.0
87650.000	214.	940.	2.3	678.5	677.5	1.0
87720.000	33.	203.	10.7	677.4	677.1	0.3
87730.000	130.	643.	3.4	679.9	678.9	1.0
87950.000	308.	1774.	1.2	680.2	679.4	0.8
8800.000	176.	465.	4.6	682.3	681.4	0.9
88.000	147.	544.	3.7	684.9	683.8	1.1
100.000	178.	480.	4.3	687.0	686.0	1.0
10200.000	355.	1123.	1.8	688.2	687.3	0.9
13200.000	340.	1509.	1.4	691.5	691.1	0.4
14300.000	226.	806.	2.3	693.6	693.1	0.5
15500.000	143.	555.	3.4	699.1	698.6	0.5
15950.000	221.	842.	2.2	701.1	700.6	0.5
17720.000	161.	550.	2.2	705.4	705.3	0.5
17800.000	35.	132.	9.0	707.3	707.8	-0.5
17842.000	70.	206.	5.8	708.2	708.7	-0.5
17922.000	267.	1504.	0.8	709.0	709.0	0.0
20050.000	86.	162.	6.1	713.4	712.9	0.5
22100.000	56.	210.	4.0	738.0	737.4	0.6
22450.000	63.	242.	3.5	738.3	737.7	0.6
22150.000	78.	286.	2.9	738.7	738.1	0.6
22175.000	101.	403.	2.1	739.3	738.7	0.6
22225.000	87.	375.	2.2	739.3	738.7	0.6
22625.000	97.	373.	2.2	739.4	738.8	0.6
25330.000	20.	54.	8.5	769.8	769.4	0.4

IEF285I VOL SER NOS= SPARE8. DELETED  
 IEF285I SYS77355.T081300.RV001.RGRANT2.194  
 IEF285I VOL SER NOS= SPARE9. DELETED  
 IEF285I SYS77355.T081300.RV001.RGRANT2.195  
 IEF285I VOL SER NOS= SPARE8. DELETED  
 IEF285I SYS77355.T081300.RV001.RGRANT2.196  
 IEF285I VOL SER NOS= SPARE9. DELETED

G CORT=500K TIME---0:41.0 UR--4875 RD/WR---0:00.0 RC-----0  
 G USED=234K CPU---0:13.0 DISK---478 REWMD---0:00.0  
 G I/O---0:28.0 TAPE-----0 FL SR---0:00.0

RGRANT2 TIME--0:41.0

\*\*\*\*\*  
 HCC2 RELEASE DATED NOV 76 UPDATED FEB 1977  
 ERROR CORR - 01  
 MODIFICATION - 50,51,52  
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T1 GRANTS CREEK PROFILE 2  
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918  
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-1.	2.	0.	0.	0.0	0.0	0.0	0.	674.200	0.0
J2	NPROF	IPLT	PRFVS	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

	-1.	2.	0.	0.	0.0	0.0	0.0	0.	674.200	0.0	
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FM	ALLOC	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										
	39.000	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	201.000	0.0	0.0	0.0	0.0	0.0	
MC	0.090	0.090	0.055	0.100	0.300	0.0	0.0	0.0	0.0	0.0	
JT	5.000	5032.000	7924.000	9521.000	24000.000	9521.000	0.0	0.0	0.0	0.0	
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0	
X1	45200.000	18.000	505.000	538.000	45200.000	45200.000	45200.000	45200.000	0.0	-2.194	0.0
GR	684.000	40.000	680.000	110.000	672.400	400.000	671.900	458.000	673.000	474.000	
GR	667.500	505.000	660.200	508.000	661.200	534.000	667.700	538.000	672.000	546.000	
GR	673.000	600.000	677.000	627.000	677.000	660.000	674.900	667.000	675.300	700.000	
GR	670.000	780.000	680.000	935.000	690.000	1010.000	0.0	0.0	0.0	0.0	
X1	45250.000	0.0	0.0	0.0	50.000	50.000	50.000	50.000	1.000	0.240	0.0
X1	45275.000	0.0	0.0	0.0	25.000	25.000	25.000	25.000	1.000	0.120	0.0
X1	45300.000	11.000	725.000	783.000	25.000	25.000	25.000	25.000	0.0	-2.194	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	675.300	675.300	0.0
GR	688.000	0.0	680.000	315.000	670.000	600.000	669.000	669.000	725.000	667.500	740.000
GR	661.000	750.000	660.700	780.000	670.000	783.000	676.000	676.000	910.000	680.000	1050.000
GR	690.000	1225.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SB	1.250	1.400	2.500	0.0	22.000	1.500	475.000	1.500	661.000	661.000	661.000
X1	45350.000	0.0	0.0	0.0	50.000	50.000	50.000	50.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	673.200	675.300	0.0	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	0.0	675.300	675.300	0.0
BT	10.000	0.0	685.800	0.0	315.000	677.800	0.0	0.0	600.000	673.600	0.0
BT	700.000	673.100	0.0	725.000	673.100	671.000	783.000	673.200	673.200	671.000	800.000
BT	673.100	0.0	900.000	673.600	0.0	1050.000	677.800	0.0	1225.000	687.800	0.0
JT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	45375.000	16.000	781.000	830.000	25.000	25.000	25.000	25.000	0.0	-2.194	0.0
SP	688.000	30.000	680.000	290.000	669.000	700.000	668.700	781.000	662.000	795.000	