

LEWIS
CREEK

NC	.200	.200	.090	.100	.300	-0.	-0.	-0.	-0.	-0.
RT	5.000	785.000	1535.000	1980.000	3380.000	1980.000	-0.	-0.	-0.	-0.
CI	-0.	-0.	-0.	-0.	-0.	10.400	-0.	-0.	-0.	-0.
X1	9.100	18.000	395.000	425.000	-0.	-0.	-0.	-0.	-0.	-0.
GR	37.300	0.	37.300	0.	34.600	25.000	21.200	125.000	17.000	225.000
GR	16.600	325.000	10.600	395.000	5.040	410.000	4.300	414.000	4.800	419.000
GR	8.800	425.000	9.900	440.000	15.100	465.000	16.300	525.000	19.700	625.000
GR	23.400	725.000	22.600	925.000	23.000	900.000	-0.	-0.	-0.	-0.
X1	8.100	16.000	855.000	875.000	2200.000	2700.000	2625.000	-0.	-0.	-0.
X4	2.000	24.000	300.000	21.300	450.000	-0.	-0.	-0.	-0.	-0.
GR	30.000	-0.	17.300	575.000	17.300	675.000	17.300	718.000	14.500	775.000
GR	15.500	855.000	11.280	860.000	10.900	864.000	11.280	866.000	11.700	869.000
GR	14.200	875.000	14.100	933.000	21.100	975.000	23.800	1075.000	26.800	1175.000
GR	27.800	1275.000	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
NC	-0.	-0.	.090	.300	.500	-0.	-0.	-0.	-0.	-0.

X1	8.200	14.000	397.830	411.830	100.000	100.000	100.000	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	17.850	17.850	-0.
X4	2.000	18.500	387.000	13.700	387.000	-0.	-0.	-0.	-0.	-0.
GR	29.700	0.	29.000	25.000	26.900	125.000	23.800	225.000	20.100	325.000
GR	11.200	397.830	11.200	411.830	13.800	417.000	18.500	421.000	18.500	422.000

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GR	21.800	525.000	24.000	625.000	27.000	725.000	30.000	825.000	-0.	-0.
S3	1.000	2.000	3.100	-0.	10.000	1.000	43.000	.510	13.400	13.400

X1	8.300	0.	0.	0.	10.000	10.000	10.000	-0.	-0.	-0.
X2	-0.	-0.	1.000	17.300	18.400	-0.	-0.	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	18.400	18.400	-0.
BT	13.000	0.	29.700	-0.	25.000	29.000	-0.	125.000	26.900	-0.
BT	225.000	23.800	-0.	325.000	20.100	-0.	387.000	18.500	-0.	393.000
BT	18.400	0.	417.000	18.400	0.	425.000	18.500	0.	525.000	21.800
BT	-0.	625.000	24.000	-0.	725.000	27.000	0.	825.000	30.000	-0.

X1	8.400	16.000	855.000	875.000	50.000	50.000	50.000	-0.	-0.	-0.
X4	2.000	24.000	300.000	21.300	450.000	-0.	-0.	-0.	-0.	-0.
GR	30.000	-0.	17.300	575.000	17.300	675.000	17.300	718.000	14.500	775.000
GR	15.500	855.000	11.280	860.000	10.900	864.000	11.280	866.000	11.700	869.000
GR	14.200	875.000	14.100	933.000	21.100	975.000	23.800	1075.000	26.800	1175.000
GR	27.800	1275.000	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
NC	-0.	-0.	.090	.300	.500	-0.	-0.	-0.	-0.	-0.

X1	7.100	17.000	780.000	800.000	1350.000	1100.000	1500.000	-0.	-0.	-0.
GR	30.000	-0.	24.300	375.000	20.300	500.000	20.300	600.000	20.300	643.000
GR	17.500	700.000	18.300	780.000	14.300	785.000	13.900	789.000	14.300	791.000
GR	14.700	794.000	17.200	800.000	17.100	858.000	24.100	900.000	27.800	1000.000
GR	29.800	1100.000	30.600	1200.000	-0.	-0.	-0.	-0.	-0.	-0.
BT	5.900	730.000	1430.000	1845.000	3160.000	1845.000	-0.	-0.	-0.	-0.

X1	8.100	17.000	780.000	800.000	1140.000	1140.000	1350.000	-0.	-0.	-0.
GR	30.000	-0.	24.300	375.000	20.300	500.000	20.300	600.000	20.300	643.000
GR	17.500	700.000	18.300	780.000	14.300	785.000	13.900	789.000	14.300	791.000
GR	14.700	794.000	17.200	800.000	17.100	858.000	24.100	900.000	27.800	1000.000
GR	29.800	1100.000	30.600	1200.000	-0.	-0.	-0.	-0.	-0.	-0.
NC	-0.	-0.	.090	.300	.500	-0.	-0.	-0.	-0.	-0.

X1	6.200	15.000	405.200	449.000	100.000	100.000	100.000	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	28.500	28.500	-0.
GR	32.840	0.	32.840	50.000	31.380	150.000	31.290	250.000	31.400	350.000
GR	31.420	405.200	31.420	407.000	17.650	407.000	17.600	449.000	31.400	449.000
GR	31.390	450.000	31.300	550.000	31.530	650.000	31.900	750.000	33.180	850.000
SB	1.000	1.620	2.800	-0.	38.000	9.000	256.000	.380	17.580	17.580

X1	6.300	0.	0.	0.	78.000	78.000	78.000	-0.	-0.	-0.
X2	-0.	-0.	1.000	25.600	31.400	-0.	-0.	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	31.290	31.300	-0.
BT	13.000	0.	32.840	-0.	50.000	32.000	0.	150.000	31.390	-0.
BT	250.000	31.290	0.	350.000	31.400	0.	405.000	31.400	0.	405.200
BT	31.400	0.	449.000	31.400	0.	450.000	31.400	0.	550.000	31.300
BT	-0.	650.000	31.530	0.	750.000	31.900	-0.	850.000	33.180	-0.

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X1	6.400	14.000	705.000	725.000	50.000	50.000	50.000	-0.	-0.	-0.
GR	36.600	-0.	28.600	275.000	25.900	425.000	24.800	625.000	24.600	705.000
GR	22.400	711.000	20.900	716.000	22.400	721.000	24.500	725.000	24.700	825.000
GR	25.000	875.000	29.700	925.000	31.600	1025.000	32.300	1125.000	-0.	-0.
NC	-0.	-0.	.090	.100	.300	-0.	-0.	-0.	-0.	-0.

X1	5.100	-0.	-0.	-0.	670.000	870.000	920.000	-0.	-0.	-0.
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X1	4.100	14.000	1300.000	1340.000	4600.000	4200.000	4395.000	-0.	-0.	-0.
GR	48.000	0.	42.000	750.000	36.000	1050.000	30.000	1250.000	27.000	1300.000
GR	22.200	1308.000	20.900	1316.000	17.600	1324.000	20.000	1332.000	23.300	1340.000
GR	30.000	1950.000	36.000	2250.000	42.000	2500.000	48.000	2950.000	-0.	-0.
NC	-0.	-0.	.090	.300	.500	-0.	-0.	-0.	-0.	-0.

X1	4.200	24.000	1359.000	1399.000	100.000	100.000	100.000	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	33.000	33.000	-0.
GR	48.000	0.	42.000	400.000	36.000	600.000	44.100	850.000	40.800	900.000
GR	35.000	1100.000	33.600	1200.000	33.000	1300.000	34.000	1359.000	27.000	1359.000
GR	27.000	1359.000	22.200	1367.000	20.900	1375.000	17.600	1383.000	20.000	1391.000
GR	23.300	1399.000	34.000	1399.000	33.000	1499.000	33.400	1599.000	35.300	1699.000
GR	36.000	1799.000	70.000	1900.000	42.000	2100.000	48.000	2700.000	-0.	-0.
SB	1.250	1.500	3.000	-0.	25.100	4.800	420.500	.530	17.800	17.800

X1	4.300	0.	0.	0.	12.300	12.300	12.300	-0.	-0.	-0.
X2	-0.	-0.	1.000	32.800	33.000	-0.	-0.	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	33.000	33.000	-0.
BT	17.000	0.	48.000	0.	400.000	42.000	-0.	600.000	36.000	-0.
BT	850.000	44.100	0.	900.000	40.800	0.	1100.000	35.900	0.	1200.000
BT	33.600	0.	1300.000	33.000	-0.	1359.000	34.000	0.	1399.000	34.000
BT	-0.	1499.000	33.000	0.	1599.000	33.400	0.	1699.000	35.300	-0.
BT	1799.000	36.000	0.	1900.000	36.000	0.	2100.000	42.000	0.	2700.000
BT	48.000	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.

X1	4.400	14.000	1300.000	1340.000	50.000	50.000	50.000	-0.	-0.	-0.
GR	48.000	0.	42.000	750.000	36.000	1050.000	30.000	1250.000	27.000	1300.000
GR	22.200	1308.000	20.900	1316.000	17.600	1324.000	20.000	1332.000	23.300	1340.000
GR	30.000	1950.000	36.000	2250.000	42.000	2500.000	48.000	2950.000	-0.	-0.
NC	-0.	-0.	.090	.100	.300	-0.	-0.	-0.	-0.	-0.

Q1 5.000 475.000 950.000 1240.000 2165.000 1240.000 -0. -0. -0. -0.

X1 40.100 10.000 1243.000 1258.000 700.000 700.000 700.000 -0. -0. -0.
GR 48.000 0. 42.000 300.000 36.000 683.000 29.000 1183.000 28.000 1243.000
GR 26.400 1244.000 26.400 1250.000 28.000 1258.000 30.000 1683.000 48.000 2500.000
NC -0. -0. .090 .300 .500 -0. -0. -0. -0.

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X1 40.200 9.000 1243.000 1258.000 100.000 100.000 100.000 -0. -0. -0.
X3 10.000 -0. -0. -0. -0. -0. -0. 37.000 37.000 -0.
GR 52.800 -0. 46.200 300.000 39.600 600.000 33.000 800.000 26.400 1243.000
GR 26.400 1258.000 33.000 1450.000 39.600 1600.000 46.700 1850.000 -0. -0.
S3 1.900 1.930 2.860 -0. 15.000 1.000 98.000 -0. 26.400 26.400

X1 40.300 0. 0. 0. 94.000 94.000 94.000 -0. -0. -0.
X2 -0. -0. 1.000 33.400 41.900 -0. -0. -0. -0. -0.
X3 10.000 -0. -0. -0. -0. -0. -0. 41.800 42.200 -0.
BT 7.000 -0. 53.700 -0. 280.000 49.500 -0. 600.000 45.700 -0.
BT 817.000 43.900 -0. 1317.000 41.900 -0. 1817.000 49.800 -0. 1850.000
BT 50.400 -0. -0. -0. -0. -0. -0. -0. -0. -0.

X1 40.400 0. 0. 0. 50.000 50.000 50.000 -0. -0. -0.
VC -0. -0. .090 .100 .300 -0. -0. -0. -0.

X1 3.000 21.000 658.000 666.700 1770.000 1770.000 1770.000 -0. -0. -0.
GR 46.000 0. 42.000 200.000 40.900 225.000 38.600 275.000 36.200 375.000
GR 34.500 475.000 33.200 575.000 32.600 653.000 31.300 653.000 31.300 658.000
GR 30.000 660.200 29.800 651.700 30.000 664.000 32.000 666.700 32.000 674.700
GR 33.200 674.700 34.600 773.000 36.800 873.000 42.100 973.000 45.300 1073.000
GR 46.000 1650.000 -0. -0. -0. -0. -0. -0. -0. -0.

X1 2.000 15.000 438.000 450.000 2760.000 2760.000 2760.000 -0. -0. -0.
GR 54.400 0. 54.300 50.000 54.600 150.000 51.200 250.000 52.200 303.000
GR 40.600 350.000 37.500 438.000 36.960 439.000 36.200 444.000 36.700 447.000
GR 37.800 450.000 37.500 550.000 41.800 650.000 49.400 750.000 50.300 850.000
QT 5.900 360.000 730.000 955.000 1690.000 955.000 -0. -0. -0.

X1 1.100 -0. -0. -0. 2710.000 2710.000 2600.000 -0. -0. -0.
VC -0. -0. .090 .300 .500 -0. -0. -0. -0.
ET -0. -0. -0. -0. -0. 9.400 -0. -0. -0. -0.

X1 1.200 13.000 425.000 452.500 100.000 100.000 100.000 -0. -0. -0.
X3 10.000 -0. -0. -0. -0. -0. -0. 49.400 49.400 -0.
X4 2.000 51.600 350.000 50.600 457.000 -0. -0. -0. -0. -0.
GR 60.000 0. 60.000 1.900 58.700 50.000 56.500 150.000 53.900 250.000
GR 50.700 421.000 43.200 421.000 43.200 425.500 43.000 452.500 51.200 550.000
GR 50.500 650.000 54.200 750.000 56.100 850.000 -0. -0. -0. -0. -0.
S3 1.000 2.590 3.000 -0. 22.900 1.000 58.900 .830 45.700 45.700

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X1 1.300 -0. -0. -0. 51.000 51.000 51.000 -0. -0. -0.

20

X2	-0.	-0.	1.000	48.200	50.700	-0.	-0.	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	50.700	50.700	-0.
BT	13.000	0.	60.000	-0.	50.000	58.700	-0.	150.000	56.500	-0.
BT	250.000	53.900	0.	350.000	51.600	0.	421.000	50.700	0.	427.750
BT	50.700	0.	450.250	50.700	0.	451.000	50.700	0.	550.000	51.200
BT	-0.	650.000	52.500	-0.	750.000	54.200	0.	850.000	56.100	-0.
NC	-0.	-0.	.090	.100	.300	-0.	-0.	-0.	-0.	-0.
X1	1.400	15.000	438.000	450.000	50.000	50.000	50.000	-0.	7.000	-0.
GR	54.400	0.	54.300	50.000	54.600	150.000	51.200	250.000	52.200	303.000
GR	40.600	350.000	37.500	438.000	36.960	439.000	36.200	444.000	36.700	447.000
GR	37.800	450.000	37.500	550.000	41.800	650.000	49.400	750.000	50.300	850.000
EJ	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.

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SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
9	GLOB	GCH	GROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VPOB	XNL	XNCH	XNR	WTN	ELHIN	SSTA
SLOPE	XLOBL	YLCH	XLOER	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*PROF 1

INLEG = 1. THEREFORE FRICTION LOSS (HL) IS CALCULATED AS A FUNCTION OF PROFILE TYPE, WHICH CAN VARY FROM REACH TO REACH. SEE DOCUMENTATION FOR DETAILS.

CRITICAL DEPTH TO BE CALCULATED AT ALL CROSS SECTIONS

CCHV= .100 CEHV= .300
 *SECNO 9.100

9.10	9.67	13.90	9.23	13.90	14.02	.12	0.	0.	10.60
785.	34.	657.	94.	64.	217.	107.	0.	0.	8.80
1.	.53	3.02	.88	.200	.090	.200	0.	4.30	356.50
.002633	-0.	-0.	-0.	0	10	0	0.	102.73	459.23

*SECNO 8.100

8.10	7.67	10.57	15.66	0.	18.59	.02	4.56	.01	15.50
785.	325.	243.	216.	643.	126.	316.	41.	14.	14.20
.71	.51	1.94	.69	.200	.090	.200	.093	10.90	535.51
.001367	22.0.	2625.	2700.	4	9	0	0.	424.28	959.78

CCHV= .3 CEHV= .500
 *SECNO 8.200

8.20	7.64	10.84	15.79	0.	19.20	.37	.44	.17	11.20
785.	118.	590.	77.	71.	107.	46.	43.	15.	11.20
.71	1.66	5.52	1.69	.200	.090	.200	.093	11.20	373.97
.007421	100.	100.	100.	2	14	0	0.	58.52	432.49

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 17.75 ,NOT 18.84 HYDRAULIC JUMP (OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS))

SB	YK	XKOR	COFW	ROLEN	BWC	BWP	FAREA	SS	ELCHU	ELCHD
	1.00	2.03	3.10	-0.	10.00	1.00	43.00	.51	13.40	13.40

*SECNO 8.300
 PRESSURE AND VEIR FLOW

X2	-0.	-0.	1.000	48.200	50.700	-0.	-0.	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	50.700	50.700	-0.
BT	13.000	0.	60.000	-0.	50.000	58.700	-0.	150.000	56.500	-0.
BT	250.100	53.900	0.	350.000	51.600	0.	421.000	50.700	0.	427.750
BT	50.700	0.	450.250	50.700	0.	451.000	50.700	0.	550.000	51.200
BT	-0.	650.000	50.500	-0.	750.000	54.200	0.	850.000	56.100	-0.
NC	-0.	-0.	0.000	0.100	0.300	-0.	-0.	-0.	-0.	-0.
X1	1.400	15.000	438.000	450.000	50.000	50.000	50.000	-0.	7.000	-0.
GR	50.400	0.	54.300	50.000	54.600	150.000	51.200	250.000	52.200	303.000
GR	49.600	350.000	37.500	438.000	36.960	439.000	36.200	444.000	36.700	447.000
GR	37.800	450.000	37.500	550.000	41.800	650.000	49.400	750.000	50.300	850.000
EJ	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.

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SECNO	DEPTH	CWSEL	CRWS	WSELY	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALDB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOH	VCH	VPOB	XNL	XNCH	XNR	VTN	ELMIN	SSTA
SLOPE	XLOBL	YLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENOST

*PROF 1

INLET = 1. THEREFORE FRICTION LOSS (HL) IS CALCULATED AS A FUNCTION OF PROFILE TYPE, WHICH CAN VARY FROM REACH TO REACH. SEE DOCUMENTATION FOR DETAILS.

CRITICAL DEPTH TO BE CALCULATED AT ALL CROSS SECTIONS

CCHV= 1.00 CFHV= 0.300

*SECTION 5.10

9.10	8.60	13.90	9.23	13.90	14.02	.12	0.	0.	10.60
7.50	34.	657.	94.	64.	217.	107.	0.	0.	8.80
0.	.57	3.02	.80	.200	.090	.200	0.	4.30	356.50
.002633	-0.	-0.	-0.	0	10	0	0.	102.73	459.23

*SECTION 6.10

8.10	7.07	10.57	15.66	0.	18.59	.02	4.56	.01	15.50
7.50	30.0	243.	216.	64.3.	126.	316.	41.	14.	14.20
.71	.51	1.94	.69	.200	.090	.200	.093	10.90	535.51
.1300	0.000	260.0	270.0	4	9	0	0.	424.28	959.78

CCHV= 0.50 CFHV= 0.300

*SECTION 7.20

8.20	7.04	10.84	15.70	0.	19.20	.37	.44	.17	11.20
7.50	11.0	590.	77.	71.	107.	46.	43.	15.	11.20
.71	1.66	5.52	1.69	.200	.090	.200	.093	11.20	373.97
.7021	1.00	1.00	100.	2	14	0	0.	58.52	432.49

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 17.75 (NOT 18.84 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS))

SB	YK	XKOR	COFW	RDLN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.00	2.03	3.10	-0.	10.00	1.00	43.00	.51	13.40	13.40

*SECTION 8.300
PRESSURE AND WEIR FLOW

 HEC2 RELEASE DATED NOV 76 UPDATED APR1 1980
 ERROR CORR - 01,02,03,04
 MODIFICATION - 50,51,52,53,54

T1 LEWIS CREEK
 T2 NORTH CAROLINA FLOOD INSURANCE STUDY
 T3 50

J1	ICHECK	INW	NINW	IDIR	STRT	METRIC	HVINS	G	WSEL	FQ
	-0.	3.	-0.	-0.	-0.	-0.	-0.	-0.	16.600	-0.
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	-0.	-1.000	-0.	-0.	-0.	-1.000	-0.	-0.	-0.

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SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
G	GLOB	GCH	GROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VEOB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLGBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*PROF 2

INLEQ = 1. THEREFORE FRICTION LOSS (HL) IS CALCULATED AS A FUNCTION OF PROFILE TYPE, WHICH CAN VARY FROM REACH TO REACH. SEE DOCUMENTATION FOR DETAILS.

CRITICAL DEPTH TO BE CALCULATED AT ALL CROSS SECTIONS

CCHV= .100 CERV= .300

*SECNO 9.100

9.10	12.70	16.60	11.04	16.60	16.76	.16	0.	0.	10.60
1535.	169.	1171.	270.	210.	298.	267.	0.	0.	8.80
.72	.72	3.59	1.01	.200	.090	.200	0.	4.30	325.00
.002573	-0.	-0.	-0.	0	10	0	0.	208.82	533.82

*SECNO 8.100

8.10	9.64	20.54	16.32	0.	20.56	.02	3.79	.01	15.50
1535.	818.	341.	376.	1335.	165.	495.	77.	19.	14.20
.72	.61	2.26	.70	.200	.090	.200	.094	10.90	473.75
.001972	22.00	2625.	2700.	3	15	0	0.	497.89	971.64

CCHV= .300 CERV= .500

*SECNO 8.200

3301 HV CHANGED MORE THAN HVINS

8.20	9.61	20.81	17.85	0.	21.39	.58	.55	.28	11.20
1535.	369.	1004.	222.	191.	135.	147.	79.	20.	11.20
.72	1.61	7.46	1.50	.200	.090	.200	.094	11.20	305.73
.009994	100.	100.	100.	2	25	0	0.	188.46	494.19

CCHV= .100-CLNV= .300
 *SECNO 1.400
 1.40 8.03 51.23 45.98 0. 51.24 .00 .03 .01 44.50
 730. 178. 94. 458. 463. 90. 1155. 812. 219. 44.80
 6.85 .37 1.05 .40 .200 .090 .200 .093 43.20 335.28
 .000296 50. 50. 50. 2 21 0 0. 346.72 682.00

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THIS RUN EXECUTED 08 OCT 81 09.26.51

 HEC2 RELEASE DATED NOV 76 UPDATED APR 1980
 ERROR CORR - 01,02,03,04
 MODIFICATION - 50,51,52,53,54

T1 LEWIS CREEK
 T2 NORTH CAROLINA FLOOD INSURANCE STUDY
 T3 100

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-0.	4.	-1.	-0.	-0.	-0.	-0.	-0.	18.200	-0.
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	-0.	-1.000	-0.	-0.	-0.	-1.000	-0.	-0.	-0.

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SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	GLOBAL	CGH	SRGB	ALSB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOFL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*PROF 3

IHLCO = 1. THEREFORE FRICTION LOSS (FL) IS CALCULATED AS A FUNCTION OF
 PROFILE TYPE, WHICH CAN VARY FROM REACH TO REACH. SEE DOCUMENTATION FOR
 DETAILS.

CRITICAL DEPTH TO BE CALCULATED AT ALL CROSS SECTIONS

CCHV= .100-CLNV= .300
 *SECNO 9.100
 9.10 13.90 16.24 11.81 14.20 18.32 .12 0. 0. 10.60
 1980. 346. 1203. 431. 479. 346. 478. 0. 0. 8.80
 0. .72 3.47 .90 .200 .090 .200 0. 4.30 196.43
 .001849 -0. -0. -0. 0 10 0 0. 384.45 580.88

*SECNO 8.100
 8.10 10.60 21.50 16.74 0. 21.51 .02 3.19 .01 15.50
 1980. 1123. 390. 467. 1713. 184. 592. 105. 25. 14.20
 .71 .66 2.12 .79 .200 .090 .200 .095 10.90 439.24
 .000977 2200. 2625. 2700. 2 13 0 0. 550.33 989.58

EGPRS	EGLWC	M3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD
57.39	49.05	1.52	316.	643.	59.	60.	48.20	50.70
1.30	8.39	51.39	0.	0.	51.61	.23	3.39	0.
955.	38.	289.	28.	55.	224.	67.	1052.	245.
6.71	.69	3.97	.42	.200	.090	.200	.093	43.00
.003455	51.	51.	51.	2	0	6	0.	197.29

CCHV=	.100	CCHV=	.300
*SECNO 1.400			
1.40	8.46	51.56	48.19
955.	236.	119.	600.
6.73	.45	1.26	.48
.003387	50.	51.	50.

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 HEC2 RELEASE DATED NOV 76 UPDATED APR 1980
 ERROR CORR - 01,02,03,04
 MODIFICATION - 50,51,52,53,54

T1 LEWIS CREEK
 T2 NORTH CAROLINA FLOOD INSURANCE STUDY
 T3 500

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FQ
	-0.	5.	-0.	-0.	-0.	-0.	-0.	-0.	20.700	-0.
J2	NPROF	IFLOT	PREVS	XSECV	XSECH	FN	ALLOC	IBW	CHNIM	ITRACE
	15.000	-0.	-1.000	-0.	-0.	-0.	-1.000	-0.	-0.	-0.

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SECNO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
6	GLOB	GCH	GFCB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOR	VCH	VPOB	XV	XNCH	XVR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBK	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*PROF 4

INLEN = 1. THEREFORE FRICTION LOSS (HL) IS CALCULATED AS A FUNCTION OF PROFILE TYPE, WHICH CAN VARY FROM REACH TO REACH. SEE DOCUMENTATION FOR DETAILS.

CRITICAL DEPTH TO BE CALCULATED AT ALL CROSS SECTIONS

CCHV=	.100	CCHV=	.300
*SECNO 9.100			
9.10	15.45	20.70	13.74

PRESSURE AND WEIR FLOW

ESPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD
81.66	51.14	1.23	1121.	.573.	59.	60.	48.20	50.70
1.30	8.77	51.77	0.	0.	52.36	.59	1.76	0.
1690.	81.	1524.	85.	84.	234.	117.	1884.	324.
6.96	.97	6.50	.72	.200	.090	.200	.093	43.00
.008685	51.	51.	51.	2	0	8	0.	252.66
								43.20
								43.00
								342.09
								594.76

CC4V= .100 CFHV= .300
 *SECNO 1.400

3331 HV CHANGED MORE THAN HVINS

1.40	9.28	52.48	46.72	0.	52.49	.01	.07	.06	44.50
1690.	425.	200.	1064.	614.	105.	1455.	1885.	324.	44.80
6.98	.69	1.92	.73	.200	.090	.200	.093	43.20	330.23
.003787	50.	50.	50.	2	19	0	0.	368.17	698.41

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 HEC2 RELEASE DATED NOV 76 UPDATED APR 1980
 ERROR CORR - 01,02,03,04
 MODIFICATION - 50,51,52,53,54

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

AR

SUMMARY PRINTOUT TABLE 110

SECNO	CWSFL	DIFKWS	EG	TOFWID	QLDB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
9.100	13.90	0.	14.02	102.73	33.74	656.99	94.26	0.	0.	395.00	425.00	0.
9.100	16.60	0.	16.76	208.82	164.23	1100.81	269.95	0.	0.	395.00	425.00	0.
9.100	18.20	0.	18.32	364.45	345.61	1203.01	431.39	0.	0.	395.00	425.00	0.
9.100	20.70	0.	20.80	515.12	978.38	1549.53	922.09	0.	0.	395.00	425.00	0.
8.100	18.57	0.	18.59	424.26	325.08	243.44	216.48	0.	0.	855.00	875.00	0.
8.100	20.54	0.	20.50	497.89	818.18	340.95	375.86	0.	0.	855.00	875.00	0.
8.100	21.50	0.	21.51	550.33	1122.53	390.47	467.00	0.	0.	855.00	875.00	0.
8.100	23.63	0.	23.65	748.30	2082.30	531.38	766.33	0.	0.	855.00	875.00	0.
8.200	18.84	0.	19.20	58.52	118.32	589.68	77.00	0.	0.	397.83	411.83	0.
8.200	20.81	0.	21.39	188.46	308.82	1004.39	221.79	0.	0.	397.83	411.83	0.
8.200	21.75	0.	22.32	243.18	476.37	1151.02	352.61	0.	0.	397.83	411.83	0.
8.200	23.86	0.	24.31	395.87	1033.26	1419.62	927.12	0.	0.	397.83	411.83	0.
* 8.300	19.88	0.	20.13	131.82	131.13	562.13	91.74	0.	0.	397.83	411.83	0.
* 8.300	20.82	0.	21.39	189.24	309.68	1002.84	222.48	0.	0.	397.83	411.83	0.
* 8.300	21.76	0.	22.32	243.65	477.02	1149.77	353.20	0.	0.	397.83	411.83	0.

8.300	23.86	0.	24.31	396.09	1033.54	1418.98	927.48	0.	0.	397.83	411.83	0.
8.400	20.22	0.	20.23	486.11	407.58	182.15	195.26	0.	0.	855.00	875.00	0.
8.400	21.60	0.	21.61	560.35	875.44	298.77	360.79	0.	0.	855.00	875.00	0.
8.400	22.52	0.	22.53	645.46	1177.54	347.65	454.81	0.	0.	855.00	875.00	0.
8.400	24.48	0.	24.49	821.38	2121.27	490.54	768.19	0.	0.	855.00	875.00	0.
7.100	21.44	0.	21.46	419.83	321.24	248.48	215.28	0.	0.	780.00	800.00	0.
7.100	22.99	0.	23.02	477.40	783.92	368.11	382.96	0.	0.	780.00	800.00	0.
7.100	23.83	0.	23.86	509.10	1082.74	422.89	474.37	0.	0.	780.00	800.00	0.
7.100	25.78	0.	25.81	667.47	2035.52	578.91	765.57	0.	0.	780.00	800.00	0.
6.100	22.41	0.	22.42	455.91	350.00	191.91	188.08	0.	0.	780.00	800.00	0.
6.100	24.09	0.	24.10	516.25	794.46	296.45	339.09	0.	0.	780.00	800.00	0.
6.100	24.91	0.	24.93	587.17	1071.65	346.66	426.69	0.	0.	780.00	800.00	0.
6.100	26.88	0.	26.89	769.42	1969.73	486.90	703.36	0.	0.	780.00	800.00	0.

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SECNO	CWSEL	DIFKWS	EG	TOPWID	GLOB	QCH	QROB	PERENC	STEVCL	STCHL	STCHR	STENCR
6.200	22.69	0.	22.87	42.00	0.	730.00	0.	0.	0.	405.20	449.00	0.
6.200	24.45	0.	24.83	42.00	0.	1430.00	0.	0.	0.	405.20	449.00	0.
6.200	25.30	0.	25.81	42.00	0.	1845.00	0.	0.	0.	405.20	449.00	0.
6.200	27.33	0.	28.27	42.00	0.	3160.00	0.	0.	0.	405.20	449.00	0.
6.300	22.76	0.	22.94	42.00	0.	730.00	0.	0.	0.	405.20	449.00	0.
6.300	24.64	0.	25.00	42.00	0.	1430.00	0.	0.	0.	405.20	449.00	0.
6.300	26.20	0.	26.61	42.00	0.	1845.00	0.	0.	0.	405.20	449.00	0.
6.300	30.65	0.	31.17	42.00	0.	3160.00	0.	0.	0.	405.20	449.00	0.
6.400	25.57	0.	25.97	396.40	139.27	402.01	188.72	0.	0.	705.00	725.00	0.
6.400	26.08	0.	26.52	471.25	419.72	570.82	439.46	0.	0.	705.00	725.00	0.
6.400	27.12	0.	27.25	540.61	782.18	463.58	599.24	0.	0.	705.00	725.00	0.
6.400	31.39	0.	31.41	842.72	1806.56	376.79	976.65	0.	0.	705.00	725.00	0.
5.100	27.69	0.	27.70	577.58	336.91	156.00	237.09	0.	0.	705.00	725.00	0.
5.100	28.72	0.	28.74	644.33	727.42	244.46	458.12	0.	0.	705.00	725.00	0.
5.100	29.28	0.	29.30	671.37	975.68	266.42	582.90	0.	0.	705.00	725.00	0.
5.100	32.02	0.	32.03	937.81	1825.57	354.04	980.39	0.	0.	705.00	725.00	0.
4.100	29.37	0.	29.38	632.14	5.98	322.28	401.74	0.	0.	1300.00	1340.00	0.
4.100	30.94	0.	30.95	778.42	30.08	494.10	905.83	0.	0.	1300.00	1340.00	0.
4.100	31.64	0.	31.66	837.26	51.22	576.09	1217.70	0.	0.	1300.00	1340.00	0.
4.100	33.89	0.	33.90	1024.38	159.43	765.34	2235.22	0.	0.	1300.00	1340.00	0.
4.200	29.43	0.	29.50	40.00	0.	730.00	0.	0.	0.	1359.00	1399.00	0.
4.200	31.03	0.	31.24	40.00	0.	1430.00	0.	0.	0.	1359.00	1399.00	0.
4.200	31.76	0.	32.05	40.00	0.	1845.00	0.	0.	0.	1359.00	1399.00	0.
4.200	34.02	0.	34.54	450.16	50.99	3037.79	71.01	0.	0.	1359.00	1399.00	0.
4.300	29.45	0.	29.52	40.00	0.	730.00	0.	0.	0.	1359.00	1399.00	0.
4.300	31.10	0.	31.30	40.00	0.	1430.00	0.	0.	0.	1359.00	1399.00	0.
4.300	31.85	0.	32.14	40.00	0.	1845.00	0.	0.	0.	1359.00	1399.00	0.
4.300	34.02	0.	34.54	450.31	51.19	3037.54	71.27	0.	0.	1359.00	1399.00	0.
4.400	29.56	0.	29.56	652.24	6.88	314.18	468.95	0.	0.	1300.00	1340.00	0.
4.400	31.37	0.	31.38	814.26	35.88	463.79	930.33	0.	0.	1300.00	1340.00	0.
4.400	32.24	0.	32.25	886.88	62.08	533.93	1248.99	0.	0.	1300.00	1340.00	0.
4.400	34.71	0.	34.72	1092.56	185.78	710.02	2264.19	0.	0.	1300.00	1340.00	0.
40.100	30.46	0.	30.47	624.97	88.92	96.66	289.42	0.	0.	1243.00	1258.00	0.
40.100	31.85	0.	31.86	788.03	205.10	115.59	629.31	0.	0.	1243.00	1258.00	0.
40.100	32.62	0.	32.63	878.28	288.03	126.73	825.23	0.	0.	1243.00	1258.00	0.

40.100	34.94	0.	34.94	1148.17	597.98	156.77	1410.25	0.	0.	1243.00	1258.00	0.
40.200	31.22	0.	31.89	15.00	0.	475.00	0.	0.	0.	1243.00	1258.00	0.
40.200	32.71	0.	34.28	15.00	0.	950.00	0.	0.	0.	1243.00	1258.00	0.
40.200	33.46	0.	35.59	15.00	0.	1240.00	0.	0.	0.	1243.00	1258.00	0.
40.200	35.46	0.	39.40	15.00	0.	2165.00	0.	0.	0.	1243.00	1258.00	0.

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SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
40.300	31.38	0.	32.01	15.00	0.	475.00	0.	0.	0.	1243.00	1258.00	0.
40.300	34.41	0.	35.33	15.00	0.	950.00	0.	0.	0.	1243.00	1258.00	0.
40.300	37.08	0.	38.01	15.00	0.	1240.00	0.	0.	0.	1243.00	1258.00	0.
40.300	43.17	0.	43.17	1287.88	1378.46	128.90	657.64	0.	0.	1243.00	1258.00	0.
40.400	32.22	0.	32.22	574.86	278.72	75.53	120.76	0.	0.	1243.00	1258.00	0.
40.400	35.68	0.	35.68	792.13	596.66	92.00	261.34	0.	0.	1243.00	1258.00	0.
40.400	38.29	0.	38.29	930.57	788.96	97.13	353.91	0.	0.	1243.00	1258.00	0.
40.400	43.17	0.	43.17	1287.91	1373.46	128.90	657.65	0.	0.	1243.00	1258.00	0.
3.000	35.37	0.	35.40	367.14	260.37	109.86	104.77	0.	0.	658.00	666.70	0.
3.000	37.12	0.	37.13	496.25	565.01	124.72	260.28	0.	0.	658.00	666.70	0.
3.000	38.87	0.	38.87	606.13	761.86	115.57	362.57	0.	0.	658.00	666.70	0.
3.000	43.33	0.	43.33	855.88	1332.97	120.77	711.25	0.	0.	658.00	666.70	0.
2.000	41.14	0.	41.15	286.94	67.32	88.22	299.46	0.	0.	438.00	450.00	0.
2.000	42.20	0.	42.23	311.82	206.36	150.23	593.41	0.	0.	438.00	450.00	0.
2.000	42.79	0.	42.82	321.85	281.97	182.41	775.62	0.	0.	438.00	450.00	0.
2.000	45.40	0.	45.42	366.81	544.04	257.65	1363.31	0.	0.	438.00	450.00	0.
1.100	42.37	0.	42.37	314.63	79.34	55.70	224.96	0.	0.	438.00	450.00	0.
1.100	43.88	0.	43.89	340.74	175.55	96.62	457.83	0.	0.	438.00	450.00	0.
1.100	44.63	0.	44.63	353.48	235.41	119.49	600.10	0.	0.	438.00	450.00	0.
1.100	47.04	0.	47.04	394.91	436.24	184.60	1069.16	0.	0.	438.00	450.00	0.
1.200	45.13	0.	45.80	27.00	0.	360.00	0.	0.	0.	425.50	452.50	0.
1.200	46.25	0.	47.39	27.00	0.	730.00	0.	0.	0.	425.50	452.50	0.
1.200	46.82	0.	46.22	27.00	0.	955.00	0.	0.	0.	425.50	452.50	0.
1.200	48.55	0.	50.65	27.00	0.	1690.00	0.	0.	0.	425.50	452.50	0.
1.300	48.69	0.	48.20	27.00	0.	360.00	0.	0.	0.	425.50	452.50	0.
1.300	51.05	0.	51.20	132.45	26.86	689.47	13.67	0.	0.	425.50	452.50	0.
1.300	51.39	0.	51.61	197.29	37.93	688.92	26.15	0.	0.	425.50	452.50	0.
1.300	51.77	0.	52.38	252.66	81.26	1523.68	85.06	0.	0.	425.50	452.50	0.
1.400	48.27	0.	48.28	290.38	60.14	65.46	226.40	0.	0.	438.00	450.00	0.
1.400	51.23	0.	51.24	346.72	177.77	93.99	458.24	0.	0.	438.00	450.00	0.
1.400	51.66	0.	51.67	354.12	235.66	119.18	600.16	0.	0.	438.00	450.00	0.
1.400	52.48	0.	52.49	368.17	425.39	200.17	1064.44	0.	0.	438.00	450.00	0.

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SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01K
9.100	-0.	0.	0.	4.30	785.00	13.90	9.23	14.02	26.33	3.02	387.71	152.98
9.100	-0.	0.	0.	4.30	1535.00	16.60	11.04	16.76	25.73	3.69	775.04	302.62

9.100	-0.	0.	0.	4.30	1980.00	18.20	11.81	18.32	18.69	3.47	1303.95	457.97
9.100	-0.	0.	0.	4.30	3380.00	20.70	13.78	20.80	16.14	3.68	2430.21	841.39
8.100	2625.00	0.	0.	10.90	785.00	18.57	15.66	18.59	13.60	1.94	1084.00	212.85
8.100	2625.00	0.	0.	10.90	1535.00	20.54	16.32	20.56	10.72	2.06	1995.19	468.85
8.100	2625.00	0.	0.	10.90	1980.00	21.50	16.74	21.51	9.77	2.12	2469.79	633.61
8.100	2625.00	0.	0.	10.90	3380.00	23.63	17.76	23.65	9.02	2.34	3878.04	1125.50
8.200	100.00	0.	0.	11.20	785.00	18.84	15.79	19.20	74.21	5.52	223.86	91.13
8.200	100.00	0.	0.	11.20	1535.00	20.81	17.85	21.39	99.94	7.46	473.24	153.54
8.200	100.00	0.	0.	11.20	1980.00	21.75	17.89	22.32	96.18	7.79	676.03	201.89
8.200	100.00	0.	0.	11.20	3380.00	23.86	21.74	24.31	79.66	8.01	1349.61	378.70
8.300	10.00	18.40	17.30	11.20	785.00	19.86	0.	20.13	43.93	4.62	323.57	118.44
8.300	10.00	18.40	17.30	11.20	1535.00	20.82	0.	21.39	99.17	7.44	475.78	154.14
8.300	10.00	18.40	17.30	11.20	1980.00	21.76	0.	22.32	95.73	7.78	678.00	202.37
8.300	10.00	18.40	17.30	11.20	3380.00	23.86	0.	24.31	79.53	8.00	1350.71	379.01
8.400	50.00	0.	0.	10.90	785.00	20.22	15.60	20.23	3.48	1.15	1839.62	420.52
8.400	50.00	0.	0.	10.90	1535.00	21.60	16.33	21.61	5.50	1.60	2549.87	654.58
8.400	50.00	0.	0.	10.90	1980.00	22.52	16.69	22.53	5.44	1.70	3104.02	848.79
8.400	50.00	0.	0.	10.90	3380.00	24.48	17.64	24.49	6.05	2.01	4541.89	1374.22
7.100	1560.00	0.	0.	13.90	785.00	21.44	18.59	21.46	14.84	2.01	1042.01	203.80
7.100	1560.00	0.	0.	13.90	1535.00	22.99	19.34	23.02	15.47	2.38	1735.28	390.23
7.100	1560.00	0.	0.	13.90	1980.00	23.83	19.60	23.86	14.41	2.47	2155.10	521.55
7.100	1560.00	0.	0.	13.90	3380.00	25.78	20.59	25.81	13.70	2.75	3277.63	913.02
6.100	1350.00	0.	0.	13.90	730.00	22.41	18.48	22.42	5.45	1.34	1466.17	312.79
6.100	1350.00	0.	0.	13.90	1430.00	24.09	19.19	24.10	6.45	1.68	2281.27	563.22
6.100	1350.00	0.	0.	13.90	1845.00	24.91	19.52	24.93	6.54	1.80	2734.89	721.28
6.100	1350.00	0.	0.	13.90	3160.00	26.88	20.53	26.89	6.96	2.10	4066.75	1197.73
6.200	100.00	0.	0.	17.60	730.00	22.69	19.73	22.87	66.42	3.43	212.53	89.57
6.200	100.00	0.	0.	17.60	1430.00	24.45	20.92	24.83	102.83	4.99	286.44	141.02
6.200	100.00	0.	0.	17.60	1845.00	25.30	21.54	25.81	120.36	5.73	322.23	168.17
6.200	100.00	0.	0.	17.60	3160.00	27.33	23.21	28.27	175.57	7.75	407.73	237.81
6.300	78.00	31.40	25.60	17.60	730.00	22.76	0.	22.94	63.51	3.39	215.65	91.60
6.300	78.00	31.40	25.60	17.60	1430.00	24.64	0.	25.00	94.53	4.85	294.58	147.08
6.300	78.00	31.40	25.60	17.60	1845.00	26.20	0.	26.61	86.60	5.12	360.12	198.26
6.300	78.00	31.40	25.60	17.60	3160.00	30.65	0.	31.17	75.98	5.78	547.09	362.53

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SECNO	VLCH	ELTRD	FLLC	ELMIN	G	CVSEL	CRWS	EG	10K*S	VCH	AREA	.01K
6.400	50.00	0.	0.	20.90	730.00	25.57	25.57	25.97	412.06	6.69	319.02	35.96
6.400	50.00	0.	0.	20.90	1430.00	26.08	26.06	26.52	495.29	8.13	541.63	64.26
6.400	50.00	0.	0.	20.90	1845.00	27.12	26.25	27.25	136.80	5.08	1071.74	157.74
6.400	50.00	0.	0.	20.90	3160.00	31.39	26.63	31.41	9.99	2.13	3969.32	999.54
5.100	920.00	0.	0.	20.90	730.00	27.69	25.53	27.70	10.54	1.52	1383.99	224.88
5.100	920.00	0.	0.	20.90	1430.00	28.72	26.05	28.74	13.94	1.98	2022.54	382.97
5.100	920.00	0.	0.	20.90	1845.00	29.28	26.24	29.30	14.33	2.13	2390.51	487.46
5.100	920.00	0.	0.	20.90	3160.00	32.92	26.71	32.03	7.00	1.87	4528.84	1193.95
4.100	4395.00	0.	0.	17.60	730.00	29.37	22.81	29.38	2.37	.98	2052.05	474.68
4.100	4395.00	0.	0.	17.60	1430.00	30.94	24.69	30.95	3.10	1.26	3167.28	812.30
4.100	4395.00	0.	0.	17.60	1845.00	31.64	25.33	31.66	3.34	1.37	3737.68	1009.72
4.100	4395.00	0.	0.	17.60	3160.00	33.89	26.54	33.90	3.08	1.50	5827.88	1799.24
4.200	100.00	0.	0.	17.60	730.00	29.43	22.78	29.50	15.07	2.21	330.49	188.06
4.200	100.00	0.	0.	17.60	1430.00	31.03	24.27	31.24	34.79	3.63	394.22	242.45

4.200	100.00	0.	0.	17.60	1845.00	31.76	24.97	32.05	47.27	4.36	423.42	268.37
4.200	100.00	0.	0.	17.60	3160.00	34.02	26.95	34.54	74.33	5.91	765.88	366.52
4.300	12.30	33.00	32.80	17.60	730.00	29.45	0.	29.52	14.98	2.20	331.14	188.60
4.300	12.30	33.00	32.80	17.60	1430.00	31.10	0.	31.30	34.08	3.60	397.08	244.96
4.300	12.30	33.00	32.80	17.60	1845.00	31.85	0.	32.14	45.04	4.32	427.35	271.90
4.300	12.30	33.00	32.80	17.60	3160.00	34.02	0.	34.54	74.28	5.91	766.60	366.65
4.400	50.00	0.	0.	17.60	730.00	29.56	22.81	29.56	2.09	.94	2171.92	505.54
4.400	50.00	0.	0.	17.60	1430.00	31.37	24.68	31.38	2.37	1.14	3509.84	929.80
4.400	50.00	0.	0.	17.60	1845.00	32.24	25.29	32.25	2.39	1.21	4250.99	1194.59
4.400	50.00	0.	0.	17.60	3160.00	34.71	26.43	34.72	2.16	1.31	6693.82	2151.71
40.100	700.00	0.	0.	26.40	475.00	30.46	29.22	30.47	23.78	1.80	871.68	97.41
40.100	700.00	0.	0.	26.40	950.00	31.85	29.58	31.86	11.34	1.55	1857.89	282.10
40.100	700.00	0.	0.	26.40	1240.00	32.62	29.73	32.63	9.43	1.47	2501.51	427.19
40.100	700.00	0.	0.	26.40	2165.00	34.94	30.23	34.94	4.18	1.30	4842.43	1058.98
40.200	100.00	0.	0.	26.40	475.00	31.22	29.53	31.89	194.49	6.57	72.29	34.06
40.200	100.00	0.	0.	26.40	950.00	32.71	31.30	34.28	316.51	10.03	94.68	53.40
40.200	100.00	0.	0.	26.40	1240.00	33.46	32.36	35.59	371.33	11.71	105.90	64.35
40.200	100.00	0.	0.	26.40	2165.00	35.46	35.04	39.40	494.15	15.94	135.79	97.39
40.300	94.00	41.90	33.40	26.40	475.00	31.38	0.	32.01	174.32	6.36	74.71	35.98
40.300	94.00	41.90	33.40	26.40	950.00	34.41	0.	35.38	142.88	7.90	120.20	79.48
40.300	94.00	41.90	33.40	26.40	1240.00	37.08	0.	38.01	93.11	7.73	160.36	128.50
40.300	94.00	41.90	33.40	26.40	2165.00	43.17	0.	43.17	.22	.51	11721.97	4570.42
40.400	50.00	0.	0.	26.40	475.00	32.22	28.01	32.22	2.62	.87	1716.19	293.25
40.400	50.00	0.	0.	26.40	950.00	35.68	28.58	35.68	.82	.66	4127.00	1048.15
40.400	50.00	0.	0.	26.40	1240.00	38.29	28.83	38.29	.40	.54	6375.71	1958.83
40.400	50.00	0.	0.	26.40	2165.00	43.17	29.46	43.17	.22	.51	11722.53	4570.70

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SLCNO	XLCH	ELTRD	ELLC	ELMIN	G	CWSEL	CRWS	EG	1CK+S	VCH	AREA	.01K
3.000	1770.00	0.	0.	29.80	475.00	35.37	33.91	35.40	33.23	2.56	607.11	82.40
3.000	1770.00	0.	0.	29.80	950.00	37.12	34.55	37.13	15.54	2.14	1370.54	240.97
3.000	1770.00	0.	0.	29.80	1240.00	38.87	34.81	38.87	6.14	1.57	2340.91	500.43
3.000	1770.00	0.	0.	29.80	2165.00	43.33	35.27	43.33	1.63	1.08	5574.04	1695.21
2.000	2760.00	0.	0.	36.20	475.00	41.14	38.68	41.15	15.18	1.68	741.10	121.93
2.000	2760.00	0.	0.	36.20	950.00	42.20	39.18	42.23	21.34	2.30	1059.92	205.63
2.000	2760.00	0.	0.	36.20	1240.00	42.79	39.40	42.82	22.41	2.53	1244.51	261.94
2.000	2760.00	0.	0.	36.20	2165.00	45.40	40.01	45.42	13.44	2.49	2144.11	590.54
1.100	2690.00	0.	0.	36.20	360.00	42.37	38.53	42.37	2.66	.83	1111.15	220.80
1.100	2690.00	0.	0.	36.20	730.00	43.88	38.98	43.89	3.60	1.13	1608.21	384.93
1.100	2690.00	0.	0.	36.20	955.00	44.63	39.20	44.63	3.95	1.27	1865.28	480.26
1.100	2690.00	0.	0.	36.20	1690.00	47.04	39.69	47.04	3.87	1.50	2766.08	858.87
1.200	100.00	0.	0.	43.00	360.00	45.13	44.86	45.80	615.69	6.57	54.81	14.51
1.200	100.00	0.	0.	43.00	730.00	46.25	45.92	47.39	584.07	8.58	85.10	30.21
1.200	100.00	0.	0.	43.00	955.00	46.82	46.47	48.22	574.86	9.51	100.46	39.83
1.200	100.00	0.	0.	43.00	1690.00	48.55	48.04	50.60	503.49	11.48	147.23	75.32
1.300	51.00	50.70	48.20	43.00	360.00	48.09	0.	48.20	30.63	2.67	134.83	65.04
1.300	51.00	50.70	48.20	43.00	730.00	51.05	0.	51.20	23.89	3.21	289.11	149.36
1.300	51.00	50.70	48.20	43.00	955.00	51.39	0.	51.61	34.55	3.97	346.11	162.48
1.300	51.00	50.70	48.20	43.00	1690.00	51.77	0.	52.36	86.85	6.50	436.06	181.35
1.400	50.00	0.	0.	43.20	360.00	48.27	45.53	48.28	7.60	1.21	777.43	130.58
1.400	50.00	0.	0.	43.20	730.00	51.23	45.98	51.24	2.90	1.05	1727.68	428.43

1.400 50.00 0. 0. 43.20 955.00 51.66 46.19 51.67 3.87 1.26 1878.47 485.32
 1.400 50.00 0. 0. 43.20 1690.00 52.48 46.72 52.49 7.87 1.92 2173.30 602.47

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SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
9.100	785.00	13.96	0.	0.	0.	102.73	-0.
9.100	1535.00	16.67	2.70	0.	0.	208.82	-0.
9.100	1980.00	18.29	1.60	0.	0.	384.45	-0.
9.100	3380.00	20.70	2.50	0.	0.	515.12	-0.
8.100	785.00	18.57	0.	4.67	0.	424.28	2625.00
8.100	1535.00	20.54	1.97	3.94	0.	497.89	2625.00
8.100	1980.00	21.50	.96	3.30	0.	550.33	2625.00
8.100	3380.00	23.63	2.14	2.93	0.	748.30	2625.00
8.200	785.00	18.84	0.	.27	0.	58.52	100.00
8.200	1535.00	20.81	1.98	.27	0.	188.46	100.00
8.200	1980.00	21.75	.94	.26	0.	243.18	100.00
8.200	3380.00	23.86	2.11	.23	0.	395.87	100.00
8.300	785.00	19.88	0.	1.05	0.	131.82	10.00
8.300	1535.00	20.82	.93	.00	0.	189.24	10.00
8.300	1980.00	21.76	.94	.00	0.	243.65	10.00
8.300	3380.00	23.85	2.11	.00	0.	396.09	10.00
8.400	785.00	20.22	0.	.34	0.	486.11	50.00
8.400	1535.00	21.67	1.36	.78	0.	560.35	50.00
8.400	1980.00	22.52	.92	.77	0.	645.46	50.00
8.400	3380.00	24.48	1.95	.61	0.	821.38	50.00
7.100	785.00	21.44	0.	1.22	0.	419.83	1560.00
7.100	1535.00	22.99	1.55	1.39	0.	477.40	1560.00
7.100	1980.00	23.87	.84	1.31	0.	509.10	1560.00
7.100	3380.00	25.75	1.94	1.30	0.	667.47	1560.00
6.100	730.00	22.41	0.	.97	0.	455.91	1350.00
6.100	1430.00	24.05	1.67	1.10	0.	518.25	1350.00
6.100	1845.00	24.91	.82	1.08	0.	587.17	1350.00
6.100	3160.00	26.86	1.96	1.10	0.	769.42	1350.00
6.200	730.00	22.64	0.	.27	0.	42.00	100.00
6.200	1430.00	24.45	1.76	.36	0.	42.00	100.00
6.200	1845.00	25.30	.85	.30	0.	42.00	100.00
6.200	3160.00	27.35	2.10	.46	0.	42.00	100.00
6.300	730.00	22.76	0.	.07	0.	42.00	78.00
6.300	1430.00	24.64	1.88	.19	0.	42.00	78.00
6.300	1845.00	26.20	1.55	.90	0.	42.00	78.00
6.300	3160.00	28.65	4.45	3.31	0.	42.00	78.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
6.400	730.00	25.57	0.	2.81	0.	396.40	50.00

SECNO	C	CASL	DIFSP	DIFHSX	DIFKAS	TOPWD	XLCH
6.400	1430.00	26.06	.50	1.44	0.	471.25	50.00
6.400	1845.00	27.12	1.05	.93	0.	540.61	50.00
6.400	2160.00	31.39	4.27	.74	0.	642.72	50.00
5.100	730.00	27.69	0.	2.12	0.	577.58	920.00
5.100	1430.00	28.72	1.04	2.65	0.	644.33	920.00
5.100	1845.00	29.28	.55	2.15	0.	671.07	920.00
5.100	3160.00	32.02	2.74	.63	0.	937.81	920.00
4.100	730.00	29.37	0.	1.69	0.	632.14	4395.00
4.100	1430.00	30.94	1.57	2.22	0.	778.42	4395.00
4.100	1845.00	31.64	.70	2.37	0.	837.26	4395.00
4.100	3160.00	33.89	2.25	1.87	0.	1024.38	4395.00
4.200	730.00	29.43	0.	.05	0.	40.00	100.00
4.200	1430.00	31.03	1.61	.09	0.	40.00	100.00
4.200	1845.00	31.76	.72	.11	0.	40.00	100.00
4.200	3160.00	34.02	2.27	.13	0.	450.16	100.00
4.300	730.00	29.45	0.	.02	0.	40.00	12.30
4.300	1430.00	31.11	1.65	.06	0.	40.00	12.30
4.300	1845.00	31.85	.75	.10	0.	40.00	12.30
4.300	3160.00	34.02	2.17	.00	0.	450.31	12.30
4.400	730.00	29.56	0.	.11	0.	652.24	50.00
4.400	1430.00	31.37	1.81	.27	0.	814.26	50.00
4.400	1845.00	32.24	.87	.39	0.	886.88	50.00
4.400	3160.00	34.71	2.47	.69	0.	1092.56	50.00
4.0.100	475.00	30.46	0.	.99	0.	624.97	700.00
4.0.100	950.00	31.85	1.39	.48	0.	788.03	700.00
4.0.100	1240.00	32.62	.77	.38	0.	878.28	700.00
4.0.100	2165.00	34.94	2.31	.23	0.	1148.17	700.00
4.0.200	475.00	31.22	0.	.76	0.	15.00	100.00
4.0.200	950.00	32.71	1.49	.86	0.	15.00	100.00
4.0.200	1240.00	33.46	.75	.84	0.	15.00	100.00
4.0.200	2165.00	35.44	2.00	.52	0.	15.00	100.00
4.0.300	475.00	31.35	0.	.16	0.	15.00	94.00
4.0.300	950.00	34.41	3.03	1.70	0.	15.00	94.00
4.0.300	1240.00	37.08	2.67	3.62	0.	15.00	94.00
4.0.300	2165.00	43.17	6.03	7.71	0.	1287.86	94.00
4.0.400	475.00	32.22	0.	.84	0.	574.86	50.00
4.0.400	950.00	35.68	3.46	1.27	0.	792.13	50.00
4.0.400	1240.00	38.29	2.61	1.21	0.	930.57	50.00
4.0.400	2165.00	43.17	4.88	.00	0.	1287.91	50.00

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SECNO	C	CASL	DIFSP	DIFHSX	DIFKAS	TOPWD	XLCH
3.000	475.00	35.37	0.	3.15	0.	367.14	1770.00
3.000	950.00	37.12	1.75	1.44	0.	496.25	1770.00
3.000	1240.00	38.67	1.75	.57	0.	606.13	1770.00
3.000	2165.00	43.33	4.47	.16	0.	855.88	1770.00
2.000	475.00	41.14	0.	5.77	0.	286.94	2760.00
2.000	950.00	42.20	1.06	5.09	0.	311.82	2760.00
2.000	1240.00	42.79	.59	3.93	0.	321.85	2760.00
2.000	2165.00	45.42	2.61	2.07	0.	366.81	2760.00
1.100	3360.00	02.37	0.	1.21	0.	314.63	2600.00

1.100	730.00	43.88	1.51	1.68	0.	340.74	2600.00
1.100	955.00	44.63	.74	1.83	0.	353.48	2600.00
1.100	1690.00	47.04	2.41	1.64	0.	394.91	2600.00
1.200	360.00	45.13	0.	2.76	0.	27.00	100.00
1.200	730.00	46.25	1.12	2.37	0.	27.00	100.00
1.200	955.00	46.82	.57	2.20	0.	27.00	100.00
1.200	1690.00	48.55	1.73	1.52	0.	27.00	100.00
1.300	360.00	48.09	0.	2.97	0.	27.00	51.00
1.300	730.00	51.05	2.95	4.80	0.	132.45	51.00
1.300	955.00	51.39	.34	4.56	0.	197.29	51.00
1.300	1690.00	51.77	.39	3.22	0.	252.66	51.00
1.400	360.00	48.27	0.	.18	0.	290.38	50.00
1.400	730.00	51.23	2.96	.19	0.	346.72	50.00
1.400	955.00	51.66	.43	.28	0.	354.12	50.00
1.400	1690.00	52.48	.82	.71	0.	368.17	50.00

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SUMMARY OF ERRORS

CAUTION SECNO= 8.300 PROFILE= 1 HYDRAULIC JUMP D.S.
 CAUTION SECNO= 9.300 PROFILE= 2 HYDRAULIC JUMP D.S.
 CAUTION SECNO= 8.300 PROFILE= 3 HYDRAULIC JUMP D.S.
 CAUTION SECNO= 6.400 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 6.400 PROFILE= 1 MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 40.300 PROFILE= 3 HYDRAULIC JUMP D.S.
 CAUTION SECNO= 40.300 PROFILE= 4 HYDRAULIC JUMP D.S.
 CAUTION SECNO= 1.300 PROFILE= 1 HYDRAULIC JUMP D.S.

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FLOODWAY DATA, AR
 PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION DIFFERENCE		
				WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
9.100	209.	775.	2.0	16.6	13.9	2.7
8.100	498.	1995.	.0	20.6	18.6	2.0
8.200	188.	473.	3.2	20.8	18.8	2.0
8.300	109.	476.	3.2	20.8	19.9	.9
8.400	500.	255.	.6	21.6	20.2	1.4
7.100	477.	1735.	.9	22.9	21.4	1.5
6.100	510.	2251.	.6	24.1	22.4	1.7
6.200	42.	286.	5.0	24.5	22.7	1.8
6.300	42.	295.	4.9	24.7	22.8	1.9
6.400	471.	542.	2.6	26.1	25.6	.5
5.100	644.	2023.	.7	28.7	27.7	1.0
4.100	778.	3157.	.5	31.0	29.4	1.6

4.200	40.	394.	3.6	31.0	29.4	1.6
4.300	40.	397.	3.6	31.0	29.4	1.6
4.400	814.	3510.	.4	31.4	29.6	1.8
40.100	788.	1858.	.5	31.9	30.5	1.4
40.200	15.	95.	10.0	32.7	31.2	1.5
40.300	15.	120.	7.9	34.4	31.4	3.0
40.400	792.	4127.	.2	35.7	32.2	3.5
3.000	496.	1371.	.7	37.1	35.4	1.7
2.000	312.	1060.	.9	42.2	41.1	1.1
1.100	341.	1608.	.5	43.9	42.4	1.5
1.200	27.	95.	8.6	46.2	45.1	1.1
1.300	132.	289.	2.5	51.1	48.1	3.0
1.400	347.	1728.	.4	51.3	48.3	3.0

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FLOODWAY DATA, AR
PROFILE NO. 3

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE
				WITH FLOODWAY	WITHOUT FLOODWAY	
9.100	384.	1304.	1.5	18.2	13.9	4.3
8.100	550.	2490.	.8	21.5	18.6	2.9
8.200	243.	676.	2.9	21.7	18.8	2.9
8.300	244.	678.	2.9	21.8	19.9	1.9
8.400	645.	3104.	.6	22.5	20.2	2.3
7.100	509.	2155.	.9	23.8	21.4	2.4
6.100	587.	2735.	.7	24.9	22.4	2.5
6.200	42.	322.	5.7	25.3	22.7	2.6
6.300	42.	360.	5.1	26.2	22.8	3.4
6.400	541.	1072.	1.7	27.2	25.6	1.6
5.100	671.	2391.	.8	29.3	27.7	1.6
4.100	837.	3730.	.5	31.7	29.4	2.3
4.200	40.	423.	4.4	31.7	29.4	2.3
4.300	40.	427.	4.3	31.8	29.4	2.4
4.400	867.	4251.	.4	32.3	29.6	2.7
40.100	878.	2502.	.5	32.7	30.5	2.2
40.200	15.	106.	11.7	33.4	31.2	2.2
40.300	15.	163.	7.7	37.1	31.4	5.7
40.400	931.	6376.	.2	38.3	32.2	6.1
3.000	606.	2341.	.5	38.9	35.4	3.5
2.000	322.	1245.	1.3	42.7	41.1	1.6
1.100	353.	1865.	.5	44.7	42.4	2.3
1.200	27.	100.	9.5	46.8	45.1	1.7
1.300	197.	346.	2.8	51.4	48.1	3.3
1.400	354.	1878.	.5	51.7	48.3	3.4

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FLOODWAY DATA, AR
PROFILE NO. 4

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE
				WITH FLOODWAY	WITHOUT FLOODWAY	

9.100	515.	2430.	1.4	20.7	13.9	6.8
8.100	746.	3378.	.9	23.7	18.6	5.1
8.200	3.	1350.	2.5	23.8	18.8	5.0
8.300	396.	1351.	2.5	23.9	19.9	4.0
8.400	821.	4542.	.7	24.5	20.2	4.3
7.100	667.	3278.	1.0	25.7	21.4	4.3
6.100	769.	4067.	.8	26.9	22.4	4.5
6.200	42.	438.	7.8	27.3	22.7	4.6
6.300	42.	547.	5.8	30.7	22.8	7.9
6.400	843.	3969.	.8	31.4	25.6	5.8
5.100	938.	4529.	.7	32.7	27.7	4.3
4.100	1024.	5828.	.5	33.9	29.4	4.5
4.200	450.	766.	4.1	34.0	29.4	4.6
4.300	450.	767.	4.1	34.0	29.4	4.6
4.400	1093.	6694.	.5	34.8	29.6	5.2
40.100	1148.	4842.	.4	35.0	30.5	4.5
40.200	15.	136.	15.9	35.4	31.2	4.2
40.300	1288.	11722.	.2	43.2	31.4	11.8
40.400	1288.	11723.	.2	43.2	32.2	11.0
3.000	856.	5574.	.4	43.4	35.4	8.0
2.000	367.	2144.	1.0	45.4	41.1	4.3
1.100	395.	2766.	.6	47.1	42.4	4.7
1.200	27.	147.	11.5	48.5	45.1	3.4
1.300	253.	436.	3.9	51.8	48.1	3.7
1.400	368.	2173.	.8	52.5	48.3	4.2

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FLOOD INSURANCE ZONE DATA FOR AR

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10	2	0.2
7.100	0.	-4.30	-1.60	2.50
8.100	2625.	-2.93	-.94	2.14
8.200	2725.	-2.92	-.94	2.11
8.300	2735.	-1.87	-.94	2.11
8.400	2785.	-2.30	-.92	1.96
7.100	4345.	-2.39	-.94	1.94
6.100	5595.	-2.50	-.92	1.96
5.200	5795.	-2.81	-.85	2.04
5.300	5873.	-3.44	-1.56	4.45
6.400	5923.	-1.55	-1.05	4.27
5.100	6843.	-1.59	-.55	2.74
4.100	11238.	-2.27	-.74	2.25
4.200	11338.	-2.33	-.72	2.27
4.300	11350.	-2.41	-.76	2.17
4.400	11400.	-2.69	-.87	2.47
40.100	12100.	-2.17	-.77	2.31
40.200	12200.	-2.24	-.75	2.00
40.300	12294.	-5.70	-2.67	6.39
40.400	12344.	-5.07	-2.61	4.88
3.000	14114.	-3.44	-1.75	4.47
2.000	15874.	-1.65	-.59	2.61
1.100	19474.	-2.25	-.74	2.41
1.200	19574.	-1.69	-.57	1.73
1.300	19625.	-3.29	-.34	.39
1.400	19675.	-3.40	-.43	.82

WEIGHTED AVG FOR REACH -2.62 -1.00 2.76

THIS RUN EXECUTED 13 OCT 81 16.26.44

 HEC2 RELEASE DATED NOV 76 UPDATED APR 1980
 ERROR CORR - 01.02.03.04
 MODIFICATION - 50.51.52.53.54

FINAL FLOODWAY!
 12/11/81
 H.

T1 LEWIS CREEK
 T2 NORTH CAROLINA FLOOD INSURANCE STUDY
 T3 100 YEAR

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-0.	4.	-0.	-0.	-0.	-0.	-0.	-0.	18.200	-0.
J2	NPROF	LPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	-0.	-0.	-1.000	-0.	-0.	-0.	-1.000	-0.	-0.	-0.
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	150.000	201.000	110.000	200.000	-0.	-0.	-0.	-0.	-0.	-0.
J5	LPRNT	NUNSEC	*****REQUESTED SECTION NUMBERS*****							
	-10.000	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
J6	IHLEG	ICOPY								
	1.000	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
NC	.200	.200	.090	.100	.300	-0.	-0.	-0.	-0.	-0.
JT	5.000	785.000	1535.000	1980.000	3380.000	1980.000	-0.	-0.	-0.	-0.
ET	-0.	-0.	-0.	-0.	-0.	8.400	-0.	-0.	-0.	-0.
X1	9.100	18.000	395.000	425.000	-0.	-0.	-0.	-0.	-0.	-0.
GR	37.300	0.	37.300	0.	34.600	25.000	21.200	125.000	17.000	225.000
GR	16.600	325.000	10.600	395.000	5.040	410.000	4.300	414.000	4.800	419.000
GR	8.800	425.000	9.900	440.000	15.100	465.000	16.300	525.000	19.700	625.000
GR	23.400	725.000	22.600	825.000	23.000	900.000	-0.	-0.	-0.	-0.
X1	8.100	16.000	855.000	875.000	2200.000	2700.000	2625.000	-0.	-0.	-0.
X4	2.000	24.000	300.000	21.300	450.000	-0.	-0.	-0.	-0.	-0.
GR	30.000	-0.	17.300	575.000	17.300	675.000	17.300	718.000	14.500	775.000
GR	15.500	855.000	11.280	860.000	10.900	864.000	11.280	866.000	11.700	869.000
GR	14.200	875.000	14.100	933.000	21.100	975.000	23.800	1075.000	26.800	1175.000
GR	27.800	1275.000	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
NC	-0.	-0.	.090	.300	.500	-0.	-0.	-0.	-0.	-0.

X1	8.200	14.000	397.830	411.830	100.000	100.000	100.000	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	17.850	17.850	-0.
X4	2.000	18.500	387.000	13.700	387.000	-0.	-0.	-0.	-0.	-0.

GR	29.700	0.	29.000	25.000	26.900	125.000	23.800	225.000	20.100	325.000
GR	11.200	397.830	11.200	411.830	13.800	417.000	18.500	421.000	18.500	422.000
GR	21.800	525.000	24.000	625.000	27.000	725.000	30.000	825.000	-0.	-0.
SB	1.000	2.030	3.100	-0.	10.000	1.000	43.000	.510	13.400	13.400

X1	8.300	0.	0.	0.	10.000	10.000	10.000	-0.	-0.	-0.
X2	-0.	-0.	1.000	17.300	18.400	-0.	-0.	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	18.400	18.400	-0.
BT	13.000	0.	29.700	-0.	25.000	29.000	-0.	125.000	26.900	-0.
BT	225.000	23.800	-0.	325.000	20.100	-0.	387.000	18.500	-0.	393.000
BT	18.400	0.	407.000	18.400	0.	425.000	18.500	0.	525.000	21.800
BT	-0.	625.000	24.000	-0.	725.000	27.000	0.	825.000	30.000	-0.

X1	8.400	16.000	855.000	875.000	50.000	50.000	50.000	-0.	-0.	-0.
X4	2.000	24.000	300.000	21.300	450.000	-0.	-0.	-0.	-0.	-0.
GR	30.000	-0.	17.300	575.000	17.300	675.000	17.300	718.000	14.500	775.000
GR	15.500	855.000	11.280	860.000	10.900	864.000	11.280	866.000	11.700	869.000
GR	14.200	875.000	14.100	933.000	21.100	975.000	23.800	1075.000	26.800	1175.000
GR	27.800	1275.000	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
NC	-0.	-0.	.090	.100	.300	-0.	-0.	-0.	-0.	-0.

X1	7.100	17.000	780.000	800.000	1350.000	1100.000	1560.000	-0.	-0.	-0.
GR	30.000	-0.	24.300	375.000	20.300	500.000	20.300	600.000	20.300	643.000
GR	17.500	700.000	18.300	780.000	14.300	785.000	13.900	789.000	14.300	791.000
GR	14.700	794.000	17.200	800.000	17.100	858.000	24.100	900.000	27.800	1000.000
GR	29.800	1100.000	30.600	1200.000	-0.	-0.	-0.	-0.	-0.	-0.
BT	5.000	730.000	1430.000	1845.000	3160.000	1845.000	-0.	-0.	-0.	-0.

X1	6.100	17.000	780.000	800.000	1140.000	1140.000	1350.000	-0.	-0.	-0.
GR	30.000	-0.	24.300	375.000	20.300	500.000	20.300	600.000	20.300	643.000
GR	17.500	700.000	18.300	780.000	14.300	785.000	13.900	789.000	14.300	791.000
GR	14.700	794.000	17.200	800.000	17.100	858.000	24.100	900.000	27.800	1000.000
GR	29.800	1100.000	30.600	1200.000	-0.	-0.	-0.	-0.	-0.	-0.
NC	-0.	-0.	.090	.300	.500	-0.	-0.	-0.	-0.	-0.

X1	6.200	15.000	405.200	449.000	100.000	100.000	100.000	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	28.500	28.500	-0.
GR	32.840	0.	32.000	50.000	31.380	150.000	31.290	250.000	31.400	350.000
GR	31.420	405.200	31.420	407.000	17.650	407.000	17.600	449.000	31.400	449.000
GR	31.390	450.000	31.300	550.000	31.530	650.000	31.900	750.000	33.180	850.000
SB	1.000	1.620	2.800	-0.	38.000	9.000	256.000	.380	17.580	17.580

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X1	6.300	0.	0.	0.	78.000	78.000	78.000	-0.	-0.	-0.
X2	-0.	-0.	1.000	25.600	31.400	-0.	-0.	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	31.290	31.300	-0.
BT	13.000	0.	32.840	-0.	50.000	32.000	0.	150.000	31.380	-0.
BT	250.000	31.290	0.	350.000	31.400	0.	405.000	31.400	0.	405.200
BT	31.400	0.	449.000	31.400	0.	450.000	31.400	0.	550.000	31.300
BT	-0.	650.000	31.530	0.	750.000	31.900	-0.	850.000	33.180	-0.

X1	6.400	14.000	705.000	725.000	50.000	50.000	50.000	-0.	-0.	-0.
GR	36.000	-0.	28.600	275.000	25.900	425.000	24.800	625.000	24.600	705.000
GR	22.400	711.000	20.900	716.000	22.400	721.000	24.500	725.000	24.700	825.000
GR	25.000	875.000	29.700	925.000	31.600	1025.000	32.300	1125.000	-0.	-0.
NC	-0.	-0.	.090	.100	.300	-0.	-0.	-0.	-0.	-0.

X1	40.400	0.	0.	0.	50.000	50.000	50.000	-0.	-0.	-0.
NC	-0.	-0.	.090	.100	.300	-0.	-0.	-0.	-0.	-0.

X1	3.000	21.000	658.000	666.700	1770.000	1770.000	1770.000	-0.	-0.	-0.
GR	48.000	0.	42.000	200.000	40.900	225.000	38.600	275.000	36.200	375.000
GR	34.500	475.000	33.200	575.000	32.600	653.000	31.300	653.000	31.300	658.000
GR	30.000	660.200	29.800	651.700	30.000	664.000	32.000	666.700	32.000	674.700
GR	33.200	674.700	34.600	773.000	38.800	873.000	42.100	973.000	45.300	1073.000
GR	48.000	1650.000	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
ET	-0.	-0.	-0.	-0.	-0.	8.400	-0.	-0.	-0.	-0.

X1	2.000	15.000	438.000	450.000	2760.000	2760.000	2760.000	-0.	-0.	-0.
GR	54.400	0.	54.300	50.000	54.600	150.000	51.200	250.000	52.200	303.000
GR	40.600	350.000	37.500	438.000	36.960	439.000	36.200	444.000	36.700	447.000
GR	37.800	450.000	37.500	550.000	41.800	650.000	49.400	750.000	50.300	850.000
QT	5.000	360.000	730.000	955.000	1690.000	955.000	-0.	-0.	-0.	-0.

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X1	1.100	-0.	-0.	-0.	2710.000	2710.000	2600.000	-0.	-0.	-0.
NC	-0.	-0.	.090	.300	.500	-0.	-0.	-0.	-0.	-0.
ET	-0.	-0.	-0.	-0.	-0.	9.400	-0.	-0.	-0.	-0.

X1	1.200	13.000	425.500	452.500	100.000	100.000	100.000	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	49.400	49.400	-0.
X4	2.000	51.600	350.000	50.600	457.000	-0.	-0.	-0.	-0.	-0.
GR	60.000	0.	60.000	1.000	58.700	50.000	56.500	150.000	53.900	250.000
GR	50.700	421.000	43.200	421.000	43.200	425.500	43.000	452.500	51.200	550.000
GR	52.500	650.000	54.200	750.000	56.100	850.000	-0.	-0.	-0.	-0.
S3	1.000	2.590	3.000	-0.	22.900	1.000	58.900	.830	45.700	45.700

X1	1.300	0.	0.	0.	51.000	51.000	51.000	-0.	-0.	-0.
X2	-0.	-0.	1.000	48.200	50.700	-0.	-0.	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	50.700	50.700	-0.
BT	13.000	0.	60.000	-0.	50.000	58.700	-0.	150.000	56.500	-0.
BT	250.000	53.900	0.	350.000	51.600	0.	421.000	50.700	0.	427.750
BT	50.700	0.	450.250	50.700	0.	451.000	50.700	0.	550.000	51.200
BT	-0.	650.000	52.500	-0.	750.000	54.200	0.	850.000	56.100	-0.
NC	-0.	-0.	.090	.100	.300	-0.	-0.	-0.	-0.	-0.

X1	1.400	15.000	438.000	450.000	50.000	50.000	50.000	-0.	7.000	-0.
GR	54.400	0.	54.300	50.000	54.600	150.000	51.200	250.000	52.200	303.000
GR	40.600	350.000	37.500	438.000	36.960	439.000	36.200	444.000	36.700	447.000
GR	37.800	450.000	37.500	550.000	41.800	650.000	49.400	750.000	50.300	850.000
EJ	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.

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I-LEO = 1. THEREFORE FRICTION LOSS (HL) IS CALCULATED AS A FUNCTION OF PROFILE TYPE, WHICH CAN VARY FROM REACH TO REACH. SEE DOCUMENTATION FOR DETAILS.

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 HEC2 RELEASE DATED NOV 76 UPDATED APR 1980
 ERROR CORR - 01,02,03,04
 MODIFICATION - 50,51,52,53,54

T1 LEWIS CREEK
 T2 NORTH CAROLINA FLOOD INSURANCE STUDY
 T3 FLOODWAY

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-0.	6.	-0.	-0.	-0.	-0.	-0.	-0.	19.000	-0.
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	-0.	-1.000	-0.	-0.	-0.	-1.000	-0.	-0.	-0.

INLEQ = 1. THEREFORE FRICTION LOSS (HL) IS CALCULATED AS A FUNCTION OF PROFILE TYPE, WHICH CAN VARY FROM REACH TO REACH. SEE DOCUMENTATION FOR DETAILS.

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 HEC2 RELEASE DATED NOV 76 UPDATED APR 1980
 ERROR CORR - 01,02,03,04
 MODIFICATION - 50,51,52,53,54

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

EAR

SSTA ENST

SUMMARY PRINTOUT TABLE 110

SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	OCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
9.100	18.20	0.	18.32	384.45	345.61	1203.01	431.39	0.	0.	395.00	425.00	-0.
9.100	19.00	.80	19.14	106.60	286.28	1341.14	352.58	.18	353.81	395.00	425.00	460.41
8.100	21.50	0.	21.51	550.33	1122.53	390.47	467.00	0.	0.	855.00	875.00	0.
8.100	22.29	.80	22.32	328.85	1211.46	447.80	320.74	.21	592.97	855.00	875.00	921.83
8.200	21.75	0.	22.32	243.18	476.37	1151.02	352.61	0.	0.	397.83	411.83	0.
8.200	22.49	.73	23.22	62.22	402.54	1310.69	266.77	.22	368.21	397.83	411.83	430.43
* 8.300	21.76	0.	22.32	243.65	477.02	1149.77	353.20	0.	0.	397.83	411.83	0.
* 8.300	22.49	.73	23.22	62.84	403.75	1308.00	268.24	.22	367.89	397.83	411.83	430.73
8.400	22.52	0.	22.53	645.46	1177.54	347.65	454.81	0.	0.	855.00	875.00	0.
8.400	23.47	.95	23.48	356.79	1261.59	391.49	326.92	.19	570.73	855.00	875.00	927.52

7.100	23.83	0.	23.86	509.10	1082.74	422.89	474.37	0.	0.	780.00	800.00	0.
7.100	24.73	.90	24.77	307.81	1176.82	485.51	317.67	.22	535.26	780.00	800.00	844.08
6.100	24.91	0.	24.93	587.17	1071.65	346.66	426.69	0.	0.	780.00	800.00	0.
6.100	25.78	.87	25.80	342.29	1154.90	393.59	296.51	.20	506.50	780.00	800.00	848.79
6.200	25.30	0.	25.81	42.00	0.	1845.00	0.	0.	0.	405.20	449.00	0.
6.200	26.06	.76	26.48	42.00	0.	1845.00	0.	0.	405.20	405.20	449.00	449.00
6.300	26.20	0.	26.61	42.00	0.	1845.00	0.	0.	0.	405.20	449.00	0.
6.300	26.96	.76	27.31	42.00	0.	1845.00	0.	0.	405.20	405.20	449.00	449.00
6.400	27.12	0.	27.25	540.61	782.18	463.58	599.24	0.	0.	705.00	725.00	0.
6.400	27.69	.57	27.93	231.81	826.39	628.20	390.41	.39	555.35	705.00	725.00	787.16
5.100	29.28	0.	29.30	671.07	975.68	286.42	582.90	0.	0.	705.00	725.00	0.
5.100	30.04	.76	30.06	378.05	1045.65	345.82	453.54	.26	445.11	705.00	725.00	823.16

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SECNO	CWSEL	DIFKWS	EG	TOPWID	GLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
4.100	31.64	0.	31.66	837.26	51.22	576.09	1217.70	0.	0.	1300.00	1340.00	0.
4.100	32.49	.65	32.51	355.82	0.	616.35	1228.65	.20	1300.00	1300.00	1340.00	1655.82
4.200	31.76	0.	32.05	40.00	0.	1845.00	0.	0.	0.	1359.00	1399.00	0.
4.200	32.58	.83	32.84	40.00	0.	1845.00	0.	0.	1359.00	1359.00	1399.00	1399.00
4.300	31.85	0.	32.14	40.00	0.	1845.00	0.	0.	0.	1359.00	1399.00	0.
4.300	32.45	.60	32.84	40.00	0.	1845.00	0.	0.	0.	1359.00	1399.00	0.
4.400	32.24	0.	32.25	886.88	62.08	533.93	1248.99	0.	0.	1300.00	1340.00	0.
4.400	32.93	.68	32.93	436.41	0.	548.08	1296.92	.15	1300.00	1300.00	1340.00	1736.41
40.100	32.62	0.	32.63	878.28	288.03	126.73	825.23	0.	0.	1243.00	1258.00	0.
40.100	33.19	.57	33.20	944.23	302.31	114.35	823.34	0.	0.	1243.00	1258.00	0.
40.200	33.46	0.	35.59	15.00	0.	1240.00	0.	0.	0.	1243.00	1258.00	0.
40.200	33.83	.37	35.75	15.00	0.	1240.00	0.	0.	0.	1243.00	1258.00	0.
40.300	37.08	0.	38.01	15.00	0.	1240.00	0.	0.	0.	1243.00	1258.00	0.
40.300	37.52	.44	38.38	15.00	0.	1240.00	0.	0.	0.	1243.00	1258.00	0.
40.400	38.29	0.	38.29	930.57	788.96	97.13	353.91	0.	0.	1243.00	1258.00	0.
40.400	38.64	.35	38.64	948.91	789.59	94.97	355.43	0.	0.	1243.00	1258.00	0.
3.000	38.87	0.	38.87	606.13	761.86	115.57	362.57	0.	0.	658.00	666.70	0.
3.000	39.12	.25	39.13	618.90	763.08	110.98	365.93	0.	0.	658.00	666.70	0.
2.000	42.79	0.	42.82	321.85	281.97	182.41	775.62	0.	0.	438.00	450.00	0.
2.000	43.37	.57	43.41	170.64	183.10	228.08	828.81	.25	404.91	438.00	450.00	575.55
1.100	44.63	0.	44.63	353.48	235.41	119.49	600.10	0.	0.	438.00	450.00	0.
1.100	45.32	.69	45.32	218.56	184.46	140.55	630.00	.19	385.39	438.00	450.00	603.96
1.200	46.82	0.	48.22	27.00	0.	955.00	0.	0.	0.	425.50	452.50	0.
1.200	47.23	.41	48.37	27.00	0.	955.00	0.	0.	425.50	425.50	452.50	452.50
1.300	51.39	0.	51.61	197.29	37.93	888.92	28.15	0.	0.	425.50	452.50	0.
1.300	51.80	.41	52.05	27.00	0.	955.00	0.	.15	425.50	425.50	452.50	452.50
1.400	51.66	0.	51.67	354.12	235.66	119.18	600.16	0.	0.	438.00	450.00	0.
1.400	52.11	.45	52.12	212.01	177.35	144.16	633.49	.21	388.74	438.00	450.00	600.74

MAP the same for 100-year flood!

EAR

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	O	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01K
9.100	-0.	0.	0.	4.30	1980.00	18.20	11.81	18.32	18.69	3.47	1303.95	457.97
9.100	-0.	0.	0.	4.30	1980.00	19.00	11.81	18.14	18.58	3.62	930.90	459.32
8.100	2625.00	0.	0.	10.90	1980.00	21.50	16.74	21.51	9.77	2.12	2489.79	633.61
8.100	2625.00	0.	0.	10.90	1980.00	22.29	16.85	22.32	9.73	2.24	2153.50	634.80
8.200	100.00	0.	0.	11.20	1980.00	21.75	17.89	22.32	96.18	7.79	676.03	201.89
8.200	100.00	0.	0.	11.20	1980.00	22.49	17.95	23.22	99.67	8.29	450.49	198.33
8.300	10.00	18.40	17.30	11.20	1980.00	21.76	0.	22.32	95.73	7.78	678.00	202.37
8.300	10.00	999999.00	0.	11.20	1980.00	22.49	18.40	23.22	99.18	8.28	452.93	198.82
8.400	50.00	0.	0.	10.90	1980.00	22.52	16.69	22.53	5.44	1.70	3104.02	848.79
8.400	50.00	0.	0.	10.90	1980.00	23.47	16.71	23.48	5.14	1.75	2729.56	873.45
7.100	1560.00	0.	0.	13.90	1980.00	23.83	19.60	23.86	14.41	2.47	2155.10	521.55
7.100	1560.00	0.	0.	13.90	1980.00	24.73	19.84	24.77	13.69	2.57	1873.48	535.16
6.100	1350.00	0.	0.	13.90	1845.00	24.91	19.52	24.93	6.54	1.80	2734.89	721.28
6.100	1350.00	0.	0.	13.90	1845.00	25.78	19.65	25.80	6.33	1.87	2401.12	733.28
6.200	100.00	0.	0.	17.60	1845.00	25.30	21.54	25.81	120.36	5.73	322.23	168.17
6.200	100.00	0.	0.	17.60	1845.00	26.06	21.53	26.48	90.82	5.21	354.35	193.61
6.300	78.00	31.40	25.60	17.60	1845.00	26.20	0.	26.61	86.60	5.12	360.12	198.26
6.300	78.00	999999.00	0.	17.60	1845.00	26.96	21.52	27.31	67.44	4.71	392.13	224.66
6.400	50.00	0.	0.	20.90	1845.00	27.12	26.25	27.25	136.80	5.08	1071.74	157.74
6.400	50.00	0.	0.	20.90	1845.00	27.69	26.45	27.93	169.82	6.13	724.64	141.58
5.100	920.00	0.	0.	20.90	1845.00	29.28	26.24	29.30	14.33	2.13	2390.51	487.46
5.100	920.00	0.	0.	20.90	1845.00	30.04	26.34	30.06	14.67	2.31	1963.19	481.70
4.100	4395.00	0.	0.	17.60	1845.00	31.64	25.33	31.66	3.34	1.37	3737.68	1009.72
4.100	4395.00	0.	0.	17.60	1845.00	32.49	25.28	32.51	3.46	1.36	2809.43	991.95
4.200	100.00	0.	0.	17.60	1845.00	31.76	24.97	32.05	47.27	4.36	423.42	268.37
4.200	100.00	0.	0.	17.60	1845.00	32.58	24.96	32.84	38.23	4.04	456.51	298.41
4.300	12.30	33.00	32.80	17.60	1845.00	31.85	0.	32.14	46.04	4.32	427.35	271.90
4.300	12.30	33.00	32.80	17.60	1845.00	32.45	0.	32.84	39.47	4.09	451.35	293.68
4.400	50.00	0.	0.	17.60	1845.00	32.24	25.29	32.25	2.39	1.21	4250.99	1194.59
4.400	50.00	0.	0.	17.60	1845.00	32.93	25.28	32.93	2.44	1.17	3423.24	1180.13
40.100	700.00	0.	0.	26.40	1240.00	32.62	29.73	32.63	8.43	1.47	2501.51	427.19
40.100	700.00	0.	0.	26.40	1240.00	33.19	29.79	33.20	5.02	1.21	3016.00	553.50

SECNO	XLCH	ELTRD	ELLC	ELMIN	O	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01K
40.200	100.00	0.	0.	26.40	1240.00	33.46	32.36	35.59	371.33	11.71	105.90	64.35

40.200	100.00	0.	0.	26.40	1240.00	33.83	32.35	35.75	314.09	11.14	111.35	69.97
40.300	94.00	41.90	33.40	26.40	1240.00	37.08	0.	38.01	93.11	7.73	160.36	128.50
40.300	94.00	41.90	33.40	26.40	1240.00	37.52	0.	38.38	81.82	7.44	166.71	137.09
40.400	50.00	0.	0.	26.40	1240.00	38.29	28.83	38.29	.40	.54	6375.71	1958.83
40.400	50.00	0.	0.	26.40	1240.00	38.64	28.83	38.64	.35	.52	6700.67	2101.30
3.000	1770.00	0.	0.	29.80	1240.00	38.87	34.81	38.87	6.14	1.57	2340.91	500.43
3.000	1770.00	0.	0.	29.80	1240.00	39.12	34.81	39.13	5.15	1.47	2491.26	546.59
2.000	2760.00	0.	0.	36.20	1240.00	42.79	39.40	42.82	22.41	2.53	1244.51	261.94
2.000	2760.00	0.	0.	36.20	1240.00	43.37	39.40	43.41	25.80	2.88	961.38	244.14
1.100	2600.00	0.	0.	36.20	955.00	44.63	39.20	44.63	3.95	1.27	1865.28	480.26
1.100	2600.00	0.	0.	36.20	955.00	45.32	39.20	45.32	4.12	1.37	1591.64	470.24
1.200	100.00	0.	0.	43.00	955.00	46.82	46.47	48.22	574.86	9.51	100.46	39.83
1.200	100.00	0.	0.	43.00	955.00	47.23	46.47	48.37	492.17	8.56	111.57	43.05
1.300	51.00	50.70	48.20	43.00	955.00	51.39	0.	51.61	34.55	3.97	346.11	162.48
1.300	51.00	999999.00	0.	43.00	955.00	51.80	46.47	52.05	65.83	4.07	234.82	117.70
1.400	50.00	0.	0.	43.20	955.00	51.66	46.19	51.67	3.87	1.26	1878.47	485.32
1.400	50.00	0.	0.	43.20	955.00	52.11	46.16	52.12	4.71	1.44	1509.58	440.07

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EAR

SJMMARY PRINTOUT TABLE 150.

SECND	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
9.100	1980.00	18.20	0.	0.	0.	384.45	-0.
9.100	1980.00	19.00	.80	0.	.80	106.60	-0.
8.100	1980.00	21.50	0.	3.30	0.	550.33	2625.00
8.100	1980.00	22.29	.80	3.29	.80	328.85	2625.00
8.200	1980.00	21.75	0.	.26	0.	243.18	100.00
8.200	1980.00	22.49	.73	.19	.73	62.22	100.00
8.300	1980.00	21.76	0.	.00	0.	243.65	10.00
8.300	1980.00	22.49	.73	.00	.73	62.84	10.00
8.400	1980.00	22.52	0.	.77	0.	645.46	50.00
8.400	1980.00	23.47	.95	.98	.95	356.79	50.00
7.100	1980.00	23.83	0.	1.31	0.	509.10	1560.00
7.100	1980.00	24.73	.90	1.26	.90	307.81	1560.00
6.100	1845.00	24.91	0.	1.08	0.	587.17	1350.00
6.100	1845.00	25.78	.87	1.05	.87	342.29	1350.00
6.200	1845.00	25.30	0.	.39	0.	42.00	100.00
6.200	1845.00	26.06	.76	.28	.76	42.00	100.00
6.300	1845.00	26.20	0.	.90	0.	42.00	78.00
6.300	1845.00	26.96	.75	.90	.76	42.00	78.00
6.400	1845.00	27.12	0.	.93	0.	540.61	50.00
6.400	1845.00	27.69	.57	.73	.57	231.81	50.00

5.100	1845.00	29.28	0.	2.15	0.	671.07	920.00
5.100	1845.00	30.04	.76	2.35	.76	378.05	920.00
4.100	1845.00	31.64	0.	2.37	0.	837.26	4395.00
4.100	1845.00	32.49	.85	2.46	.85	355.82	4395.00
4.200	1845.00	31.76	0.	.11	0.	40.00	100.00
4.200	1845.00	32.58	.83	.09	.83	40.00	100.00
4.300	1845.00	31.85	0.	.10	0.	40.00	12.30
4.300	1845.00	32.45	.60	-.13	.60	40.00	12.30
4.400	1845.00	32.24	0.	.39	0.	886.88	50.00
4.400	1845.00	32.93	.68	.47	.68	436.41	50.00
40.100	1240.00	32.62	0.	.38	0.	878.28	700.00
40.100	1240.00	33.19	.57	.27	.57	944.23	700.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
40.200	1240.00	33.46	0.	.84	0.	15.00	100.00
40.200	1240.00	33.83	.37	.63	.37	15.00	100.00
40.300	1240.00	37.08	0.	3.62	0.	15.00	94.00
40.300	1240.00	37.52	.44	3.69	.44	15.00	94.00
40.400	1240.00	38.29	0.	1.21	0.	930.57	50.00
40.400	1240.00	38.64	.35	1.12	.35	948.91	50.00
3.000	1240.00	38.87	0.	.57	0.	606.13	1770.00
3.000	1240.00	39.12	.25	.48	.25	618.90	1770.00
2.000	1240.00	42.79	0.	3.93	0.	321.85	2760.00
2.000	1240.00	43.37	.57	4.25	.57	170.64	2760.00
1.100	955.00	44.63	0.	1.83	0.	353.48	2600.00
1.100	955.00	45.32	.69	1.95	.69	218.56	2600.00
1.200	955.00	46.82	0.	2.20	0.	27.00	100.00
1.200	955.00	47.23	.41	1.92	.41	27.00	100.00
1.300	955.00	51.39	0.	4.56	0.	197.29	51.00
1.300	955.00	51.80	.41	4.56	.41	27.00	51.00
1.400	955.00	51.66	0.	.28	0.	354.12	50.00
1.400	955.00	52.11	.45	.32	.45	212.01	50.00

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SUMMARY OF ERRORS

CAUTION SECNO= 8.300 PROFILE= 1 HYDRAULIC JUMP D.S.
 CAUTION SECNO= 8.300 PROFILE= 2 HYDRAULIC JUMP D.S.
 CAUTION SECNO= 40.300 PROFILE= 1 HYDRAULIC JUMP D.S.
 CAUTION SECNO= 40.300 PROFILE= 2 HYDRAULIC JUMP D.S.

FLOODWAY DATA, EAR
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION DIFFERENCE		
				WITH FLOODWAY	WITHOUT FLOODWAY	
A → 100	107.	931.	2.1	19.0	18.2	.8
8.100	329.	2154.	.9	22.3	21.5	.8
8.200	62.	450.	4.4	22.5	21.8	.7
B - 8.300	63.	453.	4.4	22.5	21.8	.7
8.400	357.	2730.	.7	23.4	22.5	.9
7.100	308.	1873.	1.1	24.7	23.8	.9
6.100	342.	2401.	.8	25.8	24.9	.9
6.200	42.	354.	5.2	26.1	25.3	.8
C 6.300	42.	392.	4.7	27.0	26.2	.8
6.400	232.	725.	2.5	27.7	27.1	.6
D 5.100	378.	1963.	.9	30.1	29.3	.8
4.100	356.	2809.	.7	32.5	31.6	.9
4.200	40.	457.	4.0	32.6	31.8	.8
E 4.300	40.	451.	4.1	32.5	31.9	.6
4.400	436.	3423.	.5	32.9	32.2	.7
40.100	944.	3016.	.4	33.2	32.6	.6
40.200	15.	111.	11.1	33.9	33.5	.4
F 40.300	15.	167.	7.4	37.5	37.1	.4
40.400	949.	6701.	.2	38.6	38.3	.3
G 3.000	619.	2491.	.5	39.2	38.9	.3
H 2.000	171.	961.	1.3	43.4	42.8	.6
1.100	219.	1592.	.6	45.3	44.6	.7
I 1.200	27.	112.	8.6	47.2	46.8	.4
1.300	27.	235.	4.1	51.8	51.4	.4
1.400	212.	1510.	.6	52.1	51.7	.4

FLOOD INSURANCE ZONE DATA FOR EAR

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10	2	0.2
9.100	0.	*****	*****	*****
8.100	2625.	*****	*****	*****
8.200	2725.	*****	*****	*****
8.300	2735.	*****	*****	*****
8.400	2785.	22.52	23.47	0.
7.100	4345.	23.83	24.73	0.
6.100	5695.	24.91	25.78	.00
6.200	5795.	*****	*****	*****
6.300	5873.	20.12	20.88	919.20
6.400	5923.	27.10	27.67	177.33
5.100	6843.	-170.7	-170.0	-107.3
4.100	11238.	-11.16	-12.31	1464.8