
 R2C2 VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 MODIFICATIONS 52,53,54,55,56,57,58

C
 1 LEXINGTON-DAVIDSON CO. STRM 8L
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	EQ
	-1.	2.	0.	0.	0.010000	0.0	0.0	0.	720.500	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	1.000	34.000	3.000	4.000	27.000	28.000	26.000	0.0	0.0	0.0
NC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0
BT	5.000	362.000	630.000	772.000	1105.000	772.000	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	3.000	12.000	1170.000	1184.000	3.000	3.000	3.000	0.0	-2.500	0.0
GR	736.500	1000.000	725.300	1082.000	724.500	1100.000	722.000	1170.000	719.000	1174.000
GR	717.800	1177.000	718.200	1181.000	722.200	1184.000	722.400	1200.000	724.000	1300.000
GR	729.200	1419.000	736.500	1450.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	5.000	21.000	1330.000	1334.000	2.000	2.000	2.000	0.0	0.0	0.0
GR	722.700	1000.000	724.400	1100.000	728.000	1200.000	727.800	1205.000	723.600	1237.000
GR	722.800	1255.000	720.300	1325.000	716.100	1330.000	717.100	1330.300	716.400	1321.000
GR	716.100	1332.000	716.400	1333.000	717.100	1333.700	718.100	1334.000	720.500	1339.000
GR	720.700	1355.000	722.200	1455.000	722.500	1500.000	724.100	1600.000	727.100	1700.000
GR	731.300	1800.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SR	0.900	1.500	2.500	0.0	4.000	0.010	12.600	0.0	0.0	0.0
X1	40.000	0.0	0.0	0.0	35.000	35.000	35.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	720.100	0.0	0.0	0.0	0.0	0.0	0.0
BT	16.000	1000.000	722.700	0.0	1100.000	724.400	0.0	1200.000	728.000	0.0
BT	1300.000	723.600	0.0	1330.000	722.700	718.100	1330.300	722.700	719.100	1331.000
BT	722.700	719.800	1332.000	722.700	720.100	1333.000	722.700	719.800	1333.700	722.700
BT	719.100	1334.000	722.700	718.100	1400.000	721.900	0.0	1500.000	722.500	0.0
BT	1600.000	724.100	0.0	1700.000	727.100	0.0	1800.000	731.300	0.0	0.0
NC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	90.000	15.000	1170.000	1184.000	50.000	50.000	50.000	0.0	-1.300	0.0
GR	736.500	1000.000	725.300	1082.000	724.500	1100.000	722.000	1170.000	719.000	1174.000
GR	717.800	1177.000	718.200	1181.000	722.200	1184.000	722.400	1200.000	724.000	1300.000
GR	730.200	1390.000	730.600	1402.000	730.300	1414.000	729.200	1419.000	736.500	1450.000
X1	240.000	0.0	0.0	0.0	150.000	150.000	150.000	0.0	1.300	0.0
BT	5.000	356.000	624.000	761.000	1089.000	761.000	0.0	0.0	0.0	0.0
X1	1100.000	11.000	1135.000	1148.000	860.000	860.000	860.000	0.0	0.0	0.0
GR	747.700	1000.000	733.700	1100.000	733.100	1135.000	724.500	1140.000	722.900	1143.000

GR	724,200	1146,000	732,400	1148,000	733,000	1200,000	739,000	1300,000	747,300	1400,000
GR	747,700	1409,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	1150,000	0.0	0.0	0.0	50,000	50,000	50,000	0.0	1,500	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	1200,000	22,000	1497,500	1502,500	50,000	50,000	50,000	0.0	0.0	0.0
GR	755,400	1000,000	755,700	1100,000	756,000	1200,000	756,300	1300,000	751,400	1357,000
GR	737,400	1457,000	736,800	1492,000	731,600	1497,500	729,000	1498,000	728,000	1499,000
GR	727,600	1500,000	728,000	1501,000	729,000	1502,000	731,600	1502,500	736,100	1505,000
GR	736,700	1557,000	742,700	1657,000	751,000	1757,000	751,400	1766,000	758,400	1800,000
GR	759,100	1900,000	759,700	2000,000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0,900	1,500	2,500	0.0	5,000	0.010	34,000	0.0	0.0	0.0
X1	1276,000	0.0	0.0	0.0	76,000	76,000	76,000	0.0	0.0	0.0
X2	0.0	0.0	1,000	735,600	0.0	0.0	0.0	0.0	0.0	0.0
BT	17,000	1000,000	755,400	0.0	1100,000	755,700	0.0	1200,000	756,000	0.0
BT	1300,000	756,300	0.0	1400,000	756,500	0.0	1497,500	756,800	731,600	1498,000
BT	756,800	734,200	1499,000	756,000	735,200	1500,000	756,800	735,600	1501,000	756,800
BT	735,200	1502,000	756,800	734,200	1502,500	756,800	731,600	1600,000	757,300	0.0
BT	1700,000	757,900	0.0	1800,000	758,400	0.0	1900,000	759,100	0.0	2000,000
BT	759,700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	1326,000	11,000	1135,000	1148,000	50,000	50,000	50,000	0.0	5,300	0.0
GR	747,700	1000,000	733,700	1100,000	733,100	1135,000	724,500	1140,000	723,900	1143,000
GR	724,200	1146,000	732,400	1148,000	733,000	1200,000	739,000	1300,000	747,300	1400,000
GR	747,700	1409,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	1376,000	0.0	0.0	0.0	50,000	50,000	50,000	0.0	1,500	0.0
QT	5,000	277,000	484,000	594,000	850,000	594,000	0.0	0.0	0.0	0.0
X1	2900,000	29,000	1237,000	1244,000	1524,000	1524,000	1524,000	0.0	-1,900	0.0
GR	772,100	1000,000	764,300	1100,000	763,700	1108,000	761,000	1112,000	763,900	1116,000
GR	764,700	1125,000	765,100	1150,000	764,400	1162,000	765,200	1175,000	765,400	1200,000
GR	764,400	1212,000	755,200	1232,000	753,900	1237,000	751,200	1238,000	750,900	1241,000
GR	751,000	1243,000	753,800	1244,000	756,900	1248,000	757,300	1252,000	757,500	1262,000
GR	757,500	1272,000	757,200	1277,000	756,500	1279,000	757,800	1282,000	760,300	1300,000
GR	761,800	1337,000	762,500	1400,000	766,800	1500,000	769,100	1538,000	0.0	0.0
X1	2950,000	0.0	0.0	0.0	50,000	50,000	50,000	0.0	0,300	0.0
NC	0.025	0.025	0.025	0.100	0,300	0.0	0.0	0.0	0.0	0.0
X1	3000,000	22,000	1256,000	1260,000	50,000	50,000	50,000	0.0	0.0	0.0
GR	772,400	1000,000	766,000	1100,000	764,300	1150,000	758,900	1240,000	754,700	1249,000
GR	753,400	1254,000	752,400	1256,000	751,600	1256,200	750,700	1257,000	750,400	1258,000
GR	750,700	1259,000	751,600	1259,300	752,400	1260,000	753,300	1261,000	756,400	1265,000
GR	756,700	1270,000	756,000	1300,000	757,300	1400,000	757,700	1500,000	750,300	1600,000
GR	760,100	1700,000	762,900	1800,000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0,900	1,500	2,500	0.0	4,000	0.010	12,600	0.0	0.0	0.0
X1	3052,000	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	754,400	0.0	0.0	0.0	0.0	0.0	0.0
BT	17,000	1000,000	772,400	0.0	1100,000	766,000	0.0	1150,000	764,300	0.0
BT	1256,000	757,900	752,400	1256,200	757,900	753,200	1257,000	757,900	754,100	1258,000
BT	757,900	754,400	1259,000	757,900	754,100	1259,800	757,900	753,200	1260,000	757,900
BT	752,400	1270,000	756,700	0.0	1300,000	756,800	0.0	1400,000	757,300	0.0
BT	1500,000	757,700	0.0	1600,000	758,300	0.0	1700,000	760,100	0.0	1800,000
BT	762,900	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.055	0.055	0.035	0.100	0,300	0.0	0.0	0.0	0.0	0.0
X1	3102,000	29,000	1237,000	1244,000	50,000	50,000	50,000	0.0	-0,300	0.0
GR	772,100	1000,000	764,300	1100,000	763,700	1108,000	761,000	1112,000	763,900	1116,000
GR	764,700	1125,000	765,100	1150,000	764,400	1162,000	765,200	1175,000	765,400	1200,000
GR	764,400	1212,000	755,200	1232,000	753,900	1237,000	751,200	1238,000	750,900	1241,000
GR	751,000	1243,000	753,800	1244,000	756,900	1248,000	757,300	1252,000	757,500	1262,000

2008-01-15 10:00 AM 2008-01-15 10:00 AM 2008-01-15 10:00 AM

GR	757,500	1272,000	757,200	1277,000	756,500	1279,000	757,800	1282,000	760,300	1300,000
GR	761,800	1337,000	762,500	1400,000	766,800	1500,000	769,100	1538,000	0.0	0.0
X1	3152,000	0.0	0.0	0.0	50,000	50,000	50,000	0.0	0.300	0.0
EJ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300

3720 ASSUMED CRITICAL DEPTH

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	COPAR	TOPWID	ENDST
3.00	4.67	719.97	719.97	720.30	720.94	0.97	0.0	0.0	719.50
362.	3.	356.	2.	3.	45.	3.	0.	0.	719.70
0.0	1.02	7.95	0.80	0.055	0.035	0.055	0.0	715.30	1156.74
0.009811	3.	3.	3.	0	8	1	0.0	47.88	1204.62

CCHV= 0.100 CEHV= 0.300
3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

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	COPAR	TOPWID	ENDST
5.110	5.32	721.42	721.42	0.0	721.83	0.41	0.01	0.0	718.10
362.	100.	138.	123.	29.	19.	41.	0.	0.	718.10
0.00	3.51	7.22	3.02	0.025	0.025	0.025	0.017	716.10	1293.70
0.003247	2.	2.	2.	30	8	1	0.0	109.13	1402.84

SPECIAL BRIDGE

5070 VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFQ	RDLN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.90	1.50	2.50	0.0	4.00	0.01	12.60	0.0	716.10	716.10

3265 DIVIDED FLOW

3280 CROSS SECTION 40.00 EXTENDED 0.25 FEET

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	COPAR	TOPWID	ENDST

PRESSURE AND WEIR FLOW

 HEC2 VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 MODIFICATIONS 52,53,54,55,56,57,58

T1 LEXINGTON-DAVIDSON CO. STRM 8L
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	3.	0.	0.	0.010000	0.0	0.0	0.	721.500	0.0
J2	NPROF	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

CCHV= 0.100 CEHV= 0.300

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	QLOSS	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
3.00	5.89	721.19	721.19	721.30	721.74	0.55	0.0	0.0	719.50
634.	69.	438.	128.	40.	62.	74.	0.	0.	719.70
0.0	1.72	7.08	1.72	0.055	0.935	0.055	0.0	715.30	1122.72
0.005067	3.	3.	3.	0	6	1	0.0	157.81	1280.53

CCHV= 0.100 CEHV= 0.300
 3685 20 TRIALS USED WSEL.CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	QLOSS	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
5.00	5.75	721.85	721.85	0.0	722.29	0.43	0.01	0.0	718.10
634.	139.	170.	275.	47.	21.	77.	0.	0.	718.10
0.00	4.02	8.13	3.56	0.025	0.025	0.025	0.017	716.10	1281.47
0.003662	2.	2.	2.	30	6	1	0.0	150.50	1431.97

 HEC2 VERSION UPDATED JAN 1975
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 MODIFICATIONS 52,53,54,55,56,57,58

T1 LEXINGTON-DAVIDSON CO. STRM 8L
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FR
	-10.	4.	0.	0.	0.010000	0.0	0.0	0.	723.300	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNAM	ITRACE
	3.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300

3720 ASSUMED CRITICAL DEPTH

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
3.00	6.05	721.35	721.35	723.30	721.98	0.63	0.0	0.0	719.50
772.	94.	300.	178.	48.	64.	90.	0.	0.	719.70
0.0	1.98	7.81	1.97	0.055	0.035	0.055	0.0	715.30	1118.27
0.005876	3.	3.	3.	0	13	1	0.0	172.22	1290.48

CCHV= 0.100 CEHV= 0.300
 3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

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
5.00	5.93	722.03	722.03	0.0	722.47	0.44	0.01	0.0	718.10
772.	234.	181.	357.	56.	22.	95.	0.	0.	718.10
0.00	4.18	8.56	3.75	0.025	0.025	0.025	0.017	716.10	1276.58
0.003709	2.	2.	2.	30	6	1	0.0	167.03	1043.61

 HEC2 VERSION UPDATED JAN 1975
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 MODIFICATIONS 52,53,54,55,56,57,58

T1 LEXINGTON-DAVIDSON CO. STRM AL
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-6 JOB. NO. 6918
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	EQ
	-10.	5.	0.	0.	0.010000	0.0	0.0	0.	724.300	0.0
J2	NPROF	IPLT	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

CCHV= 0.100 CEHV= 0.300

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	QLOSS	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	ENUST
3.00	6.42	721.72	721.72	724.30	722.42	0.70	0.0	0.0	719.50
1105.	164.	607.	334.	69.	69.	134.	0.	0.	719.70
0.0	2.37	8.76	2.50	0.055	0.035	0.055	0.0	715.30	1107.77
0.005665	3.	3.	3.	0	13	1	0.0	197.32	1305.09

CCHV= 0.100 CEHV= 0.300

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	QLOSS	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	ENUST
5.00	6.20	722.30	722.30	0.0	722.61	0.51	0.01	0.0	718.10
1105.	337.	210.	558.	71.	23.	127.	0.	0.	718.10
0.00	4.73	9.27	4.38	0.025	0.025	0.025	0.017	716.10	1269.10
0.004278	2.	2.	2.	30	10	1	0.0	200.31	1469.41

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

500 YEAR FLOOD WATER SUR

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TO	EG	TOPWID	STENCL	STENCR	VCH	
33	0.00	3.00	0.0	0.0	715.30	362.00	719.97	36.55	720.94	47.88	0.0	0.0	7.95
	3.00	3.00	0.0	0.0	715.30	634.00	721.19	89.06	721.74	157.81	0.0	0.0	7.08
	3.00	3.00	0.0	0.0	715.30	772.00	721.35	100.71	721.98	172.22	0.0	0.0	7.81
	5.00	3.00	0.0	0.0	715.30	1105.00	721.72	135.35	722.42	197.32	0.0	0.0	8.76
83	5.00	2.00	0.0	0.0	716.10	362.00	721.42	63.52	721.83	109.13	0.0	0.0	7.22
	3.00	2.00	0.0	0.0	716.10	634.00	721.85	104.76	722.29	150.50	0.0	0.0	8.13
	5.00	2.00	0.0	0.0	716.10	772.00	722.03	126.77	722.46	167.03	0.0	0.0	8.36
	7.00	2.00	0.0	0.0	716.10	1105.00	722.30	168.95	722.81	200.31	0.0	0.0	9.27
118	40.00	35.00	721.90	720.10	716.10	362.00	722.94	329.33	722.95	290.79	0.0	0.0	1.68
	40.00	35.00	721.90	720.10	716.10	634.00	723.30	454.00	723.32	341.09	0.0	0.0	2.21
	40.00	35.00	721.90	720.10	716.10	772.00	723.64	514.04	723.48	362.09	0.0	0.0	2.41
	40.00	35.00	721.90	720.10	716.10	1105.00	723.73	647.11	723.78	401.44	0.0	0.0	2.81
168	90.00	50.00	0.0	0.0	716.50	362.00	722.91	133.96	722.98	194.91	0.0	0.0	2.89
	90.00	50.00	0.0	0.0	716.50	634.00	723.24	172.44	723.38	208.80	0.0	0.0	4.11
	90.00	50.00	0.0	0.0	716.50	772.00	723.37	190.62	723.54	213.76	0.0	0.0	4.61
	90.00	50.00	0.0	0.0	716.50	1105.00	723.63	228.29	723.87	223.23	0.0	0.0	5.68
318	240.00	150.00	0.0	0.0	717.80	362.00	722.66	41.38	723.45	65.12	0.0	0.0	7.30
	240.00	150.00	0.0	0.0	717.80	634.00	723.59	82.70	724.23	149.17	0.0	0.0	7.51
	240.00	150.00	0.0	0.0	717.80	772.00	723.86	101.67	724.48	173.34	0.0	0.0	7.75
	240.00	150.00	0.0	0.0	717.80	1105.00	724.27	141.07	724.91	197.72	0.0	0.0	8.47
✓	1100.00	860.00	0.0	0.0	723.90	356.00	729.82	36.82	730.74	10.46	0.0	0.0	7.70
	1100.00	860.00	0.0	0.0	723.90	624.00	730.73	47.45	732.65	11.22	0.0	0.0	11.11
	1100.00	860.00	0.0	0.0	723.90	761.00	731.11	52.18	733.57	11.53	0.0	0.0	12.59
	1100.00	860.00	0.0	0.0	723.90	1089.00	734.06	133.56	734.99	120.14	0.0	0.0	8.70
✓	1150.00	50.00	0.0	0.0	725.40	356.00	730.00	23.74	731.79	9.37	0.0	0.0	10.74
	1150.00	50.00	0.0	0.0	725.40	624.00	731.72	41.30	734.09	10.79	0.0	0.0	12.36
	1150.00	50.00	0.0	0.0	725.40	761.00	732.45	50.20	735.07	11.40	0.0	0.0	12.97
	1150.00	50.00	0.0	0.0	725.40	1089.00	735.48	128.39	736.49	118.30	0.0	0.0	8.98
✓	1200.00	50.00	0.0	0.0	727.60	356.00	734.22	35.77	736.17	9.23	0.0	0.0	11.59
	1200.00	50.00	0.0	0.0	727.60	624.00	737.33	123.49	737.94	106.28	0.0	0.0	7.89
	1200.00	50.00	0.0	0.0	727.60	761.00	737.49	139.84	738.18	113.95	0.0	0.0	8.60
	1200.00	50.00	0.0	0.0	727.60	1089.00	737.89	188.38	738.63	123.43	0.0	0.0	9.41
✓	1276.00	76.00	755.40	735.60	727.60	356.00	735.91	61.85	736.77	11.95	0.0	0.0	7.98
	1276.00	76.00	755.40	735.60	727.60	624.00	745.17	3573.12	745.17	285.32	0.0	0.0	0.42
	1276.00	76.00	755.40	735.60	727.60	761.00	749.16	7878.13	749.16	361.91	0.0	0.0	0.27
	1276.00	76.00	755.40	735.60	727.60	1089.00	756.11	20929.14	756.11	725.23	0.0	0.0	0.17
✓	1326.00	50.00	0.0	0.0	729.20	356.00	736.47	53.03	737.00	11.58	0.0	0.0	5.82
	1326.00	50.00	0.0	0.0	729.20	624.00	745.17	1192.96	745.17	254.55	0.0	0.0	0.82
	1326.00	50.00	0.0	0.0	729.20	761.00	749.16	2876.88	749.16	331.18	0.0	0.0	0.49
	1326.00	50.00	0.0	0.0	729.20	1089.00	756.11	8075.22	756.11	409.00	0.0	0.0	0.31

4000-DRAWING-MULTI-PROFILE-TOPO, INC. - 4/15/11

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH
✓ 1376.00	50.00	0.0	0.0	730.70	356.00	736.48	35.32	737.46	10.35	0.0	0.0	7.95
✓ 1376.00	50.00	0.0	0.0	730.70	624.00	745.17	774.02	745.18	222.87	0.0	0.0	1.16
✓ 1376.00	50.00	0.0	0.0	730.70	761.00	749.16	2149.71	749.16	302.40	0.0	0.0	0.62
✓ 1376.00	50.00	0.0	0.0	730.70	1089.00	756.11	6679.38	756.11	409.00	0.0	0.0	0.36
✓ 2900.00	1524.00	0.0	0.0	749.00	277.00	753.56	24.16	754.80	14.72	0.0	0.0	9.20
✓ 2900.00	1524.00	0.0	0.0	749.00	484.00	754.83	42.85	756.42	20.34	0.0	0.0	10.88
✓ 2900.00	1524.00	0.0	0.0	749.00	594.00	755.90	66.96	757.00	55.64	0.0	0.0	9.65
✓ 2900.00	1524.00	0.0	0.0	749.00	856.00	756.76	100.43	757.80	63.69	0.0	0.0	10.11
✓ 2950.00	50.00	0.0	0.0	749.30	277.00	754.55	33.44	755.31	17.10	0.0	0.0	7.34
✓ 2950.00	50.00	0.0	0.0	749.30	484.00	756.10	63.88	756.90	55.19	0.0	0.0	8.16
✓ 2950.00	50.00	0.0	0.0	749.30	594.00	756.59	80.69	757.36	59.31	0.0	0.0	8.33
✓ 2950.00	50.00	0.0	0.0	749.30	858.00	757.31	112.17	758.15	65.98	0.0	0.0	9.26
✓ 3000.00	50.00	0.0	0.0	750.40	277.00	755.39	35.17	756.48	16.16	0.0	0.0	9.51
✓ 3000.00	50.00	0.0	0.0	750.40	484.00	757.26	102.94	757.76	147.93	0.0	0.0	7.18
✓ 3000.00	50.00	0.0	0.0	750.40	594.00	757.54	135.78	757.93	216.20	0.0	0.0	6.67
✓ 3000.00	50.00	0.0	0.0	750.40	858.00	758.14	266.94	758.31	332.08	0.0	0.0	5.35
✓ 3052.00	52.00	756.70	754.40	750.40	277.00	757.45	123.75	757.55	193.83	0.0	0.0	3.48
✓ 3052.00	52.00	756.70	754.40	750.40	484.00	757.85	192.54	757.96	282.82	0.0	0.0	4.07
✓ 3052.00	52.00	756.70	754.40	750.40	594.00	757.98	225.26	758.11	306.20	0.0	0.0	4.33
✓ 3052.00	52.00	756.70	754.40	750.40	858.00	758.32	323.24	758.44	359.94	0.0	0.0	4.49
✓ 3102.00	50.00	0.0	0.0	750.60	277.00	757.38	63.40	757.64	55.11	0.0	0.0	4.69
✓ 3102.00	50.00	0.0	0.0	750.60	484.00	757.47	66.33	758.22	55.55	0.0	0.0	7.92
✓ 3102.00	50.00	0.0	0.0	750.60	594.00	757.49	66.88	758.60	55.63	0.0	0.0	9.66
✓ 3102.00	50.00	0.0	0.0	750.60	858.00	758.39	101.84	759.40	63.98	0.0	0.0	10.00
✓ 3152.00	50.00	0.0	0.0	750.90	277.00	757.44	57.05	757.77	40.03	0.0	0.0	5.08
✓ 3152.00	50.00	0.0	0.0	750.90	484.00	757.72	64.70	758.51	55.31	0.0	0.0	8.08
✓ 3152.00	50.00	0.0	0.0	750.90	594.00	758.19	80.77	758.96	59.33	0.0	0.0	8.33
✓ 3152.00	50.00	0.0	0.0	750.90	858.00	758.90	111.89	759.74	65.23	0.0	0.0	9.28

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH W	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
3,000	362,000	719.973	0.0	0.0	0.0	47.834	0.0	3,000
3,000	634,000	721.183	1.215	0.0	0.0	157.812	-109.927	3,000
3,000	772,000	721.347	0.159	0.0	0.0	172.215	-124.331	3,000
3,000	1105,000	721.722	0.374	0.0	0.0	197.318	-149.434	3,000
5,000	362,000	721.417	0.0	1.444	0.0	109.130	0.0	2,000
5,000	634,000	721.854	0.437	0.666	0.0	150.501	-41.370	2,000
5,000	772,000	722.029	0.175	0.681	0.0	167.026	-57.896	2,000
5,000	1105,000	722.295	0.267	0.574	0.0	200.312	-91.182	2,000
40,000	362,000	722.938	0.0	1.521	0.0	290.794	0.0	35,000
40,000	634,000	723.296	0.358	1.443	0.0	341.094	-50.300	35,000
40,000	772,000	723.442	0.146	1.414	0.0	362.089	-71.295	35,000
40,000	1105,000	723.729	0.287	1.434	0.0	401.442	-110.648	35,000
90,000	362,000	722.908	0.0	-0.030	0.0	194.906	0.0	50,000
90,000	634,000	723.239	0.331	-0.057	0.0	208.797	-13.891	50,000
90,000	772,000	723.373	0.134	-0.069	0.0	213.756	-18.851	50,000
90,000	1105,000	723.627	0.254	-0.102	0.0	223.235	-28.329	50,000
240,000	362,000	722.662	0.0	-0.246	0.0	65.119	0.0	150,000

240,000	634,000	723,592	0.930	0.353	0.0	149,173	-84,054	150,000
240,000	772,000	723,059	0.267	0.486	0.0	173,342	-108,223	150,000
240,000	1105,000	724,275	0.416	0.648	0.0	197,719	-132,600	150,000
1100,000	356,000	729,624	0.0	7.162	0.0	10,464	0.0	860,000
1100,000	624,000	730,735	0.911	7.143	0.0	11,219	-0.755	860,000
1100,000	761,000	731,108	0.373	7.249	0.0	11,528	-1.064	860,000
1100,000	1089,000	734,051	2.048	9.781	0.0	120,143	-109.679	660,000
1150,000	356,000	729,999	0.0	0.174	0.0	9,374	0.0	50,000
1150,000	624,000	731,719	1.721	0.984	0.0	10,793	-1.420	50,000
1150,000	761,000	732,454	0.735	1.346	0.0	11,400	-2.027	50,000
1150,000	1089,000	735,478	3.024	1.423	0.0	118,300	-108.927	50,000
1200,000	356,000	734,239	0.0	4.220	0.0	9,226	0.0	50,000
1200,000	624,000	737,327	3.109	5.608	0.0	106,283	-97.058	50,000
1200,000	761,000	737,495	0.168	5.041	0.0	113,950	-104.725	50,000
1200,000	1089,000	737,894	0.399	2.416	0.0	123,448	-114.223	50,000
1276,000	356,000	735,906	0.0	1.688	0.0	11,950	0.0	76,000
1276,000	624,000	745,170	9.264	7.843	0.0	285,323	-273.373	76,000
1276,000	761,000	749,162	3.992	11.668	0.0	361,912	-349.962	76,000
1276,000	1089,000	756,114	6.952	18.220	0.0	725,228	-713.278	76,000
1326,000	356,000	736,472	0.0	0.566	0.0	11,582	0.0	50,000
1326,000	624,000	745,169	8.698	-0.001	0.0	254,549	-242.967	50,000
1326,000	761,000	749,162	3.993	0.0	0.0	331,184	-319.603	50,000
1326,000	1089,000	756,114	6.952	0.0	0.0	409,000	-397.419	50,000
1376,000	356,000	736,478	0.0	0.006	0.0	10,349	0.0	50,000
1376,000	624,000	745,167	8.689	-0.002	0.0	222,868	-212.520	50,000
1376,000	761,000	749,162	3.994	-0.001	0.0	302,401	-292.052	50,000
1376,000	1089,000	756,114	6.952	-0.001	0.0	409,000	-398.651	50,000
2900,000	277,000	753,563	0.0	17.084	0.0	14,716	0.0	1524,000
2900,000	484,000	754,834	1.272	9.667	0.0	20,338	-5.623	1524,000
2900,000	594,000	755,897	1.063	6.735	0.0	55,641	-40.925	1524,000
2900,000	858,000	756,756	0.859	0.643	0.0	63,689	-48.974	1524,000
2950,000	277,000	754,554	0.0	0.991	0.0	17,103	0.0	50,000
2950,000	484,000	756,100	1.546	1.266	0.0	55,187	-38.083	50,000
2950,000	594,000	756,592	0.492	0.695	0.0	59,308	-42.204	50,000
2950,000	858,000	757,305	0.714	0.549	0.0	65,980	-48.876	50,000
3000,000	277,000	755,385	0.0	0.832	0.0	16,164	0.0	50,000
3000,000	484,000	757,256	1.671	1.156	0.0	147,935	-131.771	50,000
3000,000	594,000	757,535	0.279	0.944	0.0	216,200	-200.006	50,000
3000,000	858,000	758,135	0.600	0.830	0.0	332,082	-315.919	50,000
3052,000	277,000	757,446	0.0	2.060	0.0	193,826	0.0	52,000
3052,000	484,000	757,847	0.401	0.591	0.0	282,822	-88.997	52,000
3052,000	594,000	757,985	0.138	0.449	0.0	306,198	-112.373	52,000
3052,000	858,000	758,318	0.333	0.183	0.0	359,938	-166.112	52,000
3102,000	277,000	757,377	0.0	-0.063	0.0	55,113	0.0	50,000
3102,000	484,000	757,475	0.098	-0.372	0.0	55,551	-0.438	50,000
3102,000	594,000	757,494	0.019	-0.491	0.0	55,629	-0.516	50,000
3102,000	858,000	758,387	0.893	0.069	0.0	63,975	-8.863	50,000
3152,000	277,000	757,443	0.0	0.066	0.0	40,029	0.0	50,000
3152,000	484,000	757,722	0.275	0.248	0.0	55,311	-15.281	50,000
3152,000	594,000	758,194	0.471	0.699	0.0	59,327	-19.298	50,000
3152,000	858,000	758,897	0.703	0.510	0.0	65,927	-25.898	50,000

DATA FOR LAST CROSS SECTION
 PROFILE TYPE FNC TARGET TOP WIDTH TOP WIDTH

AREA-ACRES AREA-DIFF

1	0.0	0.0	2.502	0.0
2	0.0	0.0	8.654	6.152
3	0.0	0.0	11.377	8.875
4	0.0	0.0	15.911	13.409

MOORE CLARK PRINTING CO. MOORE BUSINESS SYSTEMS, INC. & AFFILIATED