

GR3657.9	486.	3657.5	496.	3659.1	501.	3660.4	538.	3662.3	611.	56000
GR3662.6	638.	3662.5	638							57000
NC	.13	.06								60000
ET										60100
X1	0.41	30	189	237	430	600	8.11	189	240	61000
GR3682.2	0.	3677.2	12.	3676.3	14.	3675.4	30.	3673.7	51.	62000
GR3672.4	92.	3673.4	98.	3673.3	112.	3671.4	152.	3669.3	160.	63000
GR3666.2	168.	3665.2	189.	3662.6	192.	3662.4	192.	3662.3	197.	64000
GR3662.2	207.	3662.1	217.	3662.2	227.	3662.6	227.	3668.0	237.	65000
GR3670.1	262.	3670.2	279.	3669.3	373.	3668.8	374.	3669.6	389.	66000
GR36670.0	392.	3669.3	412	3670.0	477	3671.3	488	3673.0	492	67000
ET										67100
X1	0.41		40		40		8.11	189	240	70000
X3	10									70100
SB	0	1.6	3	0	30.2	0	273	0.49	3662.0	3662.0
ET										71000
X1	.41	34	189	237	40	40	8.11	189	240	71100
X2										72000
X3	10									73000
BT	20	0	3682.2	0	12	3677.2	0	14	3676.3	0
BT	30	3675.4	0	51	3673.7	0	95	3674.2	0	193
BT3672.7	0	193	3674.8	0	194	3674.8	0	194	3674.8	77000
BT3670.1	233	3674.5	3669.9	233	3674.5	0	234	3674.5	0	78000
BT	234	3672.5	0	350	3670.8	0	393	3670.2	0	470
BT3670.2	0	477	3670.2	0	488	3671.3	0	492	3673.0	80000
BT	0									81000
GR3682.2	0	3677.2	12	3676.3	14	3675.4	30	3673.7	51	82000
GR3672.8	95	3673.4	98	3673.3	112	3671.4	152	3669.3	160	83000
GR3666.2	168	3666.2	189	3662.5	192	3662.4	193	3662.4	194	84000
GR3662.3	197	3662.2	207	3662.1	217	3662.2	227	3662.6	227	85000
GR3665.8	233	3666.5	234	3668.0	237	3670.1	262	3670.2	279	86000
GR3669.5	350	3669.3	373	3668.8	374	3669.6	389	3669.2	393	86100
GR3669.9	470	3670.0	477	3671.3	488	3673.0	492			86200
ET										86210
X1	0.41	30	189	237	10	10	8.11	189	240	87000
GR3682.2	0.	3677.2	12.	3676.3	14.	3675.4	30.	3673.7	51.	88000
GR3672.4	92.	3673.4	98.	3673.3	112.	3671.4	152.	3669.3	160.	89000
GR3666.2	168.	3665.2	189.	3662.6	192.	3662.4	192.	3662.3	197.	90000
GR3662.2	207.	3662.1	217.	3662.2	227.	3662.6	227.	3668.0	237.	91000
GR3670.1	262.	3670.2	279.	3669.3	373.	3668.8	374.	3669.6	389.	92000
GR36670.0	392.	3669.3	412	3670.0	477	3671.3	488	3673.0	492	93000
NH	4	.13	63	.06	81	.13	.07	422		96000
ET										96100
X1	0.54	25	63	81	620	660	8.11	60	145	97000
X2										97100
GR3700.9	0.	3688.9	40.	3682.4	56.	3680.6	63.	3680.3	63.	98000
GR3680.0	65.	3680.3	75.	3680.5	78.	3680.6	78.	3682.2	81.	99000
GR3682.3	124.	3681.4	128.	3680.1	131.	3680.0	131.	3679.4	135.	100000
GR3679.7	140.	3680.0	143.	3680.1	143.	3682.2	145.	3684.1	167.	101000
GR3682.8	170.	3682.6	192.	3683.2	199.	3683.9	235.	3684.9	422	102000
EJ										105000
T1										116000
T2										117000
T3										118000
J1										119000
J2	15									120000
ER										126000
										127000
										128000
										129000

AVERY CO., N. C.
 100-YEAR FLOODWAY
 WEST FORK

-1

3636.18

F294

 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. DSD=WFORFKW 000 1000
 T2 100-YEAR FLOOD F294 000 2000
 T3 WEST FORK 100-YEAR FLOODWAY 000 3000

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q USEL FQ
 0. 5. 0. 0. 00000 0. 00 0. 3636.18 .00 4000

J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IBU CHNIM ITRACE
 0. 0. -1. 0. 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. 6100

NC .080 .100 .050 .1 1.5 7000
 QT 6. 370. 870. 1440. 1770. 2700. 1770. 0. 0. 7100
 ET 0. .00 .00 .00 .00 .00 8.11 264.00 305.00 .00 7200

X1 .02 31. 264. 305. 0. 0. 0. 0. 0. 0. 8000
 X3 10. 0. 3642.6 31. 3640.8 40. 3639.1 80. 3639.1 85.
 GR 3638.5 132. 3634.1 141. 3634.1 165. 3634.5 182. 3636.8 189.
 GR 3636.9 191. 3637.0 207. 3636.6 214. 3636.0 225. 3636.0 242.
 GR 3635.2 257. 3635.2 264. 3629.8 277. 3628.7 280. 3628.1 285.
 GR 3628.3 295. 3630.0 302. 3630.2 303. 3630.2 304. 3630.2 305.
 GR 3635.2 305. 3635.0 320. 3635.0 365. 3635.0 455. 3635.0 535.
 GR 3640.0 535.
 SB .00 1.60 3.00 0. 30.30 .00 246.00 .69 3628.2 3628.2 17000
 ET 0. .00 .00 .00 .00 8.11 264.00 305.00 .00 17100

X1 .02 0. 0. 0. 40. 40. 40. 40. 0. 0. 18000
 X2 0. .00 .00 1. 3635.2 3635.4 .00 .00 .00 0. 19000
 X3 10. 0. 0. 0. 0. 0. 0. 0. 0. 0. 19100
 BT 16.0 0. 3649.6 0. 31.0 3642.6 40.0 3640.8 0. 20000
 BT 80.0 3639.1 0. 85.0 3639.1 0. 132.0 3638.5 0. 21000
 BT 3637.3 0. 165.0 3637.3 0. 214.0 3637.7 0. 264.0 3637.5 22000
 BT 0. 264.0 3639.5 3635.3 305.0 3639.5 3635.2 305.0 3637.5 23000
 BT 365.0 3637.0 0. 455.0 3635.4 0. 535.0 3635.4 0. 24000

1	ET	0.	.00	.00	.00	.00	8.11	264.00	305.00	.00	24100	
2	X1	.02	34.	275.	300.	10.	10.	.00	.00	0.	33000	
3	GR 3649.6	0.	0.	3642.6	31.	3640.8	40.	3639.1	80.	3639.1	85.	34000
4	GR 3638.5	132.	132.	3634.1	166.	3634.5	182.	3636.8	189.	3636.9	191.	35000
5	GR 3637.0	207.	207.	3636.0	225.	3636.0	242.	3635.2	257.	3631.4	275.	36000
6	GR 3629.0	280.	280.	3628.7	280.	3628.1	285.	3628.0	290.	3628.4	295.	37000
7	GR 3628.8	297.	297.	3629.0	297.	3630.4	300.	3631.6	310.	3637.3	326.	38000
8	GR 3638.4	348.	348.	3638.4	411.	3637.3	435.	3635.7	445.	3635.5	456.	39000
9	GR 3634.0	468.	468.	3635.2	473.	3635.0	480.	3635.1	536.	.0	0.	40000
10	NC	.080	.130	.055	.0	.0	.0	.0	.0	.0	.0	41000
11	ET	0.	.00	.00	.00	.00	8.11	280.00	310.00	.00	41100	
12	X1	.16	32.	287.	303.	740.	710.	740.	.00	.00	0.	42000
13	GR 3665.6	0.	0.	3662.6	30.	3657.6	52.	3655.3	69.	3652.3	141.	43000
14	GR 3652.9	157.	157.	3652.8	169.	3651.2	174.	3651.0	194.	3650.7	239.	44000
15	GR 3650.0	248.	248.	3646.0	269.	3644.8	287.	3643.1	289.	3642.8	289.	45000
16	GR 3641.9	294.	294.	3642.0	299.	3642.7	301.	3643.1	301.	3644.5	303.	46000
17	GR 3643.9	307.	307.	3648.5	369.	3650.3	374.	3649.5	469.	3650.2	509.	47000
18	GR 3650.4	569.	569.	3650.3	669.	3650.5	719.	3654.8	819.	3657.6	892.	48000
19	GR 3658.6	929.	929.	3661.4	955.	.0	0.	.0	0.	.0	0.	49000
20	NC	.110	.130	.060	.0	.0	.0	.0	.0	.0	.0	50000
21	ET	0.	.00	.00	.00	.00	8.11	450.00	490.00	.00	50020	
22	QT	6.	370.	830.	1430.	1750.	2680.	1750.	0.	0.	0.	50100
23	X1	.29	27.	452.	486.	650.	650.	665.	.00	.00	0.	51000
24	GR 3674.4	0.	0.	3667.4	53.	3666.0	63.	3662.1	138.	3663.0	158.	52000
25	GR 3662.3	198.	198.	3661.8	238.	3661.0	338.	3662.5	376.	3662.3	407.	53000
26	GR 3661.3	438.	438.	3661.0	452.	3653.0	461.	3653.4	461.	3652.9	463.	54000
27	GR 3652.8	468.	468.	3652.8	473.	3653.2	476.	3653.4	476.	3653.6	480.	55000
28	GR 3657.9	486.	486.	3657.5	496.	3659.1	501.	3660.4	538.	3662.3	611.	56000
29	GR 3662.6	638.	638.	3662.5	638.	.0	0.	.0	0.	.0	0.	57000
30	NC	.130	.130	.060	.0	.0	.0	.0	.0	.0	.0	60000
31	ET	0.	.00	.00	.00	.00	8.11	189.00	240.00	.00	60100	
32	X1	.41	30.	189.	237.	430.	600.	560.	.00	.00	0.	61000
33	GR 3682.2	0.	0.	3677.2	12.	3676.3	14.	3675.4	30.	3673.7	51.	62000
34	GR 3672.4	92.	92.	3673.4	98.	3673.3	112.	3671.4	152.	3669.3	160.	63000
35	GR 3666.2	168.	168.	3666.2	189.	3662.6	192.	3662.4	192.	3662.3	197.	64000
36	GR 3662.2	207.	207.	3662.1	217.	3662.2	227.	3662.6	227.	3668.0	237.	65000
37	GR 3670.1	262.	262.	3670.2	279.	3669.3	373.	3668.8	374.	3669.6	389.	66000
38	GR 3670.0	392.	392.	3669.3	412.	3670.0	477.	3671.3	488.	3673.0	492.	67000
39	ET	0.	.00	.00	.00	.00	8.11	189.00	240.00	.00	67100	
40	X1	.41	0.	0.	0.	40.	40.	40.	.00	.00	0.	70000
41	X3	10.	0.	0.	0.	0.	0.	0.	3669.0	3667.0	0.	70100
42	SB	.00	1.60	3.00	0.	30.20	.00	273.00	.49	3662.0	3662.0	71000
43	ET	0.	.00	.00	.00	.00	8.11	189.00	240.00	.00	71100	

WEST FORK		100-YEAR FLOOD									
Q	QLOB	QCH	QROB	HV	IDC	TOPMID	BANK ELEV		VOL		
CRIMS	ALOB	ACH	AROB	DHV	EG	LEFT/RIGHT					
ELEV	WSELK	VLOB	VROB	HL							
DEPTH	WLN	XNL	XNR	OLOSS	CORAR	SSTA					
SLOPE	ELMIN	XLOBL	XLOBR	WSDL	WSDR	ENDST					

*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 .020

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA = 3638.00 ELREA = 3638.00

.02	1770.	0.	1770.	0.	.75	0	41.		
3636.18	.00	0.	255.	.50	0	3635.20			
8.08	3636.18	.00	6.95	.00	3636.93	3635.20			
.005840	.000	.080	.050	.00	.00	264.00			
	3628.10	0.	0.	21.	21.	305.00			0.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	.00	1.60	3.00	.00	30.30	.00	246.00	.69
	ELCHU	ELCHD						
	3628.20	3628.20						

*SECNO .020

*****GR CARDS REPEATED*****
 6870 D.S. ENERGY OF 3636.93 HIGHER THAN COMPUTED ENERGY OF 3636.82
 PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	GPR	BAREA	TAREA	ELLC
3637.47	3637.03	.00	536.	1252.	246.	246.	3635.20

ELTRD
 3635.40

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA = 3638.00 ELREA = 3635.00

.02	1770.	0.	1370.	400.	.31	2	271.	
3636.62	.00	0.	273.	373.	-.44	0	3635.20	
8.52	.00	.00	5.02	1.07	.00	3636.93	3635.20	
.002774	.049	.080	.050	.100	.00	.00	264.00	
	3628.10	40.	40.	40.	21.	251.	535.00	0.

*SECNO .020

WEST FORK	Q	QLOB	100-YEAR FLOOD	QACH	QROB	HV	ITRIAL	TOPMID
MILE	CRIMS	ALOB	QCH	AROB	DHV	IDC	BANK ELEV	
ELEV	WSELK	VLOB	VCH	VR0B	HL	EG	LEFT/RIGHT	
DEPTH	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
SLOPE	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

3265 DIVIDED FLOW

3280 CROSS SECTION .02 EXTENDED 1.51 FEET

.02	1770.	253.	1174.	343.	.39	2	249.	
3636.61	.00	157.	195.	236.	.08	0	3631.40	
8.61	.00	1.62	6.03	1.46	.03	0	3630.40	
.002869	.048	.080	.050	.100	.04	.00	146.59	
3628.00	3628.00	10.	10.	10.	141.	249.	536.00	1.

*SECNO .160

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

.16	1770.	304.	1055.	411.	1.43	15	106.	
3648.11	3648.11	60.	88.	135.	1.04	16	3644.80	
6.21	.00	5.04	11.99	3.05	17.35	54	3644.50	
.023655	.055	.080	.055	.130	-7.10	.00	257.94	
3641.90	3641.90	740.	740.	710.	37.	69.	363.70	8.

*SECNO .290

.29	1750.	0.	1655.	95.	1.11	5	79.	
3660.17	.00	0.	191.	50.	-.33	0	3661.00	
7.37	.00	.00	8.66	1.88	11.70	27	3657.90	
.014130	.057	.110	.060	.130	.03	.00	452.93	
3652.80	3652.80	650.	665.	650.	16.	62.	531.45	12.

*SECNO .410

.41	1750.	58.	1692.	0.	.82	4	73.	
3667.76	.00	36.	229.	0.	-.28	0	3666.20	
5.66	.00	1.63	7.39	.00	7.28	58	3668.00	
.012068	.058	.130	.060	.130	.03	.00	163.98	
3662.10	3662.10	430.	560.	600.	49.	24.	236.55	15.

*SECNO .410

****GR CARDS REPEATED****

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 3669.00 ELREA= 3667.00

.41	1750.	0.	1750.	0.	.74	1	51.	
3668.27	.00	0.	254.	0.	-.08	0	3666.20	
6.17	.00	.00	6.90	.29	.42	01	3668.00	
.009283	.058	.130	.060	.130	.01	.00	189.00	

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WEST FORK	Q	QLOB	100-YEAR FLOOD	HV	ITRIAL	TOPMID
MILE	CRIMS	ALOB	GCH	AROB	IDC	BANK ELEV
ELEV	WSELK	VLOB	VCH	VR0B	HL	LEFT/RIGHT
DEPTH	WTN	XNL	XNCH	XNR	OLOSS	SSTA
SLOPE	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR
SPECIAL BRIDGE						
SB	HK	XKOR	COFQ	RDLEN	BWC	BWP
ELCHU	ELCHD				BAREA	SS

3662.00	3662.00	3.00	.00	30.20	.00	273.00	.49
*SECNO .410							
6070,LOW FLOW BY NORMAL BRIDGE							
EGPRS= .000 EGLWC= 3668.938 ELLC= 3670.200 PCWSE= 3668.268							
ELTRD= 3669.200							
3370 NORMAL BRIDGE,NRD= 20 MIN ELTRD= 3669.20 MAX ELLC= 3670.20							

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 3673.00 ELREA= 3670.00							
.41	1750.	0.	1750.	0.	.84	2	48.
3668.62	.00	0.	238.	0.	.10	0	3666.20
6.52	.00	.00	7.34	.00	.40	3669.46	3668.00
.010728	.058	.130	.060	.130	.05	-34.04	189.00
	3662.10	40.	40.	40.	24.	24.	237.00
*SECNO .410							

3265 DIVIDED FLOW							
.41	1750.	111.	1634.	4.	.45	2	96.
3669.11	.00	72.	294.	8.	-.39	0	3666.20
7.01	.00	1.54	5.56	.51	.07	3669.56	3668.00
.004946	.058	.130	.060	.130	.04	.00	160.47
	3662.10	10.	10.	10.	53.	167.	379.95
1490 NH CARD USED							
*SECNO .540							
7185 MINIMUM SPECIFIC ENERGY							
3720 CRITICAL DEPTH ASSUMED							

.54	1750.	78.	694.	978.	.75	15	242.
3684.21	3684.21	23.	69.	266.	.30	19	3680.60
4.81	3684.21	3.40	10.11	3.68	19.54	3684.97	3682.20
.029704	.059	.130	.060	.113	-7.99	.00	51.54
	3679.40	620.	660.	660.	20.	221.	293.41
21.							

1490 NH CARD USED							
*SECNO .540							
7185 MINIMUM SPECIFIC ENERGY							
3720 CRITICAL DEPTH ASSUMED							

.54	1750.	78.	694.	978.	.75	15	242.
3684.21	3684.21	23.	69.	266.	.30	19	3680.60
4.81	3684.21	3.40	10.11	3.68	19.54	3684.97	3682.20
.029704	.059	.130	.060	.113	-7.99	.00	51.54
	3679.40	620.	660.	660.	20.	221.	293.41
21.							

1490 NH CARD USED							
*SECNO .540							
7185 MINIMUM SPECIFIC ENERGY							
3720 CRITICAL DEPTH ASSUMED							

.54	1750.	78.	694.	978.	.75	15	242.
3684.21	3684.21	23.	69.	266.	.30	19	3680.60
4.81	3684.21	3.40	10.11	3.68	19.54	3684.97	3682.20
.029704	.059	.130	.060	.113	-7.99	.00	51.54
	3679.40	620.	660.	660.	20.	221.	293.41
21.							

WEST FORK		100-YEAR FLOODWA									
Q	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPMID	BANK ELEV		VOL	
CRIVS	ALOB	AACH	AROB	DHV	IDC	BANK	ELEV	LEFT	RIGHT		
WSELK	VLOB	VCH	VROB	HL	EG	CORAR	SSTA	ENDST			
UTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	ENDST				
ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	WSDR	ENDST				

*PROF 2

THLEG = 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 .020

3470 ENCROACHMENT STATIONS= 264.0 305.0 TYPE= 1 TARGET= 41.000
 3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELREA= 3638.00 ELREA= 3638.00

.02	1770.	0.	1770.	0.	.75	0	41.			
3636.18	.00	0.	255.	0.	.50	0	3635.20			
8.08	3636.18	.00	6.95	.00	.00	3636.93	100000.00			
.006001	.000	.080	.050	.100	.00	.00	264.00			
	3628.10	0.	0.	0.	21.	20.	305.00			0.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	.00	1.60	3.00	.00	30.30	.00	246.00	.69
	ELCHU	ELCHD						
	3628.20	3628.20						

*SECNO .020 BRIDGE STENCL= 264.00 STENCR= 305.00

*****GR CARDS REPEATED*****
 ERROR ELTRD.LT.MIN ROAD ELEV, ELTRD SET EQUAL TO MIN ROAD ELEV
 PRESSURE FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
3637.47	3637.03	.00	0.	1252.	246.	246.	3635.20

ELTRD
 3637.50

3470 ENCROACHMENT STATIONS= 264.0 305.0 TYPE= 1 TARGET= 41.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELREA= 3638.00 ELREA= 3635.00

.02	1770.	0.	1770.	0.	.61	2	41.
3636.86	.00	0.	283.	0.	-.14	0	3635.20
8.76	3636.62	.00	6.26	.00	.54	3637.47	100000.00

WEST FORK 100-YEAR FLOODWA

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPMID
ELEV	CRIMS	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 .020
 3280 CROSS SECTION .02 EXTENDED 1.67 FEET

3470 ENCROACHMENT STATIONS=

	131.	1577.	305.0	TYPE=	TARGET=	41.000
.02	1770.	1577.	62.	1	.88	41.
3636.77	.00	46.	30.		.27	3631.40
8.77	3636.61	2.83	2.06		.05	3630.40
.004851	.048	.080	.100		.14	264.00
	3628.00	10.	10.		24.	305.00

*SECNO .160
 3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=

	159.	1465.	310.0	TYPE=	TARGET=	30.000
.16	1770.	1465.	145.	1	2.83	30.
3648.86	3648.86	100.	33.		1.94	3644.80
6.96	3648.11	5.94	4.38		21.92	3644.50
.029694	.055	.080	.130		-8.20	280.00
	3641.90	740.	710.		15.	310.00

*SECNO .290
 3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=

	0.	1729.	490.0	TYPE=	TARGET=	40.000
.29	1750.	1729.	21.	1	.96	38.
3661.01	.00	219.	13.		-1.87	3661.00
8.21	3660.17	7.89	1.68		10.08	3657.90
.010209	.057	.110	.130		.19	451.87
	3652.80	650.	650.		17.	490.00

*SECNO .410
 3470 ENCROACHMENT STATIONS=

	0.	1750.	189.0	240.0	TYPE=	TARGET=	51.000
.41	1750.	1750.	0.	0.	.92	3	48.
3667.73	.00	228.	0.		-.04	0	3666.20
5.63	3667.76	7.68	.00		6.68	3668.65	3668.00
.013639	.058	.130	.130		.00	.00	189.00
	3662.10	430.	600.		24.	24.	236.51

3470 ENCROACHMENT STATIONS=

	0.	1750.	189.0	240.0	TYPE=	TARGET=	51.000
.41	1750.	1750.	0.	0.	.92	3	48.
3667.73	.00	228.	0.		-.04	0	3666.20
5.63	3667.76	7.68	.00		6.68	3668.65	3668.00
.013639	.058	.130	.130		.00	.00	189.00
	3662.10	430.	600.		24.	24.	236.51

3470 ENCROACHMENT STATIONS=

	0.	1750.	189.0	240.0	TYPE=	TARGET=	51.000
.41	1750.	1750.	0.	0.	.92	3	48.
3667.73	.00	228.	0.		-.04	0	3666.20
5.63	3667.76	7.68	.00		6.68	3668.65	3668.00
.013639	.058	.130	.130		.00	.00	189.00
	3662.10	430.	600.		24.	24.	236.51

WEST FORK
 MILE 0
 ELEV CRIMS ALOB GCH 100-YEAR FLOODWA
 DEPTH WSELK VLOB ACH AROR GLOB
 SLOPE WTN XNL XNCH XNR HV DHV ITRIAL TOPMID
 ELMIN XLOBL XLCH XLOBR WSDL OLOSS CORAR BANK ELEV
 *SECNO .410 WSDR WSDR SSTA LEFT/RIGHT
 ENDST VOL

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

3470 ENCROACHMENT STATIONS= 189.0 240.0 TYPE= 1 TARGET= 51.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 3669.00 ELREA= 3667.00

.41	1750.	0.	1750.	0.	.71	2	51.
3668.38	.00	0.	259.	1.	-.21	0	3666.20
6.28	3668.27	.00	6.76	.42	.42	3669.09	3668.00
.008676	.058	.130	.060	.130	.02	.00	189.00
	3662.10	40.	40.	40.	24.	27.	240.00
							10.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
.00	1.60	3.00	.00	30.20	.00	273.00	.49	
ELCHU	ELCHD							
3662.00	3662.00							

*SECNO .410 BRIDGE STENCL= 189.00 STENCR= 240.00

6070,LOW FLOW BY NORMAL BRIDGE

EGPRS= .000 EGLWC= 3669.019 ELLC= 3670.200 PCWSE= 3668.382
ELTRD= 3669.200

3370 NORMAL BRIDGE,NRD= 20 MIN ELTRD= 3669.20 MAX ELLC= 3670.20

3470 ENCROACHMENT STATIONS= 189.0 240.0 TYPE= 1 TARGET= 51.000

4677 BRIDGE DECK DEFINITION ERROR AT STATIONS 237.00 240.00

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 3673.00 ELREA= 3670.00

.41	1750.	0.	1750.	0.	.72	2	48.
3668.74	.00	0.	256.	0.	.02	0	3666.20
6.64	3668.62	.00	6.83	.00	.37	3669.46	3668.00
.009593	.058	.130	.060	.130	.01	-19.68	189.00
	3662.10	40.	40.	40.	24.	24.	237.00
							10.

*SECNO .410

3470 ENCROACHMENT STATIONS= 189.0 240.0 TYPE= 1 TARGET= 51.000
.41 1750. 0. 1748. 2. 57 2 51.

WEST FORK
 MILE Q QLOB 100-YEAR FLOODWA
 ELEV CRIMS ALOB GCH QROB HV HV
 DEPTH WSELK VLOB VCH AROB DHV IDC ITRIAL TOPMID
 SLOPE WTN XNL XNCH XNR VROB HL EG CORAR BANK ELEV
 ELMIN XLOBL XLCH XNCH XROB WSFL LEFT/RIGHT
 1490 NH CARD USED
 *SECNO .540

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=
 .54 1750. 33. 60.0 881. 145.0 TYPE= 1 TARGET= 85.000
 3684.39 .00 10. 72. 176. 3680.60
 4.99 3684.21 3.27 12.29 4.75 15.80 3685.74 3682.20
 .041373 .058 .130 .060 .130 .39 .00 60.00
 3679.40 620. 660. 660. 73. 145.00 15.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
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 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

WEST FORK

SUMMARY PRINTOUT TABLE 110

SECNO	CWSEL	DIFKWS	EG	TOPUID	PERENC	STENCL	STENCR	STCHL	STCHR	QLOB	QCH	QROB
.020	3636.18	.00	3636.93	41.	0.	0.	0.	264.	305.	0.	1770.	0.
.020	3636.18	.00	3636.93	41.	41.	264.	305.	264.	305.	0.	1770.	0.
.020	3636.62	.00	3636.93	271.	0.	0.	0.	264.	305.	0.	1370.	400.
.020	3636.86	.23	3637.47	41.	41.	264.	305.	264.	305.	0.	1770.	0.
.020	3636.61	.00	3637.00	249.	0.	0.	0.	275.	300.	253.	1174.	343.
.020	3636.77	.15	3637.65	41.	41.	264.	305.	275.	300.	131.	1577.	62.
* .160	3648.11	.00	3649.54	106.	0.	0.	0.	287.	303.	304.	1055.	411.
* .160	3648.86	.76	3651.69	30.	30.	280.	310.	287.	303.	159.	1465.	145.
.290	3660.17	.00	3661.27	79.	0.	0.	0.	452.	486.	0.	1655.	95.
.290	3661.01	.84	3661.96	38.	40.	450.	490.	452.	486.	0.	1729.	21.
.410	3667.76	.00	3668.58	73.	0.	0.	0.	189.	237.	58.	1692.	0.
.410	3667.73	-.03	3668.65	48.	51.	189.	240.	189.	237.	0.	1750.	0.
.410	3668.27	.00	3669.01	51.	0.	0.	0.	189.	237.	0.	1750.	0.
.410	3668.38	.11	3669.09	51.	51.	189.	240.	189.	237.	0.	1750.	0.
.410	3668.62	.00	3669.46	48.	0.	0.	0.	189.	237.	0.	1750.	0.
* .410	3668.74	.12	3669.46	48.	51.	189.	240.	189.	237.	0.	1750.	0.
.410	3669.11	.00	3669.56	96.	0.	0.	0.	189.	237.	111.	1634.	4.
.410	3668.98	-.13	3669.56	51.	51.	189.	240.	189.	237.	0.	1748.	2.
* .540	3684.21	.00	3684.97	242.	0.	0.	0.	63.	81.	78.	694.	978.
* .540	3684.39	.18	3685.74	85.	85.	60.	145.	63.	81.	33.	881.	835.

SUMMARY OF ERRORS

7	CAUTION	SECNO=	.160	PROFILE= 1	CRITICAL DEPTH ASSUMED
8	CAUTION	SECNO=	.160	PROFILE= 1	MINIMUM SPECIFIC ENERGY
9	CAUTION	SECNO=	.160	PROFILE= 2	CRITICAL DEPTH ASSUMED
10	CAUTION	SECNO=	.160	PROFILE= 2	MINIMUM SPECIFIC ENERGY
11	CAUTION	SECNO=	.410	PROFILE= 2	BRIDGE DECK DEFINITION ERROR
12	CAUTION	SECNO=	.540	PROFILE= 1	CRITICAL DEPTH ASSUMED
13	CAUTION	SECNO=	.540	PROFILE= 1	MINIMUM SPECIFIC ENERGY

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FLOODWAY DATA, WEST FORK
PROFILE NO. 2

STATION	WIDTH	SECTION AREA	WATER SURFACE ELEVATION			
			WITH FLOODWAY	WITHOUT FLOODWAY		
			MEAN VELOCITY	DIFFERENCE		
.020	41.	255.	7.0	3636.2	3636.2	.0
.020	41.	283.	6.3	3636.9	3636.6	.3
.020	41.	275.	6.4	3636.8	3636.6	.2
.160	30.	160.	11.1	3648.9	3648.1	.8
.290	40.	232.	7.6	3661.0	3660.2	.8
.410	51.	228.	7.7	3667.8	3667.8	.0
.410	51.	260.	6.7	3668.4	3668.3	.1
.410	51.	256.	6.8	3668.7	3668.6	.1
.410	51.	290.	6.0	3669.1	3669.1	.0
.540	85.	258.	6.8	3684.4	3684.2	.2