

THIS RUN EXECUTED 06/21/88, 9:23 AM

 HEC2 RELEASE DATED NOV 76 UPDATED APRIL 1980
 ERROR CORR - 01,02,03,04,05,06
 MODIFICATION - 50,51,52,53,54

T1	AVERY CO., N.C.	DSN=LINVILFW	000	1000
T2	100-YEAR FLOOD	F294	000	2000
T3	LINVILLE RIVER	FLOOD PROFILES	000	3000

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ	
	0.	5.	0.	0.	-1.00000	0.	.00	0.	3530.00	.00	4000

J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE	
	0.	0.	-1.	0.	0.	.00	.0	0.	0.	0.	5000

J3	VARIABLE CODES FOR SUMMARY PRINTOUT										
	110.00	.00	200.00	.00	.00	.00	.00	.00	.00	.00	6000

J6	IHLEQ	ICOPY									
	1.	0.									
	7000										

NC	.120	.120	.035	.1	.5							8000
QT	6.	1210.	2800.	4970.	6160.	9710.	6160.	0.	0.	0.	9000	
ET	0.	.00	.00	.00	.00	.00	8.11	62.00	567.00	.00	10000	

X1	33.48	26.	62.	567.	0.	0.	0.	.00	.00	0.	11000
GR	3556.2	0.	3546.0	15.	3543.3	20.	3541.3	58.	3541.6	58.	12000
GR	3541.6	62.	3538.2	68.	3538.2	97.	3537.6	97.	3537.2	103.	13000
GR	3537.6	189.	3537.3	198.	3537.6	198.	3537.6	212.	3541.6	228.	14000
GR	3541.5	260.	3542.1	458.	3541.7	467.	3532.3	467.	3532.3	567.	15000
GR	3537.2	567.	3537.2	568.	3535.5	568.	3538.0	583.	3547.0	608.	16000
GR	3560.0	635.	.0	0.	.0	0.	.0	0.	.0	0.	17000
ET	0.	.00	.00	.00	.00	.00	8.11	65.00	570.00	.00	18000

X1	33.48	13.	62.	587.	5.	5.	5.	.00	.00	0.	19000
GR	3556.2	0.	3546.0	15.	3543.3	20.	3541.3	58.	3541.6	58.	20000
GR	3541.6	62.	3538.2	68.	3525.9	85.	3526.0	300.	3526.0	467.	21000
GR	3526.0	570.	3533.3	587.	3560.0	635.	.0	0.	.0	0.	22000
QT	6.	1170.	2700.	4790.	5930.	9350.	5930.	0.	0.	0.	23000
ET	0.	.00	.00	.00	.00	.00	8.11	120.00	630.00	.00	24000

X1	33.80	17.	55.	697.	1780.	1460.	1670.	.00	.00	0.	25000
GR	3558.4	0.	3553.4	12.	3550.4	17.	3544.5	26.	3546.1	30.	26000
GR	3546.4	50.	3545.4	55.	3537.0	70.	3532.4	105.	3523.0	280.	27000
GR	3523.0	425.	3532.4	679.	3545.0	697.	3550.9	707.	3551.2	715.	28000
GR	3556.2	720.	3559.2	721.	.0	0.	.0	0.	.0	0.	29000
NC	.150	.150	.035	.0	.0						30000
QT	6.	1130.	2620.	4640.	5740.	9040.	5740.	0.	0.	0.	31000
ET	0.	.00	.00	.00	.00	.00	8.11	205.00	280.00	.00	32000

X1	34.07	28.	212.	279.	980.	1750.	1500.	.00	.00	0.	33000
GR	3555.9	0.	3554.2	31.	3548.2	94.	3545.2	124.	3542.2	154.	34000
GR	3539.9	204.	3531.7	212.	3530.6	212.	3528.6	224.	3527.5	239.	35000
GR	3527.7	254.	3528.3	264.	3529.7	267.	3529.9	274.	3531.7	278.	36000
GR	3533.5	279.	3533.3	304.	3536.6	322.	3540.0	378.	3539.9	399.	37000
GR	3544.0	404.	3545.2	410.	3545.9	432.	3545.7	434.	3544.8	439.	38000
GR	3546.7	442.	3551.7	453.	3556.7	464.	.0	0.	.0	0.	39000
NC	.150	.150	.045	.3	.5						40000
ET	0.	.00	.00	.00	.00	.00	8.11	205.00	280.00	.00	41000

X1	34.09	0.	0.	0.	60.	60.	60.	.00	.00	0.	42000
X3	10.	.0	.0	0.	.0	0.	.0	3541.5	3541.5		43000
SB	.00	1.60	3.00	0.	51.50	.00	725.00	.33	3527.0	3527.0	44000
ET	0.	.00	.00	.00	.00	.00	8.11	205.00	280.00	.00	45000

X1	34.09	26.	214.	275.	40.	40.	40.	.00	.00	0.	46000
X2	0.	.00	1.	3540.0	3542.5	.00	0.	.00	.0	0.	47000
X3	10.	.0	.0	0.	.0	0.	.0	3542.5	3542.5		48000
BT	23.0	.0	3555.9	.0	31.0	3554.2	.0	94.0	3548.2	.0	49000
BT	124.0	3545.2	.0	145.0	3543.2	.0	212.0	3542.5	.0	212.0	50000
BT	3545.0	.0	214.0	3545.0	.0	214.0	3545.0	3540.0	275.0	3545.0	51000
BT	3540.0	275.0	3545.0	.0	277.0	3545.0	.0	277.0	3542.5	.0	52000
BT	386.0	3544.2	.0	402.0	3544.2	.0	404.0	3544.2	.0	410.0	53000
BT	3545.2	.0	432.0	3545.9	.0	434.0	3545.7	.0	439.0	3544.8	54000
BT	.0	442.0	3546.7	.0	453.0	3551.7	.0	464.0	3556.7	.0	55000
GR	3555.9	0.	3554.2	31.	3548.2	94.	3545.2	124.	3543.2	145.	56000
GR	3542.5	212.	3542.5	214.	3530.5	214.	3529.0	223.	3527.7	231.	57000
GR	3527.1	243.	3526.7	252.	3528.9	262.	3530.6	275.	3542.5	275.	58000
GR	3542.5	277.	3544.2	386.	3544.2	402.	3544.2	404.	3545.2	410.	59000
GR	3545.9	432.	3545.7	434.	3544.8	439.	3546.7	442.	3551.7	453.	60000
GR	3556.7	464.	.0	0.	.0	0.	.0	0.	.0	0.	61000
NC	.150	.150	.050	.0	.0						62000
ET	0.	.00	.00	.00	.00	.00	8.11	205.00	280.00	.00	63000

X1	34.09	28.	212.	279.	15.	15.	15.	.00	.00	0.	64000
GR	3555.9	0.	3554.2	31.	3548.2	94.	3545.2	124.	3542.2	154.	65000
GR	3539.9	204.	3531.7	212.	3530.6	212.	3528.6	224.	3527.5	239.	66000
GR	3527.7	254.	3528.3	264.	3529.7	267.	3529.9	274.	3531.7	278.	67000
GR	3533.5	279.	3533.3	304.	3536.6	322.	3540.0	378.	3539.9	399.	68000

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GR	3544.0	404.	3545.2	410.	3545.9	432.	3545.7	434.	3544.8	439.	69000
GR	3546.7	442.	3551.7	453.	3556.7	464.	.0	0.	.0	0.	70000
NC	.150	.150	.055	.1	.5						71000
QT	6.	1120.	2590.	4590.	5680.	8930.	5680.	0.	0.	0.	72000
ET	0.	.00	.00	.00	.00	.00	8.11	221.00	291.00	.00	73000

X1	34.41	23.	227.	291.	1600.	1150.	1620.	.00	.00	0.	74000
GR	3558.8	78.	3556.1	98.	3554.4	105.	3552.4	110.	3553.1	113.	75000
GR	3552.9	130.	3553.8	139.	3545.0	217.	3541.0	227.	3539.4	229.	76000
GR	3538.8	229.	3538.5	239.	3537.7	249.	3537.6	259.	3538.2	269.	77000
GR	3538.5	279.	3539.4	280.	3543.5	291.	3549.5	297.	3554.4	309.	78000
GR	3550.0	318.	3554.4	326.	3559.4	331.	.0	0.	.0	0.	79000
NC	.000	.000	.000	.3	.5						80000
ET	0.	.00	.00	.00	.00	.00	8.11	221.00	291.00	.00	81000

X1	34.41	0.	0.	0.	40.	40.	40.	.00	.00	0.	82000
X3	10.	.0	.0	0.	.0	0.	.0	3548.4	3548.8		83000
SB	.00	1.60	3.00	0.	60.00	.00	565.00	.00	3537.8	3537.8	84000
ET	0.	.00	.00	.00	.00	.00	8.11	221.00	291.00	.00	85000

X1	34.41	29.	227.	291.	40.	40.	40.	.00	.00	0.	86000
X2	0.	.00	1.	3547.2	3549.6	.00	0.	.00	.0	0.	87000
X3	10.	.0	.0	0.	.0	0.	.0	3547.4	3547.8		88000
BT	15.0	78.0	3558.8	.0	98.0	3556.1	.0	105.0	3554.4	.0	89000
BT	107.0	3553.3	.0	224.0	3549.5	.0	224.0	3552.0	.0	226.0	90000
BT	3552.0	.0	226.0	3552.0	3547.0	287.0	3552.0	3547.3	287.0	3552.0	91000
BT	.0	289.0	3552.0	.0	289.0	3549.8	.0	320.0	3551.2	.0	92000
BT	326.0	3554.4	.0	331.0	3559.4	.0	.0	.0	.0	.0	93000
GR	3558.8	78.	3556.1	98.	3554.4	105.	3553.3	107.	3552.4	110.	94000
GR	3553.1	113.	3552.9	130.	3553.8	139.	3545.0	217.	3542.0	224.	95000
GR	3544.3	226.	3541.0	227.	3539.4	229.	3538.8	229.	3538.5	239.	96000
GR	3537.7	249.	3537.6	259.	3538.2	269.	3538.5	279.	3539.4	280.	97000
GR	3541.5	287.	3542.6	289.	3543.5	291.	3549.5	297.	3554.4	309.	98000
GR	3550.0	318.	3551.2	320.	3554.4	326.	3559.4	331.	.0	0.	99000
ET	0.	.00	.00	.00	.00	.00	8.11	221.00	291.00	.00	100000

X1	34.41	0.	0.	0.	10.	10.	10.	.00	.00	0.	101000
NC	.000	.000	.000	.1	.5						102000
QT	6.	1110.	2570.	4560.	5640.	8880.	5640.	0.	0.	0.	103000
ET	0.	.00	.00	.00	.00	.00	8.11	40.00	140.00	.00	104000

X1	34.61	19.	43.	136.	900.	1110.	1070.	.00	.00	0.	105000
GR	3571.1	0.	3557.1	25.	3556.4	30.	3545.4	43.	3545.2	43.	106000
GR	3541.0	50.	3541.0	70.	3542.8	90.	3543.1	110.	3543.7	120.	107000
GR	3544.0	135.	3544.4	136.	3545.4	136.	3546.7	138.	3548.9	146.	108000
GR	3555.1	161.	3566.4	232.	3571.1	242.	3575.9	251.	.0	0.	109000
ET	0.	.00	.00	.00	.00	.00	8.11	40.00	140.00	.00	110000

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X1	34.75	0.	0.	0.	940.	310.	750.	.00	7.50	0.	111000
QT	6.	1100.	2550.	4520.	5580.	8780.	5580.	0.	0.	0.	112000
ET	0.	.00	.00	.00	.00	.00	8.11	260.00	360.00	.00	113000

X1	34.96	29.	305.	359.	530.	1360.	1110.	.00	.00	0.	114000
GR	3558.6	0.	3560.0	100.	3559.8	150.	3559.7	160.	3557.5	165.	115000
GR	3557.7	169.	3557.4	181.	3559.1	250.	3559.6	264.	3555.4	273.	116000
GR	3552.9	285.	3553.5	300.	3550.4	305.	3550.0	305.	3549.2	310.	117000
GR	3549.0	320.	3548.9	330.	3548.8	340.	3549.0	350.	3550.1	357.	118000
GR	3550.4	359.	3557.8	363.	3560.1	373.	3559.3	407.	3558.0	507.	119000
GR	3558.0	532.	3564.0	556.	3568.5	564.	3570.5	578.	.0	0.	120000
ET	0.	.00	.00	.00	.00	.00	8.11	240.00	375.00	.00	121000

X1	35.00	0.	0.	0.	140.	110.	150.	.00	.00	0.	122000
ET	0.	.00	.00	.00	.00	.00	8.11	365.00	500.00	.00	123000

X1	35.00	25.	422.	493.	1.	1.	1.	.00	.00	0.	124000
GR	3572.8	0.	3569.8	11.	3565.6	18.	3563.8	33.	3560.7	45.	125000
GR	3558.5	128.	3560.2	210.	3560.3	324.	3557.2	392.	3552.9	410.	126000
GR	3552.4	422.	3551.6	442.	3552.2	454.	3549.4	454.	3549.1	461.	127000
GR	3552.2	461.	3552.2	480.	3551.9	490.	3551.9	493.	3552.3	504.	128000
GR	3561.0	514.	3560.1	591.	3560.1	604.	3565.5	672.	3572.5	701.	129000
ET	0.	.00	.00	.00	.00	.00	8.11	365.00	500.00	.00	130000

X1	35.00	0.	0.	0.	40.	40.	40.	.00	.00	0.	131000
ET	0.	.00	.00	.00	.00	.00	8.11	365.00	500.00	.00	132000

X1	35.00	21.	422.	493.	1.	1.	1.	.00	.00	0.	133000
GR	3572.8	0.	3569.8	11.	3565.6	18.	3563.8	33.	3560.7	45.	134000
GR	3558.5	128.	3560.2	210.	3560.3	324.	3556.7	406.	3553.8	422.	135000
GR	3552.4	423.	3552.3	424.	3551.2	434.	3549.4	454.	3549.0	461.	136000
GR	3552.4	493.	3561.2	501.	3560.1	591.	3560.1	604.	3565.5	672.	137000
GR	3572.5	701.	.0	0.	.0	0.	.0	0.	.0	0.	138000
ET	0.	.00	.00	.00	.00	.00	8.11	365.00	500.00	.00	139000

X1	35.02	24.	422.	493.	50.	170.	100.	.00	.00	0.	140000
GR	3572.8	0.	3569.8	11.	3565.6	18.	3563.8	33.	3560.7	45.	141000
GR	3558.5	128.	3560.2	210.	3560.3	324.	3556.7	406.	3553.8	422.	142000
GR	3552.4	423.	3552.3	424.	3551.2	434.	3551.0	444.	3551.0	454.	143000
GR	3550.9	464.	3551.6	474.	3551.7	484.	3551.8	493.	3561.2	501.	144000
GR	3560.1	591.	3560.1	604.	3565.5	672.	3572.5	701.	.0	0.	145000
NC	.150	.150	.065	.0	.0	.0	.0	.0	.0	.0	146000
ET	0.	.00	.00	.00	.00	.00	8.11	300.00	460.00	.00	147000
QT	6.	1080.	2500.	4440.	5480.	8620.	5480.	0.	0.	0.	148000

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X1	35.56	16.	398.	450.	2700.	2840.	2870.	.00	.00	0.	149000
GR	3579.2	0.	3573.3	65.	3568.1	217.	3564.6	225.	3564.1	325.	150000
GR	3564.1	375.	3558.0	398.	3555.6	405.	3555.1	410.	3554.9	420.	151000
GR	3554.8	435.	3555.6	450.	3568.6	468.	3569.0	477.	3573.3	483.	152000
GR	3576.3	486.	.0	0.	.0	0.	.0	0.	.0	0.	153000
QT	6.	1070.	2470.	4370.	5400.	8480.	5400.	0.	0.	0.	154000
ET	0.	.00	.00	.00	.00	.00	8.11	40.00	350.00	.00	155000

X1	36.07	25.	56.	102.	2210.	2960.	2730.	.00	.00	0.	156000
GR	3582.0	0.	3575.0	12.	3564.1	28.	3563.1	38.	3561.7	41.	157000
GR	3561.6	41.	3561.6	56.	3560.7	62.	3560.2	82.	3560.7	92.	158000
GR	3561.7	102.	3564.6	112.	3565.2	128.	3570.2	146.	3571.6	172.	159000
GR	3570.2	202.	3571.0	302.	3570.4	402.	3571.4	502.	3572.1	602.	160000
GR	3570.8	702.	3572.2	802.	3572.6	902.	3576.4	997.	3582.4	1047.	161000
QT	6.	1060.	2450.	4330.	5350.	8400.	5350.	0.	0.	0.	162000
ET	0.	.00	.00	.00	.00	.00	8.11	220.00	410.00	.00	163000

X1	36.38	21.	277.	335.	1890.	1000.	1550.	.00	.00	0.	164000
GR	3585.7	0.	3583.0	19.	3579.7	59.	3578.0	69.	3580.0	70.	165000
GR	3580.3	75.	3580.7	93.	3572.8	175.	3569.1	273.	3569.0	277.	166000
GR	3564.5	282.	3564.5	325.	3569.1	335.	3569.6	374.	3570.1	396.	167000
GR	3574.5	417.	3576.2	471.	3575.8	571.	3578.2	611.	3581.1	631.	168000
GR	3586.1	651.	.0	0.	.0	0.	.0	0.	.0	0.	169000
NC	.150	.120	.050	.3	.5						170000
ET	0.	.00	.00	.00	.00	.00	8.11	220.00	410.00	.00	171000

X1	36.38	29.	276.	335.	40.	40.	40.	.00	.00	0.	172000
GR	3585.7	0.	3583.0	19.	3579.7	59.	3578.0	69.	3580.0	70.	173000
GR	3580.3	75.	3580.7	93.	3572.8	175.	3569.1	273.	3569.1	275.	174000
GR	3569.0	276.	3566.0	276.	3563.6	280.	3565.0	294.	3563.7	305.	175000
GR	3564.5	314.	3563.7	325.	3564.7	331.	3566.0	331.	3566.5	332.	176000
GR	3569.1	335.	3569.6	374.	3570.1	396.	3574.5	417.	3576.2	471.	177000
GR	3575.8	571.	3578.2	611.	3581.1	631.	3586.1	651.	.0	0.	178000
SB	1.25	1.60	3.00	0.	55.00	2.00	185.00	.00	3564.1	3564.1	179000
ET	0.	.00	.00	.00	.00	.00	8.11	220.00	410.00	.00	180000

X1	36.38	0.	0.	0.	40.	40.	40.	.00	.00	0.	181000
X2	0.	.00	1.	3567.6	3569.0	.00	0.	.00	.0	0.	182000
BT	21.0	.0	3585.7	.0	19.0	3583.0	.0	59.0	3579.7	.0	183000
BT	69.0	3578.0	.0	70.0	3580.0	.0	75.0	3580.3	.0	93.0	184000
BT	3580.7	.0	175.0	3572.8	.0	273.0	3569.1	.0	275.0	3569.1	185000
BT	.0	275.0	3569.7	.0	334.0	3569.6	.0	334.0	3569.1	.0	186000
BT	374.0	3569.6	.0	396.0	3570.1	.0	417.0	3574.5	.0	471.0	187000
BT	3576.2	.0	571.0	3575.8	.0	611.0	3578.2	.0	631.0	3581.1	188000
BT	.0	651.0	3586.1	.0	.0	.0	.0	.0	.0	.0	189000
ET	0.	.00	.00	.00	.00	.00	8.11	220.00	410.00	.00	190000

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XI	36.38	34.	277.	331.	10.	10.	10.	.00	.00	0.	191000
GR	3585.7	0.	3583.0	19.	3579.7	59.	3578.0	69.	3580.0	70.	192000
GR	3580.3	75.	3580.6	92.	3574.0	110.	3573.3	121.	3573.3	165.	193000
GR	3571.5	176.	3570.7	191.	3573.1	226.	3573.0	257.	3568.4	271.	194000
GR	3568.0	277.	3566.0	280.	3565.8	280.	3565.0	291.	3565.1	301.	195000
GR	3564.9	311.	3564.7	321.	3565.1	327.	3566.0	327.	3568.6	331.	196000
GR	3571.1	356.	3569.9	371.	3570.3	397.	3574.5	417.	3576.2	471.	197000
GR	3575.8	571.	3578.2	611.	3581.1	631.	3586.1	651.	.0	0.	198000
NC	.150	.150	.065	.1	.5						199000
QT	6.	840.	1920.	3380.	4170.	6510.	4170.	0.	0.	0.	200000
ET	0.	.00	.00	.00	.00	.00	8.11	220.00	410.00	.00	201000

XI	36.60	0.	0.	0.	1140.	1140.	1140.	.00	.00	0.	202000
QT	6.	830.	1900.	3350.	4130.	6450.	4130.	0.	0.	0.	203000
ET	0.	.00	.00	.00	.00	.00	8.11	145.00	230.00	.00	204000

XI	36.79	21.	162.	202.	1120.	870.	980.	.00	.00	0.	205000
GR	3593.6	0.	3585.6	16.	3580.4	76.	3580.8	97.	3579.0	107.	206000
GR	3580.7	137.	3573.5	147.	3573.2	162.	3572.9	162.	3572.6	182.	207000
GR	3572.7	192.	3572.8	202.	3573.2	202.	3575.6	208.	3581.0	267.	208000
GR	3580.9	290.	3580.9	300.	3581.3	350.	3581.5	372.	3585.6	382.	209000
GR	3593.6	398.	.0	0.	.0	0.	.0	0.	.0	0.	210000
QT	6.	820.	1870.	3280.	4050.	6320.	4050.	0.	0.	0.	211000
ET	0.	.00	.00	.00	.00	.00	8.11	260.00	370.00	.00	212000

XI	37.20	21.	279.	319.	2230.	2020.	2220.	.00	.00	0.	213000
GR	3600.8	0.	3593.8	150.	3589.3	205.	3590.8	247.	3584.3	258.	214000
GR	3582.2	279.	3581.1	286.	3580.1	303.	3580.2	309.	3581.1	319.	215000
GR	3586.6	330.	3586.2	339.	3587.7	343.	3588.3	350.	3590.8	378.	216000
GR	3592.8	409.	3591.6	439.	3593.0	489.	3594.1	539.	3598.1	589.	217000
GR	3602.8	639.	.0	0.	.0	0.	.0	0.	.0	0.	218000
QT	6.	800.	1830.	3220.	3970.	6190.	3970.	0.	0.	0.	219000
ET	0.	.00	.00	.00	.00	.00	8.11	275.00	570.00	.00	220000

XI	37.58	25.	286.	310.	1750.	1930.	1970.	.00	.00	0.	221000
GR	3618.6	0.	3613.6	48.	3608.6	78.	3606.7	91.	3606.0	108.	222000
GR	3605.4	128.	3603.7	208.	3603.8	268.	3595.4	286.	3595.2	286.	223000
GR	3594.2	293.	3594.4	303.	3595.2	310.	3595.4	310.	3598.4	313.	224000
GR	3601.3	358.	3602.9	408.	3601.4	458.	3599.9	508.	3600.2	608.	225000
GR	3599.8	708.	3600.7	713.	3605.1	776.	3607.2	802.	3615.7	821.	226000
ET	0.	.00	.00	.00	.00	.00	8.11	950.00	1030.00	.00	227000

XI	37.69	21.	972.	1027.	580.	610.	640.	.00	.00	0.	228000
GR	3621.3	290.	3615.0	365.	3612.4	450.	3610.0	530.	3608.1	655.	229000
GR	3605.0	855.	3601.4	972.	3599.2	980.	3597.4	988.	3597.0	996.	230000
GR	3597.1	1002.	3598.5	1010.	3598.9	1018.	3599.2	1022.	3600.8	1027.	231000
GR	3605.0	1035.	3607.6	1050.	3610.0	1066.	3615.0	1085.	3615.0	1085.	232000

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GR 3617.2 1098. 0 0 0 0 0 0 0 0 0 233000
 ET 0. 00 00 00 00 00 8.11 4970.00 5055.00 00 234000

X1 37.90 22. 4975. 5035. 390. 1010. 1050. 00 00 0. 235000
 GR 3623.9 4918. 3623.9 4921. 3622.9 4921. 3622.9 4923. 3607.1 4948. 236000
 GR 3606.2 4971. 3606.2 4971. 3606.2 4975. 3606.2 4975. 3602.6 4983. 237000
 GR 3602.3 4995. 3602.2 5004. 3602.3 5015. 3602.4 5026. 3602.4 5026. 238000
 GR 3602.4 5030. 3602.4 5030. 3606.0 5035. 3605.8 5058. 3618.9 5078. 239000
 GR 3619.9 5080. 3670.0 5082. 0 0 0 0 0 0 240000
 ET 0. 00 00 00 00 00 8.11 4970.00 5055.00 00 241000

X1 37.90 22. 4975. 5035. 1. 1. 1. 00 00 0. 242000
 GR 3623.9 4918. 3623.9 4921. 3622.9 4921. 3622.9 4923. 3607.1 4948. 243000
 GR 3606.2 4971. 3622.6 4971. 3622.6 4975. 3606.2 4975. 3602.6 4983. 244000
 GR 3602.3 4995. 3602.2 5004. 3602.3 5015. 3602.4 5026. 3621.4 5026. 245000
 GR 3621.4 5030. 3602.4 5030. 3606.0 5035. 3605.8 5058. 3618.9 5078. 246000
 GR 3619.9 5080. 3620.0 5082. 0 0 0 0 0 0 247000
 ET 0. 00 00 00 00 00 8.11 4970.00 5055.00 00 248000

X1 37.90 0. 0. 0. 45. 45. 45. 00 00 0. 249000
 ET 0. 00 00 00 00 00 8.11 4970.00 5055.00 00 250000

X1 37.90 22. 4975. 5035. 1. 1. 1. 00 00 0. 251000
 GR 3623.9 4918. 3623.9 4921. 3622.9 4921. 3622.9 4923. 3607.1 4948. 252000
 GR 3606.2 4971. 3606.2 4971. 3606.2 4975. 3606.2 4975. 3602.6 4983. 253000
 GR 3602.3 4995. 3602.2 5004. 3602.3 5015. 3602.4 5026. 3602.4 5026. 254000
 GR 3602.4 5030. 3602.4 5030. 3606.0 5035. 3605.8 5058. 3618.9 5078. 255000
 GR 3619.9 5080. 3670.0 5082. 0 0 0 0 0 0 256000
 NC .150 .120 .065 0 0 257000
 QT 6. 780. 1790. 3140. 3870. 6030. 3870. 0 0 0 258000
 ET 0. 00 00 00 00 00 8.11 75.00 120.00 00 259000

X1 38.05 19. 79. 117. 830. 430. 760. 00 00 0. 260000
 GR 3629.3 0. 3626.3 15. 3624.8 65. 3617.3 77. 3611.0 77. 261000
 GR 3609.1 79. 3608.9 79. 3607.5 80. 3608.1 90. 3608.3 100. 262000
 GR 3608.5 110. 3608.1 116. 3609.1 116. 3610.0 117. 3609.8 134. 263000
 GR 3615.6 135. 3619.3 145. 3624.3 159. 3629.3 169. 0 0 264000
 NC .100 .150 .045 0 0 265000
 ET 0. 00 00 00 00 00 8.11 320.00 370.00 00 266000

X1 38.20 22. 325. 362. 870. 610. 730. 00 00 0. 267000
 GR 3635.0 0. 3639.0 180. 3639.5 200. 3640.2 225. 3640.9 250. 268000
 GR 3641.6 278. 3636.3 278. 3635.1 288. 3633.5 293. 3623.5 308. 269000
 GR 3623.4 318. 3619.6 325. 3619.0 326. 3618.3 330. 3617.8 338. 270000
 GR 3618.0 348. 3618.0 358. 3618.8 362. 3619.6 362. 3620.4 363. 271000
 GR 3637.3 385. 3640.3 391. 0 0 0 0 0 272000
 NC .000 .000 .000 .3 .5 273000
 ET 0. 00 00 00 00 00 8.11 320.00 370.00 00 274000

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X1	38.20	31.	326.	362.	40.	40.	40.	.00	.00	0.	275000
BT	8.0	278.0	3642.2	.0	278.0	3643.4	.0	280.0	3643.4	.0	276000
BT	280.0	3643.4	3638.0	406.0	3647.1	3641.7	406.0	3647.1	.0	408.0	277000
BT	3647.1	.0	408.0	3646.4	.0	.0	.0	.0	.0	.0	278000
GR	3636.1	0.	3639.3	175.	3642.2	278.	3643.4	280.	3637.7	280.	279000
GR	3637.7	282.	3637.5	283.	3636.2	283.	3636.2	290.	3624.5	308.	280000
GR	3621.4	322.	3639.2	322.	3639.4	326.	3619.0	326.	3617.7	327.	281000
GR	3617.6	336.	3617.8	350.	3618.1	357.	3619.3	362.	3619.5	364.	282000
GR	3640.4	364.	3640.6	368.	3621.5	368.	3623.8	372.	3640.0	388.	283000
GR	3641.0	404.	3641.4	404.	3641.5	406.	3645.4	406.	3645.5	408.	284000
GR	3648.0	478.	.0	0.	.0	0.	.0	0.	.0	0.	285000
ET	0.	.00	.00	.00	.00	.00	8.11	320.00	370.00	.00	286000

X1	38.20	0.	0.	0.	40.	40.	40.	.00	.00	0.	287000
X2	0.	.00	0.	.0	.0	.00	1.	.00	.0	0.	288000
NC	.150	.100	.065	.3	.5						289000
ET	0.	.00	.00	.00	.00	.00	8.11	320.00	370.00	.00	290000

X1	38.20	17.	325.	362.	10.	10.	10.	.00	.00	0.	291000
GR	3641.6	278.	3636.3	278.	3635.1	288.	3633.5	293.	3623.5	308.	292000
GR	3623.4	318.	3619.6	325.	3619.0	326.	3618.3	330.	3617.8	338.	293000
GR	3618.0	348.	3618.0	358.	3618.8	362.	3619.6	362.	3620.4	363.	294000
GR	3637.3	385.	3640.3	391.	.0	0.	.0	0.	.0	0.	295000
NC	.130	.150	.065	.1	.5						296000
QT	6.	770.	1760.	3100.	3820.	5950.	3820.	0.	0.	0.	297000
ET	0.	.00	.00	.00	.00	.00	8.11	190.00	260.00	.00	298000

X1	38.30	28.	191.	241.	310.	690.	500.	.00	-.50	0.	299000
GR	3643.7	0.	3636.6	35.	3632.4	61.	3632.4	114.	3631.4	141.	300000
GR	3627.0	151.	3627.4	176.	3626.9	191.	3623.7	196.	3622.9	196.	301000
GR	3623.0	206.	3622.5	216.	3622.4	226.	3623.3	236.	3623.7	236.	302000
GR	3624.8	237.	3627.5	241.	3630.1	276.	3632.7	286.	3632.5	326.	303000
GR	3630.9	334.	3629.4	336.	3630.8	338.	3632.4	358.	3632.4	377.	304000
GR	3634.6	490.	3637.1	550.	3642.7	689.	.0	0.	.0	0.	305000
NC	.000	.000	.000	.3	.5						306000
ET	0.	.00	.00	.00	.00	.00	8.11	190.00	260.00	.00	307000

X1	38.30	0.	0.	0.	50.	50.	50.	.00	.00	0.	308000
X3	10.	.0	.0	0.	.0	0.	.0	3631.4	3631.7		309000
SB	1.25	1.60	3.00	0.	45.00	2.00	480.00	1.59	3621.8	3621.8	310000
ET	0.	.00	.00	.00	.00	.00	8.11	190.00	260.00	.00	311000

X1	38.30	0.	0.	0.	40.	40.	40.	.00	.00	0.	312000
X2	0.	.00	1.	3630.3	3632.4	.00	0.	.00	.0	0.	313000
X3	10.	.0	.0	0.	.0	0.	.0	3632.4	3632.7		314000
BT	14.0	.0	3643.7	.0	35.0	3636.6	.0	61.0	3632.4	.0	315000
BT	107.0	3632.4	.0	128.0	3632.8	.0	190.0	3632.2	.0	190.0	316000

BT	3634.7	.0	260.0	3634.8	.0	260.0	3633.2	.0	290.0	3632.7	317000
BT	.0	390.0	3632.7	.0	490.0	3634.6	.0	550.0	3637.1	.0	318000
BT	689.0	3642.7	.0	.0	.0	.0	.0	.0	.0	.0	319000
ET	0.	.00	.00	.00	.00	.00	8.11	190.00	260.00	.00	320000

XI	38.30	0.	0.	0.	10.	10.	10.	.00	.50	0.	321000
NC	.000	.000	.000	.1	.5						322000
QT	6.	560.	1275.	2220.	2730.	4210.	2730.	0.	0.	0.	323000
ET	0.	.00	.00	.00	.00	.00	8.11	235.00	305.00	.00	324000

XI	38.50	22.	263.	295.	950.	1010.	1000.	.00	.00	0.	325000
GR	3654.4	0.	3644.4	56.	3641.3	67.	3640.5	84.	3640.2	94.	326000
GR	3639.9	114.	3634.8	214.	3633.9	242.	3629.6	254.	3627.4	263.	327000
GR	3626.6	281.	3626.6	289.	3627.4	294.	3628.2	295.	3630.2	300.	328000
GR	3635.2	314.	3637.2	414.	3638.6	422.	3639.4	461.	3639.6	477.	329000
GR	3642.1	497.	3647.6	522.	.0	0.	.0	0.	.0	0.	330000
NC	.110	.120	.065	.0	.0						331000
ET	0.	.00	.00	.00	.00	.00	8.11	205.00	265.00	.00	332000

XI	38.60	27.	210.	251.	410.	380.	540.	.00	-4.00	0.	333000
GR	3655.2	146.	3651.2	153.	3647.6	158.	3642.0	167.	3642.2	178.	334000
GR	3642.1	183.	3637.0	193.	3636.4	201.	3635.3	210.	3635.0	211.	335000
GR	3634.5	213.	3634.4	218.	3634.2	228.	3634.1	238.	3634.3	243.	336000
GR	3634.8	248.	3635.0	248.	3637.4	251.	3638.4	261.	3640.5	267.	337000
GR	3640.7	376.	3641.5	448.	3641.7	459.	3643.8	475.	3643.6	548.	338000
GR	3651.2	603.	3655.2	633.	.0	0.	.0	0.	.0	0.	339000
NC	.110	.080	.055	.3	.5						340000
ET	0.	.00	.00	.00	.00	.00	8.11	212.00	247.00	.00	341000

XI	38.64	8.	212.	247.	200.	200.	200.	.00	.00	0.	342000
GR	3653.5	201.	3644.4	212.	3633.7	212.	3632.9	223.	3631.1	236.	343000
GR	3632.8	247.	3644.4	247.	3653.5	264.	.0	0.	.0	0.	344000
SB	1.25	2.15	3.00	0.	31.60	2.00	420.00	.21	3631.4	3631.4	345000
ET	0.	.00	.00	.00	.00	.00	8.11	212.00	247.00	.00	346000

X1	38.68	0.	0.	0.	250.	250.	250.	.00	.00	0.	347000
X2	0.	.00	1.	3644.4	3647.8	.00	0.	.00	.0	0.	348000
BT	7.0	146.0	3655.0	.0	157.0	3647.8	.0	200.0	3648.0	.0	349000
BT	370.0	3648.3	.0	500.0	3648.8	.0	587.0	3649.0	.0	633.0	350000
BT	3655.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	351000
NC	.130	.070	.055	.3	.5						352000
ET	0.	.00	.00	.00	.00	.00	8.11	205.00	275.00	.00	353000

X1	38.68	21.	210.	251.	50.	50.	50.	.00	.00	0.	354000
GR	3655.2	146.	3651.2	153.	3647.6	158.	3642.0	167.	3642.2	178.	355000
GR	3642.1	183.	3637.0	193.	3636.4	201.	3635.3	210.	3635.0	211.	356000
GR	3634.5	213.	3634.4	218.	3634.2	228.	3634.1	238.	3634.3	243.	357000
GR	3634.8	248.	3635.0	248.	3637.4	251.	3638.4	261.	3646.9	288.	358000

GR	3652.5	327.	.0	0.	.0	0.	.0	0.	.0	0.	359000
NC	.150	.120	.050	.1	.5						360000
QT	6.	540.	1240.	2160.	2660.	4100.	2660.	0.	0.	0.	361000
ET	0.	.00	.00	.00	.00	.00	8.11	205.00	275.00	.00	362000

X1	38.73	27.	210.	251.	430.	90.	170.	.00	1.90	0.	363000
GR	3655.2	146.	3651.2	153.	3647.6	158.	3642.0	167.	3642.2	178.	364000
GR	3642.1	183.	3637.0	193.	3636.4	201.	3635.3	210.	3635.0	211.	365000
GR	3634.5	213.	3634.4	218.	3634.2	228.	3634.1	238.	3634.3	243.	366000
GR	3634.8	248.	3635.0	248.	3637.4	251.	3638.4	261.	3640.5	267.	367000
GR	3640.7	376.	3641.5	448.	3641.7	459.	3643.8	475.	3643.6	548.	368000
GR	3651.2	603.	3655.2	633.	.0	0.	.0	0.	.0	0.	369000
NC	.150	.100	.050	.0	.0						370000
QT	6.	520.	1200.	2090.	2570.	3950.	2570.	0.	0.	0.	371000
ET	0.	.00	.00	.00	.00	.00	8.11	410.00	475.00	.00	372000

X1	39.05	26.	412.	471.	1790.	1570.	1700.	.00	.00	0.	373000
GR	3668.7	0.	3665.7	105.	3660.7	207.	3656.2	307.	3655.9	412.	374000
GR	3652.8	414.	3651.7	426.	3649.2	433.	3648.7	433.	3648.2	437.	375000
GR	3647.7	442.	3647.5	452.	3647.4	457.	3648.9	462.	3649.2	462.	376000
GR	3656.5	471.	3656.0	492.	3654.8	511.	3654.0	512.	3654.0	700.	377000
GR	3654.0	704.	3653.9	800.	3654.2	902.	3655.7	907.	3661.7	922.	378000
GR	3669.7	933.	.0	0.	.0	0.	.0	0.	.0	0.	379000
NC	.130	.130	.050	.0	.0						380000
ET	0.	.00	.00	.00	.00	.00	8.11	110.00	255.00	.00	381000

X1	39.07	24.	117.	154.	130.	130.	130.	.00	.00	0.	382000
GR	3672.9	0.	3665.9	30.	3663.4	34.	3664.9	38.	3664.6	50.	383000
GR	3661.6	55.	3657.4	97.	3656.3	114.	3655.9	117.	3652.0	120.	384000
GR	3651.4	126.	3651.1	126.	3650.3	132.	3650.2	142.	3650.6	147.	385000
GR	3651.4	148.	3652.0	149.	3654.6	153.	3655.9	154.	3656.5	297.	386000
GR	3656.1	347.	3655.4	387.	3665.1	405.	3675.1	424.	.0	0.	387000
NC	.000	.000	.000	.3	.5						388000
ET	0.	.00	.00	.00	.00	.00	8.11	110.00	255.00	.00	389000

X1	39.11	0.	0.	0.	300.	200.	200.	.00	.00	0.	390000
X3	10.	.0	.0	0.	.0	0.	.0	3659.3	3651.9		391000
SB	.00	1.60	3.00	0.	24.40	.00	243.00	1.47	3650.2	3650.2	392000
ET	0.	.00	.00	.00	.00	.00	8.11	110.00	255.00	.00	393000

X1	39.11	31.	117.	157.	40.	40.	40.	.00	.00	0.	394000
X2	0.	.00	1.	3657.2	3657.4	.00	0.	.00	.0	0.	395000
BT	12.0	.0	3672.9	.0	30.0	3665.9	.0	32.0	3665.2	.0	396000
BT	75.0	3662.2	.0	115.0	3660.6	.0	115.0	3660.6	3657.8	160.0	397000
BT	3658.9	3656.3	160.0	3658.9	.0	162.0	3658.8	.0	212.0	3658.0	398000
BT	.0	394.0	3659.3	.0	424.0	3675.0	.0	.0	.0	.0	399000
GR	3668.7	0.	3665.9	30.	3664.5	32.	3663.4	34.	3664.9	38.	400000
GR	3664.6	50.	3661.6	55.	3659.7	75.	3657.4	97.	3656.3	114.	401000
GR	3656.3	115.	3655.9	117.	3652.0	120.	3651.4	126.	3651.1	126.	402000

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GR 3650.3	132.	3650.2	142.	3650.6	147.	3651.4	148.	3652.0	149.	403000
GR 3654.6	153.	3658.2	157.	3658.3	160.	3658.3	162.	3658.4	169.	404000
GR 3657.6	171.	3658.4	176.	3658.8	188.	3658.0	212.	3659.3	394.	405000
GR 3675.0	424.	.0	0.	.0	0.	.0	0.	.0	0.	406000
ET	0.	.00	.00	.00	.00	8.11	110.00	255.00	.00	407000

X1	39.11	0.	0.	0.	30.	30.	30.	.00	.00	0.	408000
NC	.150	.150	.065	.1	.5						409000
QT	6.	500.	1140.	1980.	2430.	3740.	2430.	0.	0.	0.	410000
ET	0.	.00	.00	.00	.00	.00	8.11	90.00	160.00	.00	411000

X1	39.49	23.	101.	125.	1570.	2010.	1920.	.00	.00	0.	412000
GR 3689.7	0.	3687.7	4.	3682.6	12.	3683.2	14.	3683.1	28.	413000	
GR 3682.7	35.	3674.9	61.	3673.7	79.	3669.0	101.	3668.8	101.	414000	
GR 3668.4	106.	3667.8	116.	3668.4	123.	3669.0	123.	3669.9	125.	415000	
GR 3671.2	146.	3674.9	176.	3678.9	201.	3682.0	226.	3683.4	241.	416000	
GR 3687.4	256.	3687.7	257.	3689.7	262.	.0	0.	.0	0.	417000	
QT	6.	480.	1100.	1910.	2350.	3600.	2350.	0.	0.	0.	418000
ET	0.	.00	.00	.00	.00	.00	8.11	180.00	250.00	.00	419000

X1	39.79	16.	200.	225.	1600.	1270.	1610.	.00	.00	0.	420000
GR 3699.8	0.	3691.8	160.	3687.8	163.	3680.3	180.	3679.7	200.	421000	
GR 3679.1	210.	3679.1	220.	3679.3	225.	3679.7	225.	3682.4	228.	422000	
GR 3683.1	235.	3682.3	269.	3687.0	279.	3687.8	295.	3694.6	332.	423000	
GR 3699.8	348.	.0	0.	.0	0.	.0	0.	.0	0.	424000	
QT	6.	450.	1040.	1790.	2200.	3380.	2200.	0.	0.	0.	425000
ET	0.	.00	.00	.00	.00	.00	8.11	300.00	380.00	.00	426000

X1	39.96	20.	304.	321.	570.	930.	890.	.00	.00	0.	427000
GR 3702.3	200.	3699.4	250.	3698.0	275.	3697.3	288.	3696.5	294.	428000	
GR 3689.3	304.	3688.8	314.	3688.7	319.	3689.3	321.	3691.8	334.	429000	
GR 3693.2	355.	3691.1	386.	3694.9	404.	3696.9	417.	3692.3	432.	430000	
GR 3693.7	442.	3691.9	460.	3693.3	473.	3701.7	505.	3709.7	570.	431000	
EJ										432000	

LINVILLE RIVER

100-YEAR FLOOD

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

*PROF 1

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

CCHV= .100 CEHV= .500

*SECNO 33.480

3265 DIVIDED FLOW

3720 CRITICAL DEPTH ASSUMED

33.48	6160.	0.	6131.	29.	1.45	0	232.	
3537.99	3537.99	0.	633.	19.	.50	18	3541.60	
5.69	3530.00	.00	9.68	1.51	.00	3539.44	3537.20	
.013311	.000	.120	.035	.120	.00	.00	97.00	
	3532.30	0.	0.	0.	218.	268.	582.92	0.

*SECNO 33.480

3301 HV CHANGED MORE THAN HVINS

33.48	6160.	0.	6157.	3.	.01	2	533.	
3539.57	.00	0.	6889.	35.	-1.44	0	3541.60	
13.67	.00	.00	.89	.09	.00	3539.58	3533.30	
.000014	.029	.120	.035	.120	.14	.00	65.59	
	3525.90	5.	5.	5.	259.	274.	598.27	0.

*SECNO 33.800

33.80	5930.	0.	5930.	0.	.01	2	624.	
3539.59	.00	0.	7719.	0.	-.00	0	3545.40	
16.59	.00	.00	.77	.00	.02	3539.60	3545.00	
.000012	.035	.120	.035	.120	.00	.00	65.38	
	3523.00	1780.	1670.	1460.	311.	313.	689.27	281.

*SECNO 34.070

3301 HV CHANGED MORE THAN HVINS

34.07	5740.	24.	5377.	339.	.72	2	199.	
3540.10	.00	35.	765.	363.	.71	0	3531.70	
12.60	.00	.69	7.03	.93	.86	3540.82	3533.50	
.001132	.035	.150	.035	.150	.36	.00	199.78	
	3527.50	980.	1500.	1750.	46.	154.	399.24	435.

LINVILLE RIVER		100-YEAR FLOOD						
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
CCHV=	.300	CEHV=	.500					
*SECNO 34.090								

GR CARDS REPEATED**

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 3541.50 ELREA= 3541.50

34.09	5740.	0.	5740.	0.	.87	1	67.	
3540.12	.00	0.	767.	0.	.15	0	3531.70	
12.62	.00	.00	7.48	.00	.10	3540.99	3533.50	
.002112	.035	.150	.045	.150	.07	.00	212.00	
	3527.50	60.	60.	60.	34.	34.	279.00	436.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	.00	1.60	3.00	.00	51.50	.00	725.00	.33
ELCHU	ELCHD							
3527.00	3527.00							

*SECNO 34.090
PRESSURE FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
3541.68	3540.71	.00	0.	5740.	725.	725.	3540.00

ELTRD
3542.50

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 3542.50 ELREA= 3542.50

34.09	5740.	0.	5740.	0.	.89	2	61.	
3540.79	.00	0.	758.	0.	.02	0	3542.50	
14.09	.00	.00	7.57	.00	.69	3541.68	3542.50	
.002711	.035	.150	.045	.150	.00	.00	214.00	
	3526.70	40.	40.	40.	31.	31.	275.00	437.

*SECNO 34.090

34.09	5740.	48.	5095.	597.	.50	2	228.	
3541.32	.00	66.	847.	512.	-.39	0	3531.70	
13.82	.00	.73	6.01	1.16	.03	3541.82	3533.50	
.001474	.035	.150	.050	.150	.12	.00	173.00	
	3527.50	15.	15.	15.	72.	155.	400.74	437.

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LINVILLE RIVER

100-YEAR FLOOD

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID		
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	BANK ELEV		
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT		
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA		
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL	

3301 HV CHANGED MORE THAN HVINS

34.41	5680.	141.	5529.	10.	1.40	3	103.		
3547.75	.00	81.	574.	9.	.90	0	3541.00		
10.15	.00	1.75	9.63	1.10	6.88	3549.15	3543.50		
.007148	.042	.150	.055	.150	.45	.00	192.65		
	3537.60	1600.	1620.	1150.	66.	36.	295.25	473.	

CCHV= .300 CEHV= .500
*SECNO 34.410

GR CARDS REPEATED

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 3548.40 ELREA= 3548.80

34.41	5680.	0.	5680.	0.	1.43	2	64.		
3548.01	.00	0.	591.	0.	.03	0	3541.00		
10.41	.00	.00	9.61	.00	.28	3549.45	3543.50		
.006849	.042	.150	.055	.150	.02	.00	227.00		
	3537.60	40.	40.	40.	32.	32.	291.00	474.	

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	.00	1.60	3.00	.00	60.00	.00	565.00	.00
ELCHU	ELCHD							
3537.80	3537.80							

*SECNO 34.410

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
3550.52	3549.47	.00	41.	5642.	565.	564.	3547.20

ELTRD
3549.60

*** NOTE: QWEIR IS GREATER THAN 0 AND ELEV IS LESS THAN ELTRD***

34.41	5680.	204.	5458.	19.	.93	3	121.		
3549.56	.00	154.	693.	18.	-.51	0	3541.00		
11.96	.00	1.32	7.88	1.01	1.04	3550.49	3543.50		

5551.00

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LINVILLE RIVER		100-YEAR FLOOD						
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

*SECNO 34.410

****GR CARDS REPEATED****

34.41	5680.	206.	5455.	19.	.92	0	121.	
3549.61	.00	157.	696.	19.	-.01	0	3541.00	
12.01	.00	1.31	7.84	1.01	.04	3550.53	3543.50	
.003661	.042	.150	.055	.150	.00	.00	176.10	
	3537.60	10.	10.	10.	83.	38.	297.28	475.

CCHV= .100 CEHV= .500

*SECNO 34.610

34.61	5640.	30.	5524.	86.	.50	2	121.	
3552.89	.00	33.	964.	74.	-.42	0	3545.40	
11.89	.00	.91	5.73	1.16	2.82	3553.39	3545.40	
.002066	.044	.150	.055	.150	.04	.00	34.15	
	3541.00	900.	1070.	1110.	55.	66.	155.64	498.

*SECNO 34.750

****GR CARDS REPEATED****

3301 HV CHANGED MORE THAN HVINS

34.75	5640.	10.	5605.	25.	1.26	5	108.	
3556.71	.00	9.	622.	18.	.76	0	3552.90	
8.21	.00	1.22	9.02	1.39	4.19	3557.96	3552.90	
.009175	.046	.150	.055	.150	.38	.00	38.50	
	3548.50	940.	750.	310.	51.	57.	146.74	513.

*SECNO 34.960

3280 CROSS SECTION 34.96 EXTENDED 2.62 FEET

3301 HV CHANGED MORE THAN HVINS

34.96	5580.	941.	4248.	390.	.51	2	545.	
3561.22	.00	859.	652.	461.	-.75	0	3550.40	
12.42	.00	1.10	6.51	.85	3.69	3561.73	3550.40	
.002125	.047	.150	.055	.150	.08	.00	.00	
	3548.80	530.	1110.	1360.	332.	213.	544.87	542.

*SECNO 35.000

****GR CARDS REPEATED****

3280 CROSS SECTION 35.00 EXTENDED 2.99 FEET

35.00	5580.	1023.	4108.	449.	.43	2	546.	
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1									
2	.001795	.047	.150	.055	.150	.01	.00	.00	
3		3548.80	140.	150.	110.	332.	214.	546.36	548.
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LINVILLE RIVER

100-YEAR FLOOD

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
*SECNO 35.000								
35.00	5580.	1023.	4199.	358.	.43	0	581.	
3561.59	.00	921.	697.	267.	-.00	0	3552.40	
12.49	.00	1.11	6.02	1.34	.00	3562.02	3551.90	
.002629	.047	.150	.055	.150	.00	.00	41.56	
	3549.10	1.	1.	1.	416.	165.	622.75	548.

*SECNO 35.000

****GR CARDS REPEATED****

35.00	5580.	1062.	4152.	366.	.40	2	583.	
3561.72	.00	971.	707.	284.	-.02	0	3552.40	
12.62	.00	1.09	5.88	1.29	.10	3562.12	3551.90	
.002459	.047	.150	.055	.150	.00	.00	41.05	
	3549.10	40.	40.	40.	416.	167.	624.40	550.

*SECNO 35.000

35.00	5580.	783.	4697.	100.	.47	2	583.	
3561.69	.00	896.	784.	169.	.07	0	3553.80	
12.69	.00	.87	5.99	.59	.00	3562.16	3552.40	
.002038	.047	.150	.055	.150	.03	.00	41.17	
	3549.00	1.	1.	1.	416.	167.	624.01	550.

*SECNO 35.020

35.02	5580.	926.	4523.	132.	.46	2	586.	
3561.90	.00	974.	746.	199.	-.01	0	3553.80	
11.00	.00	.95	6.06	.66	.20	3562.36	3551.80	
.002217	.047	.150	.055	.150	.00	.00	40.37	
	3550.90	50.	100.	170.	417.	169.	626.61	554.

*SECNO 35.560

35.56	5480.	1096.	4218.	165.	.46	3	260.	
3568.42	.00	811.	683.	114.	-.00	0	3558.00	
13.62	.00	1.35	6.18	1.45	6.53	3568.89	3555.60	
.002382	.052	.150	.065	.150	.00	.00	207.52	
	3554.80	2700.	2870.	2840.	216.	44.	467.76	666.

*SECNO 36.070

36.07	5400.	670.	2913.	1818.	.21	3	915.	
3573.66	.00	383.	596.	2156.	-.25	0	3561.60	
13.46	.00	1.75	4.89	.84	4.96	3573.87	3561.70	
.001506	.055	.150	.065	.150	.03	.00	13.96	
	3560.20	2210.	2730.	2960.	65.	850.	928.59	814.

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LINVILLE RIVER

100-YEAR FLOOD

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

*SECNO 36.380

36.38	5350.	903.	3567.	880.	.32	2	444.	
3576.43	.00	635.	658.	612.	.11	0	3569.00	
11.93	.00	1.42	5.42	1.44	2.82	3576.74	3569.10	
.002349	.056	.150	.065	.150	.05	.00	137.34	
	3564.50	1890.	1550.	1000.	169.	275.	581.48	890.

CCHV= .300 CEHV= .500

*SECNO 36.380

36.38	5350.	691.	3803.	856.	.32	1	446.	
3576.49	.00	637.	709.	629.	.01	0	3569.00	
12.89	.00	1.08	5.36	1.36	.07	3576.82	3569.10	
.001353	.056	.150	.050	.120	.00	.00	136.60	
	3563.60	40.	40.	40.	169.	277.	582.66	892.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	.00	55.00	2.00	185.00	.00
ELCHU	ELCHD							
3564.10	3564.10							

*SECNO 36.380

****GR CARDS REPEATED****

6870 D.S. ENERGY OF 3576.82 HIGHER THAN COMPUTED ENERGY OF 3576.78
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
3597.27	3576.84	.03	4759.	631.	185.	186.	3567.60

ELTRD

3569.00

36.38	5350.	690.	3804.	856.	.32	2	446.	
3576.49	.00	636.	709.	628.	.00	0	3569.00	
12.89	.00	1.08	5.37	1.36	.00	3576.82	3569.10	
.001357	.056	.150	.050	.120	.00	.00	136.67	
	3563.60	40.	40.	40.	169.	277.	582.55	893.

*SECNO 36.380

36.38	5350.	781.	3657.	913.	.40	2	479.	
3576.47	.00	701.	602.	613.	.08	0	3568.00	
11.77	.00	1.11	6.08	1.49	.02	3576.87	3568.60	
.001783	.056	.150	.050	.120	.04	.00	103.26	

LINVILLE RIVER		100-YEAR FLOOD						
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
CCHV=	.100	CEHV=	.500					
*SECNO 36.600								

GR CARDS REPEATED

3265 DIVIDED FLOW

36.60	4170.	899.	2385.	886.	.11	2	510.	
3578.07	.00	982.	688.	1036.	-.29	0	3568.00	
13.37	.00	.92	3.47	.85	1.28	3578.18	3568.60	
.000821	.057	.150	.065	.150	.03	.00	68.60	
	3564.70	1140.	1140.	1140.	235.	305.	608.81	954.

*SECNO 36.790

3301 HV CHANGED MORE THAN HVINS

36.79	4130.	638.	2951.	541.	.77	5	311.	
3581.68	.00	275.	358.	302.	.66	0	3573.20	
9.08	.00	2.32	8.24	1.79	3.94	3582.45	3573.20	
.007158	.057	.150	.065	.150	.33	.00	61.28	
	3572.60	1120.	980.	870.	121.	190.	372.43	996.

*SECNO 37.200

3265 DIVIDED FLOW

37.20	4050.	620.	2995.	435.	.52	4	249.	
3592.00	.00	359.	451.	273.	-.26	0	3582.20	
11.90	.00	1.73	6.64	1.59	10.04	3592.52	3581.10	
.003357	.058	.150	.065	.150	.03	.00	171.98	
	3580.10	2230.	2220.	2020.	127.	154.	453.34	1046.

*SECNO 37.580

37.58	3970.	138.	1804.	2028.	.56	7	480.	
3603.24	.00	66.	208.	1119.	.04	0	3595.40	
9.04	.00	2.10	8.66	1.81	11.26	3603.79	3595.40	
.008264	.059	.150	.065	.150	.02	.00	269.19	
	3594.20	1750.	1970.	1930.	29.	451.	749.44	1100.

*SECNO 37.690

37.69	3970.	845.	3063.	62.	.51	2	324.	
3607.04	.00	585.	471.	45.	-.04	0	3601.40	
10.04	.00	1.45	6.51	1.37	3.76	3607.56	3600.80	
.004734	.059	.150	.065	.150	.00	.00	723.12	
	3597.00	580.	640.	610.	276.	47.	1046.79	1118.

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LINVILLE RIVER

100-YEAR FLOOD

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
*SECNO 37.900								
37.90	3970.	275.	3391.	304.	.56	2	126.	
3611.50	.00	148.	524.	153.	.05	0	3606.20	
9.30	.00	1.86	6.48	1.98	4.49	3612.07	3606.00	
.004660	.060	.150	.065	.150	.02	.00	4941.05	
	3602.20	390.	1050.	1010.	64.	62.	5066.69	1135.

*SECNO 37.900

3265 DIVIDED FLOW

37.90	3970.	268.	3302.	400.	.61	2	118.	
3611.49	.00	126.	487.	153.	.04	0	3622.60	
9.29	.00	2.12	6.78	2.61	.01	3612.10	3606.00	
.008107	.060	.150	.065	.150	.02	.00	4941.06	
	3602.20	1.	1.	1.	64.	62.	5066.68	1135.

*SECNO 37.900

****GR CARDS REPEATED*****

3265 DIVIDED FLOW

37.90	3970.	284.	3267.	420.	.54	2	119.	
3611.90	.00	139.	510.	166.	-.07	0	3622.60	
9.70	.00	2.04	6.40	2.52	.34	3612.44	3606.00	
.006932	.060	.150	.065	.150	.01	.00	4940.40	
	3602.20	45.	45.	45.	65.	62.	5067.32	1136.

*SECNO 37.900

37.90	3970.	292.	3360.	318.	.50	2	127.	
3611.95	.00	164.	551.	168.	-.04	0	3606.20	
9.75	.00	1.78	6.10	1.89	.00	3612.45	3606.00	
.003856	.060	.150	.065	.150	.00	.00	4940.32	
	3602.20	1.	1.	1.	65.	62.	5067.39	1136.

*SECNO 38.050

3301 HV CHANGED MORE THAN HVINS

38.05	3870.	20.	3269.	581.	1.32	4	62.	
3616.95	.00	14.	333.	127.	.82	0	3609.10	
9.45	.00	1.42	9.83	4.59	5.41	3618.27	3610.00	
.011070	.060	.150	.065	.120	.41	.00	77.00	
	3607.50	830.	760.	430.	21.	41.	138.66	1147.

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LINVILLE RIVER

100-YEAR FLOOD

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

*SECNO 38.200

3301 HV CHANGED MORE THAN HVINS

38.20	3870.	147.	3680.	42.	2.94	6	64.	
3625.20	3625.12	46.	261.	20.	1.62	15	3619.60	
7.40	.00	3.23	14.08	2.10	9.05	3628.13	3619.60	
.013959	.059	.100	.045	.150	.81	.00	305.46	
	3617.80	870.	730.	610.	38.	26.	369.24	1153.

CCHV= .300 CEHV= .500

*SECNO 38.200

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE, NRD= 8 MIN ELTRD= 3642.20 MAX ELLC= 3641.70

38.20	3870.	160.	3664.	46.	1.82	5	63.	
3627.05	.00	62.	330.	38.	-1.12	0	3639.40	
9.45	.00	2.57	11.11	1.20	.40	3628.87	3619.30	
.007920	.059	.100	.045	.150	.33	.00	304.08	
	3617.60	40.	40.	40.	40.	31.	375.21	1154.

*SECNO 38.200

****GR CARDS REPEATED*****

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 8 MIN ELTRD= 3642.20 MAX ELLC= 3641.70

38.20	3870.	182.	3639.	49.	1.57	2	65.	
3627.66	.00	74.	352.	44.	-.25	0	3639.40	
10.06	.00	2.47	10.35	1.12	.28	3629.23	3619.30	
.006416	.059	.100	.045	.150	.08	.00	303.14	
	3617.60	40.	40.	40.	41.	32.	375.81	1154.

CCHV= .300 CEHV= .500

*SECNO 38.200

38.20	3870.	275.	3446.	148.	1.19	3	72.	
3628.22	.00	111.	373.	48.	-.38	0	3619.60	
10.42	.00	2.47	9.23	3.09	.07	3629.41	3619.60	
.007787	.059	.150	.065	.100	.11	.00	300.92	

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LINVILLE RIVER		100-YEAR FLOOD						
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
CCHV=	.100	CEHV=	.500					
*SECNO 38.300								

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

38.30	3820.	559.	3029.	232.	.56	2	201.	
3631.87	.00	252.	453.	165.	-.63	0	3626.40	
9.97	.00	2.22	6.69	1.41	2.96	3632.43	3627.00	
.004952	.060	.130	.065	.150	.06	.00	114.80	
	3621.90	310.	500.	690.	101.	142.	357.63	1162.

CCHV= .300 CEHV= .500
*SECNO 38.300

****GR CARDS REPEATED****

3265 DIVIDED FLOW

38.30	3820.	587.	2973.	260.	.50	0	330.	
3632.19	.00	292.	469.	200.	-.07	0	3626.40	
10.29	.00	2.01	6.34	1.30	.23	3632.68	3627.00	
.004251	.060	.130	.065	.150	.02	.00	59.21	
	3621.90	50.	50.	50.	157.	176.	391.83	1163.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	.00	45.00	2.00	480.00	1.59
	ELCHU	ELCHD						
	3621.80	3621.80						

*SECNO 38.300

****GR CARDS REPEATED****

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
3633.76	3633.25	.05	511.	3276.	480.	480.	3630.30

ELTRD
3632.40

38.30	3820.	667.	2796.	357.	.35	2	379.
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1	11.07	.00	1.07	5.47	1.06	.66	3633.34	3627.00	
2	.002858	.060	.130	.065	.150	.00	.00	54.23	
3		3621.90	40.	40.	40.	162.	217.	433.14	1164.

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LINVILLE RIVER		100-YEAR FLOOD						
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

*SECNO 38.300

****GR CARDS REPEATED****

38.30	3820.	616.	2912.	292.	.44	2	349.	
3632.98	.00	331.	484.	246.	.09	0	3626.90	
10.58	.00	1.86	6.02	1.19	.03	3633.42	3627.50	
.003685	.060	.130	.065	.150	.04	.00	57.41	
	3622.40	10.	10.	10.	159.	191.	406.77	1164.

CCHV= .100 CEHV= .500

*SECNO 38.500

38.50	2730.	451.	2073.	206.	.52	2	216.	
3636.75	.00	239.	315.	155.	.08	0	3627.40	
10.15	.00	1.89	6.59	1.33	3.82	3637.28	3628.20	
.004007	.060	.130	.065	.150	.04	.00	175.69	
	3626.60	950.	1000.	1010.	103.	113.	391.68	1184.

*SECNO 38.600

38.60	2730.	361.	1810.	559.	.31	2	302.	
3638.80	.00	155.	341.	450.	-.22	0	3631.30	
8.70	.00	2.32	5.30	1.24	1.81	3639.11	3633.40	
.003315	.060	.110	.065	.120	.02	.00	165.71	
	3630.10	410.	540.	380.	65.	237.	467.40	1193.

CCHV= .300 CEHV= .500

*SECNO 38.640

3301 HV CHANGED MORE THAN HVINS

38.64	2730.	0.	2730.	0.	1.64	2	35.	
3639.98	.00	0.	265.	0.	1.34	0	3644.40	
8.88	.00	.00	10.29	.00	1.85	3641.62	3644.40	
.015147	.060	.110	.055	.080	.67	.00	212.00	
	3631.10	200.	200.	200.	18.	18.	247.00	1196.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	2.15	3.00	.00	31.60	2.00	420.00	.21
ELCHU	ELCHD							
3631.40	3631.40							

*SECNO 38.680

****GR CARDS REPEATED****

CLASS A LOW FLOW

3420 BRIDGE W.S. = 3637.65 BRIDGE VELOCITY = 10.57
CALCULATED CHANNEL AREA = 258.

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LINVILLE RIVER		100-YEAR FLOOD						
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
.00	3642.01	.63	0.	2730.	420.	420.	3644.40

ELTRD
3647.80

38.68	2730.	0.	2730.	0.	1.40	0	35.	
3640.61	.00	0.	288.	0.	-.25	0	3644.40	
9.51	.00	.00	9.49	.00	.39	3642.01	3644.40	
.011964	.060	.110	.055	.080	.00	.00	212.00	
	3631.10	250.	250.	250.	18.	18.	247.00	1197.

CCHV= .300 CEHV= .500

*SECNO 38.680

3301 HV CHANGED MORE THAN HVINS

38.68	2730.	287.	2246.	197.	.73	3	89.	
3641.86	.00	119.	303.	59.	-.67	0	3635.30	
7.76	.00	2.42	7.43	3.35	.37	3642.59	3637.40	
.005460	.060	.130	.055	.070	.20	.00	183.47	
	3634.10	50.	50.	50.	47.	41.	271.99	1198.

CCHV= .100 CEHV= .500

*SECNO 38.730

38.73	2660.	214.	2335.	111.	1.04	6	219.	
3642.91	3641.31	97.	268.	90.	.32	14	3637.20	
6.91	.00	2.21	8.72	1.23	1.21	3643.96	3639.30	
.007310	.060	.150	.050	.120	.16	.00	185.13	
	3636.00	430.	170.	90.	45.	174.	404.40	1200.

*SECNO 39.050

3265 DIVIDED FLOW

39.05	2570.	0.	2050.	520.	.59	5	455.	
3655.06	.00	0.	298.	417.	-.45	0	3655.90	
7.66	.00	.00	6.88	1.25	11.65	3655.65	3656.50	
.006533	.059	.150	.050	.100	.05	.00	412.54	
	3647.40	1790.	1700.	1570.	29.	463.	904.88	1222.

*SECNO 39.070

LINVILLE RIVER

100-YEAR FLOOD

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

39.07	2570.	14.	2125.	431.	1.17	2	294.	
3657.43	3657.43	14.	223.	304.	.58	12	3655.90	
7.23	.00	1.00	9.52	1.42	1.40	3658.60	3655.90	
.010779	.059	.130	.050	.130	.01	.00	96.66	
	3650.20	130.	130.	130.	39.	255.	390.77	1224.

CCHV= .300 CEHV= .500
*SECNO 39.110

****GR CARDS REPEATED****

3301 HV CHANGED MORE THAN HVINS

39.11	2570.	66.	1581.	922.	.28	2	317.	
3659.37	.00	72.	294.	764.	-.88	0	3655.90	
9.17	.00	.92	5.37	1.21	.78	3659.65	3655.90	
.002369	.059	.130	.050	.130	.27	.00	77.38	
	3650.20	300.	200.	200.	58.	259.	394.35	1228.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	.00	1.60	3.00	.00	24.40	.00	243.00	1.47
ELCHU		ELCHD						
3650.20		3650.20						

*SECNO 39.110

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
3662.15	3659.65	.00	1276.	1306.	243.	243.	3657.20
ELTRD							
3657.40							

39.11	2570.	88.	2399.	84.	.98	3	287.	
3659.11	.00	61.	292.	127.	.69	0	3655.90	
8.91	.00	1.43	8.21	.66	.43	3660.08	3658.20	

LINVILLE RIVER

100-YEAR FLOOD

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID		
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV		
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT		
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA		
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST		VOL

*SECNO 39.110

****GR CARDS REPEATED****

39.11	2570.	106.	2283.	181.	.75	2	318.		
3659.57	.00	79.	310.	233.	-.23	0	3655.90		
9.37	.00	1.35	7.35	.78	.16	3660.31	3658.20		
.004648	.059	.130	.050	.130	.07	.00	76.26		
	3650.20	30.	30.	30.	61.	258.	394.51		1229.

CCHV= .100 CEHV= .500

*SECNO 39.490

39.49	2430.	300.	1626.	504.	.93	13	122.		
3675.62	.00	119.	175.	185.	.18	0	3669.00		
7.82	.00	2.53	9.28	2.72	16.15	3676.55	3669.90		
.012314	.059	.150	.065	.150	.09	.00	58.60		
	3667.80	1570.	1920.	2010.	54.	67.	180.50		1253.

*SECNO 39.790

39.79	2350.	502.	1374.	474.	.44	4	125.		
3687.48	.00	208.	206.	245.	-.50	0	3679.70		
8.38	.00	2.42	6.67	1.93	11.31	3687.91	3679.70		
.005238	.060	.150	.065	.150	.05	.00	163.74		
	3679.10	1600.	1610.	1270.	49.	76.	288.49		1272.

*SECNO 39.960

3265 DIVIDED FLOW

39.96	2200.	60.	1067.	1073.	.72	6	174.		
3695.60	.00	27.	113.	428.	.29	0	3689.30		
6.90	.00	2.18	9.47	2.51	8.27	3696.32	3689.30		
.013870	.060	.150	.065	.150	.14	.00	295.27		
	3688.70	570.	890.	930.	17.	169.	481.72		1284.

THIS RUN EXECUTED 06/21/88, 9:27 AM

HEC2 RELEASE DATED NOV 76 UPDATED APRIL 1980

ERROR CORR - 01,02,03,04,05,06

MODIFICATION - 50,51,52,53,54

T1	AVERY CO., N.C.	DSN=LINVILLE	004	33000
T2	100-YEAR FLOODWAY	F294	004	34000
T3	LINVILLE RIVER	FLOOD PROFILES	004	35000

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ	
	0.	7.	0.	0.	-1.00000	0.	.00	0.	3530.00	.00	436000

J2	NPROF	IPLLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE	
	15.	0.	-1.	0.	0.	.00	.0	0.	0.	0.	437000

LINVILLE RIVER		100-YEAR FLOODWA						
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRISWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

*PROF 2

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

CCHV= .100 CEHV= .500

*SECNO 33.480

3265 DIVIDED FLOW

3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=		62.0	567.0	TYPE=	1	TARGET=	505.000	
33.48	6160.	0.	6160.	0.	1.49	0	216.	
3537.97	3537.97	0.	629.	0.	.50	18	3541.60	
5.67	3537.99	.00	9.80	.00	.00	3539.46	100000.00	
.013808	.000	.120	.035	.120	.00	.00	97.00	
	3532.30	0.	0.	0.	218.	252.	567.00	0.

*SECNO 33.480

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=		65.0	570.0	TYPE=	1	TARGET=	505.000	
33.48	6160.	0.	6160.	0.	.01	2	504.	
3539.59	.00	0.	6733.	0.	-1.48	0	100000.00	
13.69	3539.57	.00	.91	.00	.00	3539.60	100000.00	
.000015	.029	.120	.035	.120	.15	.00	65.54	
	3525.90	5.	5.	5.	259.	245.	570.00	0.

*SECNO 33.800

3470 ENCROACHMENT STATIONS=		120.0	630.0	TYPE=	1	TARGET=	510.000	
33.80	5930.	0.	5930.	0.	.01	2	510.	
3539.62	.00	0.	7008.	0.	-.00	0	100000.00	
16.62	3539.59	.00	.85	.00	.02	3539.63	100000.00	
.000013	.035	.120	.035	.120	.00	.00	120.00	
	3523.00	1780.	1670.	1460.	256.	254.	630.00	264.

LINVILLE RIVER

100-YEAR FLOODWA

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

*SECNO 34.070

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=	205.0	280.0	TYPE=	1	TARGET=	75.000		
34.07	5740.	25.	5713.	2.	.85	2	75.	
3540.15	.00	34.	768.	7.	.84	0	3531.70	
12.65	3540.10	.73	7.44	.32	.95	3541.00	3533.50	
.001259	.035	.150	.035	.150	.42	.00	205.00	
	3527.50	980.	1500.	1750.	41.	34.	280.00	398.

CCHV= .300 CEHV= .500

*SECNO 34.090

****GR CARDS REPEATED****

3470 ENCROACHMENT STATIONS=	205.0	280.0	TYPE=	1	TARGET=	75.000
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3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 3541.50 ELREA= 3541.50

34.09	5740.	0.	5740.	0.	.85	2	67.	
3540.25	.00	0.	775.	0.	-.00	0	3531.70	
12.75	3540.12	.00	7.40	.00	.10	3541.10	3533.50	
.002039	.035	.150	.045	.150	.00	.00	212.00	
	3527.50	60.	60.	60.	34.	34.	279.00	399.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLN	BWC	BWP	BAREA	SS
	.00	1.60	3.00	.00	51.50	.00	725.00	.33
ELCHU	ELCHD							
3527.00	3527.00							

*SECNO 34.090

3700. BRIDGE STENCL= 205.00 STENCR= 280.00

PRESSURE FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
3541.81	3540.81	.00	0.	5740.	725.	725.	3540.00

ELTRD

3542.50

3470 ENCROACHMENT STATIONS=	205.0	280.0	TYPE=	1	TARGET=	75.000
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LINVILLE RIVER		100-YEAR FLOODWA						
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 3542.50 ELREA= 3542.50

34.09	5740.	0.	5740.	0.	.87	2	61.	
3540.94	.00	0.	768.	0.	.02	0	3542.50	
14.24	3540.79	.00	7.48	.00	.71	3541.81	3542.50	
.002616	.035	.150	.045	.150	.00	.00	214.00	
	3526.70	40.	40.	40.	31.	31.	275.00	400.

*SECNO 34.090

3470 ENCROACHMENT STATIONS= 205.0 280.0 TYPE= 1 TARGET= 75.000

34.09	5740.	40.	5697.	3.	.71	2	75.	
3541.18	.00	41.	837.	8.	-.16	0	3531.70	
13.68	3541.32	.97	6.80	.40	.03	3541.89	3533.50	
.001918	.035	.150	.050	.150	.05	.00	205.00	
	3527.50	15.	15.	15.	41.	34.	280.00	400.

CCHV= .100 CEHV= .500

*SECNO 34.410

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 221.0 291.0 TYPE= 1 TARGET= 70.000

34.41	5680.	64.	5616.	0.	1.36	4	70.	
3548.12	.00	36.	598.	0.	.64	0	3541.00	
10.52	3547.75	1.80	9.40	.00	7.26	3549.47	100000.00	
.007051	.042	.150	.055	.150	.32	.00	221.00	
	3537.60	1600.	1620.	1150.	38.	32.	291.00	428.

CCHV= .300 CEHV= .500

*SECNO 34.410

****GR CARDS REPEATED****

3470 ENCROACHMENT STATIONS= 221.0 291.0 TYPE= 1 TARGET= 70.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 3548.40 ELREA= 3548.80

34.41	5680.	65.	5615.	0.	1.24	4	70.	
3548.53	.00	38.	624.	0.	-.11	0	3541.00	
10.93	3548.01	1.71	9.00	.00	.26	3549.77	100000.00	
.006159	.042	.150	.055	.150	.03	.00	221.00	
	3537.60	40.	40.	40.	38.	32.	291.00	429.

LINVILLE RIVER		100-YEAR FLOODWA						
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
.00		1.60	3.00	.00	60.00	.00	565.00	.00
ELCHU		ELCHD						
3537.80		3537.80						

*SECNO 34.410
 3700. BRIDGE STENCL= 221.00 STENCR= 291.00
 PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
3551.04	3549.92	.00	24.	5680.	565.	564.	3547.20

ELTRD
 3549.60

3470 ENCROACHMENT STATIONS=		221.0	291.0	TYPE=	1	TARGET=	70.000	
34.41	5680.	54.	5626.	0.	.92	2	70.	
3550.12	.00	44.	729.	0.	-.33	0	3541.00	
12.52	3549.56	1.24	7.72	.00	1.27	3551.04	100000.00	
.003789	.042	.150	.055	.150	.00	.00	221.00	
	3537.60	40.	40.	40.	38.	32.	291.00	430.

*SECNO 34.410

****GR CARDS REPEATED*****

3470 ENCROACHMENT STATIONS=		221.0	291.0	TYPE=	1	TARGET=	70.000	
34.41	5680.	55.	5625.	0.	.91	0	70.	
3550.17	.00	44.	732.	0.	-.01	0	3541.00	
12.57	3549.61	1.24	7.69	.00	.04	3551.08	100000.00	
.003747	.042	.150	.055	.150	.00	.00	221.00	
	3537.60	10.	10.	10.	38.	32.	291.00	430.

CCHV= .100 CEHV= .500

*SECNO 34.610

3470 ENCROACHMENT STATIONS=		40.0	140.0	TYPE=	1	TARGET=	100.000	
34.61	5640.	14.	5598.	28.	.48	2	100.	
3553.30	.00	20.	1002.	27.	-.43	0	3545.40	
12.30	3552.89	.71	5.59	1.03	2.66	3553.78	3545.40	
.001865	.044	.150	.055	.150	.04	.00	40.00	
	3541.00	900.	1070.	1110.	50.	50.	140.00	452.

****GR CARDS REPEATED****

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LINVILLE RIVER		100-YEAR FLOODWA						
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=	40.0	140.0	TYPE=	1	TARGET=	100.000		
34.75	5640.	10.	5614.	17.	1.21	5	100.	
3556.85	.00	8.	635.	11.	.73	0	3552.90	
8.35	3556.71	1.21	8.85	1.47	3.91	3558.06	3552.90	
.008582	.045	.150	.055	.150	.36	.00	40.00	
	3548.50	940.	750.	310.	50.	50.	140.00	467.

*SECNO 34.960

3470 ENCROACHMENT STATIONS=	260.0	360.0	TYPE=	1	TARGET=	100.000		
34.96	5580.	589.	4987.	5.	.76	2	100.	
3561.65	.00	311.	676.	10.	-.45	0	3550.40	
12.85	3561.22	1.89	7.38	.47	4.31	3562.41	3550.40	
.002604	.047	.150	.055	.150	.04	.00	260.00	
	3548.80	530.	1110.	1360.	72.	28.	360.00	486.

*SECNO 35.000

****GR CARDS REPEATED****

3470 ENCROACHMENT STATIONS=	240.0	375.0	TYPE=	1	TARGET=	135.000		
35.00	5580.	652.	4859.	69.	.65	2	135.	
3562.12	.00	392.	701.	68.	-.11	0	3550.40	
13.32	3561.59	1.66	6.93	1.02	.35	3562.78	3550.40	
.002184	.047	.150	.055	.150	.01	.00	240.00	
	3548.80	140.	150.	110.	92.	43.	375.00	489.

*SECNO 35.000

3470 ENCROACHMENT STATIONS=	365.0	500.0	TYPE=	1	TARGET=	135.000		
35.00	5580.	672.	4811.	97.	.57	2	135.	
3562.22	.00	363.	742.	71.	-.08	0	3552.40	
13.12	3561.59	1.85	6.48	1.36	.00	3562.79	3551.90	
.002805	.047	.150	.055	.150	.01	.00	365.00	
	3549.10	1.	1.	1.	93.	42.	500.00	489.

*SECNO 35.000

****GR CARDS REPEATED****

3470 ENCROACHMENT STATIONS=	365.0	500.0	TYPE=	1	TARGET=	135.000		
35.00	5580.	678.	4806.	97.	.55	2	135.	
3562.35	.00	370.	751.	72.	-.02	0	3552.40	

3549.10 .041 .150 .055 .150 .00 .00 365.00
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PRINTED IN U.S.A.

LINVILLE RIVER		100-YEAR FLOODWA						
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

*SECNO 35.000

3470 ENCROACHMENT STATIONS=	365.0	500.0	TYPE=	1	TARGET=	135.000		
35.00	5580.	413.	5124.	43.	.54	1	135.	
3562.36	.00	309.	831.	43.	-.01	0	3553.80	
13.36	3561.69	1.34	6.16	1.00	.00	3562.90	3552.40	
.001996	.047	.150	.055	.150	.00	.00	365.00	
	3549.00	1.	1.	1.	93.	42.	500.00	490.

*SECNO 35.020

3470 ENCROACHMENT STATIONS=	365.0	500.0	TYPE=	1	TARGET=	135.000		
35.02	5580.	467.	5063.	50.	.58	2	135.	
3562.55	.00	320.	793.	46.	.03	0	3553.80	
11.65	3561.90	1.46	6.39	1.09	.21	3563.13	3551.80	
.002273	.047	.150	.055	.150	.02	.00	365.00	
	3550.90	50.	100.	170.	93.	42.	500.00	493.

*SECNO 35.560

3470 ENCROACHMENT STATIONS=	300.0	460.0	TYPE=	1	TARGET=	160.000		
35.56	5480.	843.	4494.	143.	.50	2	160.	
3569.12	.00	560.	719.	99.	-.07	0	3558.00	
14.32	3568.42	1.51	6.25	1.44	6.49	3569.62	3555.60	
.002280	.052	.150	.065	.150	.01	.00	300.00	
	3554.80	2700.	2870.	2840.	124.	36.	460.00	575.

*SECNO 36.070

3470 ENCROACHMENT STATIONS=	40.0	350.0	TYPE=	1	TARGET=	310.000		
36.07	5400.	443.	3476.	1480.	.31	2	310.	
3574.60	.00	208.	639.	1180.	-.20	0	3561.60	
14.40	3573.66	2.14	5.44	1.25	5.27	3574.91	3561.70	
.001701	.055	.150	.065	.150	.02	.00	40.00	
	3560.20	2210.	2730.	2960.	39.	271.	350.00	680.

*SECNO 36.380

3470 ENCROACHMENT STATIONS=	220.0	410.0	TYPE=	1	TARGET=	190.000		
36.38	5350.	653.	3766.	931.	.32	2	190.	
3577.32	.00	416.	709.	556.	.01	0	3569.00	
12.82	3576.43	1.57	5.31	1.67	2.73	3577.64	3569.10	
.002035	.056	.150	.065	.150	.01	.00	220.00	
	3564.50	1890.	1550.	1000.	86.	104.	410.00	738.

LINVILLE RIVER 100-YEAR FLOODWA
MILE Q QLOB QCH GROB HV ITRIAL TOPWID
ELEV CRIWS ALOB ACH AROB DRV IDC BANK ELEV
DEPTH WSELK VLOB VCH VROB HL EG LEFT/RIGHT
SLOPE WTN XNL XNCH XNR OLOSS CORAR SSTA
ELMIN XLOBL XLCH XLOBR WSDL WSDR ENDST VOL
CCHV= .300 CEHV= .500
*SECNO 36.380

3470 ENCROACHMENT STATIONS= 220.0 410.0 TYPE= 1 TARGET= 190.000
36.38 5350. 489. 3968. 892. .32 1 190.
3577.38 .00 411. 762. 561. .00 0 3569.00
13.78 3576.49 1.19 5.21 1.59 .06 3577.70 3569.10
.001162 .056 .150 .050 .120 .00 .00 220.00
3563.60 40. 40. 40. 86. 104. 410.00 739.

SPECIAL BRIDGE

SB HK XKOR COFQ RDLEN BWC BWP BAREA SS
1.25 1.60 3.00 .00 55.00 2.00 185.00 .00
ELCHU ELCHD
3564.10 3564.10

*SECNO 36.380

3700. BRIDGE STENCL= 220.00 STENCR= 410.00

GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS EGLWC H3 QWEIR QPR BAREA TAREA ELLC
3598.16 3577.73 .03 4658. 723. 185. 186. 3567.60

ELTRD
3569.00

3470 ENCROACHMENT STATIONS= 220.0 410.0 TYPE= 1 TARGET= 190.000
36.38 5350. 491. 3964. 895. .32 2 190.
3577.44 .00 414. 765. 565. -.00 0 3569.00
13.84 3576.49 1.19 5.18 1.58 .06 3577.76 3569.10
.001143 .056 .150 .050 .120 .00 .00 220.00
3563.60 40. 40. 40. 86. 104. 410.00 741.

*SECNO 36.380

3470 ENCROACHMENT STATIONS= 220.0 410.0 TYPE= 1 TARGET= 190.000
36.38 5350. 387. 3967. 996. .44 2 190.
3577.40 .00 311. 652. 556. .12 0 3568.00
12.70 3576.47 1.24 6.09 1.79 .01 3577.83 3568.60
.001608 .056 .150 .050 .120 .06 .00 220.00
3564.70 10. 10. 10. 84. 106. 410.00 741.

CCHV= .100 CERV= .500

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LINVILLE RIVER

100-YEAR FLOODWA

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

*SECNO 36.600

GR CARDS REPEATED

3470 ENCROACHMENT STATIONS=								
36.60	4170.	445.	2873.	852.	.17	2	190.	
3579.04	.00	404.	741.	686.	-.27	0	3568.00	
14.34	3578.07	1.10	3.88	1.24	1.35	3579.21	3568.60	
.000932	.057	.150	.065	.150	.03	.00	220.00	
	3564.70	1140.	1140.	1140.	84.	106.	410.00	785.

*SECNO 36.790

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=								
36.79	4130.	490.	3207.	433.	.86	4	85.	
3582.37	.00	152.	386.	175.	.69	0	3573.20	
9.77	3581.68	3.23	8.31	2.48	3.68	3583.23	3573.20	
.006585	.057	.150	.065	.150	.35	.00	145.00	
	3572.60	1120.	980.	870.	37.	48.	230.00	813.

*SECNO 37.200

3470 ENCROACHMENT STATIONS=								
37.20	4050.	353.	3215.	482.	.59	4	110.	
3592.48	.00	177.	470.	269.	-.27	0	3582.20	
12.38	3592.00	1.99	6.84	1.79	9.80	3593.06	3581.10	
.003371	.058	.150	.065	.150	.03	.00	260.00	
	3580.10	2230.	2220.	2020.	39.	71.	370.00	854.

*SECNO 37.580

3470 ENCROACHMENT STATIONS=								
37.58	3970.	161.	2125.	1684.	.76	7	295.	
3604.03	.00	67.	227.	819.	.17	0	3595.40	
9.83	3603.24	2.42	9.35	2.05	11.64	3604.79	3595.40	
.008597	.059	.150	.065	.150	.09	.00	275.00	
	3594.20	1750.	1970.	1930.	23.	272.	570.00	899.

*SECNO 37.690

3470 ENCROACHMENT STATIONS=								
37.69	3970.	273.	3675.	22.	.72	2	80.	
3607.97	.00	137.	522.	19.	-.04	0	3601.40	
10.97	3607.04	1.99	7.05	1.14	3.90	3608.69	3600.80	

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LINVILLE RIVER

100-YEAR FLOODWA

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

*SECNO 37.900

3470 ENCROACHMENT STATIONS=								
	4970.0	5055.0	TYPE=	1	TARGET=	85.000		
37.90	3970.	56.	3680.	234.	.58	2	85.	
3612.50	.00	31.	583.	131.	-.14	0	3606.20	
10.30	3611.50	1.78	6.31	1.78	4.37	3613.07	3606.00	
.003831	.059	.150	.065	.150	.01	.00	4970.00	
	3602.20	390.	1050.	1010.	35.	50.	5055.00	927.

*SECNO 37.900

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS=								
	4970.0	5055.0	TYPE=	1	TARGET=	85.000		
37.90	3970.	3.	3647.	320.	.65	2	77.	
3612.46	.00	6.	541.	131.	.08	0	3622.60	
10.26	3611.49	.51	6.74	2.44	.01	3613.12	3606.00	
.007273	.059	.150	.065	.150	.04	.00	4970.00	
	3602.20	1.	1.	1.	35.	50.	5055.00	927.

*SECNO 37.900

****GR CARDS REPEATED*****

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS=								
	4970.0	5055.0	TYPE=	1	TARGET=	85.000		
37.90	3970.	3.	3638.	328.	.60	2	77.	
3612.83	.00	7.	562.	138.	-.05	0	3622.60	
10.63	3611.90	.48	6.48	2.37	.31	3613.43	3606.00	
.006510	.059	.150	.065	.150	.01	.00	4970.00	
	3602.20	45.	45.	45.	35.	50.	5055.00	928.

*SECNO 37.900

3470 ENCROACHMENT STATIONS=								
	4970.0	5055.0	TYPE=	1	TARGET=	85.000		
37.90	3970.	58.	3673.	239.	.53	2	85.	
3612.92	.00	34.	609.	140.	-.08	0	3606.20	
10.72	3611.95	1.73	6.03	1.70	.00	3613.44	3606.00	
.003305	.059	.150	.065	.150	.01	.00	4970.00	
	3602.20	1.	1.	1.	35.	50.	5055.00	928.

LINVILLE RIVER

100-YEAR FLOODWA

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DRV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

*SECNO 38.050

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=	75.0	120.0	TYPE=	1	TARGET=	45.000		
38.05	3870.	23.	3796.	51.	1.67	4	44.	
3617.76	.00	16.	363.	23.	1.14	0	3609.10	
10.26	3616.95	1.48	10.45	2.18	5.41	3619.42	3610.00	
.011144	.059	.150	.065	.120	.57	.00	76.27	
	3607.50	830.	760.	430.	22.	22.	120.00	938.

*SECNO 38.200

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=	320.0	370.0	TYPE=	1	TARGET=	50.000		
38.20	3870.	71.	3751.	48.	2.76	3	50.	
3625.63	.00	23.	277.	23.	1.09	0	3619.60	
7.83	3625.20	3.06	13.53	2.03	8.42	3628.39	3619.60	
.011915	.059	.100	.045	.150	.55	.00	320.00	
	3617.80	870.	730.	610.	24.	26.	369.80	944.

CCHV= .300 CERV= .500

*SECNO 38.200

3700. BRIDGE STENCL= 320.00 STENCR= 370.00

3840 SECTION NOT HIGH ENOUGH 149394.03100050.00 3617.60100050.00 3625.67 2

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE, NRD= 8 MIN ELTRD= 3642.20 MAX ELLC= 3641.70

3470 ENCROACHMENT STATIONS=	320.0	370.0	TYPE=	1	TARGET=	50.000		
38.20	3870.	13.	3830.	27.	2.21	4	42.	
3626.77	3624.92	10.	319.	24.	-.55	18	3639.40	
9.17	3627.05	1.29	11.99	1.13	.42	3628.97	3619.30	
.009538	.059	.100	.045	.150	.16	.00	320.00	
	3617.60	40.	40.	40.	24.	26.	370.00	944.

LINVILLE RIVER

100-YEAR FLOODWA

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID		
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV		
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT		
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA		
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL	

*SECNO 38.200

GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 8 MIN ELTRD= 3642.20 MAX ELLC= 3641.70

3470 ENCROACHMENT STATIONS=		320.0	370.0	TYPE=	1	TARGET=	50.000		
38.20	3870.	14.	3829.	27.	1.86	2	42.		
3627.55	.00	12.	348.	27.	-.35	0	3639.40		
9.95	3627.66	1.14	11.01	1.00	.33	3629.41	3619.30		
.007339	.059	.100	.045	.150	.10	.00	320.00		
	3617.60	40.	40.	40.	24.	26.	370.00	944.	

CCHV= .300 CEHV= .500

*SECNO 38.200

3470 ENCROACHMENT STATIONS=		320.0	370.0	TYPE=	1	TARGET=	50.000		
38.20	3870.	72.	3651.	147.	1.41	3	50.		
3628.22	.00	36.	373.	44.	-.45	0	3619.60		
10.42	3628.22	1.98	9.78	3.34	.08	3629.63	3619.60		
.008750	.059	.150	.065	.100	.14	.00	320.00		
	3617.80	10.	10.	10.	24.	26.	370.00	945.	

CCHV= .100 CEHV= .500

*SECNO 38.300

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=		190.0	260.0	TYPE=	1	TARGET=	70.000		
38.30	3820.	5.	3647.	168.	.86	2	70.		
3632.40	.00	6.	480.	89.	-.55	0	3626.40		
10.50	3631.87	.80	7.60	1.88	3.58	3633.26	3627.00		
.005937	.059	.130	.065	.150	.06	.00	190.00		
	3621.90	310.	500.	690.	26.	44.	260.00	951.	

CCHV= .300 CEHV= .500

*SECNO 38.300

GR CARDS REPEATED

3470 ENCROACHMENT STATIONS=		190.0	260.0	TYPE=	1	TARGET=	70.000		
38.30	3820.	5.	3639.	177.	.79	0	70.		
3632.77	.00	6.	498.	96.	-.07	0	3626.40		

1	.005214	.059	.130	.065	.150	.02	.00	190.00	
2		3621.90	50.	50.	50.	26.	44.	260.00	951.

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LINVILLE RIVER		100-YEAR FLOODWA						
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	.00	45.00	2.00	480.00	1.59
	ELCHU	ELCHD						
	3621.80	3621.80						

*SECNO 38.300

3700. BRIDGE STENCL= 190.00 STENCR= 260.00

****GR CARDS REPEATED****

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
3634.34	3633.65	.09	0.	3857.	480.	480.	3630.30

ELTRD
3632.40

3470 ENCROACHMENT STATIONS= 190.0 260.0 TYPE= 1 TARGET= 70.000

38.30	3820.	5.	3619.	196.	.65	2	70.	
3633.72	.00	7.	546.	114.	-.14	0	3626.40	
11.82	3632.99	.65	6.63	1.71	.81	3634.37	3627.00	
.003800	.059	.130	.065	.150	.00	.00	190.00	
	3621.90	40.	40.	40.	26.	44.	260.00	952.

*SECNO 38.300

****GR CARDS REPEATED****

3470 ENCROACHMENT STATIONS= 190.0 260.0 TYPE= 1 TARGET= 70.000

38.30	3820.	5.	3629.	186.	.72	2	70.	
3633.73	.00	7.	521.	105.	.07	0	3626.90	
11.33	3632.98	.70	6.96	1.78	.04	3634.45	3627.50	
.004461	.059	.130	.065	.150	.03	.00	190.00	
	3622.40	10.	10.	10.	26.	44.	260.00	952.

CCHV= .100 CEHV= .500

*SECNO 38.500

3470 ENCROACHMENT STATIONS= 235.0 305.0 TYPE= 1 TARGET= 70.000

38.50	2730.	411.	2184.	134.	.51	2	70.
3637.71	.00	180.	345.	76.	-.21	0	3627.40
11.11	3636.75	2.28	6.33	1.78	3.76	3638.22	3628.20
.003263	.059	.130	.065	.150	.02	.00	235.00

*SECNO 38.600

PRINTED IN U.S.A.

LINVILLE RIVER

100-YEAR FLOODWA

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID		
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV		
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT		
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA		
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL	

3470 ENCROACHMENT STATIONS=	205.0	265.0	TYPE=	1	TARGET=	60.000			
38.60	2730.	78.	2473.	179.	.61	2	60.		
3639.66	.00	40.	376.	76.	.10	0	3631.30		
9.56	3638.80	1.94	6.57	2.35	2.00	3640.28	3633.40		
.004461	.060	.110	.065	.120	.05	.00	205.00		
	3630.10	410.	540.	380.	26.	34.	265.00	972.	

CCHV= .300 CEHV= .500

*SECNO 38.640

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=	212.0	247.0	TYPE=	1	TARGET=	35.000			
38.64	2730.	0.	2730.	0.	1.32	2	35.		
3640.86	.00	0.	296.	0.	.71	0	3644.40		
9.76	3639.98	.00	9.22	.00	1.55	3642.18	100000.00		
.011004	.059	.110	.055	.080	.35	.00	212.00		
	3631.10	200.	200.	200.	18.	17.	247.00	974.	

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	2.15	3.00	.00	31.60	2.00	420.00	.21
ELCHU	ELCHD							
3631.40	3631.40							

*SECNO 38.680

3700. BRIDGE STENCL= 212.00 STENCR= 247.00

****GR CARDS REPEATED****
CLASS A LOW FLOW

3420 BRIDGE U.S.= 3640.64 BRIDGE VELOCITY=, 9.37
CALCULATED CHANNEL AREA=, 291.

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
.00	3642.46	.40	0.	2730.	420.	420.	3644.40

ELTRD

3647.80

3470 ENCROACHMENT STATIONS=	212.0	247.0	TYPE=	1	TARGET=	35.000			
38.68	2730.	0.	2730.	0.	1.20	0	35.		
3641.26	.00	0.	310.	0.	-.12	0	3644.40		

PRINTED IN U.S.A.

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LINVILLE RIVER

100-YEAR FLOODWA

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
CCHV=	.300	CEHV=	.500					
*SECNO	38.680							

3470 ENCROACHMENT STATIONS= 205.0 275.0 TYPE= 1 TARGET= 70.000

38.68	2730.	58.	2448.	225.	.88	2	68.	
3642.04	.00	32.	310.	63.	-.32	0	3635.30	
7.94	3641.86	1.79	7.89	3.60	.37	3642.93	3637.40	
.005970	.059	.130	.055	.070	.09	.00	205.00	
	3634.10	50.	50.	50.	26.	42.	272.58	976.

CCHV= .100 CEHV= .500

*SECNO 38.730

3470 ENCROACHMENT STATIONS= 205.0 275.0 TYPE= 1 TARGET= 70.000

38.73	2660.	47.	2515.	98.	1.25	3	70.	
3643.04	.00	28.	273.	48.	.36	0	3637.20	
7.04	3642.91	1.71	9.21	2.04	1.18	3644.29	3639.30	
.007946	.059	.150	.050	.120	.18	.00	205.00	
	3636.00	430.	170.	90.	26.	44.	275.00	978.

*SECNO 39.050

3470 ENCROACHMENT STATIONS= 410.0 475.0 TYPE= 1 TARGET= 65.000

39.05	2570.	0.	2570.	0.	.87	4	58.	
3655.84	.00	0.	343.	0.	-.38	0	3655.90	
8.44	3655.06	.00	7.49	.00	12.39	3656.72	3656.50	
.006739	.059	.150	.050	.100	.04	.00	412.04	
	3647.40	1790.	1700.	1570.	29.	29.	470.19	991.

*SECNO 39.070

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 110.0 255.0 TYPE= 1 TARGET= 145.000

39.07	2570.	9.	2381.	180.	1.73	2	145.	
3657.28	3657.28	7.	217.	118.	.86	15	3655.90	
7.08	3657.43	1.33	10.96	1.53	1.92	3659.01	3655.90	
.014795	.059	.130	.050	.130	-.09	.00	110.00	
	3650.20	130.	130.	130.	26.	119.	255.00	992.

LINVILLE RIVER 100-YEAR FLOODWA

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

CCHV= .300 CEHV= .500
 *SECNO 39.110

****GR CARDS REPEATED****

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 110.0 255.0 TYPE= 1 TARGET= 145.000

39.11	2570.	30.	1975.	565.	.48	2	145.	
3659.90	.00	25.	314.	381.	-1.25	0	3655.90	
9.70	3659.37	1.20	6.29	1.48	1.00	3660.38	3655.90	
.002984	.059	.130	.050	.130	.38	.00	110.00	
	3650.20	300.	200.	200.	26.	119.	255.00	995.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
.00	1.60	3.00	.00	24.40	.00	243.00	1.47	
ELCHU	ELCHD							
3650.20	3650.20							

*SECNO 39.110

3700. BRIDGE STENCL= 110.00 STENCR= 255.00

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
3662.68	3660.38	.00	1150.	1409.	243.	243.	3657.20
ELTRD							
3657.40							

3470 ENCROACHMENT STATIONS= 110.0 255.0 TYPE= 1 TARGET= 145.000

39.11	2570.	37.	2357.	176.	.74	3	145.	
3659.99	.00	26.	328.	168.	.26	0	3655.90	
9.79	3659.11	1.43	7.20	1.05	.36	3660.73	3658.20	
.004147	.059	.130	.050	.130	.00	.00	110.00	
	3650.20	40.	40.	40.	27.	118.	255.00	995.

*SECNO 39.110

****GR CARDS REPEATED****

3470 ENCROACHMENT STATIONS= 110.0 255.0 TYPE= 1 TARGET= 145.000

39.11	2570.	38.	2333.	199.	.69	2	145.
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1	9.98	3659.57	1.39	6.96	1.07	.12	3660.87	3658.20		
2	.003766	.059	.130	.050	.130	.02	.00	110.00		
3		3650.20	30.	30.	30.	27.	118.	255.00	996.	
4										
5										
6										
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LINVILLE RIVER		100-YEAR FLOODWA						
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
CCHV=	.100	CEHV=	.500					
*SECNO 39.490								

3470 ENCROACHMENT STATIONS=	90.0	160.0	TYPE=	1	TARGET=	70.000		
39.49	2430.	175.	1748.	506.	1.08	17	70.	
3675.86	.00	62.	181.	165.	.40	0	3669.00	
8.06	3675.62	2.81	9.66	3.08	15.88	3676.94	3669.90	
.012791	.059	.150	.065	.150	.20	.00	90.00	
	3667.80	1570.	1920.	2010.	23.	47.	160.00	1017.

*SECNO 39.790

3470 ENCROACHMENT STATIONS=	180.0	250.0	TYPE=	1	TARGET=	70.000		
39.79	2350.	402.	1660.	288.	.61	2	70.	
3688.33	.00	167.	227.	142.	-.47	0	3679.70	
9.23	3687.48	2.41	7.30	2.03	11.95	3688.93	3679.70	
.005502	.059	.150	.065	.150	.05	.00	180.00	
	3679.10	1600.	1610.	1270.	33.	37.	250.00	1033.

*SECNO 39.960

3470 ENCROACHMENT STATIONS=	300.0	380.0	TYPE=	1	TARGET=	80.000		
39.96	2200.	50.	1329.	821.	1.06	5	80.	
3696.52	.00	23.	129.	266.	.45	0	3689.30	
7.82	3695.60	2.15	10.34	3.09	8.42	3697.58	3689.30	
.013872	.060	.150	.065	.150	.23	.00	300.00	
	3688.70	570.	890.	930.	13.	67.	380.00	1042.

THIS RUN EXECUTED 06/21/88, 9:30 AM

 HEC2 RELEASE DATED NOV 76 UPDATED APRIL 1980
 ERROR CORR - 01,02,03,04,05,06
 MODIFICATION - 50,51,52,53,54

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

LINVILLE RIVER

SUMMARY PRINTOUT TABLE 110

SECNO	CWSEL	DIFKWS	EG	TOPWID	PERENC	STENCL	STENCR	STCHL	STCHR	QLOB	QCH	QROB
* 33.480	3537.99	7.99	3539.44	232.	0.	0.	0.	62.	567.	0.	6131.	29.
* 33.480	3537.97	-.02	3539.46	216.	505.	62.	567.	62.	567.	0.	6160.	0.
33.480	3539.57	.00	3539.58	533.	0.	0.	0.	62.	587.	0.	6157.	3.
33.480	3539.59	.02	3539.60	504.	505.	65.	570.	62.	587.	0.	6160.	0.
33.800	3539.59	.00	3539.60	624.	0.	0.	0.	55.	697.	0.	5930.	0.
33.800	3539.62	.02	3539.63	510.	510.	120.	630.	55.	697.	0.	5930.	0.
34.070	3540.10	.00	3540.82	199.	0.	0.	0.	212.	279.	24.	5377.	339.
34.070	3540.15	.05	3541.00	75.	75.	205.	280.	212.	279.	25.	5713.	2.
34.090	3540.12	.00	3540.99	67.	0.	0.	0.	212.	279.	0.	5740.	0.
34.090	3540.25	.13	3541.10	67.	75.	205.	280.	212.	279.	0.	5740.	0.
34.090	3540.79	.00	3541.68	61.	0.	0.	0.	214.	275.	0.	5740.	0.
34.090	3540.94	.15	3541.81	61.	75.	205.	280.	214.	275.	0.	5740.	0.
34.090	3541.32	.00	3541.82	228.	0.	0.	0.	212.	279.	48.	5095.	597.
34.090	3541.18	-.15	3541.89	75.	75.	205.	280.	212.	279.	40.	5697.	3.
34.410	3547.75	.00	3549.15	103.	0.	0.	0.	227.	291.	141.	5529.	10.
34.410	3548.12	.37	3549.47	70.	70.	221.	291.	227.	291.	64.	5616.	0.
34.410	3548.01	.00	3549.45	64.	0.	0.	0.	227.	291.	0.	5680.	0.
34.410	3548.53	.51	3549.77	70.	70.	221.	291.	227.	291.	65.	5615.	0.
34.410	3549.56	.00	3550.49	121.	0.	0.	0.	227.	291.	204.	5458.	19.
34.410	3550.12	.56	3551.04	70.	70.	221.	291.	227.	291.	54.	5626.	0.
34.410	3549.61	.00	3550.53	121.	0.	0.	0.	227.	291.	206.	5455.	19.
34.410	3550.17	.56	3551.08	70.	70.	221.	291.	227.	291.	55.	5625.	0.

SECNO	CWSEL	DIFKWS	EG	TOPWID	PERENC	STENCL	STENCR	STCHL	STCHR	QLOB	QCH	QROB
34.610	3552.89	.00	3553.39	121.	0.	0.	0.	43.	136.	30.	5524.	86.
34.610	3553.30	.41	3553.78	100.	100.	40.	140.	43.	136.	14.	5598.	28.
34.750	3556.71	.00	3557.96	108.	0.	0.	0.	43.	136.	10.	5605.	25.
34.750	3556.85	.14	3558.06	100.	100.	40.	140.	43.	136.	10.	5614.	17.
34.960	3561.22	.00	3561.73	545.	0.	0.	0.	305.	359.	941.	4248.	390.
34.960	3561.65	.43	3562.41	100.	100.	260.	360.	305.	359.	589.	4987.	5.
35.000	3561.59	.00	3562.02	546.	0.	0.	0.	305.	359.	1023.	4108.	449.
35.000	3562.12	.54	3562.78	135.	135.	240.	375.	305.	359.	652.	4859.	69.
35.000	3561.59	.00	3562.02	581.	0.	0.	0.	422.	493.	1023.	4199.	358.
35.000	3562.22	.63	3562.79	135.	135.	365.	500.	422.	493.	672.	4811.	97.
35.000	3561.72	.00	3562.12	583.	0.	0.	0.	422.	493.	1062.	4152.	366.
35.000	3562.35	.63	3562.90	135.	135.	365.	500.	422.	493.	678.	4806.	97.
35.000	3561.69	.00	3562.16	583.	0.	0.	0.	422.	493.	783.	4697.	100.
35.000	3562.36	.67	3562.90	135.	135.	365.	500.	422.	493.	413.	5124.	43.
35.020	3561.90	.00	3562.36	586.	0.	0.	0.	422.	493.	926.	4523.	132.
35.020	3562.55	.65	3563.13	135.	135.	365.	500.	422.	493.	467.	5063.	50.
35.560	3568.42	.00	3568.89	260.	0.	0.	0.	398.	450.	1096.	4218.	165.
35.560	3569.12	.69	3569.62	160.	160.	300.	460.	398.	450.	843.	4494.	143.
36.070	3573.66	.00	3573.87	915.	0.	0.	0.	56.	102.	670.	2913.	1818.
36.070	3574.60	.93	3574.91	310.	310.	40.	350.	56.	102.	443.	3476.	1480.
36.380	3576.43	.00	3576.74	444.	0.	0.	0.	277.	335.	903.	3567.	880.
36.380	3577.32	.89	3577.64	190.	190.	220.	410.	277.	335.	653.	3766.	931.
36.380	3576.49	.00	3576.82	446.	0.	0.	0.	276.	335.	691.	3803.	856.
36.380	3577.38	.89	3577.70	190.	190.	220.	410.	276.	335.	489.	3968.	892.
36.380	3576.49	.00	3576.82	446.	0.	0.	0.	276.	335.	690.	3804.	856.
36.380	3577.44	.95	3577.76	190.	190.	220.	410.	276.	335.	491.	3964.	895.
36.380	3576.47	.00	3576.87	479.	0.	0.	0.	277.	331.	781.	3657.	913.
36.380	3577.40	.93	3577.83	190.	190.	220.	410.	277.	331.	387.	3967.	996.
36.600	3578.07	.00	3578.18	510.	0.	0.	0.	277.	331.	899.	2385.	886.
36.600	3579.04	.97	3579.21	190.	190.	220.	410.	277.	331.	445.	2873.	852.
36.790	3581.68	.00	3582.45	311.	0.	0.	0.	162.	202.	638.	2951.	541.
36.790	3582.37	.69	3583.23	85.	85.	145.	230.	162.	202.	490.	3207.	433.
37.200	3592.00	.00	3592.52	249.	0.	0.	0.	279.	319.	620.	2995.	435.
37.200	3592.48	.47	3593.06	110.	110.	260.	370.	279.	319.	353.	3215.	482.

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SECNO	CWSEL	DIFKWS	EG	TOPWID	PERENC	STENCL	STENCR	STCHL	STCHR	QLOB	QCH	QROB
37.580	3603.24	.00	3603.79	480.	0.	0.	0.	286.	310.	138.	1804.	2028.
37.580	3604.03	.79	3604.79	295.	295.	275.	570.	286.	310.	161.	2125.	1684.
37.690	3607.04	.00	3607.56	324.	0.	0.	0.	972.	1027.	845.	3063.	62.
37.690	3607.97	.93	3608.69	80.	80.	950.	1030.	972.	1027.	273.	3675.	22.
37.900	3611.50	.00	3612.07	126.	0.	0.	0.	4975.	5035.	275.	3391.	304.
37.900	3612.50	.99	3613.07	85.	85.	4970.	5055.	4975.	5035.	56.	3680.	234.
37.900	3611.49	.00	3612.10	118.	0.	0.	0.	4975.	5035.	268.	3302.	400.
37.900	3612.46	.97	3613.12	77.	85.	4970.	5055.	4975.	5035.	3.	3647.	320.
37.900	3611.90	.00	3612.44	119.	0.	0.	0.	4975.	5035.	284.	3267.	420.
37.900	3612.83	.93	3613.43	77.	85.	4970.	5055.	4975.	5035.	3.	3638.	328.
37.900	3611.95	.00	3612.45	127.	0.	0.	0.	4975.	5035.	292.	3360.	318.
37.900	3612.92	.96	3613.44	85.	85.	4970.	5055.	4975.	5035.	58.	3673.	239.
38.050	3616.95	.00	3618.27	62.	0.	0.	0.	79.	117.	20.	3269.	581.
38.050	3617.76	.80	3619.42	44.	45.	75.	120.	79.	117.	23.	3796.	51.
38.200	3625.20	.00	3628.13	64.	0.	0.	0.	325.	362.	147.	3680.	42.
38.200	3625.63	.43	3628.39	50.	50.	320.	370.	325.	362.	71.	3751.	48.
38.200	3627.05	.00	3628.87	63.	0.	0.	0.	326.	362.	160.	3664.	46.
38.200	3626.77	-.28	3628.97	42.	50.	320.	370.	326.	362.	13.	3830.	27.
38.200	3627.66	.00	3629.23	65.	0.	0.	0.	326.	362.	182.	3639.	49.
38.200	3627.55	-.11	3629.41	42.	50.	320.	370.	326.	362.	14.	3829.	27.
38.200	3628.22	.00	3629.41	72.	0.	0.	0.	325.	362.	275.	3446.	148.
38.200	3628.22	-.00	3629.63	50.	50.	320.	370.	325.	362.	72.	3651.	147.
38.300	3631.87	.00	3632.43	201.	0.	0.	0.	191.	241.	559.	3029.	232.
38.300	3632.40	.53	3633.26	70.	70.	190.	260.	191.	241.	5.	3647.	168.
38.300	3632.19	.00	3632.68	330.	0.	0.	0.	191.	241.	587.	2973.	260.
38.300	3632.77	.58	3633.56	70.	70.	190.	260.	191.	241.	5.	3639.	177.
38.300	3632.99	.00	3633.34	379.	0.	0.	0.	191.	241.	667.	2796.	357.
38.300	3633.72	.73	3634.37	70.	70.	190.	260.	191.	241.	5.	3619.	196.
38.300	3632.98	.00	3633.42	349.	0.	0.	0.	191.	241.	616.	2912.	292.
38.300	3633.73	.75	3634.45	70.	70.	190.	260.	191.	241.	5.	3629.	186.
38.500	3636.75	.00	3637.28	216.	0.	0.	0.	263.	295.	451.	2073.	206.
38.500	3637.71	.96	3638.22	70.	70.	235.	305.	263.	295.	411.	2184.	134.
38.600	3638.80	.00	3639.11	302.	0.	0.	0.	210.	251.	361.	1810.	559.
38.600	3639.66	.86	3640.28	60.	60.	205.	265.	210.	251.	78.	2473.	179.

SECNO	CWSEL	DIFKWS	EG	TOPWID	PERENC	STENCL	STENCR	STCHL	STCHR	GLOB	QCH	QROB
38.640	3639.98	.00	3641.62	35.	0.	0.	0.	212.	247.	0.	2730.	0.
38.640	3640.86	.88	3642.18	35.	35.	212.	247.	212.	247.	0.	2730.	0.
38.680	3640.61	.00	3642.01	35.	0.	0.	0.	212.	247.	0.	2730.	0.
38.680	3641.26	.65	3642.46	35.	35.	212.	247.	212.	247.	0.	2730.	0.
38.680	3641.86	.00	3642.59	89.	0.	0.	0.	210.	251.	287.	2246.	197.
38.680	3642.04	.18	3642.93	68.	70.	205.	275.	210.	251.	58.	2448.	225.
38.730	3642.91	.00	3643.96	219.	0.	0.	0.	210.	251.	214.	2335.	111.
38.730	3643.04	.13	3644.29	70.	70.	205.	275.	210.	251.	47.	2515.	98.
39.050	3655.06	.00	3655.65	455.	0.	0.	0.	412.	471.	0.	2050.	520.
39.050	3655.84	.79	3656.72	58.	65.	410.	475.	412.	471.	0.	2570.	0.
* 39.070	3657.43	.00	3658.60	294.	0.	0.	0.	117.	154.	14.	2125.	431.
* 39.070	3657.28	-.16	3659.01	145.	145.	110.	255.	117.	154.	9.	2381.	180.
39.110	3659.37	.00	3659.65	317.	0.	0.	0.	117.	154.	66.	1581.	922.
39.110	3659.90	.53	3660.38	145.	145.	110.	255.	117.	154.	30.	1975.	565.
39.110	3659.11	.00	3660.08	287.	0.	0.	0.	117.	157.	88.	2399.	84.
39.110	3659.99	.89	3660.73	145.	145.	110.	255.	117.	157.	37.	2357.	176.
39.110	3659.57	.00	3660.31	318.	0.	0.	0.	117.	157.	106.	2283.	181.
39.110	3660.18	.62	3660.87	145.	145.	110.	255.	117.	157.	38.	2333.	199.
39.490	3675.62	.00	3676.55	122.	0.	0.	0.	101.	125.	300.	1626.	504.
39.490	3675.86	.24	3676.94	70.	70.	90.	160.	101.	125.	175.	1748.	506.
39.790	3687.48	.00	3687.91	125.	0.	0.	0.	200.	225.	502.	1374.	474.
39.790	3688.33	.85	3688.93	70.	70.	180.	250.	200.	225.	402.	1660.	288.
39.960	3695.60	.00	3696.32	174.	0.	0.	0.	304.	321.	60.	1067.	1073.
39.960	3696.52	.92	3697.58	80.	80.	300.	380.	304.	321.	50.	1329.	821.

SUMMARY OF ERRORS

CAUTION SECNO= 33.480 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 33.480 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 39.070 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 39.070 PROFILE= 1 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 39.070 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 39.070 PROFILE= 2 MINIMUM SPECIFIC ENERGY

FLOODWAY DATA, LINVILLE RIVER
PROFILE NO. 2

STATION	----- FLOODWAY -----		WATER SURFACE ELEVATION			
	WIDTH	SECTION AREA	MEAN VELOCITY	WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
33.480	505.	629.	9.8	3538.0	3538.0	.0
A 33.480	505.	6733.	.9	3539.6	3539.6	.0
B 33.800	510.	7008.	.8	3539.6	3539.6	.0
34.070	75.	809.	7.1	3540.1	3540.1	.0
34.090	75.	775.	7.4	3540.3	3540.1	.2
34.090	75.	768.	7.5	3540.9	3540.8	.1
C 34.090	75.	886.	6.5	3541.3	3541.3	.0
34.410	70.	633.	9.0	3548.1	3547.7	.4
34.410	70.	662.	8.6	3548.5	3548.0	.5
34.410	70.	773.	7.3	3550.1	3549.6	.5
D 34.410	70.	776.	7.3	3550.2	3549.6	.6
E 34.610	100.	1049.	5.4	3553.3	3552.9	.4
34.750	100.	654.	8.6	3556.8	3556.7	.1
F 34.960	100.	997.	5.6	3561.7	3561.2	.5
35.000	135.	1162.	4.8	3562.1	3561.6	.5
35.000	135.	1176.	4.7	3562.2	3561.6	.6
35.000	135.	1193.	4.7	3562.3	3561.7	.6
G 35.000	135.	1183.	4.7	3562.4	3561.7	.7
35.020	135.	1159.	4.8	3562.5	3561.9	.6
H 35.560	160.	1378.	4.0	3569.1	3568.4	.7
I 36.070	310.	2027.	2.7	3574.6	3573.7	.9
36.380	190.	1681.	3.2	3577.3	3576.4	.9
36.380	190.	1734.	3.1	3577.4	3576.5	.9
36.380	190.	1744.	3.1	3577.4	3576.5	.9
J 36.380	190.	1519.	3.5	3577.4	3576.5	.9
36.600	190.	1831.	2.3	3579.0	3578.1	.9
K 36.790	85.	712.	5.8	3582.4	3581.7	.7
L 37.200	110.	916.	4.4	3592.5	3592.0	.5
M 37.580	295.	1113.	3.6	3604.0	3603.2	.8
37.690	80.	678.	5.9	3608.0	3607.0	1.0
37.900	85.	746.	5.3	3612.5	3611.5	1.0
37.900	85.	679.	5.8	3612.5	3611.5	1.0
37.900	85.	707.	5.6	3612.8	3611.9	.9
N 37.900	85.	783.	5.1	3612.9	3612.0	.9
O 38.050	45.	402.	9.6	3617.8	3617.0	.8
38.200	50.	324.	11.9	3625.6	3625.2	.4
38.200	50.	354.	10.9	3627.0	3627.0	.0
P 38.200	50.	387.	10.0	3627.7	3627.7	.0
38.200	50.	453.	8.5	3628.2	3628.2	.0
38.300	70.	575.	6.6	3632.4	3631.9	.5
38.300	70.	601.	6.4	3632.8	3632.2	.6
38.300	70.	668.	5.7	3633.7	3633.0	.7

FLOODWAY DATA, LINVILLE RIVER
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
Q 38.300	70.	633.	6.0	3633.7	3633.0	.7
R 38.500	70.	601.	4.5	3637.7	3636.8	.9
38.600	60.	493.	5.5	3639.7	3638.8	.9
38.640	35.	296.	9.2	3640.9	3640.0	.9
38.680	35.	310.	8.8	3641.3	3640.6	.7
S 38.680	70.	405.	6.7	3642.0	3641.9	.1
38.730	70.	349.	7.6	3643.0	3642.9	.1
T 39.050	65.	343.	7.5	3655.8	3655.1	.7
39.070	145.	342.	7.5	3657.4	3657.4	.0
39.110	145.	721.	3.6	3659.9	3659.4	.5
39.110	145.	522.	4.9	3660.0	3659.1	.9
U 39.110	145.	549.	4.7	3660.2	3659.6	.6
V 39.490	70.	408.	6.0	3675.9	3675.6	.3
W 39.790	70.	536.	4.4	3688.3	3687.5	.8
X 39.960	80.	418.	5.3	3696.5	3695.6	.9