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

T1 STREAM 15L LEXINGTON-DAVIDSON CO.
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INC	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FA
	-1.	2.	0.	0.	0.040000	0.0	0.0	0.	631.100	0.0
J2	NPROF	IPLOT	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	0.0	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	38.000	39.000	40.000	41.000	43.000	42.000	1.000	2.000	26.000	53.000
	54.000	25.000	50.000	0.0	201.000	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
QT	4.000	350.000	220.000	750.000	1030.000	0.0	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	330.000	11.000	1120.000	1136.000	330.000	330.000	330.000	330.000	0.0	0.0
GR	641.500	1000.000	632.300	1060.000	628.500	1100.000	628.100	1120.000	626.300	1125.000
GP	626.100	1126.000	626.300	1131.000	631.200	1136.000	630.800	1145.000	632.000	1155.000
GR	641.500	1181.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	4.000	250.000	650.000	560.000	630.000	0.0	0.0	0.0	0.0	0.0
X1	892.000	12.000	1086.000	1094.000	562.000	562.000	562.000	562.000	0.0	0.0
GP	667.000	1000.000	663.000	1014.000	655.800	1034.000	655.300	1043.000	653.600	1063.000
GR	653.900	1026.000	652.300	1028.000	652.000	1020.000	652.300	1022.000	653.700	1094.000
GR	655.400	1100.000	667.000	1144.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	1142.000	0.0	0.0	0.0	250.000	250.000	250.000	250.000	0.0	19.200
X1	1242.000	23.000	1141.500	1150.500	100.000	100.000	100.000	100.000	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	691.800	691.800
GR	711.100	1000.000	693.800	1060.000	689.800	1074.000	682.600	1094.000	682.100	1103.000
GR	680.400	1123.000	682.400	1141.500	681.200	1142.100	680.600	1143.300	681.200	1144.500
GR	682.400	1145.000	679.600	1149.000	679.100	1149.200	678.900	1149.700	679.100	1150.200
GR	679.600	1150.500	679.100	1152.000	680.500	1154.000	682.200	1160.000	691.800	1200.000
GR	695.800	1300.000	707.600	1400.000	711.200	1426.000	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	1243.000	0.0	0.0	0.0	1.000	1.000	1.000	1.000	0.0	0.0

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T1 STREAM 15L LEXINGTON-DAVIDSON CO.
 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	FO
	-10.	3.	3.	0.	0.040090	0.0	0.0	0.	632.100	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 CSHV= 0.300

*SECNO 330.000

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
3720	CRITICAL	DEPTH	ASSUMED						
330.00	4.06	630.16	630.16	632.10	631.09	0.93	0.0	0.0	628.10
520.	203.	417.	0.	52.	46.	0.	0.	0.	631.20
0.0	3.92	9.05	0.0	0.055	0.035	0.055	0.0	626.10	1082.55
0.011844	330.	330.	330.	0	19	0	0.0	52.39	1134.94

*SECNO 892.000

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

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

892.00	3.51	655.51	655.51	0.0	656.13	0.62	6.56	0.03	653.90
450.	235.	199.	16.	62.	23.	6.	1.	1.	653.70
0.03	3.78	8.53	2.74	0.055	0.035	0.055	0.035	652.00	1039.15
0.011432	562.	562.	562.	20	10	0	0.0	61.28	1100.43

*SECNO 1142.000

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

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T1 STREAM 15L LEXINGTON-DAVIDSON CO.
 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	FG
	-10.	4.	0.	0.	0.040000	0.0	0.0	0.	634.100	0.0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLOC	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 330.000

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
3720	CRITICAL DEPTH ASSUMED								
330.00	4.35	630.45	630.45	634.10	631.45	1.00	0.0	0.0	628.10
750.	269.	481.	0.	63.	51.	0.	0.	0.	631.20
0.0	4.28	9.52	0.0	0.055	0.035	0.055	0.0	626.10	1079.50
0.011998	330.	330.	330.	0	11	0	0.0	55.73	1125.23

*SECNO 892.000

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

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY

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
3720	CRITICAL DEPTH ASSUMED								
892.00	3.71	655.71	655.71	0.0	656.43	0.72	6.87	0.03	653.90
560.	305.	233.	23.	72.	25.	7.	1.	1.	653.70
0.02	4.24	9.34	3.20	0.055	0.035	0.055	0.035	652.00	1035.59
0.012550	562.	562.	562.	20	12	0	0.0	65.60	1101.18

*SECNO 1142.000

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

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T1 STREAM 15L LEXINGTON-DAVIDSON CO.
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	-10.	5.	0.	0.	0.040000	0.0	0.0	0.	635.100	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 4

CCHV= 0.100 CEHV= 0.300
 *SECNO 330.000

3265 DIVIDED FLOW

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOG	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
3720	CRITICAL	DEPTH	ASSUMED						
330.00	4.98	631.08	631.08	635.10	632.22	1.14	0.0	0.0	628.10
1080.	451.	628.	1.	91.	60.	1.	0.	0.	631.20
0.0	4.96	10.40	0.01	0.055	0.035	0.055	0.0	626.10	1072.80
0.012092	330.	330.	330.	0	11	0	0.0	71.03	1147.37

*SECNO 892.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOG	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3685 20 TRIALS ATTEMPTED WSEL, CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

892.00	4.18	656.18	656.18	0.0	657.05	0.87	7.09	0.03	653.90
830.	404.	303.	43.	96.	29.	11.	2.	1.	653.70
0.02	5.02	10.57	3.94	0.055	0.035	0.055	0.035	652.00	1032.94
0.013341	562.	562.	562.	20	12	0	0.0	70.02	1102.96

*SECNO 1142.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT

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

10 YEAR FLOOD WATER SURF
 SUMMARY PRINTOUT

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
* 330.000	330.00	0.0	0.0	350.00	626.10	629.45	629.45	7.55	1089.95	1134.22	63.78	0.0
* 330.000	330.00	0.0	0.0	620.00	626.10	630.16	630.16	9.05	1082.55	1134.94	97.77	0.70
* 330.000	330.00	0.0	0.0	750.00	626.10	630.45	630.45	9.52	1079.50	1135.23	113.41	0.29
* 330.000	330.00	0.0	0.0	1000.00	626.10	631.08	631.08	10.40	1072.80	1147.37	152.45	0.64
* 892.000	562.00	0.0	0.0	250.00	652.00	654.95	654.95	7.15	1047.12	1098.41	59.87	0.0
* 892.000	562.00	0.0	0.0	450.00	652.00	655.51	655.51	8.53	1039.15	1100.43	91.37	0.56
* 892.000	562.00	0.0	0.0	560.00	652.00	655.71	655.71	9.34	1035.59	1101.18	103.93	0.20
* 892.000	562.00	0.0	0.0	830.00	652.00	656.18	656.18	10.57	1032.94	1102.96	135.99	0.47
* 1142.000	250.00	0.0	0.0	250.00	671.20	674.12	674.12	7.32	1047.45	1099.31	58.45	0.0
* 1142.000	250.00	0.0	0.0	450.00	671.20	674.63	674.63	9.01	1040.59	1100.13	86.54	0.51
* 1142.000	250.00	0.0	0.0	560.00	671.20	674.89	674.89	9.46	1035.96	1101.10	102.56	0.26
* 1142.000	250.00	0.0	0.0	830.00	671.20	675.35	675.35	10.75	1033.03	1102.84	133.81	0.46
* 1242.000	100.00	0.0	0.0	250.00	678.90	683.63	683.63	9.66	1141.50	1150.50	25.88	0.0
* 1242.000	100.00	0.0	0.0	450.00	678.90	684.99	684.99	11.82	1141.50	1150.50	38.08	1.35
* 1242.000	100.00	0.0	0.0	560.00	678.90	685.65	685.65	12.70	1141.50	1150.50	44.08	0.67
* 1242.000	100.00	0.0	0.0	830.00	678.90	687.14	687.14	14.45	1141.50	1150.50	57.42	1.48
* 1243.000	1.00	691.80	684.10	250.00	678.90	692.77	692.77	6.85	1063.62	1224.16	40.97	0.0
* 1243.000	1.00	691.80	684.10	450.00	678.90	693.26	693.26	6.19	1051.90	1236.45	65.71	0.49
* 1243.000	1.00	691.80	684.10	560.00	678.90	693.68	693.68	4.27	1050.43	1246.91	97.58	0.42
* 1243.000	1.00	691.80	684.10	830.00	678.90	693.93	693.93	4.20	1059.56	1253.16	124.54	0.25
1309.000	66.00	691.80	684.10	250.00	678.90	693.64	0.0	2.00	1060.55	1246.08	94.53	0.0
1309.000	66.00	691.80	684.10	450.00	678.90	694.19	0.0	1.87	1058.63	1259.89	158.05	0.55
1309.000	66.00	691.80	684.10	560.00	678.90	694.32	0.0	2.13	1058.19	1263.04	174.29	0.13
1309.000	66.00	691.80	684.10	830.00	678.90	694.75	0.0	2.44	1056.69	1273.87	233.30	0.43
1310.000	1.00	0.0	0.0	250.00	678.90	693.76	0.0	0.19	1060.13	1249.10	1320.35	0.0
1310.000	1.00	0.0	0.0	450.00	678.90	694.34	0.0	0.32	1058.13	1263.51	1434.01	0.58
1310.000	1.00	0.0	0.0	560.00	678.90	694.51	0.0	0.39	1057.55	1267.65	1468.45	0.17
1310.000	1.00	0.0	0.0	830.00	678.90	694.98	0.0	0.55	1055.91	1279.45	1570.77	0.47
1410.000	100.00	0.0	0.0	250.00	678.90	693.76	0.0	0.10	952.47	1215.06	2734.68	0.0
1410.000	100.00	0.0	0.0	450.00	678.90	694.34	0.0	0.17	951.32	1217.36	2887.29	0.58
1410.000	100.00	0.0	0.0	560.00	678.90	694.51	0.0	0.21	950.98	1218.03	2931.61	0.17
1410.000	100.00	0.0	0.0	830.00	678.90	694.98	0.0	0.29	950.04	1219.93	3059.03	0.47

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
* 2144.000	734.00	0.0	0.0	250.00	708.90	712.58	712.58	7.39	1031.88	1099.26	37.20	0.0
* 2144.000	734.00	0.0	0.0	450.00	708.90	713.34	713.34	8.00	1028.83	1100.92	60.40	0.76
* 2144.000	734.00	0.0	0.0	560.00	708.90	713.64	713.64	8.58	1027.66	1102.05	71.18	0.29
* 2144.000	734.00	0.0	0.0	830.00	708.90	714.25	714.25	9.43	1025.21	1104.38	97.04	0.61

SUMMARY OF ERRORS

CAUTION	SECNO= 330.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 330.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 330.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 330.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 892.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 892.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 892.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 892.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 892.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 892.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 892.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 892.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 892.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 892.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 892.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 892.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 1142.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 1142.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 1142.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 1142.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 1142.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 1142.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 1142.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 1142.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 1142.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 1142.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 1142.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 1142.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 1242.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 1242.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 1242.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 1242.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 1242.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 1242.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 1242.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 1242.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 1242.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 1242.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 1242.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 1242.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 1243.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 1243.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 1243.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 1243.000	PROFILE= 2	CRITICAL DEPTH ASSUMED

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		
		10r	2c	0.2c
330.000	0.	-1.0	-0.3	0.6
892.000	562.	-0.8	-0.2	0.5
1142.000	812.	-0.8	-0.3	0.5
1242.000	912.	-2.0	-0.7	1.5
1245.000	913.	-0.9	-0.4	0.2
1309.000	979.	-0.7	-0.1	0.4
1310.000	980.	-0.7	-0.2	0.5
1410.000	1080.	-0.7	-0.2	0.5
2144.000	1814.	-1.1	-0.3	0.6

WEIGHTED AVG FOR REACH		-0.9	-0.2	0.5

FHF FOR THE REACH = 0.10 WITH 94.4% OF THE REACH WITHIN 0.5 FEET
 ZONE FOR THE REACH = A 2

C	67800.000	2650.00	0.0	0.0	18300.00	612.20	631.48	0.0	8.85	1251.13	1712.30	3398.43	0.96
	67800.000	2650.00	0.0	0.0	26300.00	612.20	633.68	0.0	9.90	1175.37	1718.09	4530.18	2.20
D	72450.000	4650.00	0.0	0.0	9500.00	613.40	630.83	0.0	6.09	1029.46	1902.86	2729.25	0.0
	72450.000	4650.00	0.0	0.0	15200.00	613.40	633.23	0.0	6.22	1024.09	1962.71	4893.08	2.40
	72450.000	4650.00	0.0	0.0	18200.00	613.40	634.25	0.0	6.28	1021.82	2052.05	5883.05	1.02
	72450.000	4650.00	0.0	0.0	26200.00	613.40	636.53	0.0	6.44	1016.72	2100.00	8322.60	2.28
E	75500.000	3050.00	0.0	0.0	9500.00	614.30	632.15	0.0	5.52	1454.47	2437.83	2861.38	0.0
	75500.000	3050.00	0.0	0.0	15200.00	614.30	634.35	0.0	5.76	1423.22	2644.48	5277.46	2.20
	75500.000	3050.00	0.0	0.0	18200.00	614.30	635.31	0.0	5.78	1411.83	2722.15	6493.54	0.95
	75500.000	3050.00	0.0	0.0	26200.00	614.30	637.48	0.0	5.81	1382.01	2826.97	9469.21	2.17
FR	78650.000	3150.00	0.0	0.0	9500.00	617.80	633.51	0.0	6.76	1417.34	1787.44	1869.90	0.0
	78650.000	3150.00	0.0	0.0	15200.00	617.80	635.53	0.0	8.29	1409.64	1809.67	2547.34	2.02
	78650.000	3150.00	0.0	0.0	18200.00	617.80	636.37	0.0	8.98	1406.49	1819.28	2982.94	0.84
	78650.000	3150.00	0.0	0.0	26200.00	617.80	638.25	0.0	10.48	1399.29	1841.27	3791.28	1.88
EG	80950.000	2300.00	0.0	0.0	9500.00	619.10	634.98	0.0	8.39	1217.64	1543.84	1355.98	0.0
	80950.000	2300.00	0.0	0.0	15200.00	619.10	637.30	0.0	10.16	1158.17	1561.41	2166.90	2.32
	80950.000	2300.00	0.0	0.0	18200.00	619.10	638.29	0.0	10.75	1094.46	1565.59	2608.59	0.99
	80950.000	2300.00	0.0	0.0	26200.00	619.10	640.50	0.0	11.83	1065.16	1568.85	3686.15	2.21
H	82085.000	1135.00	0.0	0.0	9400.00	618.50	636.12	0.0	8.00	1206.07	1520.04	1589.30	0.0
	82085.000	1135.00	0.0	0.0	15100.00	618.50	638.76	0.0	9.16	1121.87	1534.01	2555.40	2.64
	82085.000	1135.00	0.0	0.0	18100.00	618.50	639.81	0.0	9.66	1098.17	1539.53	3003.75	1.05
	82085.000	1135.00	0.0	0.0	26100.00	618.50	642.03	0.0	10.83	1079.39	1551.12	4015.47	2.22

Abbotts Creek - Let

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
82185.000	100.00	0.0	0.0	9400.00	622.10	636.50	0.0	6.48	1490.94	1738.08	1450.75	0.0
82185.000	100.00	0.0	0.0	15100.00	622.10	639.11	0.0	7.17	1497.25	1742.80	2107.35	2.61
82185.000	100.00	0.0	0.0	18100.00	622.10	640.10	0.0	7.67	1486.02	1744.57	2359.88	0.98
82185.000	100.00	0.0	0.0	26100.00	622.10	642.11	0.0	9.03	1483.48	1748.23	2889.94	2.02
82215.000	30.00	652.10	648.80	9400.00	622.10	636.60	0.0	6.38	1490.42	1738.24	1472.93	0.0
82215.000	30.00	652.10	648.80	15100.00	622.10	639.23	0.0	7.07	1487.10	1743.00	2136.55	2.63
82215.000	30.00	652.10	648.80	18100.00	622.10	640.24	0.0	7.56	1485.85	1744.82	2395.31	1.01
82215.000	30.00	652.10	648.80	26100.00	622.10	642.33	0.0	8.37	1483.23	1748.59	2943.26	2.09
82315.000	100.00	0.0	0.0	9400.00	618.50	636.59	0.0	7.54	1192.84	1522.50	1738.60	0.0
82315.000	100.00	0.0	0.0	15100.00	618.50	639.24	0.0	8.65	1109.59	1536.47	2751.15	2.65
82315.000	100.00	0.0	0.0	18100.00	618.50	639.24	0.0	9.14	1094.22	1541.99	3210.97	1.05

	88200.000	2337.00	0.0	0.0	9300.00	620.30	639.65	0.0	7.50	1149.29	1610.34	2017.60	0.0
M	88200.000	2337.00	0.0	0.0	14900.00	620.30	642.10	0.0	8.14	1120.12	1624.08	3202.61	2.45
	88200.000	2337.00	0.0	0.0	17900.00	620.30	643.18	0.0	8.43	1107.31	1630.11	3756.56	1.08
	88200.000	2337.00	0.0	0.0	25900.00	620.30	645.65	0.0	9.02	1086.23	1643.94	5095.79	2.47
	90350.000	2150.00	0.0	0.0	9300.00	622.00	641.49	0.0	10.00	1353.96	1571.87	1174.66	0.0
N	90350.000	2150.00	0.0	0.0	14900.00	622.00	643.69	0.0	11.85	1313.05	1509.69	1712.82	2.20
	90350.000	2150.00	0.0	0.0	17900.00	622.00	644.64	0.0	12.64	1284.80	1591.91	1985.78	0.95
	90350.000	2150.00	0.0	0.0	25900.00	622.00	646.90	0.0	13.86	1177.41	1597.20	2830.37	2.26
	93100.000	2750.00	0.0	0.0	9300.00	624.30	644.81	0.0	5.26	1165.90	1622.92	2874.23	0.0
C	93100.000	2750.00	0.0	0.0	14900.00	624.30	647.44	0.0	5.88	1137.98	1647.47	4142.64	2.63
	93100.000	2750.00	0.0	0.0	17900.00	624.30	648.58	0.0	6.18	1125.79	1655.41	4738.38	1.14
	93100.000	2750.00	0.0	0.0	25900.00	624.30	651.02	0.0	6.97	1099.79	1670.49	6082.36	2.44

	SEONO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRINS	VCH	SSTA	ENDST	AREA	DIFWSP
	94410.000	1310.00	0.0	0.0	9300.00	625.00	645.14	0.0	5.97	1034.04	1207.44	1731.40	0.0
P	94410.000	1310.00	0.0	0.0	14900.00	625.00	647.63	0.0	7.92	1027.13	1220.28	2187.69	2.49
	94410.000	1310.00	0.0	0.0	17900.00	625.00	648.68	0.0	8.83	1024.21	1225.69	2395.00	1.05
	94410.000	1310.00	0.0	0.0	25900.00	625.00	650.87	0.0	11.07	1018.15	1236.94	2853.65	2.19
	94510.000	100.00	0.0	0.0	9300.00	625.70	645.36	0.0	4.90	1548.18	1763.59	1898.33	0.0
	94510.000	100.00	0.0	0.0	14900.00	625.70	648.08	0.0	5.91	1542.70	1779.53	2521.32	2.72
	94510.000	100.00	0.0	0.0	17900.00	625.70	649.27	0.0	6.38	1540.32	1781.96	2804.72	1.18
	94510.000	100.00	0.0	0.0	25900.00	625.70	651.85	0.0	7.52	1535.12	1787.27	3443.91	2.58
	94543.000	33.00	660.90	657.40	9300.00	625.70	645.39	0.0	4.88	1548.11	1763.90	1905.51	0.0
	94543.000	33.00	660.90	657.40	14900.00	625.70	648.13	0.0	5.88	1542.60	1779.64	2533.12	2.74
	94543.000	33.00	660.90	657.40	17900.00	625.70	649.33	0.0	6.35	1540.20	1782.08	2818.88	1.19
	94543.000	33.00	660.90	657.40	25900.00	625.70	651.94	0.0	7.47	1534.95	1787.40	3465.21	2.61
	94643.000	100.00	0.0	0.0	9300.00	625.00	645.33	0.0	5.88	1033.52	1208.42	1764.48	0.0
	94643.000	100.00	0.0	0.0	14900.00	625.00	647.96	0.0	7.73	1026.22	1221.96	2251.30	2.63
Q	94643.000	100.00	0.0	0.0	17900.00	625.00	649.09	0.0	8.59	1023.08	1227.78	2477.39	1.13
	94643.000	100.00	0.0	0.0	25900.00	625.00	651.53	0.0	10.62	1016.31	1240.36	3000.42	2.44
	97950.000	3307.00	0.0	0.0	9300.00	625.20	646.71	0.0	4.41	1091.07	1772.60	3923.71	0.0
R	97950.000	3307.00	0.0	0.0	14900.00	625.20	649.73	0.0	4.46	1068.74	1917.89	6254.36	3.02
	97950.000	3307.00	0.0	0.0	17900.00	625.20	651.06	0.0	4.51	1058.82	1941.40	7414.73	1.33

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	62400.000	62400.00	0.0	0.0	18400.00	609.00	629.72	0.0	6.23	1163.00	1855.75	4820.93	0.0
	62400.000	62400.00	0.0	0.0	18400.00	609.00	630.72	0.0	6.33	1335.33	1775.12	4246.71	1.00
B	65150.000	2750.00	0.0	0.0	18300.00	615.50	630.84	0.0	4.81	1042.46	1816.24	6249.69	0.0
	65150.000	2750.00	0.0	0.0	18300.00	615.50	631.82	0.0	4.90	1085.87	1688.31	5791.53	0.98
C	67800.000	2650.00	0.0	0.0	18300.00	612.20	631.48	0.0	8.85	1231.11	1712.30	3398.79	0.0
	67800.000	2650.00	0.0	0.0	18300.00	612.20	632.35	0.0	9.08	1420.14	1691.08	2931.06	0.87
D	72450.000	4650.00	0.0	0.0	18200.00	613.40	634.25	0.0	6.28	1021.82	2052.04	5882.80	0.0
	72450.000	4650.00	0.0	0.0	18200.00	613.40	635.14	0.0	6.30	1050.52	1682.43	5153.07	0.89
E	75500.000	3050.00	0.0	0.0	18200.00	614.30	635.31	0.0	5.78	1411.83	2722.16	6493.76	0.0
	75500.000	3050.00	0.0	0.0	18200.00	614.30	636.17	0.0	5.92	1481.45	2177.42	5429.80	0.87
A F	78650.000	3150.00	0.0	0.0	18200.00	617.80	636.37	0.0	8.98	1406.49	1819.28	2982.94	0.0
	78650.000	3150.00	0.0	0.0	18200.00	617.80	637.13	0.0	9.34	1446.76	1696.73	2525.11	0.76
B G	80950.000	2300.00	0.0	0.0	18200.00	619.10	638.29	0.0	10.75	1094.46	1565.59	2608.59	0.0
	80950.000	2300.00	0.0	0.0	18200.00	619.10	639.04	0.0	11.14	1296.87	1527.19	2160.10	0.75
H	82085.000	1135.00	0.0	0.0	18100.00	618.50	639.81	0.0	9.66	1098.17	1539.53	3003.75	0.0
	82085.000	1135.00	0.0	0.0	18100.00	618.50	640.64	0.0	9.97	1278.87	1514.87	2533.12	0.83
	82135.000	100.00	0.0	0.0	18100.00	622.10	640.10	0.0	7.67	1486.02	1744.57	2359.88	0.0
	82135.000	100.00	0.0	0.0	18100.00	622.10	641.31	0.0	6.76	1484.49	1746.77	2677.17	1.21
	82215.000	30.00	652.10	648.30	18100.00	622.10	640.24	0.0	7.56	1485.85	1744.82	2395.31	0.0
	82215.000	30.00	652.10	648.80	18100.00	622.10	641.04	0.0	6.95	1484.84	1746.26	2603.41	0.80
I	82315.000	100.00	0.0	0.0	18100.00	618.50	640.28	0.0	9.14	1094.22	1541.99	3210.97	0.0
	82315.000	100.00	0.0	0.0	18100.00	618.50	641.12	0.0	9.42	1269.63	1516.42	2725.60	0.83
J	84350.000	2035.00	0.0	0.0	18100.00	617.70	641.96	0.0	5.29	1113.86	2068.81	6834.98	0.0
	84350.000	2035.00	0.0	0.0	18100.00	617.70	642.90	0.0	5.38	1238.05	1923.72	6187.22	0.94
K	85640.000	1290.00	0.0	0.0	17900.00	618.40	642.28	0.0	4.91	1147.05	2112.62	7209.36	0.0
					17900.00	618.40	643.21	0.0	5.00	1268.67	1922.26	6503.95	0.93

	SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
	85740.000	100.00	0.0	0.0	17900.00	618.90	641.93	0.0	6.88	2236.54	2460.20	2603.40	0.0
	85740.000	100.00	0.0	0.0	17900.00	618.90	642.95	0.0	6.32	2234.85	2461.91	2833.20	1.02
	85763.000	23.00	651.70	643.70	17900.00	618.90	642.02	0.0	6.83	2236.40	2460.34	2621.91	0.0
	85763.000	23.00	651.70	649.70	17900.00	618.90	642.82	0.0	6.39	2235.08	2461.68	2802.08	0.80
L	85863.000	100.00	0.0	0.0	17900.00	619.40	642.59	0.0	5.41	1151.72	2102.83	6552.22	0.0
	85863.000	100.00	0.0	0.0	17900.00	619.40	643.38	0.0	5.59	1277.25	1902.93	5784.36	0.78
M	88200.000	2337.00	0.0	0.0	17900.00	620.30	643.18	0.0	8.43	1107.31	1630.11	3756.56	0.0
	88200.000	2337.00	0.0	0.0	17900.00	620.30	643.92	0.0	8.78	1149.16	1504.48	3270.54	0.74
N	90350.000	2150.00	0.0	0.0	17900.00	622.00	644.64	0.0	12.64	1284.80	1591.91	1985.78	0.0
	90350.000	2150.00	0.0	0.0	17900.00	622.00	645.23	0.0	13.38	1426.42	1584.05	1619.56	0.59
O	93100.000	2750.00	0.0	0.0	17900.00	624.30	648.58	0.0	6.18	1125.79	1655.41	4738.38	0.0
	93100.000	2750.00	0.0	0.0	17900.00	624.30	649.58	0.0	6.28	1254.57	1627.09	4356.03	1.01
P	94410.000	1310.00	0.0	0.0	17900.00	625.00	648.68	0.0	8.83	1024.21	1225.69	2395.00	0.0
	94410.000	1310.00	0.0	0.0	17900.00	625.00	649.60	0.0	9.03	1064.74	1185.76	2112.18	0.92
	94510.000	100.00	0.0	0.0	17900.00	625.70	649.27	0.0	6.38	1540.32	1781.96	2804.72	0.0
	94510.000	100.00	0.0	0.0	17900.00	625.70	650.44	0.0	5.79	1537.97	1784.36	3090.48	1.17
	94543.000	33.00	660.90	657.40	17900.00	625.70	649.33	0.0	6.35	1540.20	1782.08	2818.88	0.0
	94543.000	33.00	660.90	657.40	17900.00	625.70	650.13	0.0	5.94	1538.60	1783.72	3013.64	0.80
Q	94643.000	100.00	0.0	0.0	17900.00	625.00	649.09	0.0	8.59	1023.08	1227.78	2477.39	0.0
	94643.000	100.00	0.0	0.0	17900.00	625.00	650.03	0.0	8.76	1062.47	1187.84	2202.52	0.94
R	97950.000	3307.00	0.0	0.0	17900.00	625.20	651.06	0.0	4.51	1058.82	1941.40	7414.73	0.0
	97950.000	3307.00	0.0	0.0	17900.00	625.20	652.06	0.0	4.57	1097.90	1648.97	6637.00	1.00
S	101600.000	3650.00	0.0	0.0	16200.00	627.40	651.71	0.0	7.81	1010.94	1313.00	3384.01	0.0
	101600.000	3650.00	0.0	0.0	16200.00	627.40	652.64	0.0	7.97	1020.25	1224.89	3030.74	0.93
T	106200.000	4600.00	0.0	0.0	16200.00	631.60	653.32	0.0	4.49	1038.07	1586.81	6259.82	0.0
	106200.000	4600.00	0.0	0.0	16200.00	631.60	654.28	0.0	4.55	1073.29	1491.49	5877.01	0.96
U	110150.000	3950.00	0.0	0.0	10700.00	638.00	653.66	0.0	1.08	1159.15	3282.77	17957.35	0.0
	110150.000	3950.00	0.0	0.0	10700.00	638.00	654.63	0.0	1.11	1321.08	3014.59	16941.88	0.97
V	110690.000	540.00	0.0	0.0	10700.00	635.80	653.54	0.0	5.46	1057.13	1585.76	3611.46	0.0
	110690.000	540.00	0.0	0.0	10700.00	635.80	654.48	0.0	5.62	1098.11	1408.26	3120.58	0.94
	110890.000	200.00	0.0	0.0	10700.00	637.20	653.68	0.0	3.03	1419.03	2075.90	5004.62	0.0
	110890.000	200.00	0.0	0.0	10700.00	637.20	654.64	0.0	3.12	1640.84	1957.64	3981.31	0.96

GR	510.000	1650.000	125.500	1666.000	625.800	1697.000	626.800	1700.000	642.400	1741.000
QT	5.000	9500.000	15200.000	18200.000	26200.000	18200.000	0.0	0.0	0.0	0.0
X1	72450.000	26.000	1111.000	1200.000	4650.000	4650.000	4650.000	0.0	0.0	0.0
GR	644.000	1000.000	628.800	1034.000	628.000	1050.000	628.100	1100.000	628.200	1111.000
GR	616.600	1122.000	616.400	1130.000	613.600	1140.000	613.400	1150.000	613.700	1160.000
GR	614.600	1180.000	616.200	1188.000	626.800	1200.000	628.300	1300.000	629.400	1400.000
GR	629.100	1500.000	629.000	1600.000	629.900	1700.000	629.300	1800.000	629.300	1840.000
GR	629.500	1850.000	630.700	1900.000	633.000	1950.000	633.900	2000.000	634.200	2050.000
GR	635.300	2100.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	75500.000	48.000	1575.000	1681.000	3050.000	3050.000	3050.000	0.0	0.0	0.0
GR	646.800	1000.000	643.400	1050.000	640.900	1100.000	640.100	1127.000	640.000	1150.000
GR	640.200	1163.000	641.300	1200.000	641.800	1231.000	641.500	1250.000	641.300	1300.000
GR	639.900	1345.000	636.300	1400.000	632.700	1443.000	631.700	1464.000	631.700	1500.000
GR	631.600	1550.000	630.900	1575.000	618.100	1588.000	616.800	1600.000	616.200	1610.000
GR	614.300	1620.000	615.300	1630.000	616.500	1640.000	618.100	1650.000	619.900	1660.000
GR	620.100	1670.000	620.000	1672.000	629.700	1681.000	628.800	1700.000	629.800	1800.000
GR	630.000	1900.000	631.400	2000.000	630.800	2038.000	628.500	2079.000	628.500	2100.000
GR	630.300	2179.000	630.000	2200.000	631.800	2300.000	631.700	2400.000	632.900	2500.000
GR	634.000	2600.000	634.000	2700.000	637.100	2800.000	638.500	2900.000	640.100	3000.000
GR	642.600	3100.000	644.300	3150.000	646.100	3187.000	0.0	0.0	0.0	0.0
X1	78650.000	30.000	1489.000	1593.000	3150.000	3150.000	3150.000	0.0	0.0	0.0
GR	650.300	1000.000	644.800	1050.000	641.400	1100.000	640.900	1110.000	640.600	1150.000
GR	639.900	1200.000	639.800	1230.000	639.500	1300.000	640.100	1350.000	639.900	1393.000
GR	631.500	1425.000	631.200	1450.000	632.900	1489.000	621.000	1515.000	619.500	1525.000
GR	619.900	1535.000	618.200	1545.000	617.800	1555.000	618.000	1565.000	617.900	1575.000
GR	620.200	1584.000	631.000	1593.000	630.500	1650.000	630.800	1700.000	631.200	1763.000
GR	634.700	1800.000	639.000	1850.000	642.600	1900.000	646.000	1950.000	649.200	2000.000
X1	80950.000	27.000	1430.000	1510.000	2300.000	2300.000	2300.000	0.0	0.0	0.0
GR	649.800	1000.000	641.800	1050.000	630.800	1085.000	638.000	1100.000	637.400	1150.000
GR	636.800	1200.000	633.600	1231.000	633.200	1250.000	633.600	1300.000	635.000	1350.000
GR	635.200	1400.000	632.900	1412.000	632.600	1430.000	620.600	1441.000	620.200	1450.000
GR	620.100	1460.000	619.200	1470.000	619.100	1480.000	621.000	1490.000	621.600	1500.000
GR	621.700	1505.000	630.000	1510.000	630.600	1516.000	634.100	1531.000	635.400	1550.000
GR	637.900	1565.000	648.700	1581.000	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	9400.000	15100.000	18100.000	26100.000	18100.000	0.0	0.0	0.0	0.0
X1	82085.000	15.000	1424.000	1502.000	1135.000	1135.000	1135.000	0.0	0.0	0.0
GR	655.200	1000.000	645.500	1050.000	639.600	1100.000	637.700	1150.000	636.400	1200.000
GR	631.800	1300.000	635.000	1392.000	634.400	1424.000	620.900	1440.000	618.500	1470.000
GR	619.700	1480.000	621.100	1489.000	632.700	1502.000	641.800	1550.000	652.100	1600.000

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

Yarborough Drain - Lexington

10 YEAR FLOOD WATER SURF

SUMMARY PRINTOUT

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
0.00												
412.000	412.00	0.0	0.0	346.00	709.10	712.31	0.0	6.49	1165.23	1244.91	69.38	0.0
412.000	412.00	0.0	0.0	627.00	709.10	712.94	0.0	7.35	1143.45	1304.80	163.13	0.63
412.000	412.00	0.0	0.0	773.00	709.10	713.16	0.0	7.65	1135.68	1309.31	200.90	0.23
412.000	412.00	0.0	0.0	1126.00	709.10	715.60	0.0	8.24	1120.80	1317.94	280.87	0.43
* 462.000	50.00	0.0	0.0	346.00	710.70	713.82	713.82	6.94	1168.15	1244.88	82.75	0.0
* 462.000	50.00	0.0	0.0	627.00	710.70	714.47	714.47	7.78	1145.97	1303.34	151.50	0.64
* 462.000	50.00	0.0	0.0	773.00	710.70	714.72	714.72	7.94	1137.38	1308.32	192.37	0.25
* 462.000	50.00	0.0	0.0	1126.00	710.70	715.11	715.11	8.75	1123.90	1316.14	263.35	0.35
* 512.000	50.00	0.0	0.0	346.00	712.20	715.37	715.37	7.47	1429.50	1506.69	67.12	0.0
* 512.000	50.00	0.0	0.0	627.00	712.20	715.88	715.88	7.56	1411.89	1564.65	118.83	0.51
* 512.000	50.00	0.0	0.0	773.00	712.20	716.13	716.13	7.78	1403.30	1569.63	158.56	0.25
* 512.000	50.00	0.0	0.0	1126.00	712.20	716.40	716.40	7.85	1393.91	1575.07	205.86	0.27
564.000	52.00	721.50	716.20	346.00	712.20	715.37	0.0	7.43	1429.37	1506.70	67.40	0.0
564.000	52.00	721.50	716.20	627.00	712.20	722.69	0.0	0.32	1325.98	1715.55	2034.71	7.31
564.000	52.00	721.50	716.20	773.00	712.20	722.87	0.0	0.38	1324.74	1720.60	2106.04	0.18
564.000	52.00	721.50	716.20	1126.00	712.20	723.22	0.0	0.52	1322.31	1730.40	2247.95	0.35
* 614.000	50.00	0.0	0.0	346.00	713.70	716.82	716.82	6.98	1168.37	1244.88	82.27	0.0
* 614.000	50.00	0.0	0.0	627.00	713.70	722.69	0.0	0.76	1072.61	1410.82	1509.46	5.87
* 614.000	50.00	0.0	0.0	773.00	713.70	722.87	0.0	0.90	1071.34	1415.83	1571.04	0.18
* 614.000	50.00	0.0	0.0	1126.00	713.70	723.22	0.0	1.21	1068.87	1425.55	1693.70	0.35
* 664.000	50.00	0.0	0.0	346.00	715.30	718.40	718.40	7.06	1168.89	1244.87	81.11	0.0
* 664.000	50.00	0.0	0.0	627.00	715.30	722.69	0.0	1.18	1083.87	1375.80	1007.23	4.29
* 664.000	50.00	0.0	0.0	773.00	715.30	722.87	0.0	1.38	1082.60	1379.41	1060.48	0.18
* 664.000	50.00	0.0	0.0	1126.00	715.30	723.22	0.0	1.81	1080.13	1386.43	1166.27	0.35
* 2543.000	1879.00	0.0	0.0	88.00	737.00	739.41	739.41	6.16	1100.32	1115.09	14.43	0.0
* 2543.000	1879.00	0.0	0.0	189.00	737.00	740.28	740.28	6.60	1094.66	1139.09	40.15	0.87
* 2543.000	1879.00	0.0	0.0	252.00	737.00	740.59	740.59	7.03	1092.60	1147.42	55.20	0.30
* 2543.000	1879.00	0.0	0.0	419.00	737.00	741.15	741.15	7.99	1088.80	1162.80	91.21	0.56

SUMMARY OF ERRORS

	64727.000	50.00	0.0	0.0	5200.00	683.30	696.04	0.0	1.34	1009.64	1800.00	6511.40	0.63
	* 73475.000	3748.00	0.0	0.0	1590.00	691.10	696.82	696.82	8.38	1000.00	1637.66	470.81	0.0
	* 73475.000	3748.00	0.0	0.0	2600.00	691.10	697.15	697.15	9.58	1000.00	1640.80	643.36	0.33
	* 73475.000	3748.00	0.0	0.0	3400.00	691.10	697.35	697.35	10.37	1000.00	1642.66	754.30	0.20
	* 73475.000	3748.00	0.0	0.0	4900.00	691.10	697.65	697.65	11.52	1000.00	1645.54	933.63	0.30
	75555.000	2080.00	0.0	0.0	1500.00	694.60	702.66	0.0	4.37	1169.89	1442.78	589.24	0.0
	75555.000	2080.00	0.0	0.0	2500.00	694.60	703.69	0.0	5.00	1134.79	1443.99	885.52	1.03
	75555.000	2080.00	0.0	0.0	3300.00	694.60	704.32	0.0	5.38	1112.74	1444.75	1090.54	0.63
	75555.000	2080.00	0.0	0.0	4700.00	694.60	705.25	0.0	5.67	1092.22	1445.85	1408.67	0.93
	75630.000	75.00	0.0	0.0	1500.00	695.90	702.62	0.0	5.59	1525.98	1587.18	268.11	0.0
	75630.000	75.00	0.0	0.0	2500.00	695.90	703.36	0.0	7.91	1524.30	1590.20	316.04	0.75
	75630.000	75.00	0.0	0.0	3300.00	695.90	703.67	0.0	9.80	1523.59	1590.63	336.90	0.31
	* 75630.000	75.00	0.0	0.0	4700.00	695.90	704.00	704.00	13.10	1522.86	1591.07	358.64	0.33
	75721.000	91.00	710.70	708.80	1500.00	695.90	702.64	0.0	5.57	1525.94	1589.20	269.07	0.0
	75721.000	91.00	710.70	708.80	2500.00	695.90	703.42	0.0	7.81	1524.16	1590.28	320.04	0.79
	75721.000	91.00	710.70	708.80	3300.00	695.90	703.80	0.0	9.56	1523.30	1590.80	345.31	0.38
	75721.000	91.00	710.70	708.80	4700.00	695.90	704.38	0.0	12.22	1522.00	1591.59	384.75	0.58
	* 75.746	25.00	0.0	0.0	1500.00	696.90	703.26	703.26	8.99	1291.47	1440.74	187.16	0.0
	* 75.746	25.00	0.0	0.0	2500.00	696.90	704.47	704.47	9.57	1262.61	1442.18	386.46	1.21
	* 75.746	25.00	0.0	0.0	3300.00	696.90	704.99	704.99	10.55	1250.32	1442.79	482.42	0.52
	* 75.746	25.00	0.0	0.0	4700.00	696.90	705.75	705.75	11.76	1232.05	1443.71	637.47	0.77
	* 75.771	25.00	0.0	0.0	1500.00	697.20	703.55	703.55	9.00	1291.57	1440.73	186.50	0.0
	* 75.771	25.00	0.0	0.0	2500.00	697.20	704.75	704.75	9.63	1263.03	1442.16	383.26	1.20
	* 75.771	25.00	0.0	0.0	3300.00	697.20	705.33	705.33	10.38	1249.21	1442.85	491.43	0.58
	* 75.771	25.00	0.0	0.0	4700.00	697.20	706.11	706.11	11.57	1230.72	1443.77	649.40	0.78
	* 75796.000	25.00	0.0	0.0	1500.00	697.50	703.85	703.85	9.01	1291.65	1440.73	186.03	0.0
	* 75796.000	25.00	0.0	0.0	2500.00	697.50	705.06	705.06	9.60	1262.84	1442.17	384.71	1.21
	* 75796.000	25.00	0.0	0.0	3300.00	697.50	705.61	705.61	10.45	1249.69	1442.82	487.55	0.55
	* 75796.000	25.00	0.0	0.0	4700.00	697.50	706.39	706.39	11.65	1231.28	1443.75	644.36	0.77
	77800.000	2004.00	0.0	0.0	1130.00	704.80	709.81	0.0	3.24	1053.01	1419.71	713.21	0.0
	77800.000	2004.00	0.0	0.0	1900.00	704.80	710.66	0.0	3.65	1034.89	1440.49	1042.15	0.85
	77800.000	2004.00	0.0	0.0	2550.00	704.80	711.28	0.0	3.88	1021.71	1455.59	1302.12	0.62
	77800.000	2004.00	0.0	0.0	3650.00	704.80	712.18	0.0	4.18	1002.43	1477.69	1713.96	0.90
	79.400	1600.00	0.0	0.0	1130.00	707.80	712.10	0.0	5.05	1068.27	1402.22	462.01	0.0
	79.400	1600.00	0.0	0.0	1900.00	707.80	712.84	0.0	5.37	1052.41	1420.40	723.62	0.74
	79.400	1600.00	0.0	0.0	2550.00	707.80	713.35	0.0	5.59	1041.39	1433.03	920.37	0.52
	79.400	1600.00	0.0	0.0	3650.00	707.80	714.11	0.0	5.89	1025.21	1451.58	1231.32	0.76

Let's copy the ... and ...

81630

SEC70	VLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
81000.000	1600.00	0.0	0.0	990.00	710.70	717.51	0.0	7.19	1133.02	1280.48	240.55	0.0
81000.000	1600.00	0.0	0.0	1600.00	710.70	718.13	717.93	8.73	1112.50	1285.40	339.14	0.62
81000.000	1600.00	0.0	0.0	2200.00	710.70	718.58	718.49	9.74	1106.22	1289.02	419.99	0.45
81000.000	1600.00	0.0	0.0	3170.00	710.70	719.15	718.97	11.09	1100.54	1292.39	526.49	0.57

83470

82840.000	1840.00	0.0	0.0	920.00	715.50	724.40	0.0	5.66	1073.07	1311.77	303.96	0.0
82840.000	1840.00	0.0	0.0	1500.00	715.50	725.27	0.0	5.73	1068.45	1328.74	519.74	0.87
82840.000	1840.00	0.0	0.0	2100.00	715.50	725.91	0.0	5.98	1064.99	1341.47	694.04	0.64
82840.000	1840.00	0.0	0.0	2900.00	715.50	726.70	0.0	6.14	1060.80	1356.88	918.97	0.79

83700

83140.000	300.00	0.0	0.0	920.00	717.70	725.18	0.0	5.37	1400.00	1427.00	171.35	0.0
83140.000	300.00	0.0	0.0	1500.00	717.70	725.83	0.0	7.93	1400.00	1427.00	189.05	0.25
83140.000	300.00	0.0	0.0	2100.00	717.70	726.09	0.0	10.71	1400.00	1427.00	195.99	0.26
83140.000	300.00	0.0	0.0	2900.00	717.70	725.92	725.92	15.15	1400.00	1427.00	191.43	-0.17

83710

83161.000	21.00	729.90	728.10	920.00	717.70	725.18	0.0	5.37	1400.00	1427.00	171.37	0.0
83161.000	21.00	729.90	728.10	1500.00	717.70	725.83	0.0	7.94	1400.00	1427.00	188.95	0.65
83161.000	21.00	729.90	728.10	2100.00	717.70	726.09	0.0	10.71	1400.00	1427.00	196.03	0.26
83161.000	21.00	729.90	728.10	2900.00	717.70	725.93	0.0	15.13	1400.00	1427.00	191.72	-0.16

84090

83461.000	300.00	0.0	0.0	920.00	719.90	727.01	727.01	11.93	1251.35	1270.81	77.15	0.0
83461.000	300.00	0.0	0.0	1500.00	719.90	728.97	728.97	8.35	1072.18	1315.04	343.91	1.96
83461.000	300.00	0.0	0.0	2100.00	719.90	729.49	0.0	8.79	1069.40	1325.23	473.54	0.52
83461.000	300.00	0.0	0.0	2900.00	719.90	731.00	0.0	6.36	1061.32	1354.95	890.03	1.51

86130

85375.000	1914.00	0.0	0.0	750.00	727.80	733.44	0.0	2.41	1043.55	1306.36	585.05	0.0
85375.000	1914.00	0.0	0.0	1220.00	727.80	733.89	0.0	3.15	1035.43	1311.64	707.02	0.45
85375.000	1914.00	0.0	0.0	1650.00	727.80	734.43	0.0	3.40	1029.33	1317.95	860.42	0.54
85375.000	1914.00	0.0	0.0	2500.00	727.80	734.81	0.0	4.48	1028.30	1322.25	967.69	0.38

87980

87225.000	1850.00	0.0	0.0	520.00	735.10	740.47	740.47	7.32	1071.79	1256.26	156.55	0.0
87225.000	1850.00	0.0	0.0	850.00	735.10	740.90	740.83	8.44	1064.02	1293.24	221.94	0.32
87225.000	1850.00	0.0	0.0	1190.00	735.10	741.07	741.07	9.13	1057.54	1303.24	284.96	0.27
87225.000	1850.00	0.0	0.0	1700.00	735.10	741.36	741.36	10.11	1051.71	1316.93	359.37	0.29

90845

90090.000	2865.00	0.0	0.0	480.00	752.70	754.84	0.0	2.35	1000.00	1336.52	315.45	0.0
90090.000	2865.00	0.0	0.0	790.00	752.70	755.23	0.0	2.46	1000.00	1336.99	444.81	0.39
90090.000	2865.00	0.0	0.0	1090.00	752.70	755.56	0.0	2.75	1000.00	1337.37	553.70	0.33
90090.000	2865.00	0.0	0.0	1590.00	752.70	756.00	0.0	3.13	1000.00	1383.27	709.86	0.44

90845

90140.000	50.00	0.0	0.0	480.00	753.30	754.94	0.0	3.47	1108.98	1415.76	161.68	0.0
90140.000	50.00	0.0	0.0	790.00	753.30	755.30	0.0	3.17	1076.46	1415.90	268.09	0.36

83191 RDNQ NCS# 1457 MXLCEL 728.1 RDELV 730.1

X1	83191.000	0.0	0.0	0.0	21.000	21.000	21.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	728.100	729.900	0.0	0.0	0.0	0.0	0.0
BT	10.000	1000.000	740.900	0.0	1100.000	735.700	0.0	1200.000	732.000	0.0
RT	1300.800	730.100	0.0	1400.000	729.900	727.700	1427.000	730.100	728.100	1500.000
BT	730.800	0.0	1600.000	733.300	0.0	1700.000	737.100	0.0	1800.000	740.300
BT	0.0	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

84091

X1	83461.000	12.000	1250.000	1273.000	300.000	300.000	300.000	0.0	4.400	0.0
GR	733.100	1000.000	723.100	1000.000	723.100	1100.000	723.500	1200.000	723.800	1250.000
GR	717.600	1257.000	715.500	1261.000	717.600	1265.000	724.500	1273.000	723.800	1300.000
GR	725.900	1400.000	738.300	1450.000	0.0	0.0	0.0	0.0	0.0	0.0
BT	5.000	750.000	1220.000	1650.000	2500.000	1650.000	0.0	0.0	0.0	0.0

86130

X1	85375.000	11.000	1116.000	1125.000	1914.000	1914.000	1914.000	0.0	0.0	0.0
GR	744.900	1000.000	734.200	1030.000	730.300	1100.000	731.200	1116.000	727.800	1117.000
GR	727.800	1119.000	728.300	1122.000	731.300	1125.000	730.000	1200.000	732.900	1300.000
GR	738.500	1370.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BT	5.000	520.000	850.000	1190.000	1700.000	1190.000	0.0	0.0	0.0	0.0

87920

X1	87225.000	13.000	1216.000	1225.000	1850.000	1850.000	1850.000	0.0	0.0	0.0
GR	752.100	1000.000	741.300	1052.000	739.300	1100.000	739.800	1200.000	739.700	1216.000
GR	736.500	1210.000	735.100	1220.000	736.500	1222.000	740.100	1225.000	741.000	1300.000
GR	742.700	1320.000	746.800	1400.000	752.100	1415.000	0.0	0.0	0.0	0.0
BT	5.000	480.000	750.000	1090.000	1580.000	1090.000	0.0	0.0	0.0	0.0

90845

X1	90090.000	12.000	1314.000	1338.000	2865.000	2865.000	2865.000	0.0	0.0	0.0
GR	754.600	1000.000	753.000	1100.000	753.200	1200.000	754.600	1300.000	755.300	1314.000
GR	755.900	1326.000	752.700	1330.000	752.700	1334.000	756.100	1336.000	756.600	1382.000
GR	761.300	1400.000	756.900	1435.000	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

90895

X1	90140.000	24.000	1320.500	1416.500	50.000	50.000	50.000	0.0	0.0	0.0
GR	777.300	1000.000	755.200	1077.000	754.400	1177.000	753.800	1277.000	755.200	1377.000
GR	755.900	1391.000	756.600	1396.500	754.300	1397.500	753.300	1400.000	754.300	1402.700
GR	756.800	1403.000	756.800	1406.500	756.800	1409.500	754.300	1410.500	753.300	1413.000
GR	754.300	1415.000	756.800	1416.500	756.200	1459.000	761.900	1477.000	764.700	1495.000
GR	754.800	1500.000	766.700	1600.000	769.700	1700.000	771.900	1773.000	0.0	0.0
SB	0.900	1.500	2.500	0.0	14.000	0.010	77.000	0.0	0.0	0.0

90930

90966

RDNQ NCS# 1460 MXLCEL 760.3 RDELV 763.9

	763.91									
XJ	75.745	13.000	1400.000	1449.000	25.000	25.000	25.000	0.0	0.0	0.0
GR	714.100	1000.000	707.000	1100.000	707.100	1200.000	702.900	1300.000	703.200	1400.000
GR	697.500	1419.000	696.900	1426.000	697.600	1434.000	710.200	1449.000	710.500	1500.000
GR	711.300	1600.000	713.000	1700.000	714.600	1800.000	0.0	0.0	0.0	0.0

X1	764.16	0.0	0.0	0.0	25.000	25.000	25.000	0.0	0.300	0.0
	75.771									

X1	76441	0.0	0.0	0.0	25.000	25.000	25.000	0.0	0.300	0.0
QT	75796.000	1130.000	1900.000	2550.000	3650.000	2550.000	0.0	0.0	0.0	0.0
	5.000									

X1	78430	15.000	1324.000	1350.000	2004.000	2004.000	2004.000	0.0	0.0	0.0
GR	712.300	1000.000	707.600	1100.000	707.600	1200.000	708.200	1300.000	707.700	1324.000
GR	705.700	1330.000	704.000	1339.000	705.700	1349.000	707.000	1350.000	706.000	1368.000
GR	709.000	1370.000	709.000	1400.000	713.100	1500.000	718.000	1600.000	721.300	1685.000

X1	80030	0.0	0.0	0.0	1600.000	1600.000	1600.000	0.0	3.000	0.0
QT	79.400	990.000	1600.000	2200.000	3170.000	2200.000	0.0	0.0	0.0	0.0
	5.000									

X1	81630	13.000	1260.000	1270.000	1600.000	1600.000	1600.000	0.0	0.0	0.0
GR	731.100	1000.000	719.200	1100.000	718.200	1110.000	715.500	1200.000	717.000	1260.000
GR	711.000	1262.000	710.700	1267.000	711.000	1273.000	717.200	1276.000	718.700	1290.000
GR	721.500	1305.000	727.400	1400.000	730.200	1500.000	0.0	0.0	0.0	0.0
QT	5.000	920.000	1500.000	2100.000	2900.000	2100.000	0.0	0.0	0.0	0.0

X1	83470	12.000	1250.000	1273.000	1840.000	1840.000	1840.000	0.0	0.0	0.0
GR	734.100	1000.000	723.100	1080.000	723.100	1100.000	723.500	1200.000	723.800	1250.000
GR	717.600	1257.000	715.500	1261.000	717.600	1265.000	724.500	1273.000	723.800	1300.000
GR	724.900	1400.000	738.100	2450.000	0.0	0.0	0.0	0.0	0.0	0.0
QC	0.000	0.000	0.000	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	83770	17.000	1400.000	1427.000	300.000	300.000	300.000	0.0	0.0	0.0
GR	740.900	1000.000	735.700	1100.000	732.000	1200.000	730.100	1300.000	729.900	1400.000
GR	713.800	1400.000	719.300	1403.000	717.800	1405.000	718.100	1414.000	717.700	1420.000
GR	720.600	1422.000	721.600	1427.000	730.100	1427.000	730.800	1500.000	733.300	1600.000
GR	737.100	1700.000	740.300	1800.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	27.000	0.010	244.000	0.0	0.0	0.0

X1	83780	0.0	0.0	0.0	21.000	21.000	21.000	0.0	0.0	0.0
	83791									

PDND NCSY 1457 MXLCEL 728.1 RDELV 730.1