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

T1 REIDSVILLE NC FPM BR
 T2 L TROUBLESOME CR TRIB
 T3 0.7 FOOT FLOODWAY

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	O	WSEL	FG
	-10.	6.	0.	0.	0.000000	0.00	0.0	0.	744.720	0.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLOC	IBW	CKNIM	ITRACE
	15.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	15.000

*PROF 2

CCHV= .200 CEHV= .400
 *SECNO 100.000

SECNO	DEPTH	CWSEL	CRINS	WSELK	EG	HV	HL	GLOSS	BANK	FLEV
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	ITRIA	IDC	ICONT	CORAR	TOPWID	ENDST	

3470 ENCROACHMENT STATIONS=	1550.0	1650.0	TYPE=	1	TARGET=	100.000				
100.00	7.02	744.72	0.00	744.02	745.27	.55	0.00	0.00	740.60	
1150.	193.	635.	322.	85.	83.	121.	0.	0.	739.90	
0.00	2.28	7.66	2.67	.120	.065	.120	0.000	737.70	1550.00	
.011394	100.	100.	100.	0	0	0	0.00	100.00	1650.00	

FLOW DISTRIBUTION FOR SECNO= 100.00 CWSEL= 744.72

STA=	1550.	1579.	1586.	1589.	1595.	1608.	1617.	1650.
PER Q=	4.9	2.3	2.2	7.5	55.2	10.6	17.4	
AREA=	36.9	13.1	9.8	25.0	82.9	36.6	84.0	
VEL=	1.5	2.0	2.6	3.4	7.7	3.3	2.4	

*SECNO 300.000

3470 ENCROACHMENT STATIONS=	1540.0	1640.0	TYPE=	1	TARGET=	100.000				
300.00	8.05	746.15	0.00	745.93	746.31	.16	.97	.08	739.80	
1150.	301.	577.	272.	198.	137.	154.	2.	0.	739.70	
.02	1.52	4.21	1.77	.120	.065	.120	.065	738.10	1540.00	
.002667	200.	200.	200.	3	0	0	0.00	100.00	1640.00	

FLOW DISTRIBUTION FOR SECNO= 300.00 CWSEL= 746.15

STA=	1540.	1579.	1593.	1610.	1617.	1640.
PER Q=	14.9	11.3	50.2	7.7	15.9	
AREA=	127.8	70.1	136.9	42.0	111.7	
VEL=	1.3	1.8	4.2	2.1	1.6	

 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

100 YR NATURAL FLOOD

SUMMARY PRINTOUT

SECTNO	CWSEL	EG	ELLC	ELMIN	10K+S	Q
* 100.000	744.02	744.98	0.00	737.70	214.10	1150.00
100.000	744.72	745.27	0.00	737.70	113.94	1150.00
300.000	745.93	746.02	0.00	738.10	17.91	1150.00
300.000	746.15	746.31	0.00	738.10	26.67	1150.00
350.000	745.99	746.11	742.20	738.10	23.93	1150.00
350.000	746.12	746.32	742.20	738.10	31.52	1150.00
365.000	745.98	746.19	0.00	738.30	35.48	1150.00
365.000	746.10	746.42	0.00	738.30	45.60	1150.00
400.000	746.09	746.34	0.00	738.60	42.06	1150.00
400.000	746.25	746.60	0.00	738.60	50.69	1150.00
450.000	746.27	746.66	0.00	739.30	66.17	1150.00
450.000	746.48	746.94	0.00	739.30	69.99	1150.00
600.000	747.38	748.43	0.00	739.50	170.30	1150.00
600.000	747.67	748.60	0.00	739.50	146.32	1150.00
895.000	749.98	750.13	0.00	739.80	23.55	1080.00
895.000	750.25	750.48	0.00	739.80	30.71	1080.00
950.000	750.00	750.42	0.00	741.10	50.27	1080.00
950.000	750.32	750.78	0.00	741.10	48.88	1080.00
1025.000	750.47	750.76	0.00	741.10	35.71	1080.00
1025.000	750.74	751.13	0.00	741.10	39.99	1080.00
* 1033.000	750.98	751.88	744.90	740.90	52.10	1080.00
* 1033.000	751.15	752.49	744.90	740.90	62.09	1080.00
1087.000	751.76	752.15	745.80	741.80	20.38	1080.00
1087.000	752.61	752.88	745.80	741.80	19.19	1080.00
1088.000	752.16	752.22	0.00	742.00	9.79	1080.00
1088.000	752.67	752.92	0.00	742.00	16.55	1080.00

SECNO	CHSEL	EG	ELLC	ELMIN	10K>S	Q
1098.000	752.17	752.23	0.00	742.00	9.69	1080.00
21 APR 11.12	11.12					
1098.000	752.89	752.94	0.00	742.00	16.37	1060.00
1440.000	752.69	753.01	0.00	744.70	67.80	1020.00
1440.000	752.62	753.88	0.00	744.70	44.96	1020.00
1444.000	752.92	753.08	0.00	744.10	76.64	1020.00
1444.000	753.77	753.92	0.00	744.10	58.19	1020.00
* 1517.000	753.71	753.79	747.70	744.20	37.86	1020.00
* 1517.000	754.01	754.15	747.70	744.20	50.55	1020.00
1528.000	753.76	753.83	0.00	744.20	36.17	1020.00
1528.000	754.07	754.20	0.00	744.20	48.80	1020.00
1600.000	753.90	754.18	0.00	745.50	36.59	1020.00
1600.000	754.28	754.51	0.00	745.50	29.37	1020.00
1700.000	754.72	754.52	0.00	746.50	27.90	746.00
1700.000	754.60	754.80	0.00	746.50	24.74	746.00
1850.000	754.81	755.29	0.00	748.50	79.04	746.00
1850.000	755.04	755.47	0.00	748.50	68.15	746.00
1930.000	755.66	756.06	0.00	749.00	72.44	746.00
1950.000	755.78	756.14	0.00	749.00	64.24	746.00
* 2040.000	756.65	757.08	0.00	749.50	191.90	746.00
* 2040.000	756.69	757.09	0.00	749.50	177.80	746.00
2061.000	759.17	759.22	756.60	749.50	19.94	746.00
2061.000	759.14	759.23	756.60	749.50	29.34	746.00
2066.000	759.18	759.23	0.00	749.50	19.76	746.00
2066.000	759.15	759.24	0.00	749.50	29.09	746.00
* 2067.000	759.33	760.08	0.00	752.70	40.97	746.00
* 2067.000	759.29	760.65	0.00	752.70	61.50	746.00
2068.000	760.14	760.22	0.00	753.50	18.27	746.00
2068.000	760.81	760.91	0.00	753.50	17.11	746.00
2078.000	760.16	760.24	0.00	753.50	17.74	746.00
2078.000	760.73	760.92	0.00	753.50	16.90	746.00
2100.000	760.15	760.35	0.00	754.50	50.79	746.00
2100.000	760.77	761.06	0.00	754.50	51.69	746.00
* 2150.000	760.42	761.26	0.00	756.00	225.19	746.00
* 2150.000	760.91	761.69	0.00	756.00	172.52	746.00
2200.000	761.72	762.10	0.00	756.00	108.31	746.00
2200.000	761.99	762.43	0.00	756.00	105.59	746.00
2350.000	763.39	763.78	0.00	758.00	115.43	650.00
2350.000	763.62	764.03	0.00	758.00	108.50	650.00

SECNO	CWSEL	EG	ELLC	ELMIN	10K+S	Q
2450.000	764.75	765.40	0.00	758.50	208.25	650.00
2450.000	764.90	765.55	0.00	758.50	193.71	650.00
2500.000	765.84	766.20	0.00	759.00	111.65	650.00
2500.000	765.91	766.35	0.00	759.00	123.60	650.00
* 2552.000	768.17	768.20	0.00	759.40	17.03	650.00
* 2552.000	768.15	768.23	0.00	759.40	30.79	650.00
* 2553.000	769.71	770.37	763.40	759.40	155.67	650.00
* 2553.000	770.08	771.10	763.40	759.40	177.93	650.00
2639.000	770.21	770.59	0.00	759.40	7.88	650.00
2639.000	770.82	771.38	0.00	759.40	9.14	650.00
2640.000	770.55	770.65	0.00	759.40	25.90	650.00
2640.000	771.35	771.46	0.00	759.40	26.10	650.00
2680.000	770.70	770.74	0.00	761.00	19.17	650.00
2680.000	771.51	771.56	0.00	761.00	17.02	650.00
2740.000	770.78	771.02	0.00	764.00	69.67	650.00
2740.000	771.56	771.81	0.00	764.00	56.33	650.00

100 YR NATURAL FLOOD

SUMMARY PRINTOUT

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
* 100.000	744.02	1507.47	1595.00	1608.00	1672.85	165.30
100.000	744.72	1550.00	1595.00	1608.00	1650.00	100.00
300.000	745.93	1418.83	1593.00	1610.00	1712.54	293.71
300.000	746.15	1540.00	1593.00	1610.00	1640.00	100.00
350.000	745.99	1450.41	1593.00	1610.00	1702.20	251.79
350.000	746.12	1540.00	1593.00	1610.00	1640.00	100.00
365.000	745.98	1471.64	1592.00	1610.00	1692.77	221.13
365.000	746.10	1530.00	1592.00	1610.00	1630.00	100.00
400.000	746.09	1479.81	1592.00	1610.00	1689.39	209.58
400.000	746.25	1530.00	1592.00	1610.00	1630.00	100.00
450.000	745.27	1500.92	1592.00	1610.00	1680.67	179.75
450.000	746.48	1530.00	1592.00	1610.00	1630.00	100.00
600.000	747.38	1277.69	1275.00	1300.00	1311.42	33.73
600.000	747.67	1277.22	1275.00	1300.00	1311.94	34.73
895.000	749.98	1206.93	1275.00	1300.00	1536.85	329.93
895.000	750.25	1270.00	1275.00	1300.00	1370.00	100.00
950.000	750.00	1475.87	1484.00	1503.00	1699.97	224.10
950.000	750.32	1480.00	1484.00	1503.00	1580.00	100.00
1025.000	750.47	1475.05	1487.00	1502.00	1703.08	228.03
1025.000	750.74	1480.00	1487.00	1502.00	1590.00	110.00
* 1033.000	750.98	1406.34	1488.50	1499.50	1706.37	300.03
* 1033.000	751.16	1480.00	1488.50	1499.50	1610.00	130.00
1087.000	751.76	1391.44	1488.50	1499.50	1711.49	320.05
1087.000	752.61	1490.00	1488.50	1499.50	1640.00	150.00
1088.000	752.16	1405.58	1475.00	1500.00	1714.13	308.54
1088.000	752.87	1490.00	1475.00	1500.00	1640.00	150.00
1098.000	752.17	1405.05	1475.00	1500.00	1714.21	309.16
1098.000	752.89	1490.00	1475.00	1500.00	1640.00	150.00
1440.000	752.69	1143.44	1193.00	1204.00	1304.13	160.69
1440.000	753.62	1180.00	1193.00	1204.00	1260.00	80.00
1444.000	752.92	1140.16	1195.00	1205.00	1306.53	166.37
1444.000	753.77	1180.00	1195.00	1205.00	1260.00	80.00
* 1517.000	753.71	1128.70	1195.00	1205.00	1314.88	186.18
* 1517.000	754.01	1180.00	1195.00	1205.00	1260.00	80.00
1528.000	753.76	1127.92	1195.00	1205.00	1315.44	187.53
1528.000	754.07	1180.00	1195.00	1205.00	1260.00	80.00

SECNO	CHSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
1600.000	753.90	1156.62	1198.00	1213.00	1247.92	91.30
1600.000	754.28	1160.00	1198.00	1213.00	1240.00	80.00
1700.000	754.32	1161.14	1198.00	1213.00	1244.21	83.07
1700.000	754.60	1170.00	1198.00	1213.00	1230.00	60.00
1850.000	754.81	1172.92	1198.00	1213.00	1234.53	61.61
1850.000	755.04	1180.00	1198.00	1213.00	1230.00	50.00
1950.000	755.66	1404.54	1445.00	1465.00	1490.62	86.08
1950.000	755.78	1410.00	1445.00	1465.00	1480.00	70.00
* 2040.000	756.65	1418.28	1452.00	1458.00	1498.54	80.26
* 2040.000	756.69	1417.97	1452.00	1458.00	1490.00	72.02
2061.000	759.17	1386.39	1452.00	1458.00	1584.72	198.34
2061.000	759.14	1430.00	1452.00	1458.00	1500.00	70.00
2066.000	759.18	1385.87	1452.00	1458.00	1585.10	199.23
2066.000	759.15	1430.00	1452.00	1458.00	1500.00	70.00
* 2067.000	759.33	1378.45	1452.00	1458.00	1590.39	211.94
* 2067.000	759.29	1440.00	1452.00	1458.00	1510.00	70.00
2068.000	760.14	1332.13	1446.00	1464.00	1567.28	235.15
2068.000	760.81	1420.00	1446.00	1464.00	1510.00	90.00
2078.000	760.16	1330.99	1446.00	1464.00	1567.99	236.99
2078.000	760.83	1420.00	1446.00	1464.00	1510.00	90.00
2100.000	760.15	1369.24	1446.00	1464.00	1548.66	178.82
2100.000	760.77	1440.00	1446.00	1464.00	1500.00	60.00
* 2150.000	760.42	1415.11	1446.00	1464.00	1525.07	109.96
2150.000	760.91	1440.00	1446.00	1464.00	1490.00	50.00
2200.000	761.72	1163.92	1200.00	1212.00	1256.03	92.11
2200.000	761.99	1190.00	1200.00	1212.00	1240.00	50.00
2350.000	763.39	1167.89	1200.00	1212.00	1253.67	85.78
2350.000	763.60	1190.00	1200.00	1212.00	1240.00	50.00
2450.000	764.75	1174.59	1201.00	1211.00	1252.49	77.90
2450.000	764.90	1190.00	1201.00	1211.00	1240.00	50.00
2500.000	765.84	1167.62	1201.00	1211.00	1258.47	90.85
2500.000	765.91	1190.00	1201.00	1211.00	1240.00	50.00
* 2552.000	768.17	1135.38	1204.00	1208.00	1304.13	168.75
* 2552.000	768.15	1180.00	1204.00	1208.00	1250.00	70.00
* 2553.000	769.71	1118.44	1204.00	1208.00	1342.85	224.42
* 2553.000	770.00	1200.00	1204.00	1208.00	1270.00	70.00
2639.000	770.21	1167.24	1204.00	1208.00	1335.42	168.18
2639.000	770.82	1200.00	1204.00	1208.00	1280.00	80.00

SECNO	CWS:L	SSTA	STCHL	STCHR	ENDST	TOPWID.
2640.000	770.55	1175.84	1204.00	1208.00	1309.31	133.46
2640.000	771.35	1200.00	1204.00	1208.00	1260.00	60.00
2680.000	770.70	1181.14	1200.00	1000.00	1295.24	114.10
2680.000	771.51	1200.00	1200.00	1000.00	1250.00	50.00
2740.000	770.78	1043.62	1105.00	1114.00	1148.91	105.29
2740.000	771.56	1080.00	1105.00	1114.00	1130.00	50.00

SUMMARY OF ERRORS

- CAUTION SECNO= 100.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 1033.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 1033.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 1033.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
- CAUTION SECNO= 1033.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 1033.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 1033.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
- CAUTION SECNO= 1517.000 PROFILE= 1 HYDRAULIC JUMP D.S.
- CAUTION SECNO= 1517.000 PROFILE= 2 HYDRAULIC JUMP D.S.
- CAUTION SECNO= 2040.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 2040.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 2040.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
- CAUTION SECNO= 2040.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 2040.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 2040.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
- CAUTION SECNO= 2067.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 2067.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 2067.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
- CAUTION SECNO= 2067.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 2067.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 2067.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
- CAUTION SECNO= 2150.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 2150.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 2552.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 2552.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 2552.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
- CAUTION SECNO= 2552.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 2552.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 2552.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
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- CAUTION SECNO= 2553.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 2553.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

FLOODWAY DATA, 100 YR NATURAL FLOOD
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	
100.000	100.	288.	4.0	744.7	744.0	.7
300.000	100.	489.	2.4	746.1	745.9	.2
350.000	100.	449.	2.6	746.1	746.0	.1
365.000	100.	372.	3.1	746.1	746.0	.1
400.000	100.	356.	3.2	746.3	746.1	.2
450.000	100.	310.	3.7	746.5	746.3	.2
600.000	35.	166.	6.9	747.7	747.4	.3
895.000	100.	378.	2.9	750.3	750.0	.3
950.000	100.	293.	3.7	750.3	750.0	.3
1025.000	110.	355.	3.0	750.8	750.5	.3
1033.000	130.	337.	3.2	751.2	751.0	.2
1087.000	150.	597.	1.8	752.6	751.8	.8
1088.000	150.	704.	1.5	752.9	752.2	.7
1098.000	150.	707.	1.5	752.9	752.2	.7
1440.000	80.	347.	2.9	753.6	752.7	.9
1444.000	80.	361.	2.8	753.8	752.9	.9
1517.000	80.	381.	2.7	754.0	753.7	.3
1528.000	80.	385.	2.6	754.1	753.8	.3
1600.000	80.	365.	2.8	754.3	753.9	.4
1700.000	60.	286.	2.6	754.6	754.3	.3
1850.000	50.	187.	4.0	755.0	754.8	.2
1950.000	70.	211.	3.5	755.8	755.7	.1
2040.000	72.	196.	3.8	756.7	756.7	0.0
2061.000	70.	363.	2.1	759.2	759.2	0.0
2066.000	70.	364.	2.1	759.2	759.2	0.0
2067.000	70.	201.	3.7	759.3	759.3	0.0
2068.000	90.	409.	1.8	760.8	760.1	.7
2078.000	90.	411.	1.8	760.9	760.2	.7
2100.000	60.	232.	3.2	760.7	760.1	.6
2150.000	50.	135.	5.5	760.9	760.4	.5
2200.000	50.	186.	4.0	762.0	761.7	.3
2350.000	50.	167.	3.9	763.6	763.4	.2
2450.000	50.	137.	4.7	764.9	764.7	.2
2500.000	50.	163.	4.0	765.9	765.8	.1
2552.000	70.	328.	2.0	768.2	768.2	0.0
2553.000	70.	170.	3.8	770.1	769.7	.4
2639.000	80.	374.	1.7	770.8	770.2	.6
2640.000	60.	324.	2.0	771.4	770.6	.8
2680.000	50.	354.	1.8	771.5	770.7	.8
2740.000	50.	216.	3.0	771.6	770.8	.8

AREA= 47.7 13.0 46.6 9.2 38.2
 VEL= .8 1.6 3.9 1.8 1.1

THIS RUN EXECUTED 14 APR 77 08.55

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

T1 REIDSVILLE NO. FPM BR
 T2 1 TROUBLESOME CR TRIP
 T3 50 YEAR FLOOD

J1 ICHECK INO NINV IDIR STRT METRIC HVINS 0 WSEL FQ
 -10. 3. 0. 0. 003500 0.00 0.0 0. 740.000 0.000

J2 NPROF IPLQT PREVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
 2.000 0.000 -1.000 0.000 0.000 0.000 0.000 0.000 0.000 15.000

*PROF 2

CCHV= .200 CEHV= .400

*SECNO 38050.000

SECNO	DEPTH	CWSEL	CRIMS	WSELK	EG	HV	HL	LOSS	BANK	ELEV
0	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TNA	LEFT/RIGHT	
TIME	VLOB	VCH	VRQB	XNL	XNCH	XNR	MTN	ELHIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPHID	ENDST	

38050.00	6.17	740.07	0.00	740.00	740.43	.36	0.00	0.00	739.80	
1125.	0.	761.	363.	2.	133.	226.	0.	0.	736.60	
0.00	.26	5.71	1.61	.090	.040	.090	0.000	733.90	1454.66	
.003522	160.	160.	160.	0	0	4	0.00	162.94	1617.30	

FLOW DISTRIBUTION FOR SECNO= 38050.00 CWSEL= 740.07

STA=	1455.	1468.	1498.	1500.	1600.	1618.
PER Q=	.0	67.7	1.4	30.0	.3	
AREA=	1.8	133.3	6.9	212.3	6.8	
VEL=	.3	5.7	2.2	1.6	.5	

*SECNO 38137.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 740.30 ELPEA= 741.20

38137.00	6.78	740.28	0.00	0.00	740.71	.44	.29	.03	739.80	
1125.	0.	1125.	0.	0.	212.	0.	1.	0.	737.90	
.00	0.00	5.30	0.00	.090	.040	.090	.040	733.50	1457.00	
.002393	87.	87.	87.	2	0	0	0.00	36.00	1493.00	

FLOW DISTRIBUTION FOR SECNO= 38137.00 CWSEL= 740.28

STA=	1457.	1493.
PER Q=	100.00	
AREA=	212.3	
VEL=	5.3	

THIS RUN EXECUTED 14 APR 77 08.55

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

T1 PEIDSVILLE NC FPM BR
 T2 L TROUBLESOME CR TRIB
 T3 100 YEAR FLOOD

J1 DICHECK INO MINV IDIR STRT METRIC HVINS Q WSEL FQ
 -10. 4. 0. 0. .003500 0.00 0.0 0. 740.000 0.000
 J2 NPROF IPILOT PRFVS XSECV XSECH FN ALLDC ISW CHNIM ITRACE
 3.000 6.000 -1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 19.000
 *PROF 3

CCHV= .200 CEHV= .400

*SECNO 38050.000

SECNO	DEPTH	CHSEL	CRWS	WSELK	EQ	HV	HL	LOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	YLOB	YCH	YROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOB	XLCH	XLOBR	ITRIAL	IDC	ICONT	COVAR	TOPWID	ENDST
38050.00	6.49	740.39	0.00	740.00	740.77	.37	0.00	0.00	739.80
1315.	4.	8521.	460.	9.	143.	265.	0.	0.	736.60
0.20	.43	5.96	1.73	.090	.040	.090	0.000	733.90	1439.19
.003499	160.	160.	160.	0	0	5	0.00	185.66	1624.84

FLOW DISTRIBUTION FOR SECNO= 38050.00 CHSEL= 740.39

STA=	1439.	1468.	1498.	1500.	1600.	1625.
PER OF	.3	64.8	1.4	32.9	.7	
AREA=	8.5	142.8	7.6	244.3	13.6	
VEL=	.4	6.0	2.4	1.8	.7	

*SECNO 38137.000

3495 OVF/BANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 740.30 FLREA= 741.20

SECNO	DEPTH	CHSEL	CRWS	WSELK	EQ	HV	HL	LOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	YLOB	YCH	YROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOB	XLCH	XLOBR	ITRIAL	IDC	ICONT	COVAR	TOPWID	ENDST
38137.00	7.06	740.56	0.00	0.00	741.10	.53	.27	.06	739.80
1315.	5.	1310.	0.	12.	223.	0.	1.	0.	737.50
.00	.45	5.88	0.00	.090	.040	.090	.040	733.50	1425.89
.002724	87.	87.	87.	2	0	0	0.00	67.11	1433.00

FLOW DISTRIBUTION FOR SECNO= 38137.00 CHSEL= 740.56

STA=	1426.	1457.	1493.
PER OF	.4	99.6	
AREA=	11.9	222.7	
VEL=	.5	5.9	

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

T1 REIDSVILLE NO EPM RR
 T2 L TROUBLESOME CR TRIB
 T3 500 YEAR FLOOD

J1	ICHECK	IND	NINV	ICIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	5.	0.	0.	.003500	0.00	0.0	0.	740.000	0.000

J2	NPROF	IPLT	PREVS	XSECV	XSECH	FN	ALLDC	LHW	CHNIM	ITRACE
	15.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	15.000

*PROF 4

QCHV= .200 CEHV= .100

*SECNO 38050.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
TIME	VLOB	VCH	VRDB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOB	XLCH	XLOBR	ITR1AL	IDC	ICONT	CURAP	TOPWID	ENDST
38050.00	7.19	741.09	0.00	740.00	741.51	.41	0.00	0.00	739.80
1819.	30.	1070.	715.	41.	164.	360.	0.	3.	736.60
0.00	.73	6.53	1.99	.090	.040	.090	0.000	733.90	1405.22
.003498	160.	160.	160.	0	0	5	0.00	235.52	1640.74

FLOW DISTRIBUTION FOR SECNO= 38050.00 CWSEL= 741.09

STA=	1435.	1468.	1498.	1500.	1600.	1641.
PER Q=	1.6	52.0	1.3	36.5	1.8	
AREA=	40.6	163.6	9.0	314.3	36.5	
VEL=	.7	6.5	2.7	2.1	.9	

*SECNO 38137.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
TIME	VLOB	VCH	VRDB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOB	XLCH	XLOBR	ITR1AL	IDC	ICONT	CURAP	TOPWID	ENDST
38137.00	7.95	741.45	0.00	0.00	741.74	.28	.20	.03	739.80
1819.	30.	1279.	500.	56.	255.	379.	1.	0.	737.50
.01	.64	5.07	1.32	.090	.040	.090	.040	733.50	1385.13
.001662	87.	87.	87.	2	0	0	0.00	263.79	1648.93

FLOW DISTRIBUTION FOR SECNO= 38137.00 CWSEL= 741.45

STA=	1385.	1400.	1457.	1493.	1600.	1649.
PER Q=	.0	1.9	70.5	25.5	2.0	
AREA=	1.9	54.3	254.7	326.6	52.7	
VEL=	.2	.7	5.0	1.4	.7	

 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

13 YR NATURAL FLOOD
 SUMMARY PRINTOUT

SECD	CHSEL	EG	K*XNL	K*XNCH	K*XNR	ELMIN
38050.000	739.27	739.60	90.00	40.00	90.00	733.90
38050.000	740.07	740.43	90.00	40.00	90.00	733.90
38050.000	740.39	740.77	90.00	40.00	90.00	733.90
38050.000	741.09	741.51	90.00	40.00	90.00	733.90
38137.000	739.57	739.81	90.00	40.00	90.00	733.50
38137.000	740.28	740.71	90.00	40.00	90.00	733.50
38137.000	740.56	741.10	90.00	40.00	90.00	733.50
38137.000	741.45	741.74	90.00	40.00	90.00	733.50
38163.000	740.03	740.24	90.00	40.00	90.00	733.50
38163.000	741.35	741.47	90.00	40.00	90.00	733.50
38163.000	741.70	741.83	90.00	40.00	90.00	733.50
38163.000	742.46	742.55	90.00	40.00	90.00	733.50
38200.000	740.15	740.30	90.00	40.00	90.00	733.90
38200.000	741.37	741.50	90.00	40.00	90.00	733.90
38200.000	741.73	741.86	90.00	40.00	90.00	733.90
38200.000	742.43	742.59	90.00	40.00	90.00	733.90
38450.000	740.49	740.60	90.00	40.00	90.00	733.90
38450.000	741.63	741.74	90.00	40.00	90.00	733.90
38450.000	742.00	742.11	90.00	40.00	90.00	733.90
38450.000	742.73	742.86	90.00	40.00	90.00	733.90
* 100.000	742.31	743.43	120.00	65.00	120.00	737.70
* 100.000	743.49	744.60	120.00	65.00	120.00	737.70
* 100.000	744.02	744.90	120.00	65.00	120.00	737.70
* 100.000	744.81	745.63	120.00	65.00	120.00	737.70
300.000	744.46	744.53	120.00	65.00	120.00	738.10
300.000	745.59	745.67	120.00	65.00	120.00	738.10
300.000	745.93	746.02	120.00	65.00	120.00	738.10
300.000	746.61	746.71	120.00	65.00	120.00	738.10
350.000	744.59	744.69	120.00	65.00	120.00	738.10
350.000	745.65	745.77	120.00	65.00	120.00	738.10
350.000	745.99	746.11	120.00	65.00	120.00	738.10
350.000	746.68	746.82	120.00	65.00	120.00	738.10

HEC-2, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000

SERNO	CWSEL	EG	K*XNL	K*XCCH	K*XNR	ELMIN
365.000	744.58	744.75	120.00	65.00	120.00	738.30
365.000	745.64	745.84	120.00	65.00	120.00	738.30
365.000	745.98	746.19	120.00	65.00	120.00	738.30
365.000	746.67	746.91	120.00	65.00	120.00	738.30
400.000	744.68	744.88	120.00	65.00	120.00	738.60
400.000	745.75	745.98	120.00	65.00	120.00	738.60
400.000	746.09	746.34	120.00	65.00	120.00	738.60
400.000	746.80	747.08	120.00	65.00	120.00	738.60
450.000	744.85	745.16	120.00	65.00	120.00	739.30
450.000	745.92	746.28	120.00	65.00	120.00	739.30
450.000	746.27	746.66	120.00	65.00	120.00	739.30
450.000	747.00	747.43	120.00	65.00	120.00	739.30
600.000	745.89	746.39	120.00	65.00	120.00	739.50
600.000	747.00	747.86	120.00	65.00	120.00	739.50
600.000	747.38	748.43	120.00	65.00	120.00	739.50
600.000	748.11	749.65	120.00	65.00	120.00	739.50
895.000	747.84	748.04	120.00	65.00	120.00	739.80
895.000	749.46	749.63	120.00	65.00	120.00	739.80
895.000	749.98	750.13	120.00	65.00	120.00	739.80
895.000	751.11	751.21	120.00	65.00	120.00	739.80
950.000	747.98	748.31	120.00	65.00	120.00	741.10
950.000	749.50	749.94	120.00	65.00	120.00	741.10
950.000	750.00	750.42	120.00	65.00	120.00	741.10
950.000	751.12	751.42	120.00	65.00	120.00	741.10
1025.000	748.34	748.79	120.00	65.00	120.00	741.10
1025.000	749.97	750.30	120.00	65.00	120.00	741.10
1025.000	750.47	750.76	120.00	65.00	120.00	741.10
1025.000	751.45	751.69	120.00	65.00	120.00	741.10
1033.000	750.04	750.82	120.00	12.00	120.00	740.90
1033.000	750.76	751.57	120.00	12.00	120.00	740.90
1033.000	750.98	751.88	120.00	12.00	120.00	740.90
1033.000	751.42	752.50	120.00	12.00	120.00	740.90
1087.000	750.81	751.07	120.00	12.00	120.00	741.80
1087.000	751.46	751.82	120.00	12.00	120.00	741.80
1087.000	751.76	752.15	120.00	12.00	120.00	741.80
1087.000	752.39	752.81	120.00	12.00	120.00	741.80
1088.000	751.09	751.12	120.00	65.00	120.00	742.00
1088.000	751.83	751.88	120.00	65.00	120.00	742.00
1088.000	752.16	752.22	120.00	65.00	120.00	742.00
1088.000	752.82	752.99	120.00	65.00	120.00	742.00
1098.000	751.09	751.12	120.00	65.00	120.00	742.00
1098.000	751.84	751.89	120.00	65.00	120.00	742.00
1098.000	752.17	752.23	120.00	65.00	120.00	742.00
1098.000	752.83	752.90	120.00	65.00	120.00	742.00

SECNO	CNSEL	EG	K*XL	K*XLCH	K*XLK	ELMIN
1440.000	751.40	751.62	120.00	65.00	120.00	744.70
1440.000	752.30	752.61	120.00	65.00	120.00	744.70
1440.000	752.69	753.01	120.00	65.00	120.00	744.70
1440.000	753.45	753.79	120.00	65.00	120.00	744.70
1444.000	751.53	751.66	120.00	65.00	120.00	744.10
1444.000	752.52	752.67	120.00	65.00	120.00	744.10
1444.000	752.72	753.08	120.00	65.00	120.00	744.10
1444.000	753.69	753.85	120.00	65.00	120.00	744.10
1517.000	752.79	752.83	120.00	65.00	120.00	744.20
1517.000	753.44	753.51	120.00	65.00	120.00	744.20
1517.000	753.71	753.79	120.00	65.00	120.00	744.20
1517.000	754.31	754.41	120.00	65.00	120.00	744.20
1528.000	752.81	752.85	120.00	65.00	120.00	744.20
1528.000	753.48	753.54	120.00	65.00	120.00	744.20
1528.000	753.76	753.83	120.00	65.00	120.00	744.20
1528.000	754.36	754.46	120.00	65.00	120.00	744.20
1600.000	752.90	753.01	120.00	65.00	120.00	745.50
1600.000	753.60	753.83	120.00	65.00	120.00	745.50
1600.000	753.90	754.18	120.00	65.00	120.00	745.50
1600.000	754.51	754.93	120.00	65.00	120.00	745.50
1700.000	753.07	753.16	120.00	65.00	120.00	746.50
1700.000	753.54	754.11	120.00	65.00	120.00	746.50
1700.000	754.32	754.52	120.00	65.00	120.00	746.50
1700.000	755.13	755.38	120.00	65.00	120.00	746.50
1850.000	753.36	753.63	120.00	65.00	120.00	748.50
1850.000	754.38	754.80	120.00	65.00	120.00	748.50
1850.000	754.81	755.29	120.00	65.00	120.00	748.50
1850.000	755.68	756.21	120.00	65.00	120.00	748.50
1950.000	754.01	754.31	120.00	65.00	120.00	749.00
1950.000	755.17	755.55	120.00	65.00	120.00	749.00
1950.000	755.66	756.06	120.00	65.00	120.00	749.00
1950.000	756.55	756.95	120.00	65.00	120.00	749.00
2040.000	754.61	756.68	120.00	65.00	120.00	749.50
2040.000	756.73	757.00	120.00	65.00	120.00	749.50
2040.000	756.65	757.68	120.00	65.00	120.00	749.50
2040.000	757.45	757.84	120.00	65.00	120.00	749.50
2061.000	757.30	758.38	120.00	65.00	120.00	749.50
2061.000	758.95	758.99	120.00	65.00	120.00	749.50
2061.000	759.17	759.22	120.00	65.00	120.00	749.50
2061.000	759.65	759.71	120.00	65.00	120.00	749.50
2066.000	758.59	758.61	120.00	65.00	120.00	749.50
2066.000	758.96	759.00	120.00	65.00	120.00	749.50
2066.000	759.18	759.23	120.00	65.00	120.00	749.50
2066.000	759.66	759.72	120.00	65.00	120.00	749.50

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SECNO	CWSEL	EQ	K*XNL	K*XNCH	K*XNR	ELMIN
2639.000	769.63	769.76	120.00	20.00	120.00	759.40
2639.000	770.06	770.34	120.00	20.00	120.00	759.40
2639.000	770.21	770.59	120.00	20.00	120.00	759.40
2639.000	770.36	771.02	120.00	20.00	120.00	759.40
2640.000	769.73	769.77	120.00	65.00	120.00	759.40
2640.000	770.30	770.38	120.00	65.00	120.00	759.40
2640.000	770.55	770.65	120.00	65.00	120.00	759.40
2640.000	771.00	771.13	120.00	65.00	120.00	759.40
2680.000	759.80	769.82	120.00	65.00	120.00	761.00
2680.000	770.42	770.46	120.00	65.00	120.00	761.00
2680.000	770.70	770.74	120.00	65.00	120.00	761.00
2680.000	771.20	771.26	120.00	65.00	120.00	761.00
2740.000	769.81	769.96	120.00	65.00	120.00	764.00
2740.000	770.48	770.69	120.00	65.00	120.00	764.00
2740.000	770.78	771.02	120.00	65.00	120.00	764.00
2740.000	771.33	771.61	120.00	65.00	120.00	764.00

10 YR NATURAL FLOOD

SUMMARY PRINTOUT

SECNO	CHSEL	QLOB	QCH	QRDB	VLOB	VCH	VRDB
38050.000	739.27	0.00	567.68	167.32	0.00	5.18	1.22
38050.000	740.37	.48	761.35	363.17	.26	5.71	1.61
38050.000	740.39	3.71	851.65	489.63	.43	5.96	1.73
38050.000	741.09	29.61	1070.09	715.30	.73	6.53	1.99
38137.000	739.57	0.00	735.00	0.00	0.00	3.93	0.00
38137.000	740.28	0.00	1125.00	0.00	0.00	5.30	0.00
38137.000	740.56	5.39	1309.61	0.00	.45	5.88	0.00
38137.000	741.45	35.70	1279.45	499.85	.54	5.02	1.32
38163.000	740.03	0.00	735.00	0.00	0.00	3.65	0.00
38163.000	741.35	19.02	800.82	305.16	.39	3.22	.84
38163.000	741.70	36.12	893.52	385.36	.48	3.41	.92
38163.000	742.40	95.30	1124.93	594.77	.63	3.92	1.11
38200.000	740.15	.59	491.88	242.53	.19	3.62	1.03
38200.000	741.37	29.13	638.16	457.69	.48	3.71	1.14
38200.000	741.73	53.49	709.85	551.66	.58	3.88	1.21
38200.000	742.43	133.75	888.78	792.47	.75	4.35	1.38
38450.000	740.49	2.85	470.52	261.63	.25	3.24	.95
38450.000	741.63	41.22	615.24	488.54	.50	3.42	1.06
38450.000	742.00	69.20	684.19	561.61	.58	3.58	1.13
38450.000	742.73	159.14	855.35	800.51	.72	4.02	1.28
* 300.000	742.31	38.34	474.92	56.74	2.91	9.20	2.38
* 300.000	743.49	96.65	667.52	195.82	3.22	9.98	2.72
* 300.000	744.02	150.44	717.87	281.69	2.40	9.72	2.72
* 300.000	744.81	350.59	830.89	460.52	2.30	9.80	2.86
300.000	744.46	102.94	313.10	153.96	.70	2.89	.99
300.000	745.59	268.22	407.76	284.02	.88	3.20	1.14
300.000	745.93	351.81	451.69	346.50	.97	3.39	1.22
300.000	746.61	577.83	561.04	511.13	1.18	3.87	1.42
350.000	744.59	84.74	347.55	137.71	.83	3.15	1.02
350.000	745.65	218.92	472.06	209.02	1.02	3.68	1.24
350.000	745.99	289.60	528.25	332.15	1.11	3.94	1.35
350.000	746.68	489.91	657.92	502.17	1.33	4.51	1.59
365.000	744.58	47.55	403.20	119.25	.85	3.87	1.16
365.000	745.64	151.85	558.00	250.07	1.05	4.53	1.43
365.000	745.98	213.47	625.12	311.41	1.17	4.83	1.54
365.000	746.67	391.85	782.30	475.85	1.42	5.52	1.81
400.000	744.68	40.95	417.67	111.39	.93	4.16	1.23
400.000	745.75	135.43	581.40	243.17	1.09	4.86	1.52
400.000	746.09	195.25	649.96	304.78	1.22	5.17	1.64
400.000	746.80	370.06	811.68	468.26	1.48	5.86	1.90
450.000	744.85	27.72	452.88	89.40	1.18	4.98	1.39
450.000	745.92	100.11	639.82	220.07	1.26	5.80	1.77
450.000	746.27	146.74	719.32	283.94	1.35	6.16	1.92
450.000	747.00	310.45	891.30	448.25	1.66	6.86	2.19

SECNO	CWSEL	QLOB	QCH	QROB	VL08	VCH	VROB
600.000	745.89	0.00	528.90	41.09	0.00	5.89	2.03
600.000	747.00	0.00	872.89	87.11	0.00	7.73	2.80
600.000	747.38	0.00	1038.80	111.20	0.00	8.56	3.15
600.000	748.11	0.00	1454.04	195.96	0.00	10.55	2.96
899.000	747.84	0.00	468.46	51.54	0.00	3.75	1.39
899.000	749.46	7.57	635.08	247.35	.35	3.89	.87
899.000	749.98	29.12	667.61	383.27	.53	3.78	.94
899.000	751.11	103.46	714.74	701.80	.71	3.49	1.03
950.000	747.98	5.94	429.96	14.09	.95	4.70	1.17
950.000	749.50	20.42	775.50	94.08	1.34	5.73	.84
950.000	750.00	26.93	848.79	204.28	1.41	5.86	1.00
950.000	751.12	46.29	921.20	552.51	1.25	3.55	1.28
1029.000	748.34	0.00	520.00	0.00	0.00	5.37	0.00
1029.000	749.97	51.91	648.02	190.06	1.49	5.34	.90
1029.000	750.47	61.53	692.44	326.03	1.52	5.38	1.05
1029.000	751.45	94.71	768.14	657.15	1.34	5.36	1.29
* 1033.000	750.04	9.49	306.52	203.90	.41	9.24	.98
* 1033.000	750.76	35.76	425.98	428.26	.66	10.37	1.26
* 1033.000	750.98	49.23	488.34	542.42	.76	11.23	1.41
* 1033.000	751.42	83.86	623.30	812.84	.96	12.89	1.71
1087.000	750.81	21.27	246.11	252.62	.38	5.92	.73
1087.000	751.46	49.77	362.32	477.91	.56	7.42	.99
1087.000	751.76	72.85	413.15	594.00	.65	7.92	1.09
1087.000	752.39	149.71	516.37	853.93	.82	8.75	1.26
1088.000	751.09	.95	280.76	238.29	.13	1.78	.53
1088.000	751.83	10.39	414.64	464.97	.28	2.35	.76
1088.000	752.16	19.83	474.51	585.66	.34	2.57	.86
1088.000	752.82	59.51	596.44	864.05	.49	2.97	1.05
1098.000	751.09	.99	280.18	238.83	.13	1.77	.53
1098.000	751.84	10.59	413.70	465.70	.28	2.34	.76
1098.000	752.17	20.14	473.46	586.40	.34	2.56	.86
1098.000	752.83	60.29	595.07	864.63	.49	2.95	1.05
1440.000	751.40	94.84	297.46	97.71	1.69	4.66	1.60
1440.000	752.30	184.91	438.24	216.85	2.06	5.94	1.71
1440.000	752.69	231.24	489.10	299.65	2.14	6.27	1.82
1440.000	753.45	342.51	589.41	508.08	2.29	6.83	2.08
1444.000	751.53	133.02	248.00	108.98	1.99	3.69	1.77
1444.000	752.52	248.52	336.44	255.04	2.30	4.36	1.82
1444.000	752.92	304.59	366.28	349.14	2.36	4.51	1.94
1444.000	753.69	436.39	425.88	577.74	2.49	4.79	2.21
1517.000	752.79	145.55	179.26	165.18	1.20	2.27	.90
* 1517.000	753.44	252.66	259.53	327.81	1.59	3.14	1.39
* 1517.000	753.71	308.42	295.08	416.50	1.74	3.35	1.57
* 1517.000	754.31	440.89	364.60	634.50	2.01	3.88	1.90

2025 RELEASE UNDER E.O. 14176

SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB
1528.000	752.61	145.62	178.15	166.22	1.19	2.25	.97
1528.000	753.48	252.84	257.14	330.02	1.56	3.00	1.37
1528.000	753.76	308.75	291.37	419.88	1.71	3.29	1.55
1528.000	754.36	441.50	359.91	638.59	1.98	3.80	1.88
1600.000	752.90	92.28	326.84	70.88	1.09	3.17	1.04
1600.000	753.60	175.93	526.71	137.35	1.59	4.63	1.53
1600.000	753.90	221.97	623.74	174.29	1.82	5.28	1.75
1600.000	754.51	336.82	835.99	267.19	2.26	6.56	2.18
1700.000	753.07	57.21	254.84	42.95	.96	2.80	.92
1700.000	753.94	116.45	408.02	89.53	1.35	3.93	1.30
1700.000	754.32	150.02	479.57	116.40	1.51	4.38	1.45
1700.000	755.13	228.39	611.54	180.07	1.73	5.03	1.67
1850.000	753.36	34.08	294.79	26.12	1.41	4.53	1.55
1850.000	754.38	83.22	469.28	61.49	1.94	5.84	1.92
1850.000	754.81	113.11	548.59	84.29	2.14	6.32	2.08
1850.000	755.68	184.92	693.88	141.20	2.38	6.95	2.29
1950.000	754.01	13.24	333.41	8.35	.92	4.54	.90
1950.000	755.17	59.10	517.60	37.30	1.29	5.37	1.29
1950.000	755.66	90.62	598.19	57.20	1.42	5.64	1.42
1950.000	756.55	180.93	733.13	105.94	1.68	5.90	1.58
2040.000	754.61	0.00	355.00	0.00	0.00	11.56	0.00
* 2040.000	756.73	162.01	256.92	195.06	2.23	5.93	2.24
* 2040.000	756.65	194.33	317.69	233.97	2.78	7.41	2.78
2040.000	757.45	289.33	353.55	377.12	2.91	7.42	3.02
2061.000	757.30	0.00	355.00	0.00	0.00	8.33	0.00
2061.000	758.95	184.76	147.54	281.69	1.09	2.60	1.07
2061.000	759.17	228.08	169.43	348.49	1.25	2.92	1.20
2061.000	759.65	320.69	205.66	493.66	1.46	3.38	1.39
2066.000	758.59	105.91	92.84	156.25	.70	1.70	.70
2066.000	758.96	184.88	147.22	281.89	1.09	2.59	1.07
2066.000	759.18	228.24	168.99	348.77	1.25	2.91	1.20
2066.000	759.66	320.80	204.95	494.25	1.45	3.36	1.39
2067.000	758.19	17.80	257.81	79.31	.63	7.83	.82
* 2067.000	759.02	60.24	347.51	206.25	.91	9.17	1.11
* 2067.000	759.33	89.70	383.31	272.99	1.03	9.63	1.21
* 2067.000	759.89	160.18	439.31	420.51	1.12	10.19	1.38
2068.000	758.95	51.00	219.27	84.73	.63	2.39	.67
2068.000	759.83	123.46	309.30	181.24	.79	2.87	.89
2068.000	760.14	163.40	350.63	231.98	.86	3.09	.99
2068.000	760.63	249.31	430.64	340.05	1.00	3.53	1.18
2078.000	758.97	51.61	217.93	85.46	.63	2.36	.67
2078.000	759.35	124.55	307.34	182.10	.78	2.84	.88
2078.000	760.16	164.62	348.20	233.18	.85	3.06	.98
2078.000	760.65	250.93	427.74	341.32	.99	3.49	1.17

MICHIGAN BUSINESS BOOK CO.

SECNO	CNSEL	QLOB	QCH	QROB	VLOB	VCH	VROB
2100.000	758.95	25.93	282.35	46.72	.87	3.75	.85
2100.000	759.84	83.42	389.94	140.64	1.14	4.34	1.20
2100.000	760.15	117.22	439.25	189.53	1.23	4.60	1.33
2100.000	760.64	193.17	535.67	291.16	1.40	5.13	1.56
2150.000	759.09	2.65	350.68	1.67	.94	7.08	.94
* 2150.000	760.06	31.78	533.84	48.36	1.64	7.98	1.47
* 2150.000	760.42	53.26	596.72	96.02	1.82	8.13	1.79
* 2150.000	760.88	106.36	725.53	188.11	2.25	8.89	2.25
2200.000	760.45	24.29	248.44	62.27	1.27	5.13	1.65
2200.000	761.44	73.93	352.75	187.32	1.62	5.86	2.13
2200.000	761.72	100.25	407.56	238.19	1.81	6.41	2.38
2200.000	762.23	161.41	512.02	346.58	2.14	7.34	2.81
2350.000	762.05	14.30	229.17	56.52	1.21	5.24	1.54
2350.000	762.99	51.12	328.34	145.54	1.58	5.98	2.08
2350.000	763.39	76.49	377.16	196.35	1.74	6.33	2.29
2350.000	764.09	138.15	467.29	304.56	1.99	6.87	2.51
2450.000	763.44	6.63	269.20	24.16	1.24	6.49	1.36
2450.000	764.32	38.49	378.85	107.66	1.20	7.50	2.26
2450.000	764.75	63.05	425.94	161.01	2.11	7.82	2.54
2450.000	765.43	123.30	509.54	277.16	2.44	8.31	2.95
2500.000	764.49	15.56	236.56	47.88	1.18	5.04	1.38
2500.000	765.45	57.29	327.48	140.23	1.61	5.79	1.94
2500.000	765.84	85.08	370.92	194.00	1.78	6.13	2.16
2500.000	766.50	149.77	451.26	308.95	2.58	6.73	2.51
* 2552.000	765.45	0.00	300.00	0.00	0.00	13.46	0.00
* 2552.000	768.13	284.77	76.03	244.20	1.00	2.30	.91
* 2552.000	768.17	253.45	93.36	303.19	1.22	2.81	1.11
* 2552.000	768.15	354.08	131.27	423.85	1.72	3.97	1.57
* 2553.000	769.20	20.14	131.62	148.24	.79	7.90	1.29
* 2553.000	769.55	55.73	184.71	284.56	1.20	10.22	1.83
* 2553.000	769.71	79.35	208.39	362.26	1.40	11.13	2.06
* 2553.000	770.04	134.94	248.49	526.58	1.74	12.42	2.43
2639.000	769.63	53.76	152.88	93.36	.51	3.91	.36
2639.000	770.06	94.85	246.90	183.25	.79	6.05	.58
2639.000	770.21	117.96	298.09	233.95	.94	7.21	.71
2639.000	770.36	165.96	405.81	338.23	1.27	9.66	.96
2640.000	769.73	43.04	101.98	154.98	.80	2.59	.76
2640.000	770.30	78.63	152.13	294.23	1.16	3.65	1.15
2640.000	770.55	98.77	175.69	373.55	1.32	4.11	1.33
2640.000	771.00	141.66	219.64	548.70	1.61	4.93	1.67
2680.000	769.80	0.00	0.00	300.00	0.00	0.00	.06
2680.000	770.42	0.00	0.00	525.00	0.00	0.00	1.39
2680.000	770.70	0.00	0.00	650.00	0.00	0.00	1.60
2680.000	771.20	0.00	0.00	910.00	0.00	0.00	1.95

SECNO	CHSEL	QLOB	QCH	QRBB	VLOB	VCH	VROH
2740,000	769,81	60,16	182,96	56,88	,99	3,92	1,20
2740,000	770,48	144,64	264,49	115,87	1,46	5,02	1,69
2740,000	770,78	197,51	301,76	150,63	1,68	5,45	1,91
2740,000	771,33	313,73	374,42	224,85	2,06	6,16	2,28

STANDARD MICROFILMS INTL. SER. 10000000

10 YR NATURAL FLOOD

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K+S	VCH	AREA
38050.000	160.00	0.00	0.00	733.90	735.00	739.27	0.00	739.60	35.26	5.18	247.
38050.000	160.00	0.00	0.00	733.90	1125.00	740.07	0.00	740.43	35.22	5.71	361.
38050.000	160.00	0.00	0.00	733.90	1315.00	740.39	0.00	740.77	34.99	5.96	413.
38050.000	160.00	0.00	0.00	733.90	1815.00	741.09	0.00	741.51	34.98	6.53	564.
38137.000	87.00	0.00	0.00	733.50	735.00	739.57	0.00	739.81	15.19	3.93	187.
38137.000	87.00	0.00	0.00	733.50	1125.00	740.28	0.00	740.71	23.93	5.30	212.
38137.000	87.00	0.00	0.00	733.50	1315.00	740.56	0.00	741.10	27.24	5.88	234.
38137.000	87.00	0.00	0.00	733.50	1815.00	741.45	0.00	741.74	16.62	5.02	690.
38163.000	26.00	740.30	738.10	733.50	735.00	740.03	0.00	740.24	12.08	3.65	201.
38163.000	26.00	740.30	738.10	733.50	1125.00	741.35	0.00	741.47	7.03	3.22	661.
38163.000	26.00	740.30	738.10	733.50	1315.00	741.70	0.00	741.83	7.41	3.41	756.
38163.000	26.00	740.30	738.10	733.50	1815.00	742.40	0.00	742.55	8.65	3.92	974.
38200.000	37.00	0.00	0.00	733.90	735.00	740.15	0.00	740.30	13.85	3.62	374.
38200.000	37.00	0.00	0.00	733.90	1125.00	741.37	0.00	741.50	10.53	3.71	633.
38200.000	37.00	0.00	0.00	733.90	1315.00	741.73	0.00	741.86	10.66	3.88	729.
38200.000	37.00	0.00	0.00	733.90	1815.00	742.43	0.00	742.59	11.57	4.35	954.
38450.000	250.00	0.00	0.00	733.90	735.00	740.49	0.00	740.60	10.06	3.24	433.
38450.000	250.00	0.00	0.00	733.90	1125.00	741.63	0.00	741.74	8.43	3.42	703.
38450.000	250.00	0.00	0.00	733.90	1315.00	742.00	0.00	742.11	8.59	3.58	809.
38450.000	250.00	0.00	0.00	733.90	1815.00	742.73	0.00	742.86	9.34	4.02	1056.
* 100.000	100.00	0.00	0.00	737.70	570.00	742.31	742.31	743.43	309.76	9.20	88.
* 100.000	100.00	0.00	0.00	737.70	960.00	743.49	743.49	744.60	257.48	9.98	168.
* 100.000	100.00	0.00	0.00	737.70	1150.00	744.02	744.02	744.98	214.18	9.72	240.
* 100.000	100.00	0.00	0.00	737.70	1650.00	744.81	744.81	745.63	186.26	9.88	401.
300.000	200.00	0.00	0.00	738.10	570.00	744.46	0.00	744.53	17.20	2.89	410.
300.000	200.00	0.00	0.00	738.10	960.00	745.59	0.00	745.67	16.93	3.20	683.
300.000	200.00	0.00	0.00	738.10	1150.00	745.93	0.00	746.02	17.91	3.39	780.
300.000	200.00	0.00	0.00	738.10	1650.00	746.61	0.00	746.71	20.89	3.87	995.
350.000	50.00	743.10	742.20	738.10	570.00	744.59	0.00	744.69	19.90	3.15	347.
350.000	50.00	743.10	742.20	738.10	960.00	745.65	0.00	745.77	22.10	3.68	560.
350.000	50.00	743.10	742.20	738.10	1150.00	745.99	0.00	746.11	23.93	3.94	641.
350.000	50.00	743.10	742.20	738.10	1650.00	746.68	0.00	746.82	28.09	4.51	828.
365.000	15.00	0.00	0.00	738.30	570.00	744.58	0.00	744.75	30.39	3.87	262.
365.000	15.00	0.00	0.00	738.30	960.00	745.64	0.00	745.84	33.18	4.53	443.
365.000	15.00	0.00	0.00	738.30	1150.00	745.98	0.00	746.19	35.48	4.83	514.
365.000	15.00	0.00	0.00	738.30	1650.00	746.67	0.00	746.91	40.98	5.52	680.
400.000	35.00	0.00	0.00	738.60	570.00	744.68	0.00	744.88	36.93	4.16	235.
400.000	35.00	0.00	0.00	738.60	960.00	745.75	0.00	745.98	39.82	4.86	403.
400.000	35.00	0.00	0.00	738.60	1150.00	746.09	0.00	746.34	42.06	5.17	471.
400.000	35.00	0.00	0.00	738.60	1650.00	746.80	0.00	747.06	47.64	5.86	634.
450.000	50.00	0.00	0.00	739.30	570.00	744.85	0.00	745.16	60.27	4.98	178.
450.000	50.00	0.00	0.00	739.30	960.00	745.92	0.00	746.28	63.13	5.80	313.
450.000	50.00	0.00	0.00	739.30	1150.00	746.27	0.00	746.66	66.17	6.16	373.
450.000	50.00	0.00	0.00	739.30	1650.00	747.00	0.00	747.43	71.08	6.86	521.

SECNO	XLCH	ELTRD	ELLC	ELMIN	O	CWSEL	CRWS	EG	10K+S	VCH	AREA
600,000	150,00	0,00	0,00	739,50	570,00	745,89	0,00	746,39	102,17	5,89	110,
600,000	150,00	0,00	0,00	739,50	960,00	747,00	0,00	747,86	146,53	7,73	144,
600,000	150,00	0,00	0,00	739,50	1150,00	747,38	0,00	748,43	170,30	8,56	156,
600,000	150,00	0,00	0,00	739,50	1650,00	748,11	747,07	749,65	234,26	10,55	204,
895,000	295,00	0,00	0,00	739,80	520,00	747,84	0,00	748,04	31,97	3,75	162,
895,000	295,00	0,00	0,00	739,80	890,00	749,46	0,00	749,63	27,61	3,89	468,
895,000	295,00	0,00	0,00	739,80	1080,00	749,98	0,00	750,13	23,58	3,78	638,
895,000	295,00	0,00	0,00	739,80	1520,00	751,11	0,00	751,21	16,44	3,49	1032,
950,000	55,00	0,00	0,00	741,10	520,00	747,98	0,00	748,31	48,64	4,70	124,
950,000	55,00	0,00	0,00	741,10	890,00	749,50	0,00	749,94	52,58	5,73	263,
950,000	55,00	0,00	0,00	741,10	1080,00	750,00	0,00	750,42	50,27	5,86	369,
950,000	55,00	0,00	0,00	741,10	1520,00	751,12	0,00	751,42	37,47	5,55	633,
1025,000	75,00	0,00	0,00	741,10	520,00	748,34	0,00	748,79	68,43	5,37	96,
1025,000	75,00	0,00	0,00	741,10	890,00	749,97	0,00	750,30	38,14	5,34	367,
1025,000	75,00	0,00	0,00	741,10	1080,00	750,47	0,00	750,76	35,71	5,38	480,
1025,000	75,00	0,00	0,00	741,10	1520,00	751,45	0,00	751,69	30,68	5,36	724,
* 1033,000	8,00	748,50	744,90	740,90	520,00	750,04	750,04	750,82	50,66	9,24	265,
* 1033,000	8,00	748,50	744,90	740,90	890,00	750,76	750,76	751,57	47,99	10,37	433,
* 1033,000	8,00	748,50	744,90	740,90	1080,00	750,98	750,98	751,88	52,10	11,23	491,
* 1033,000	8,00	748,50	744,90	740,90	1520,00	751,42	751,42	752,50	59,62	12,89	610,
1087,000	54,00	748,50	745,80	741,80	520,00	750,81	0,00	751,07	15,39	5,92	444,
1087,000	54,00	748,50	745,80	741,80	890,00	751,46	0,00	751,82	19,58	7,42	620,
1087,000	54,00	748,50	745,80	741,80	1080,00	751,76	0,00	752,15	20,38	7,92	710,
1087,000	54,00	748,50	745,80	741,80	1520,00	752,39	0,00	752,81	21,05	8,75	921,
1088,000	1,00	0,00	0,00	742,00	520,00	751,09	0,00	751,12	5,80	1,78	616,
1088,000	1,00	0,00	0,00	742,00	890,00	751,83	0,00	751,88	8,70	2,35	822,
1088,000	1,00	0,00	0,00	742,00	1080,00	752,16	0,00	752,22	9,79	2,57	921,
1088,000	1,00	0,00	0,00	742,00	1520,00	752,82	0,00	752,89	11,64	2,97	1143,
1098,000	10,00	0,00	0,00	742,00	520,00	751,09	0,00	751,12	5,75	1,77	619,
1098,000	10,00	0,00	0,00	742,00	890,00	751,84	0,00	751,89	8,61	2,34	825,
1098,000	10,00	0,00	0,00	742,00	1080,00	752,17	0,00	752,23	9,69	2,56	925,
1098,000	10,00	0,00	0,00	742,00	1520,00	752,83	0,00	752,90	11,52	2,95	1149,
1440,000	342,00	0,00	0,00	744,70	490,00	751,40	0,00	751,62	48,99	4,66	181,
1440,000	342,00	0,00	0,00	744,70	840,00	752,30	0,00	752,61	65,72	5,94	290,
1440,000	342,00	0,00	0,00	744,70	1020,00	752,69	0,00	753,01	67,80	6,27	350,
1440,000	342,00	0,00	0,00	744,70	1440,00	753,45	0,00	753,79	70,10	6,83	479,
1444,000	4,00	0,00	0,00	744,10	490,00	751,53	0,00	751,66	65,75	3,69	195,
1444,000	4,00	0,00	0,00	744,10	840,00	752,52	0,00	752,67	76,59	4,36	325,
1444,000	4,00	0,00	0,00	744,10	1020,00	752,92	0,00	753,06	76,64	4,51	390,
1444,000	4,00	0,00	0,00	744,10	1440,00	753,69	0,00	753,85	76,62	4,79	525,
1517,000	73,00	751,30	747,70	744,20	490,00	752,79	0,00	752,83	20,21	2,27	369,
* 1517,000	73,00	751,30	747,70	744,20	840,00	753,44	0,00	753,51	32,52	3,04	480,
* 1517,000	73,00	751,30	747,70	744,20	1020,00	753,71	0,00	753,79	37,86	3,35	530,
* 1517,000	73,00	751,30	747,70	744,20	1440,00	754,31	0,00	754,41	46,47	3,88	646,

1517,000 73,00 751,30 747,70 744,20 490,00 752,79 0,00 752,83 20,21 2,27 369,

SECNO	XLCH	ELTRD	ELLC	FLMIN	O	CHSEL	CRHS	EG	10K+S	VCH	AREA
1528.000	11.00	0.00	0.00	744.20	490.00	752.81	0.00	752.85	19.77	2.25	373.
1528.000	11.00	0.00	0.00	744.20	840.00	753.48	0.00	753.54	31.46	3.00	487.
1528.000	11.00	0.00	0.00	744.20	1020.00	753.76	0.00	753.83	36.27	3.29	540.
1528.000	11.00	0.00	0.00	744.20	1440.00	754.36	0.00	754.46	44.31	3.80	658.
1600.000	72.00	0.00	0.00	745.50	490.00	752.90	0.00	753.01	15.79	3.17	255.
1600.000	72.00	0.00	0.00	745.50	840.00	753.60	0.00	753.83	29.59	4.63	313.
1600.000	72.00	0.00	0.00	745.50	1020.00	753.90	0.00	754.19	36.59	5.28	340.
1600.000	72.00	0.00	0.00	745.50	1440.00	754.51	0.00	754.93	51.10	6.56	399.
1700.000	100.00	0.00	0.00	746.50	355.00	753.07	0.00	753.16	14.67	2.80	197.
1700.000	100.00	0.00	0.00	746.50	614.00	753.94	0.00	754.11	24.10	3.93	259.
1700.000	100.00	0.00	0.00	746.50	746.00	754.32	0.00	754.52	27.90	4.38	289.
1700.000	100.00	0.00	0.00	746.50	1020.00	755.13	0.00	755.38	31.92	5.03	361.
1850.000	150.00	0.00	0.00	748.50	355.00	753.36	0.00	753.63	59.60	4.53	106.
1850.000	150.00	0.00	0.00	748.50	614.00	754.38	0.00	754.80	74.74	5.84	155.
1850.000	150.00	0.00	0.00	748.50	746.00	754.81	0.00	755.29	79.04	6.32	180.
1850.000	150.00	0.00	0.00	748.50	1020.00	755.68	0.00	756.21	74.36	6.95	239.
1950.000	100.00	0.00	0.00	749.00	355.00	754.01	0.00	754.31	76.87	4.54	97.
1950.000	100.00	0.00	0.00	749.00	614.00	755.17	0.00	755.55	74.38	5.37	171.
1950.000	100.00	0.00	0.00	749.00	746.00	755.66	0.00	756.06	72.44	5.64	210.
1950.000	100.00	0.00	0.00	749.00	1020.00	756.55	0.00	756.95	64.21	5.90	298.
2040.000	90.00	0.00	0.00	749.50	355.00	754.61	0.00	756.68	906.67	11.56	30.
2040.000	90.00	0.00	0.00	749.50	614.00	756.73	756.73	757.00	121.20	5.93	203.
2040.000	90.00	0.00	0.00	749.50	746.00	756.65	756.65	757.08	191.90	7.41	197.
2040.000	90.00	0.00	0.00	749.50	1020.00	757.45	0.00	757.84	167.37	7.42	271.
2061.000	21.00	757.90	756.60	749.50	355.00	757.30	0.00	758.38	577.51	8.33	42.
2061.000	21.00	757.90	756.60	749.50	614.00	758.95	0.00	758.99	16.33	2.60	489.
2061.000	21.00	757.90	756.60	749.50	746.00	759.17	0.00	759.22	19.94	2.92	530.
2061.000	21.00	757.90	756.60	749.50	1020.00	759.65	0.00	759.71	25.04	3.38	635.
2066.000	5.00	0.00	0.00	749.50	355.00	758.59	0.00	758.61	7.35	1.70	428.
2066.000	5.00	0.00	0.00	749.50	614.00	758.96	0.00	759.00	16.21	2.59	490.
2066.000	5.00	0.00	0.00	749.50	746.00	759.18	0.00	759.23	19.76	2.91	532.
2066.000	5.00	0.00	0.00	749.50	1020.00	759.66	0.00	759.72	24.76	3.36	638.
2067.000	1.00	0.00	0.00	752.70	355.00	758.19	758.06	758.86	34.80	7.83	158.
2067.000	1.00	0.00	0.00	752.70	614.00	759.02	759.02	759.77	39.54	9.17	289.
2067.000	1.00	0.00	0.00	752.70	746.00	759.33	759.33	760.08	40.97	9.63	351.
2067.000	1.00	0.00	0.00	752.70	1020.00	759.89	759.89	760.60	41.14	10.19	489.
2068.000	1.00	0.00	0.00	753.50	355.00	758.95	0.00	759.01	14.38	2.39	298.
2068.000	1.00	0.00	0.00	753.50	614.00	759.83	0.00	759.90	16.82	2.87	468.
2068.000	1.00	0.00	0.00	753.50	746.00	760.14	0.00	760.22	18.27	3.09	538.
2068.000	1.00	0.00	0.00	753.50	1020.00	760.63	0.00	760.72	21.49	3.53	660.
2078.000	10.00	0.00	0.00	753.50	355.00	758.97	0.00	759.02	13.97	2.36	302.
2078.000	10.00	0.00	0.00	753.50	614.00	759.85	0.00	759.92	16.35	2.84	474.
2078.000	10.00	0.00	0.00	753.50	746.00	760.16	0.00	760.24	17.74	3.06	545.
2078.000	10.00	0.00	0.00	753.50	1020.00	760.65	0.00	760.74	20.87	3.49	668.

UNITED STATES GOVERNMENT

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRHS	EG	10K*S	VCH	AREA
2100.000	23.00	0.00	0.00	754.50	355.00	758.95	0.00	759.13	49.52	3.83	158.
2100.000	23.00	0.00	0.00	754.50	614.00	759.84	0.00	760.03	49.03	4.34	279.
2100.000	23.00	0.00	0.00	754.50	746.00	760.15	0.00	760.35	50.79	4.60	333.
2100.000	23.00	0.00	0.00	754.50	1020.00	760.64	0.00	760.88	56.11	5.13	428.
2150.000	50.00	0.00	0.00	756.00	355.00	759.09	758.65	759.86	286.81	7.08	54.
* 2150.000	50.00	0.00	0.00	756.00	614.00	760.06	760.06	760.93	245.09	7.98	119.
* 2150.000	50.00	0.00	0.00	756.00	746.00	760.42	760.42	761.26	225.19	8.13	156.
* 2150.000	50.00	0.00	0.00	756.00	1020.00	760.88	760.88	761.78	233.28	8.89	212.
2200.000	50.00	0.00	0.00	756.00	355.00	760.45	0.00	760.75	100.23	5.13	117.
2200.000	50.00	0.00	0.00	756.00	614.00	761.44	0.00	761.77	97.38	5.86	193.
2200.000	50.00	0.00	0.00	756.00	746.00	761.72	0.00	762.10	108.31	6.41	219.
2200.000	50.00	0.00	0.00	756.00	1020.00	762.23	0.00	762.70	125.92	7.34	268.
2350.000	150.00	0.00	0.00	758.00	300.00	762.05	0.00	762.39	119.69	5.24	92.
2350.000	150.00	0.00	0.00	758.00	525.00	762.99	0.00	763.36	115.09	5.98	157.
2350.000	150.00	0.00	0.00	758.00	650.00	763.39	0.00	763.78	115.43	6.33	189.
2350.000	150.00	0.00	0.00	758.00	910.00	764.09	0.00	764.51	113.82	6.87	254.
2450.000	100.00	0.00	0.00	758.50	300.00	763.44	0.00	764.03	206.42	6.49	64.
2450.000	100.00	0.00	0.00	758.50	525.00	764.35	0.00	765.00	211.90	7.50	118.
2450.000	100.00	0.00	0.00	758.50	650.00	764.75	0.00	765.40	208.25	7.82	147.
2450.000	100.00	0.00	0.00	758.50	910.00	765.43	0.00	766.09	201.07	8.31	205.
2500.000	50.00	0.00	0.00	759.00	300.00	764.49	0.00	764.81	105.63	5.04	94.
2500.000	50.00	0.00	0.00	759.00	525.00	765.45	0.00	765.79	108.64	5.79	164.
2500.000	50.00	0.00	0.00	759.00	650.00	765.84	0.00	766.20	111.65	6.13	198.
2500.000	50.00	0.00	0.00	759.00	910.00	766.50	0.00	766.89	117.15	6.73	262.
* 2552.000	52.00	0.00	0.00	759.40	300.00	765.45	765.45	768.26	1250.16	13.46	22.
* 2552.000	52.00	0.00	0.00	759.40	525.00	768.13	768.13	768.16	11.45	2.30	507.
* 2552.000	52.00	0.00	0.00	759.40	650.00	768.17	768.17	768.20	17.03	2.81	513.
* 2552.000	52.00	0.00	0.00	759.40	910.00	768.15	768.15	768.22	33.92	3.97	510.
* 2553.000	1.00	767.50	763.40	759.40	300.00	769.20	769.20	769.64	91.51	7.90	157.
* 2553.000	1.00	767.50	763.40	759.40	525.00	769.55	769.55	770.15	137.88	10.22	219.
* 2553.000	1.00	767.50	763.40	759.40	650.00	769.71	769.71	770.37	155.67	11.13	251.
* 2553.000	1.00	767.50	763.40	759.40	910.00	770.04	770.04	770.75	177.38	12.42	314.
2639.000	76.00	0.00	0.00	759.40	300.00	769.63	0.00	769.76	2.51	3.91	404.
2639.000	76.00	0.00	0.00	759.40	525.00	770.06	0.00	770.34	5.65	6.05	474.
2639.000	76.00	0.00	0.00	759.40	650.00	770.21	0.00	770.59	7.88	7.21	497.
2639.000	76.00	0.00	0.00	759.40	910.00	770.36	0.00	771.02	13.89	9.66	523.
2640.000	1.00	0.00	0.00	759.40	300.00	769.73	0.00	769.77	11.41	2.59	297.
2640.000	1.00	0.00	0.00	759.40	525.00	770.30	0.00	770.38	21.05	3.65	366.
2640.000	1.00	0.00	0.00	759.40	650.00	770.55	0.00	770.65	25.90	4.11	399.
2640.000	1.00	0.00	0.00	759.40	910.00	771.00	0.00	771.13	35.34	4.93	461.
2680.000	40.00	0.00	0.00	761.00	300.00	769.80	0.00	769.82	7.40	0.00	313.
2680.000	40.00	0.00	0.00	761.00	525.00	770.42	0.00	770.46	14.97	0.00	376.
2680.000	40.00	0.00	0.00	761.00	650.00	770.70	0.00	770.74	19.17	0.00	407.
2680.000	40.00	0.00	0.00	761.00	910.00	771.20	0.00	771.26	27.27	0.00	467.

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CNSEL	CRWS	EG	10K*S	VCH	AREA
2740.000	60.00	0.00	0.00	764.00	300.00	769.81	0.00	769.96	45.47	3.92	154.
2740.000	60.00	0.00	0.00	764.00	525.00	770.48	0.00	770.69	63.45	5.02	220.
2740.000	60.00	0.00	0.00	764.00	650.00	770.78	0.00	771.02	69.67	5.45	251.
2740.000	60.00	0.00	0.00	764.00	910.00	771.35	0.00	771.61	79.41	6.16	311.

3110103 A0001 1000

10 YR NATURAL FLOOD

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CNSL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
38050.000	735.00	739.27	0.00	0.00	-.73	129.55	160.00
38050.000	1125.00	740.07	0.00	0.00	.07	162.94	160.00
38050.000	1315.00	740.39	0.00	0.00	.39	185.66	160.00
38050.000	1815.00	741.09	.70	0.20	1.09	235.52	160.00
38137.000	735.00	739.57	0.00	.30	0.00	36.00	87.00
38137.000	1125.00	740.28	0.00	.20	0.00	36.00	87.00
38137.000	1315.00	740.56	0.00	.17	0.00	67.11	87.00
38137.000	1815.00	741.45	.89	.36	0.00	263.79	87.00
38163.000	735.00	740.03	0.00	.46	0.00	36.00	26.00
38163.000	1125.00	741.35	0.00	1.07	0.00	255.29	26.00
38163.000	1315.00	741.70	0.00	1.14	0.00	284.09	26.00
38163.000	1815.00	742.40	.70	.95	0.00	341.03	26.00
38200.000	735.00	740.15	0.00	.13	0.00	168.66	37.00
38200.000	1125.00	741.37	0.00	.02	0.00	257.27	37.00
38200.000	1315.00	741.73	0.00	.03	0.00	286.29	37.00
38200.000	1815.00	742.43	.71	.04	0.00	344.35	37.00
38450.000	735.00	740.49	0.00	.33	0.00	191.75	250.00
38450.000	1125.00	741.63	0.00	.26	0.00	278.64	250.00
38450.000	1315.00	742.00	0.00	.27	0.00	308.05	250.00
38450.000	1815.00	742.73	.73	.29	0.00	367.67	250.00
* 100.000	570.00	742.31	0.00	1.82	0.00	50.27	100.00
* 100.000	960.00	743.49	0.00	1.85	0.00	101.14	100.00
* 100.000	1150.00	744.02	0.00	2.03	0.00	165.34	100.00
* 100.000	1650.00	744.81	.79	2.08	0.00	242.19	100.00
300.000	570.00	744.46	0.00	2.15	0.00	205.72	200.00
300.000	960.00	745.59	0.00	2.10	0.00	274.34	200.00
300.000	1150.00	745.93	0.00	1.91	0.00	293.71	200.00
300.000	1650.00	746.61	.68	1.80	0.00	332.63	200.00
350.000	570.00	744.59	0.00	.13	0.00	168.02	50.00
350.000	960.00	745.65	0.00	.06	0.00	231.31	50.00
350.000	1150.00	745.99	0.00	.06	0.00	251.80	50.00
350.000	1650.00	746.68	.69	.06	0.00	291.58	50.00
365.000	570.00	744.58	0.00	-.01	0.00	137.09	15.00
365.000	960.00	745.64	0.00	-.01	0.00	201.30	15.00
365.000	1150.00	745.98	0.00	-.01	0.00	221.14	15.00
365.000	1650.00	746.67	.69	-.01	0.00	264.15	15.00
400.000	570.00	744.60	0.00	.10	0.00	124.13	35.00
400.000	960.00	745.75	0.00	.10	0.00	189.32	35.00
400.000	1150.00	746.09	0.00	.11	0.00	209.58	35.00
400.000	1650.00	746.80	.71	.13	0.00	251.99	35.00
450.000	570.00	744.85	0.00	.17	0.00	92.19	50.00
450.000	960.00	745.92	0.00	.17	0.00	158.11	50.00
450.000	1150.00	746.27	0.00	.18	0.00	179.75	50.00
450.000	1650.00	747.00	.73	.21	0.00	223.01	50.00

SECNO	Q	CHSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCII
600.000	570.00	745.89	0.00	1.09	0.00	28.46	150.00
600.000	960.00	747.00	0.00	1.09	0.00	32.39	150.00
600.000	1150.00	747.38	0.00	1.11	0.00	33.73	150.00
600.000	1650.00	748.11	.73	1.10	0.00	144.31	150.00
895.000	520.00	747.84	0.00	1.96	0.00	34.29	295.00
895.000	890.00	749.46	0.00	2.45	0.00	313.02	295.00
895.000	1000.00	749.98	0.00	2.60	0.00	329.93	295.00
895.000	1520.00	751.11	1.13	3.00	0.00	366.16	295.00
950.000	520.00	747.98	0.00	.14	0.00	30.36	55.00
950.000	890.00	749.50	0.00	.04	0.00	194.54	55.00
950.000	1080.00	750.00	0.00	.01	0.00	224.10	55.00
950.000	1520.00	751.12	1.12	.01	0.00	258.13	55.00
1025.000	520.00	748.34	0.00	.36	0.00	15.00	75.00
1025.000	890.00	749.97	0.00	.48	0.00	223.67	75.00
1025.000	1080.00	750.47	0.00	.47	0.00	228.03	75.00
1025.000	1520.00	751.45	.98	.33	0.00	273.95	75.00
* 1033.000	520.00	750.04	0.00	1.70	0.00	284.35	8.00
* 1033.000	890.00	750.76	0.00	.75	0.00	296.35	8.00
* 1033.000	1080.00	750.98	0.00	.51	0.00	300.03	8.00
* 1033.000	1520.00	751.42	.44	-.03	0.00	307.40	8.00
1087.000	520.00	750.81	0.00	.77	0.00	296.16	54.00
1087.000	890.00	751.46	0.00	.70	0.00	307.90	54.00
1087.000	1080.00	751.76	0.00	.79	0.00	320.05	54.00
1087.000	1520.00	752.39	.63	.98	0.00	357.64	54.00
1088.000	520.00	751.09	0.00	.28	0.00	256.60	1.00
1088.000	890.00	751.83	0.00	.38	0.00	292.67	1.00
1088.000	1080.00	752.16	0.00	.40	0.00	308.54	1.00
1088.000	1520.00	752.82	.66	.43	0.00	374.26	1.00
1098.000	520.00	751.09	0.00	.01	0.00	257.07	10.00
1098.000	890.00	751.84	0.00	.01	0.00	293.27	10.00
1098.000	1080.00	752.17	0.00	.01	0.00	309.16	10.00
1098.000	1520.00	752.83	.66	.01	0.00	375.82	10.00
1440.000	490.00	751.40	0.00	.31	0.00	91.18	342.00
1440.000	840.00	752.30	0.00	.40	0.00	150.95	342.00
1440.000	1020.00	752.69	0.00	.52	0.00	160.69	342.00
1440.000	1440.00	753.45	.70	.61	0.00	179.62	342.00
1444.000	490.00	751.53	0.00	.13	0.00	99.12	4.00
1444.000	840.00	752.52	0.00	.21	0.00	156.33	4.00
1444.000	1020.00	752.92	0.00	.23	0.00	166.37	4.00
1444.000	1440.00	753.69	.77	.24	0.00	185.59	4.00
1517.000	490.00	752.79	0.00	1.26	0.00	163.10	73.00
* 1517.000	840.00	753.44	0.00	.93	0.00	179.37	73.00
* 1517.000	1020.00	753.71	0.00	.80	0.00	186.18	73.00
* 1517.000	1440.00	754.31	.60	.62	0.00	201.05	73.00

INFORMATION REPORT
 FORM NO. 10
 APR 1964 EDITION
 GSA GEN. REG. NO. 27

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
1528.000	490.00	752.81	0.00	.02	0.00	163.67	11.00
1528.000	840.00	753.48	0.00	.04	0.00	180.31	11.00
1528.000	1020.00	753.76	0.00	.04	0.00	187.53	11.00
1528.000	1440.00	754.36	.61	.06	0.00	202.59	11.00
1600.000	490.00	752.90	0.00	.08	0.00	77.10	72.00
1600.000	840.00	753.60	0.00	.13	0.00	87.15	72.00
1600.000	1020.00	753.90	0.00	.14	0.00	91.30	72.00
1600.000	1440.00	754.51	.62	.15	0.00	100.09	72.00
1700.000	355.00	753.07	0.00	.17	0.00	65.42	100.00
1700.000	614.00	753.94	0.00	.34	0.00	77.71	100.00
1700.000	746.00	754.32	0.00	.42	0.00	83.07	100.00
1700.000	1020.00	755.13	.81	.61	0.00	94.61	100.00
1750.000	355.00	753.36	0.00	.29	0.00	40.82	150.00
1850.000	614.00	754.38	0.00	.44	0.00	55.51	150.00
1850.000	746.00	754.81	0.00	.50	0.00	61.61	150.00
1850.000	1020.00	755.68	.86	.55	0.00	73.95	150.00
1950.000	355.00	754.01	0.00	.65	0.00	51.77	100.00
1950.000	614.00	755.17	0.00	.79	0.00	76.02	100.00
1950.000	746.00	755.66	0.00	.84	0.00	86.08	100.00
1950.000	1020.00	756.55	.90	.88	0.00	110.95	100.00
2040.000	355.00	754.61	0.00	.60	0.00	6.00	90.00
2040.000	614.00	756.73	0.00	1.56	0.00	81.60	90.00
2040.000	746.00	756.65	0.00	1.00	0.00	80.26	90.00
2040.000	1020.00	757.45	.80	.90	0.00	111.15	90.00
2061.000	355.00	757.30	0.00	2.70	0.00	6.00	21.00
2061.000	614.00	758.95	0.00	2.23	0.00	179.40	21.00
2061.000	746.00	759.17	0.00	2.52	0.00	198.34	21.00
2061.000	1020.00	759.65	.48	2.20	0.00	247.29	21.00
2066.000	355.00	758.59	0.00	1.28	0.00	161.54	5.00
2066.000	614.00	758.96	0.00	.01	0.00	180.12	5.00
2066.000	746.00	759.18	0.00	.01	0.00	199.25	5.00
2066.000	1020.00	759.66	.48	.01	0.00	250.71	5.00
2067.000	355.00	758.19	0.00	.40	0.00	133.54	1.00
2067.000	614.00	759.02	0.00	.06	0.00	185.20	1.00
2067.000	746.00	759.33	0.00	.15	0.00	211.04	1.00
2067.000	1020.00	759.89	.56	.23	0.00	309.32	1.00
2068.000	355.00	758.95	0.00	.77	0.00	167.64	1.00
2068.000	614.00	759.85	0.00	.81	0.00	217.14	1.00
2068.000	746.00	760.14	0.00	.81	0.00	235.15	1.00
2068.000	1020.00	760.63	.49	.74	0.00	264.77	1.00
2078.000	355.00	758.97	0.00	.02	0.00	169.06	10.00
2078.000	614.00	759.85	0.00	.02	0.00	218.76	10.00
2078.000	746.00	760.10	0.00	.02	0.00	236.99	10.00
2078.000	1020.00	760.65	.49	.02	0.00	266.71	10.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
2100.000	355.00	758.95	0.00	-.02	0.00	111.20	23.00
2100.000	614.00	759.84	0.00	-.01	0.00	161.24	23.00
2100.000	746.00	760.15	0.00	-.01	0.00	178.82	23.00
2100.000	1020.00	760.64	.49	-.01	0.00	206.60	23.00
2150.000	355.00	759.09	0.00	.15	0.00	33.41	50.00
* 2150.000	614.00	760.06	0.00	.23	0.00	97.05	50.00
* 2150.000	746.00	760.42	0.00	.27	0.00	109.96	50.00
* 2150.000	1020.00	760.88	.46	.24	0.00	135.73	50.00
2200.000	355.00	760.45	0.00	1.36	0.00	68.24	50.00
2200.000	614.00	761.44	0.00	1.37	0.00	86.80	50.00
2200.000	746.00	761.72	0.00	1.29	0.00	92.11	50.00
2200.000	1020.00	762.23	.51	1.34	0.00	101.69	50.00
2350.000	300.00	762.05	0.00	1.61	0.00	60.91	150.00
2350.000	525.00	762.99	0.00	1.55	0.00	78.41	150.00
2350.000	650.00	763.39	0.00	1.67	0.00	85.78	150.00
2350.000	910.00	764.09	.70	1.86	0.00	99.04	150.00
2450.000	300.00	763.44	0.00	1.39	0.00	49.73	100.00
2450.000	525.00	764.35	0.00	1.36	0.00	69.32	100.00
2450.000	650.00	764.75	0.00	1.36	0.00	77.90	100.00
2450.000	910.00	765.43	.69	1.34	0.00	92.70	100.00
2500.000	300.00	764.49	0.00	1.05	0.00	61.54	50.00
2500.000	525.00	765.45	0.00	1.10	0.00	82.41	50.00
2500.000	650.00	765.84	0.00	1.09	0.00	90.85	50.00
2500.000	910.00	766.50	.66	1.07	0.00	105.09	50.00
* 2552.000	300.00	765.45	0.00	.96	0.00	4.00	52.00
* 2552.000	525.00	768.13	0.00	2.68	0.00	167.52	52.00
* 2552.000	650.00	768.17	0.00	2.33	0.00	168.75	52.00
* 2552.000	910.00	768.15	-.02	1.65	0.00	168.11	52.00
* 2553.000	300.00	769.20	0.00	3.75	0.00	205.94	1.00
* 2553.000	525.00	769.55	0.00	1.42	0.00	218.47	1.00
* 2553.000	650.00	769.71	0.00	1.55	0.00	224.42	1.00
* 2553.000	910.00	770.04	.32	1.89	0.00	235.34	1.00
2639.000	300.00	769.63	0.00	.43	0.00	152.48	76.00
2639.000	525.00	770.06	0.00	.52	0.00	163.81	76.00
2639.000	650.00	770.21	0.00	.50	0.00	168.18	76.00
2639.000	910.00	770.36	.15	.33	0.00	173.12	76.00
2640.000	300.00	769.73	0.00	.10	0.00	114.73	1.00
2640.000	525.00	770.30	0.00	.24	0.00	127.62	1.00
2640.000	650.00	770.55	0.00	.34	0.00	133.46	1.00
2640.000	910.00	771.00	.45	.64	0.00	143.65	1.00
2680.000	300.00	769.80	0.00	.07	0.00	93.95	40.00
2680.000	525.00	770.42	0.00	.12	0.00	107.86	40.00
2680.000	650.00	770.70	0.00	.12	0.00	114.10	40.00
2680.000	910.00	771.20	.50	.20	0.00	125.36	40.00

MILITARY & NAVAL RECORDS DIVISION

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIF*WS	TOPWID	XLCH
2740.000	300.00	769.81	0.00	.01	0.00	90.75	60.00
2740.000	525.00	770.40	0.00	.05	0.00	102.05	60.00
2740.000	650.00	770.78	0.00	.08	0.00	105.29	60.00
2740.000	910.00	771.33	.55	.13	0.00	111.11	60.00

SUMMARY OF ERRORS

CAUTION SECNO= 100.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 100.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 100.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 100.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 100.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 100.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 100.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 100.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 100.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 100.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 100.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 100.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 1033.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 1033.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 1033.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 1033.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 1033.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 1033.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 1033.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 1033.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 1033.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 1033.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 1033.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 1033.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 1517.000 PROFILE= 2 HYDRAULIC JUMP D.S.
 CAUTION SECNO= 1517.000 PROFILE= 3 HYDRAULIC JUMP D.S.
 CAUTION SECNO= 1517.000 PROFILE= 4 HYDRAULIC JUMP D.S.

CAUTION SECNO= 2040.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 2040.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 2040.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 2040.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 2040.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 2040.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 2067.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 2067.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 2067.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 2067.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 2067.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 2067.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 2067.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 2067.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 2067.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 2150.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 2150.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 2150.000 PROFILE= 3 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 2150.000 PROFILE= 3 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 2150.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 2150.000 PROFILE= 4 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 2552.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 2552.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 2552.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 2552.000 PROFILE= 1 SLOPE TOO STEEP
CAUTION SECNO= 2552.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 2552.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 2552.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 2552.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 2552.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 2552.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 2552.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 2552.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 2552.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 2553.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 2553.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 2553.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 2553.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 2553.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 2553.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 2553.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 2553.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 2553.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 2553.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 2553.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 2553.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

INDUSTRIAL ENGINEERING

FLOOD INSURANCE ZONE DATA FOR 10 YR NATURAL FLOOD

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10'	2'	0.2'
38050.000	0.	-1.1	-.3	.7
38137.000	87.	-1.0	-.3	.9
38163.000	113.	-1.7	-.4	.7
38200.000	150.	-1.6	-.4	.7
38450.000	400.	-1.5	-.4	.7
100.000	500.	-1.7	-.5	.8
300.000	700.	-1.5	-.3	.7
350.000	750.	-1.4	-.3	.7
365.000	765.	-1.4	-.3	.7
400.000	800.	-1.4	-.3	.7
450.000	850.	-1.4	-.4	.7
600.000	1000.	-1.5	-.4	.7
895.000	1295.	-2.1	-.5	1.1
950.000	1350.	-2.0	-.5	1.1
1020.000	1425.	-2.1	-.5	1.0
1033.000	1433.	-.9	-.2	.4
1087.000	1487.	-1.0	-.3	.6
1088.000	1488.	-1.1	-.3	.7
1098.000	1498.	-1.1	-.3	.7
1440.000	1840.	-1.3	-.4	.8
1444.000	1844.	-1.4	-.4	.8
1517.000	1917.	-.9	-.3	.6
1520.000	1928.	-.9	-.3	.6
1600.000	2000.	-1.0	-.3	.6
1700.000	2100.	-1.2	-.4	.8
1850.000	2250.	-1.5	-.4	.9
1950.000	2350.	-1.6	-.5	.9
2040.000	2440.	-2.0	-.1	.8
2061.000	2461.	-1.9	-.2	.5
2066.000	2466.	-.6	-.2	.5
2067.000	2467.	-1.1	-.3	.6
2068.000	2468.	-1.2	-.3	.5
2078.000	2478.	-1.2	-.3	.5
2100.000	2501.	-1.2	-.3	.5
2150.000	2551.	-1.3	-.4	.5
2200.000	2601.	-1.3	-.3	.5
2350.000	2751.	-1.3	-.4	.7
2450.000	2851.	-1.3	-.4	.7
2500.000	2901.	-1.3	-.4	.7
2552.000	2953.	-2.7	-.0	-.0
2553.000	2954.	-.5	-.2	.3
2639.000	3030.	-.6	-.1	.1
2640.000	3031.	-.8	-.3	.4
2600.000	3071.	-.9	-.3	.5
2740.000	3131.	-1.0	-.3	.5
WEIGHTED AVG FOR REACH		-1.4	-.4	.7

FHF FOR THE REACH = 015 WITH 89.7% OF THE REACH WITHIN .5 FEET ZONE FOR THE REACH = A 3