

Profile
Lexington 3L

WANNONAH M. DEAN

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PROGRAMMER=KEZIAH

ACCOUNT=RTI.A25.P03078

JOB TURN-AROUND			JOB PARAMETERS			TIME USED INCLUDES			MISC. JOB VALUES		
	DATE	TIME		SPECIFIED	USED		NO.	EQUIVALENT			
ENTERED	8/16/77	16:45:27.6	TIME	2:00.0	0:16.2	CPU		0:03.3	LINES IN		72
EXECUTED	8/16/77	18:05:11.3	PAGES	100	18	UR EXCPS	936	0:03.8	LINES OUT		779
RETURNED	8/17/77	9:10:40.2	CARDS	0	0	DISK EXCPS	460	0:09.2	MEMORY TIME		8105 K-SEC
JOB ENTERED ON TUESDAY			PLOTS	0	0	TAPE READ-WRITE		0:00.0	PRIORITY		00
						TAPE FILE SEARCH		0:00.0	APPROX. COST		\$3.44

JOB CONSOLE LOG

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N 18.03.02 JOB      8 -- RMAK3I  -- JCL INTERPRETED, TUCC CPU #2
N 18.05.10 JOB      8 -- RMAK3I  -- BEGINNING EXEC - INIT 6 - CLASS
L*18.05.11 JOB      8 +++++S=068,T=02,J=RMAK3L  18:05:11 KEZIAH
N 18.06.22 JOB      8 END EXECUTION.
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 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

C
 T1 LEXINGTON-DAVIDSON CO. STRM 19-3L
 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	FG
	-1.	2.	0.	0.	0.005000	0.0	0.0	0.	688,100	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									
	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	0.055	0.035	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	782.000	1239.000	1448.000	1923.000	1448.000	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	500.000	10.000	1142.000	1154.000	500.000	500.000	500.000	500.000	0.0	0.0
GR	700.600	1000.000	686.600	1100.000	684.500	1113.000	685.600	1142.000	683.300	1143.000
GR	683.100	1145.000	683.300	1151.000	685.400	1154.000	684.100	1200.000	685.800	1256.000
QT	5.000	403.000	703.000	855.000	1217.000	855.000	0.0	0.0	0.0	0.0
X1	2400.000	10.000	1131.000	1149.000	1900.000	1900.000	1900.000	1900.000	0.0	0.0
GR	713.700	1000.000	698.200	1100.000	698.400	1131.000	692.800	1136.000	692.000	1140.000
GR	692.200	1143.000	698.400	1149.000	697.000	1200.000	710.800	1300.000	713.700	1320.000
QT	5.000	269.000	502.000	627.000	936.000	627.000	0.0	0.0	0.0	0.0
X1	3850.000	9.000	1125.000	1141.000	1500.000	1500.000	1500.000	1500.000	0.0	0.0
GR	735.900	1000.000	721.100	1125.000	714.800	1130.000	714.600	1133.000	714.400	1136.000
GR	720.100	1141.000	723.400	1200.000	732.100	1300.000	735.900	1333.000	0.0	0.0
X1	3900.000	0.0	0.0	0.0	50.000	50.000	50.000	50.000	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	3950.000	21.000	1497.000	1503.000	50.000	50.000	50.000	50.000	0.0	0.0
GR	753.300	1000.000	753.000	1100.000	752.700	1200.000	735.900	1367.000	721.100	1492.000
GR	719.100	1497.000	716.700	1497.500	715.800	1498.000	715.000	1499.000	714.600	1500.000
GR	715.000	1501.000	715.800	1502.000	716.700	1502.500	719.100	1503.000	720.100	1508.000
GR	723.400	1567.000	732.100	1667.000	735.900	1700.000	753.800	1800.000	754.200	1900.000

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

T1 LEXINGTON-DAVIDSON CO. STRM 19-3L
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	3.	0.	0.	0.005000	0.0	0.0	0.	689.100	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

*PROF 2

CCHV= 0.100 CEHV= 0.300
 *SECNO 500.000
 3280 CROSS SECTION 500.00 EXTENDED 0.93 FEET

SECNO	DEPTH	CWSEL	CRISW	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
500.00	3.63	686.73	0.0	687.10	687.05	0.32	0.0	0.0	685.60
1239.	163.	216.	861.	64.	38.	191.	0.	0.	685.40
0.0	2.54	5.73	4.51	0.055	0.035	0.035	0.0	683.10	1099.08
0.004950	500.	500.	500.	0	0	4	0.0	156.92	1256.00

*SECNO 2400.000

SECNO	DEPTH	CWSEL	CRISW	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

7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

2400.00	6.53	698.53	698.53	0.0	699.18	0.65	9.87	0.10	698.40
703.	6.	557.	141.	7.	78.	51.	9.	6.	698.40
0.08	0.75	7.16	2.79	0.055	0.035	0.035	0.035	692.00	1097.89
0.005668	1900.	1900.	1900.	4	19	0	0.0	113.17	1211.06

*SECNO 3850.000

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	OLOSS	BANK ELEV
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 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 LEXINGTON-DAVIDSON CO. STRM 19-3L
 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	FQ
	-10.	4.	0.	0.	0.005000	0.0	0.0	0.	691.100	0.0
J2	NPROF	IPLT	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 500.000
 3280 CROSS SECTION 500.00 EXTENDED 1.12 FEET

SECNO	DEPTH	CWSEL	CRIWS	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
500.00	3.82	686.91	0.0	691.10	687.27	0.36	0.0	0.0	685.60
1448.	198.	238.	1012.	72.	40.	210.	0.	0.	685.40
0.0	2.74	5.98	4.82	0.055	0.035	0.035	0.0	683.10	1097.75
0.004998	500.	500.	500.	0	0	6	0.0	158.25	1256.00

*SECNO 2400.000

SECNO	DEPTH	CWSEL	CRIWS	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

7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

2400.00	6.68	698.68	698.68	0.0	699.45	0.77	10.51	0.12	698.40
855.	14.	639.	202.	13.	81.	60.	10.	6.	698.40
0.08	1.14	7.93	3.35	.055	0.035	0.035	0.035	692.00	1096.90
0.006645	1900.	1900.	1900.	4	15	0	0.0	115.27	1212.17

*SECNO 3850.000

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
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 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 LEXINGTON-DAVIDSON CO. STRM 19-3L
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	5.	0.	0.	0.005000	0.0	0.0	0.	692.100	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.006	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 500.000
 3280 CROSS SECTION 500.00 EXTENDED 1.51 FEET

SECNO	DEPTH	CWSEL	CRIWS	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
500.00	4.21	687.31	0.0	692.10	687.75	0.44	0.0	0.0	685.60
1923.	281.	288.	1354.	90.	45.	250.	0.	0.	685.40
0.0	3.11	6.45	5.41	0.055	0.035	0.035	0.0	683.10	1094.91
0.004997	500.	500.	500.	0	0	6	0.0	161.09	1256.00

*SECNO 2400.000

SECNO	DEPTH	CWSEL	CRIWS	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

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

2400.00	7.16	699.16	679.16	0.0	699.97	0.81	10.61	0.11	698.40
1217.	58.	763.	396.	30.	89.	91.	13.	6.	698.40
0.08	1.94	8.56	4.33	0.055	0.035	0.035	0.035	692.00	1093.80
0.006752	1900.	1900.	1900.	4	19	0	0.0	121.85	1215.66

*SECNO 3950.000

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
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 HEC2 RELEASE DATED NOV 76 (UPDATED FEB 1977)
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

10 YEAR FLOOD WATER SURF

SUMMARY PRINTOUT

SECNO	XLCH	ELYRD	ELLC	Q	ELMIN	CWSEL	CRISW	VCH	SSTA	ENDST	AREA	DIFWSP
0.00												
500.000	500.00	0.0	0.0	782.00	683.10	686.25	0.0	5.14	1102.19	1256.00	217.48	0.0
500.000	500.00	0.0	0.0	1239.00	683.10	686.73	0.0	5.73	1099.08	1256.00	292.38	0.48
500.000	500.00	0.0	0.0	1448.00	683.10	686.91	0.0	5.98	1097.75	1256.00	321.72	0.19
500.000	500.00	0.0	0.0	1923.00	683.10	687.31	0.0	6.45	1094.91	1256.00	385.19	0.40
2400.000	1900.00	0.0	0.0	403.00	692.00	697.03	0.0	7.68	1132.23	1200.16	52.48	0.0
* 2400.000	1900.00	0.0	0.0	703.00	692.00	698.53	698.53	7.16	1097.89	1211.06	135.72	1.50
* 2400.000	1900.00	0.0	0.0	855.00	692.00	698.68	698.68	7.93	1096.90	1212.17	153.29	0.15
* 2400.000	1900.00	0.0	0.0	1217.00	692.00	699.16	699.16	8.56	1093.80	1215.66	210.25	0.48
* 3850.000	1500.00	0.0	0.0	269.00	714.40	717.94	717.94	9.13	1127.51	1139.11	29.47	0.0
* 3850.000	1500.00	0.0	0.0	502.00	714.40	719.37	719.37	10.51	1126.37	1140.36	47.76	1.43
* 3850.000	1500.00	0.0	0.0	627.00	714.40	719.90	719.90	11.33	1125.96	1140.82	55.33	0.53
* 3850.000	1500.00	0.0	0.0	936.00	714.40	721.84	721.84	9.76	1118.76	1172.09	115.16	1.94
3900.000	50.00	0.0	0.0	269.00	714.40	717.24	0.0	5.84	1126.47	1140.25	46.04	0.0
3900.000	50.00	0.0	0.0	502.00	714.40	720.89	0.0	6.97	1125.17	1155.14	76.26	1.65
3900.000	50.00	0.0	0.0	627.00	714.40	721.76	0.0	6.70	1119.43	1170.66	110.99	0.87
3900.000	50.00	0.0	0.0	936.00	714.40	722.94	0.0	6.77	1109.50	1191.70	189.49	1.18
* 3950.000	50.00	0.0	0.0	269.00	714.60	720.50	720.50	8.42	1493.51	1515.07	36.73	0.0
* 3950.000	50.00	0.0	0.0	502.00	714.60	721.71	721.71	8.57	1486.87	1536.73	78.91	1.21
* 3950.000	50.00	0.0	0.0	627.00	714.60	722.07	722.07	8.76	1483.80	1543.24	98.81	0.36
3950.000	50.00	0.0	0.0	936.00	714.60	723.14	0.0	7.45	1474.76	1562.37	177.47	1.07
4051.000	101.00	752.60	723.60	269.00	714.60	720.50	0.0	8.40	1493.50	1515.18	36.86	0.0
4051.000	101.00	752.60	723.60	502.00	714.60	721.71	0.0	8.55	1486.84	1536.79	79.08	1.21
4051.000	101.00	752.60	723.60	627.00	714.60	722.07	0.0	8.74	1483.77	1543.30	98.99	0.36
4051.000	101.00	752.60	723.60	936.00	714.60	735.83	0.0	0.34	1367.60	1699.39	2895.37	13.75
4101.000	50.00	0.0	0.0	269.00	714.60	721.53	0.0	3.28	1123.04	1163.02	91.49	0.0
4101.000	50.00	0.0	0.0	502.00	714.60	722.43	0.0	4.61	1115.50	1176.99	137.73	0.90
4101.000	50.00	0.0	0.0	627.00	714.60	722.71	0.0	5.24	1113.12	1184.02	156.63	0.28
4101.000	50.00	0.0	0.0	936.00	714.60	735.83	0.0	0.46	1002.31	1330.63	2858.11	13.12
4151.000	50.00	0.0	0.0	269.00	714.80	721.57	0.0	3.44	1124.39	1160.18	85.47	0.0
4151.000	50.00	0.0	0.0	502.00	714.80	722.49	0.0	4.81	1116.60	1176.66	129.64	0.92
4151.000	50.00	0.0	0.0	627.00	714.80	722.79	0.0	5.45	1114.08	1181.98	148.71	0.30
4151.000	50.00	0.0	0.0	936.00	714.80	735.83	0.0	0.47	1003.99	1328.89	2792.80	13.04

SUMMARY OF ERRORS

CAUTION	SECNO= 2400.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 2400.000	PROFILE= 2	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 2400.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 2400.000	PROFILE= 3	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 2400.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 2400.000	PROFILE= 4	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 3850.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 3850.000	PROFILE= 1	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 3850.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 3850.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 3850.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 3850.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 3850.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 3850.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 3850.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 3850.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 3850.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 3950.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 3950.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 3950.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 3950.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 3950.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 3950.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 3950.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 3950.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 3950.000	PROFILE= 3	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		
		10C	2C	0.2C
500,000	0.	-0.7	-0.2	0.4
2400,000	1200.	-1.6	-0.2	0.5
3850,000	3400.	-2.0	-0.5	1.9
3900,000	3450.	-2.5	-0.9	1.2
3950,000	3500.	-1.6	-0.4	1.1
4051,000	3601.	-1.6	-0.4	13.8
4101,000	3651.	-1.2	-0.3	13.1
4151,000	3701.	-1.2	-0.3	13.0

WEIGHTED AVG FOR REACH		-1.5	-0.3	1.3

FHF FOR THE REACH = 015 WITH 97.3% OF THE REACH WITHIN 0.5 FEET ZONE FOR THE REACH = A 3

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

EJ