

HALL LARK

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MADE IN U.S.A.

PROGRAMMER=KEZIAH ACCOUNT=RTI.A25.P03078

JOB TURN-AROUND

JOB PARAMETERS

TIME USED INCLUDES

MISC. JOB VALUES

	DATE	TIME	SPECIFIED	USED	NO.	EQUIVALENT.	NO.	EQUIVALENT.
ENTERED	6/27/77	14:27:42.1	2:00.0	0:12.2	CPU	0:03.0	LINES IN	67
EXECUTED	6/27/77	14:20:29.4	100	14	UR EXCPS	0:09.2	LINES OUT	664
RETURNED	6/28/77	9:28:41.5	0	0	DISK EXCPS	0:06.0	MEMORY TIME	6105 K-SEC
JOB ENTERED ON SUNDAY			0	0	TAPE READ-WRITE	0:00.0	PRIORITY	00
					TAPE FILE SEARCH	0:00.0	APPROX. COST	52.73

JOB CONSOLE LOG

N 18.19.59 JOB 12 -- RMK30T -- JCL INTERPRETED, TUCC CPU #2

N 18.20.29 JOB 12 -- RMK30T -- BEGINNING EXEC - INIT 1 - CLASS

L\*18.20.29 JOB 12 +++++S=06A,T=02,J=RMK30T 19:20:29 KEZIAH

N 18.21.54 JOB 12 END EXECUTION.

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 HEC2 VERSION UPDATED JAN 1975  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08  
 MODIFICATIONS 52,53,54,55,56,57,58  
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C  
 1 THOMASVILLE-DAVIDSON CO. STRM 30T  
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6916  
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ICG	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-1.	2.	0.	0.	0.032000	0.0	0.0	0.	820.900	0.0
J2	NPROF	IPLT	PREVS	XSECV	XSECH	FW	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
WC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	142.000	271.000	345.000	532.000	345.000	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	200.000	11.000	1251.000	1261.000	200.000	200.000	200.000	0.0	-3.500	0.0
GR	834.900	1000.000	831.700	1100.000	823.200	1200.000	822.200	1251.000	817.800	1254.000
GR	817.400	1257.000	817.900	1259.000	822.000	1261.000	826.300	1300.000	828.000	1400.000
GR	834.900	1550.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	250.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	3.500	0.0
WC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	300.000	14.000	1255.800	1258.300	50.000	50.000	50.000	0.0	0.0	0.0
GR	834.100	1000.000	830.500	1100.000	826.400	1200.000	826.500	1215.000	825.700	1251.000
GR	822.100	1255.800	821.400	1256.000	820.900	1257.000	821.400	1258.300	825.500	1261.000
GR	826.600	1270.000	826.500	1300.000	830.600	1400.000	836.900	1550.000	0.0	0.0
GR	0.900	1.500	2.500	0.0	2.500	0.010	4.900	0.0	0.0	0.0
X1	300.000	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	823.400	826.400	0.0	0.0	0.0	0.0	0.0
BT	10.000	1000.000	834.100	0.0	1100.000	830.500	0.0	1200.000	826.400	0.0
BT	121.000	826.500	0.0	1255.800	826.400	822.100	1256.000	826.400	822.900	1257.000
BT	826.400	823.400	1258.000	326.400	822.900	1258.300	826.400	822.100	1270.000	826.600
BT	0.0	1400.000	826.500	0.0	1400.000	630.600	0.0	1550.000	836.900	0.0
WC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	390.000	11.000	1251.000	1261.000	50.000	50.000	50.000	0.0	3.500	0.0
GR	834.900	1000.000	831.700	1100.000	823.200	1200.000	822.200	1251.000	817.800	1254.000
GR	817.400	1257.000	817.900	1259.000	822.000	1261.000	826.300	1300.000	828.000	1400.000
GR	834.900	1550.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	440.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.0	0.0
BT	5.000	82.000	163.000	211.000	337.000	211.000	0.0	0.0	0.0	0.0
X1	1100.000	11.000	1201.000	1209.000	652.000	652.000	652.000	0.0	0.0	0.0
GR	842.300	1000.000	835.400	1100.000	826.900	1200.000	826.100	1201.000	821.800	1202.000
GR	820.800	1205.000	822.400	1207.000	825.900	1209.000	828.400	1300.000	835.400	1400.000

MADE IN U.S.A.

100% GUARANTEED WORKMANSHIP

GR 841.800 1462.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0  
 EJ 0.0 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	CORAR	TOPWID	ENDST
200.00	2.90	816.80	816.80	820.90	817.89	1.09	0.0	0.0	818.70
142.	0.	142.	0.	0.	17.	0.	0.	0.	818.50
0.0	0.0	8.38	0.0	0.055	0.035	0.055	0.0	815.90	1252.29
0.021341	200.	200.	200.	0	18	1	0.0	7.88	1260.17

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	CORAR	TOPWID	ENDST
250.00	2.90	820.30	820.30	0.0	821.39	1.09	1.06	0.0	822.20
142.	0.	142.	0.	0.	17.	0.	0.	0.	822.00
0.0	0.0	8.37	0.0	0.055	0.035	0.055	0.034	817.40	1252.29
0.021255	50.	50.	50.	30	5	1	0.0	7.88	1260.17

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	CORAR	TOPWID	ENDST
300.00	4.07	824.97	824.97	0.0	826.09	1.12	0.54	0.0	822.10
142.	29.	93.	20.	6.	9.	4.	0.	0.	821.40
0.0	5.29	9.84	4.77	0.025	0.025	0.025	0.029	820.90	1251.97
0.006562	50.	50.	50.	30	11	1	0.0	8.68	1260.65

SPECIAL BRIDGE

5070.VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

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 HEC2 VERSION UPDATED JAN 1975  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 THOMASVILLE-DAVIDSON CO. STRM 30T  
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918  
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FG  
 -10. 3. 0. 0. 0.032000 0.0 0.0 0. 821.900 0.0

J2 NPROF IPILOT PRFVS XSECV XSECH FN ALLOC IBW CHNIM ITRACE  
 2.000 0.0 -1.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0

CEHV= 0.100 CEHV= 0.300

3720 ASSUMED CRITICAL DEPTH

SECHO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	OLUSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOC	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
200.00	4.14	818.04	818.04	821.90	819.54	1.50	0.0	0.0	818.70
271.	0.	271.	0.	0.	28.	0.	0.	0.	818.50
0.0	0.0	9.83	0.0	0.055	0.035	0.055	0.0	815.90	1251.45
0.021022	200.	200.	200.	0	11	1	0.0	9.32	1260.77

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECHO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	OLUSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOC	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
250.00	4.14	821.54	821.54	0.0	823.04	1.49	1.05	0.0	822.20
271.	0.	271.	0.	0.	28.	0.	0.	0.	822.00
0.00	0.0	9.81	0.0	0.055	0.035	0.055	0.034	817.40	1251.45
0.020902	50.	50.	50.	30	5	1	0.0	9.33	1260.78

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

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 REC2 VERSION UPDATED JAN 1975  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 THOMASVILLE-DAVIDSON CO. STRM 30T  
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918  
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	IMG	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	4.	0.	0.	0.032000	0.0	0.0	0.	823.900	0.0
J2	NPROF	IPL0T	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

CCHV= 0.100 CCHV= 0.300

5720 ASSUMED CRITICAL DEPTH

SECTO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	QLOB	CCH	GROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VR0B	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
200.00	4.71	818.61	818.61	823.90	820.30	1.69	0.0	0.0	818.70
345.	0.	345.	0.	0.	33.	0.	0.	0.	818.50
0.0	0.0	10.42	0.04	0.055	0.035	0.055	0.0	813.90	1251.06
0.020723	200.	200.	200.	0	16	1	0.0	10.93	1261.99

3685 20 TRIALS USED WSEL,CWSEL

7185 1M SPECIFIC ENERGY

5720 ASSUMED CRITICAL DEPTH

SECTO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	QLOB	CCH	GROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VR0B	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
250.00	4.65	822.05	822.05	0.0	823.80	1.75	1.07	0.0	822.20
345.	0.	345.	0.	0.	32.	0.	0.	0.	822.00
0.00	0.0	10.53	0.04	0.055	0.035	0.055	0.034	817.40	1251.10
0.021951	50.	50.	50.	30	8	1	0.0	10.31	1261.41

CCHV= 0.100 CCHV= 0.300

3685 20 TRIALS USED WSEL,CWSEL

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 HEC2 VERSION UPDATED JAN 1975  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 THORASVILLE-DAVIDSON CO. STRM 30T  
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918  
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INC	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	5.	0.	0.	0.032000	0,0	0.0	0.	824.900	0.0

J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLOC	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	CWS L	CRIMS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOS	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
200.00	6.35	820.25	820.25	824.90	820.93	0.68	0.0	0.0	818.70
532.	123.	381.	28.	55.	49.	14.	0.	0.	818.50
0.0	2.23	7.71	2.01	0.055	0.035	0.055	0.0	815.90	1193.58
0.006698	200.	200.	200.	0	16	1	0.0	83.25	1276.83

3685 20 TRIALS USED WSEL,CWSEL

7183 (1) SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIMS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOS	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
250.00	6.25	823.65	823.65	0.0	824.43	0.78	0.36	0.0	822.20
532.	112.	394.	26.	50.	49.	12.	0.	0.	822.00
0.00	2.25	8.12	2.07	0.055	0.035	0.055	0.034	817.40	1194.67
0.007634	50.	50.	50.	30	5	1	0.0	81.32	1275.99

CCHV= 0.100 CEHV= 0.300

3685 20 TRIALS USED WSEL,CWSEL

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	TG	EG	TOPWID	STENCL	STENCR	VCH
200.00	200.00	0.0	0.0	813.90	142.00	816.80	9.72	817.89	7.88	0.0	0.0	8.38
200.00	200.00	0.0	0.0	813.90	271.00	818.04	18.69	819.54	9.32	0.0	0.0	9.83
200.00	200.00	0.0	0.0	813.90	345.00	818.61	23.97	820.30	10.93	0.0	0.0	10.42
200.00	200.00	0.0	0.0	813.90	532.00	820.24	65.00	820.93	83.25	0.0	0.0	7.71
250.00	50.00	0.0	0.0	817.40	142.00	820.30	9.74	821.39	7.88	0.0	0.0	8.37
250.00	50.00	0.0	0.0	817.40	271.00	821.54	18.74	823.04	9.33	0.0	0.0	9.81
250.00	50.00	0.0	0.0	817.40	345.00	822.05	23.29	823.80	10.31	0.0	0.0	10.63
250.00	50.00	0.0	0.0	817.40	532.00	823.65	60.89	824.43	81.32	0.0	0.0	8.12
300.00	50.00	0.0	0.0	820.90	142.00	824.97	17.50	826.09	8.68	0.0	0.0	9.84
300.00	50.00	0.0	0.0	820.90	271.00	826.73	58.79	827.10	113.87	0.0	0.0	7.22
300.00	50.00	0.0	0.0	820.90	345.00	826.89	71.36	827.28	121.61	0.0	0.0	7.71
300.00	50.00	0.0	0.0	820.90	532.00	827.15	94.35	827.62	132.96	0.0	0.0	9.24
348.00	44.00	826.40	823.40	820.90	142.00	826.92	73.80	826.98	122.96	0.0	0.0	3.08
348.00	44.00	826.40	823.40	820.90	271.00	827.30	114.72	827.38	141.32	0.0	0.0	3.94
348.00	44.00	826.40	823.40	820.90	345.00	827.44	134.06	827.54	148.33	0.0	0.0	4.36
348.00	44.00	826.40	823.40	820.90	532.00	827.75	182.92	827.88	163.45	0.0	0.0	5.09
398.00	50.00	0.0	0.0	820.90	142.00	826.93	52.09	827.01	76.78	0.0	0.0	2.46
398.00	50.00	0.0	0.0	820.90	271.00	827.28	66.69	827.45	84.02	0.0	0.0	3.85
398.00	50.00	0.0	0.0	820.90	345.00	827.40	72.59	827.63	86.58	0.0	0.0	4.57
398.00	50.00	0.0	0.0	820.90	532.00	827.64	85.39	828.03	91.65	0.0	0.0	6.18
448.00	50.00	0.0	0.0	820.90	142.00	826.97	53.35	827.05	77.48	0.0	0.0	2.41
448.00	50.00	0.0	0.0	820.90	271.00	827.38	71.51	827.53	86.12	0.0	0.0	3.63
448.00	50.00	0.0	0.0	820.90	345.00	827.55	80.17	827.74	89.65	0.0	0.0	4.22
448.00	50.00	0.0	0.0	820.90	532.00	827.93	102.84	828.21	97.76	0.0	0.0	5.32
1100.00	652.00	0.0	0.0	820.80	82.00	827.37	42.48	827.41	68.27	0.0	0.0	1.63
1100.00	652.00	0.0	0.0	820.80	163.00	828.11	69.77	828.15	103.52	0.0	0.0	2.16
1100.00	652.00	0.0	0.0	820.80	211.00	828.43	86.43	828.48	118.21	0.0	0.0	2.34
1100.00	652.00	0.0	0.0	820.80	337.00	829.05	135.17	829.10	134.59	0.0	0.0	2.55

Limit of Study

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH G	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
200.000	142.000	816.800	0.0	0.0	0.0	7.676	0.0	200.000
200.000	271.000	818.035	1.236	0.0	0.0	9.321	-1.445	200.000
200.000	345.000	818.609	0.574	0.0	0.0	10.933	-3.057	200.000
200.000	532.000	820.245	1.636	0.0	0.0	83.251	-75.375	200.000
250.000	142.000	820.303	0.0	3.503	0.0	7.880	0.0	50.000
250.000	271.000	821.542	1.239	3.506	0.0	9.328	-1.448	50.000
250.000	345.000	822.045	0.504	3.436	0.0	10.309	-2.429	50.000
250.000	532.000	823.652	1.607	3.408	0.0	81.318	-73.438	50.000
300.000	142.000	824.972	0.0	4.669	0.0	8.683	0.0	50.000
300.000	271.000	826.734	1.761	5.192	0.0	113.868	-105.185	50.000
300.000	345.000	826.892	0.159	4.847	0.0	121.609	-112.926	50.000
300.000	532.000	827.125	0.233	3.473	0.0	132.959	-124.276	50.000

348,000	142,000	826,919	0.0	1,947	0.0	122,955	0.0	48,000
348,000	271,000	827,295	0.376	0,562	0.0	141,322	-18,366	48,000
348,000	345,000	827,439	0.144	0,547	0.0	148,331	-25,375	48,000
348,000	532,000	827,748	0.309	0,623	0.0	163,452	-40,497	48,000
398,000	142,000	826,934	0.0	0,014	0.0	76,783	0.0	50,000
398,000	271,000	827,281	0.348	-0,014	0.0	84,016	-7,232	50,000
398,000	345,000	827,404	0.123	-0,036	0.0	86,577	-9,794	50,000
398,000	532,000	827,642	0.238	-0,106	0.0	91,648	-14,865	50,000
448,000	142,000	826,974	0.0	0,040	0.0	77,476	0.0	50,000
448,000	271,000	827,382	0.409	0,101	0.0	86,121	-8,645	50,000
448,000	345,000	827,551	0.169	0,148	0.0	89,651	-12,175	50,000
448,000	532,000	827,935	0.384	0,293	0.0	97,758	-20,282	50,000
1100,000	82,000	827,374	0.0	0,400	0.0	68,273	0.0	652,000
1100,000	163,000	828,107	0.733	0,724	0.0	103,516	-35,243	652,000
1100,000	211,000	828,429	0.323	0,878	0.0	118,208	-49,934	652,000
1100,000	337,000	829,047	0.618	1,113	0.0	134,594	-66,320	652,000

DATA FOR LAST CROSS SECTION PROFILE

TYPE ENC TARGET TOP WIDTH TOP WIDTH  
AREA-ACRES AREA-DIFF

1	0.0	0.0	1.385	0.0
2	0.0	0.0	1.868	0.483
3	0.0	0.0	2.028	0.643
4	0.0	0.0	2.375	0.990



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

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