

THIS RUN EXECUTED 22 SEP 81 13:52:36

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 HEC2 RELEASE DATED NOV 76 UPDATED APRIL 1980  
 ERROR CORR - 01,02,03,04  
 MODIFICATION - 50,51,52,53,54  
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C FAYETTEVILLE, N C  
 T1 FAYETTEVILLE HAZARD REQUEST AUGUST 1981  
 T2 10 YEAR NATURAL  
 T3 BRANSON CREEK REFLECTING DAM BREECH AT MURRAY HILLS LAKE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	D	WSEL	FQ
	-1.	6.	0.	0.	0.000000	0.00	0.0	0.	145.130	0.000
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FA	ALLDC	IBW	CHNIM	ITRACE
	1.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	38.000	1.000	3.000	42.000	41.000	0.000	38.000	1.000	13.000	14.000
	15.000	55.000	26.000	56.000	0.000	38.000	1.000	53.000	21.000	22.000
	54.000	4.000	0.000	150.000	201.000	0.000	0.000	0.000	0.000	0.000
NC	0.100	0.100	0.050	0.100	0.300	0.000	0.000	0.000	0.000	0.000
GT	7.000	810.000	810.000	810.000	810.000	300.000	610.000	1540.000	0.000	0.000
ET	0.000	0.000	120.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000

STARTING WATER SURFACE ELEV TAKEN FROM FIS

X1	13920.000	13.000	100.000	114.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	150.000	30.000	148.000	35.000	146.000	70.000	144.000	80.000	142.400	100.000
GR	141.100	102.000	141.000	107.000	141.100	109.000	142.300	114.000	144.000	120.000
GR	146.000	160.000	148.000	200.000	150.000	255.000	0.000	0.000	0.000	0.000
GT	7.000	780.000	780.000	780.000	780.000	280.000	590.000	1490.000	0.000	0.000
ET	0.000	0.000	120.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	14570.000	12.000	100.000	112.000	810.000	810.000	810.000	0.000	-1.600	0.000
GR	159.800	50.000	155.000	73.000	150.300	89.000	147.900	100.000	145.600	102.000
GR	145.400	104.000	145.600	106.000	150.600	112.000	152.200	150.000	152.700	200.000
GR	153.500	250.000	160.000	350.000	0.000	0.000	0.000	0.000	0.000	0.000
GT	7.000	750.000	750.000	750.000	750.000	270.000	560.000	1430.000	0.000	0.000

X1	15220.000	0.000	0.000	0.000	650.000	650.000	650.000	0.000	1.600	0.000
QT	7.000	710.000	710.000	710.000	710.000	260.000	540.000	1360.000	0.000	0.000

X1	15970.000	14.000	173.000	185.000	750.000	750.000	750.000	0.000	0.000	0.000
GR	170.000	0.000	168.000	15.000	166.000	45.000	164.000	80.000	162.000	125.000
GR	160.000	145.000	158.000	170.000	156.000	173.000	153.000	180.000	154.000	185.000
GR	156.000	190.000	158.000	275.000	160.000	360.000	170.000	435.000	0.000	0.000

NATURAL VALLEY SECTION BELOW MURRAY HILLS DAM

X1	16330.000	16.000	185.000	210.000	360.000	360.000	360.000	0.000	0.000	0.000
GR	177.000	20.000	171.100	50.000	163.900	100.000	162.600	150.000	161.300	170.000
GR	158.000	185.000	156.000	195.000	156.000	198.000	156.000	210.000	158.000	210.000
GR	163.100	220.000	161.900	250.000	162.500	300.000	165.400	332.000	171.100	350.000
GR	177.000	370.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	80.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	16350.000	9.000	70.000	84.000	20.000	20.000	20.000	0.000	0.000	0.000
GR	172.100	0.000	163.000	40.000	161.900	70.000	160.000	72.000	160.000	82.000
GR	162.000	84.000	162.500	120.000	165.300	153.000	171.000	170.000	0.000	0.000

X1	16370.000	0.000	0.000	0.000	20.000	20.000	20.000	0.000	0.000	0.000
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DAM BREECH SECTION FROM FIELD VISIT 8-24-81 FRR

X1	16400.000	15.000	280.000	304.000	30.000	30.000	30.000	0.000	0.000	0.000
GR	177.200	31.000	171.900	51.000	169.600	51.000	169.600	63.000	172.100	63.000
GR	172.100	200.000	172.100	244.000	166.000	280.000	159.500	282.000	159.400	284.000
GR	159.500	287.000	160.000	292.000	161.000	302.000	166.000	304.000	176.000	340.000

X1	16420.000	0.000	0.000	0.000	20.000	20.000	20.000	0.000	0.000	0.000
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SECTION IN OLD LAKE BED SHOWING 18 BY 2 FOOT CHANNEL DUG BY CTY

X1	16480.000	14.000	211.000	229.000	60.000	60.000	60.000	0.000	0.000	0.000
GR	180.000	0.000	170.000	50.000	168.500	55.000	165.000	120.000	164.000	204.000
GR	162.000	211.000	160.000	212.000	160.000	228.000	162.000	229.000	164.000	236.000
GR	165.000	280.000	168.500	320.000	170.000	340.000	180.000	365.000	0.000	0.000

X1	17000.000	14.000	201.000	219.000	520.000	520.000	520.000	0.000	0.000	0.000
GR	180.000	0.000	174.000	50.000	172.000	65.000	170.000	80.000	168.500	100.000
GR	165.000	180.000	164.000	201.000	162.000	202.000	162.000	218.000	164.000	219.000
GR	165.000	240.000	168.500	290.000	170.000	310.000	178.000	340.000	0.000	0.000

X1	17370.000	12.000	253.000	265.000	370.000	370.000	370.000	0.000	0.000	0.000
GR	165.000	0.000	174.000	50.000	172.000	85.000	170.000	250.000	169.000	253.000
GR	165.000	254.000	165.000	264.000	169.000	265.000	170.000	270.000	172.000	200.000
GR	174.000	320.000	180.000	360.000	0.000	0.000	0.000	0.000	0.000	0.000
GT	7.000	640.000	640.000	640.000	640.000	230.000	480.000	1240.000	0.000	0.000
NC	0.080	0.080	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000

MURRAY HILLS ROAD

X1	17635.000	18.000	396.000	405.200	265.000	265.000	265.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	171.000	171.000	0.000
GR	183.700	50.000	182.100	100.000	180.800	150.000	178.700	200.000	177.800	250.000
GR	176.700	300.000	174.300	350.000	172.000	388.000	169.800	390.000	167.300	296.000
GR	167.300	405.200	168.400	409.000	170.800	411.000	176.800	450.000	178.900	500.000
GR	180.700	550.000	184.300	600.000	185.800	620.000	0.000	0.000	0.000	0.000
SB	1.250	1.920	2.500	0.000	9.200	1.000	29.000	0.000	0.000	0.000
ET	0.000	0.000	80.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	17670.000	0.000	0.000	0.000	35.000	35.000	35.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	170.800	177.500	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	177.500	177.500	0.000
BT	8.000	50.000	184.100	0.000	150.000	180.600	0.000	250.000	178.400	0.000
BT	350.000	177.500	0.000	396.000	177.500	170.800	405.200	177.500	170.800	450.000
BT	178.300	0.000	600.000	184.500	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.080	0.080	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	17720.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.000	0.000
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X1	18020.000	11.000	195.000	205.000	300.000	300.000	300.000	0.000	0.000	0.000
GR	180.000	35.000	178.000	80.000	176.000	111.000	174.000	175.000	173.500	195.000
GR	172.000	200.000	173.500	205.000	174.000	235.000	176.000	255.000	178.000	280.000
GR	180.000	295.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GT	7.000	580.000	580.000	580.000	580.000	200.000	440.000	1130.000	0.000	0.000

X1	18220.000	9.000	195.000	205.000	200.000	200.000	200.000	0.000	0.000	0.000
GR	188.000	0.000	180.000	90.000	176.000	150.000	174.500	195.000	173.000	200.000
GR	174.500	205.000	176.000	240.000	180.000	275.000	188.000	420.000	0.000	0.000

X1	18470.000	9.000	195.000	205.000	250.000	250.000	250.000	0.000	0.000	0.000
GR	186.000	20.000	180.000	110.000	178.000	125.000	177.500	195.000	176.000	200.000
GR	177.500	205.000	178.000	235.000	180.000	250.000	188.000	320.000	0.000	0.000





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 MODIFICATION - 50,51,52,53,54  
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T1 FPMS BR FAYETTEVILLE FIS REVISION 9/81  
 T2 100 YR NATURAL  
 T3 BRANSON BR ABOVE FOREST LAKE

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	1.	2.	0.	0.	0.000000	0.00	0.0	0.	146.740	0.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

B



THIS RUN EXECUTED 22 SEP 81 13:53:04

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 HEC2 RELEASE DATED NOV 76 UPDATED APR 1980  
 ERROR CORR = 01,02,03,04  
 MODIFICATION = 50,51,52,53,54  
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NOTE- ASTERISK (\*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

BRANSON CREEK REFLECTING

SUMMARY PRINTOUT

SECNO	CWSEL	EG	ELMIN	ELLC
13920.000	145.13	145.34	141.00	0.00
13920.000	146.23	146.54	141.00	0.00
13920.000	146.74	147.09	141.00	0.00
13920.000	148.11	148.54	141.00	0.00
14570.000	149.12	149.55	143.80	0.00
14570.000	150.71	151.28	143.80	0.00
14570.000	151.32	151.89	143.80	0.00
14570.000	152.75	153.24	143.80	0.00
15220.000	151.96	152.12	145.40	0.00
15220.000	153.53	153.69	145.40	0.00
15220.000	154.11	154.27	145.40	0.00
15220.000	155.47	155.65	145.40	0.00
* 15970.000	156.57	157.40	153.00	0.00
* 15970.000	157.77	158.56	153.00	0.00
* 15970.000	158.19	158.98	153.00	0.00
* 15970.000	159.09	160.03	153.00	0.00
16330.000	159.54	159.70	156.00	0.00
16330.000	160.77	161.10	156.00	0.00
16330.000	161.28	161.71	156.00	0.00
16330.000	162.69	163.44	156.00	0.00
* 16350.000	163.76	163.34	160.00	0.00
* 16350.000	163.51	164.20	160.00	0.00
* 16350.000	163.81	164.59	160.00	0.00
* 16350.000	164.68	165.73	160.00	0.00
16370.000	163.34	163.55	160.00	0.00
16370.000	164.16	164.45	160.00	0.00
16370.000	164.52	164.86	160.00	0.00
16370.000	165.57	166.05	160.00	0.00



SECNO	CWSEL	EG	ELMIN	ELLC
16400.000	163.49	163.69	159.40	0.00
16400.000	164.19	164.77	159.40	0.00
16400.000	164.42	165.31	159.40	0.00
* 16400.000	165.13	167.51	159.40	0.00
16420.000	163.58	163.76	159.40	0.00
16420.000	164.43	164.95	159.40	0.00
16420.000	164.82	165.56	159.40	0.00
16420.000	166.66	168.00	159.40	0.00
16480.000	163.77	163.99	160.00	0.00
16480.000	164.94	165.32	160.00	0.00
16480.000	165.66	165.94	160.00	0.00
16480.000	168.19	168.29	160.00	0.00
17000.000	165.56	165.73	162.00	0.00
17000.000	166.94	167.11	162.00	0.00
17000.000	167.39	167.58	162.00	0.00
17000.000	169.00	169.19	162.00	0.00
* 17370.000	167.69	168.96	165.00	0.00
* 17370.000	169.34	171.29	165.00	0.00
* 17370.000	171.24	172.12	165.00	0.00
* 17370.000	172.37	173.09	165.00	0.00
17635.000	171.01	171.32	167.30	0.00
17635.000	172.98	173.40	167.30	0.00
17635.000	173.28	173.90	167.30	0.00
17635.000	174.36	175.57	167.30	0.00
17670.000	172.53	172.88	167.30	170.80
* 17670.000	178.07	178.09	167.30	170.80
* 17670.000	178.42	178.44	167.30	170.80
* 17670.000	179.16	179.22	167.30	170.80
17720.000	172.86	172.96	167.30	0.00
17720.000	178.07	178.09	167.30	0.00
17720.000	178.43	178.45	167.30	0.00
17720.000	179.17	179.23	167.30	0.00
* 18020.000	174.67	175.06	172.00	0.00
18020.000	178.12	178.13	172.00	0.00
18020.000	178.49	178.51	172.00	0.00
18020.000	179.31	179.36	172.00	0.00
18220.000	176.28	176.42	173.00	0.00
18220.000	178.18	178.24	173.00	0.00
18220.000	178.57	178.64	173.00	0.00
18220.000	179.47	179.59	173.00	0.00

SECNO	CWSEL	EG	ELMIN	ELLC
* 18470.000	178.37	178.67	176.00	0.00
* 18470.000	178.76	179.22	176.00	0.00
18470.000	178.99	179.46	176.00	0.00
18470.000	180.18	180.52	176.00	0.00
18970.000	183.65	183.74	181.50	0.00
18970.000	184.41	184.53	181.50	0.00
18970.000	184.70	184.84	181.50	0.00
18970.000	185.28	185.56	181.50	0.00

BRANSON CREEK REFLECTING

SUMMARY PRINTOUT

SECNO	CWSEL	QLOR	QCH	QROR	VLCB	VCH	VRCP
13920.000	145.13	55.26	220.64	24.10	1.32	4.21	0.98
13920.000	146.23	139.61	376.43	93.97	1.90	5.55	1.38
13920.000	146.74	195.73	458.20	156.08	2.10	6.11	1.62
13920.000	148.11	416.66	699.54	423.80	2.48	7.43	2.13
14570.000	149.12	32.55	247.41	0.04	1.79	5.55	0.21
14570.000	150.71	107.95	439.47	42.58	2.56	6.91	1.21
14570.000	151.32	147.28	516.03	116.68	2.74	7.27	1.41
14570.000	152.75	257.92	691.47	540.61	3.01	7.85	1.97
15220.000	151.96	46.89	211.14	11.97	1.30	3.55	0.55
15220.000	153.53	103.36	318.95	137.70	1.55	4.07	0.87
15220.000	154.11	132.30	368.62	249.08	1.66	4.33	1.04
15220.000	155.47	231.68	520.88	677.45	2.00	5.13	1.49
* 15970.000	156.57	0.21	231.02	28.77	0.84	7.73	1.94
* 15970.000	157.77	3.52	375.58	160.89	1.51	8.50	2.01
* 15970.000	158.19	6.47	439.23	264.29	1.71	8.92	2.25
* 15970.000	159.09	26.83	648.98	684.18	1.96	10.80	3.07
16330.000	159.54	3.59	254.95	1.46	0.66	3.24	0.62
16330.000	160.77	19.83	512.12	8.05	1.13	4.68	1.07
16330.000	161.28	33.53	662.86	13.60	1.37	5.43	1.28
16330.000	162.69	123.31	1173.03	63.66	2.03	7.46	1.17
* 16350.000	162.76	10.90	226.68	22.42	1.09	6.53	1.20
* 16350.000	163.51	65.50	362.83	111.67	2.03	8.02	2.18
* 16350.000	163.81	103.90	436.16	169.93	2.46	8.82	2.56
* 16350.000	164.68	264.09	681.33	414.58	3.62	11.06	3.60
16370.000	163.34	27.18	184.66	48.16	1.01	4.31	1.11
16370.000	164.16	91.20	303.33	145.47	1.69	5.59	1.72
16370.000	164.52	133.04	367.47	209.48	1.98	6.19	1.98
16370.000	165.57	301.03	581.80	477.18	2.78	7.85	2.73
16400.000	163.49	0.00	260.00	0.00	0.00	3.59	0.00
16400.000	164.19	0.00	540.00	0.00	0.00	6.12	0.00
16400.000	164.42	0.00	710.00	0.00	0.00	7.57	0.00
* 16400.000	165.13	0.00	1360.00	0.00	0.00	12.39	0.00
16420.000	163.58	0.00	260.00	0.00	0.00	3.49	0.00
16420.000	164.43	0.00	540.00	0.00	0.00	5.76	0.00
16420.000	164.82	0.00	710.00	0.00	0.00	6.90	0.00
16420.000	166.66	1.04	1358.34	0.62	0.80	9.28	0.79

SECNO	CWSEL	QLOB	QCH	QROR	VLOB	VCH	VROR
16480.000	163.77	4.30	251.41	4.30	0.79	3.82	0.79
16480.000	164.94	44.23	462.61	33.16	0.86	5.31	0.99
16480.000	165.66	126.43	502.69	80.88	1.05	5.03	1.12
16480.000	168.19	505.41	557.63	296.96	1.15	3.84	1.16
17000.000	165.56	20.82	218.85	20.33	0.80	3.52	0.83
17000.000	166.94	102.84	346.41	90.75	1.09	3.98	1.16
17000.000	167.39	156.23	419.52	134.25	1.24	4.41	1.32
17000.000	169.00	418.89	608.00	333.11	1.51	4.90	1.59
* 17370.000	167.69	0.00	260.00	0.00	0.00	9.07	0.00
* 17370.000	169.34	0.15	539.60	0.25	0.87	11.23	0.84
* 17370.000	171.24	88.98	586.32	34.70	1.30	8.28	1.72
* 17370.000	172.37	477.95	753.88	128.17	2.02	8.92	2.20
17635.000	171.01	27.33	173.23	29.44	1.78	5.09	1.97
17635.000	172.98	75.69	322.90	81.41	1.96	6.18	1.96
17635.000	173.28	107.01	419.51	113.49	2.29	7.62	2.36
17635.000	174.36	261.00	728.89	250.11	2.97	11.22	3.31
17670.000	172.53	0.00	230.00	0.00	0.00	4.78	0.00
* 17670.000	178.07	192.63	168.65	118.73	0.45	1.70	0.49
* 17670.000	178.42	266.64	213.04	160.33	0.54	2.08	0.60
* 17670.000	179.16	555.11	366.15	318.73	0.88	3.36	0.95
17720.000	172.86	35.54	156.13	38.33	0.99	3.05	0.98
17720.000	178.07	192.52	168.77	118.71	0.45	1.70	0.49
17720.000	178.43	266.82	212.82	160.36	0.54	2.08	0.59
17720.000	179.17	555.87	365.20	318.93	0.87	3.34	0.94
* 18020.000	174.67	45.49	125.29	59.23	1.77	6.52	1.98
18020.000	178.12	218.49	100.56	160.96	0.68	1.88	0.73
18020.000	178.49	297.81	126.48	215.71	0.81	2.20	0.86
18020.000	179.31	599.27	219.60	421.13	1.25	3.35	1.33
18220.000	176.28	54.14	103.79	42.06	1.15	4.10	1.15
18220.000	178.18	175.47	132.31	132.22	1.05	2.98	1.07
18220.000	178.57	238.48	163.06	178.45	1.20	3.38	1.23
18220.000	179.47	490.17	278.62	361.20	1.75	4.87	1.80
* 18470.000	178.37	71.31	97.91	30.77	1.63	6.05	1.61
* 18470.000	178.76	191.41	164.85	83.73	2.63	8.21	2.58
18470.000	178.99	268.05	193.60	118.34	2.93	8.60	2.87
18470.000	180.18	586.51	272.06	271.43	3.12	7.94	3.00
18970.000	183.65	72.25	33.66	94.09	1.84	4.60	1.63
18970.000	184.41	159.30	56.28	224.42	2.15	5.44	2.16
18970.000	184.70	214.31	68.77	296.91	2.34	5.98	2.43
18970.000	185.28	437.67	118.09	574.23	3.28	8.55	3.59

## BRANSON CREEK REFLECTING

## SUMMARY PRINTOUT

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
13920.000	145.13	74.35	100.00	114.00	142.60	68.25
13920.000	146.23	65.98	100.00	114.00	164.60	98.62
13920.000	146.74	57.05	100.00	114.00	174.80	117.75
13920.000	148.11	34.73	100.00	114.00	203.02	168.30
14570.000	149.12	87.56	100.00	112.00	114.91	27.35
14570.000	150.71	82.16	100.00	112.00	160.88	78.72
14570.000	151.32	80.08	100.00	112.00	213.76	133.68
14570.000	152.75	75.22	100.00	112.00	263.02	187.80
15220.000	151.96	83.35	100.00	112.00	144.29	60.94
15220.000	153.53	77.98	100.00	112.00	250.57	172.60
15220.000	154.11	76.03	100.00	112.00	259.40	183.37
15220.000	155.47	70.74	100.00	112.00	280.34	209.60
* 15970.000	156.57	172.14	173.00	185.00	214.35	42.21
* 15970.000	157.77	170.35	173.00	185.00	265.03	94.68
* 15970.000	158.19	167.66	173.00	185.00	282.97	115.32
* 15970.000	159.09	156.39	173.00	185.00	321.27	164.87
16330.000	159.54	177.98	185.00	210.00	213.03	35.05
16330.000	160.77	172.39	185.00	210.00	215.44	43.05
16330.000	161.28	170.06	185.00	210.00	216.44	46.38
16330.000	162.69	146.39	185.00	210.00	302.14	144.79
* 16350.000	162.76	46.63	70.00	84.00	123.03	76.40
* 16350.000	163.51	37.76	70.00	84.00	131.89	94.13
* 16350.000	163.81	36.44	70.00	84.00	135.44	99.01
* 16350.000	164.68	32.63	70.00	84.00	145.66	113.03
16370.000	163.34	38.51	70.00	84.00	129.90	91.39
16370.000	164.16	34.92	70.00	84.00	139.51	104.58
16370.000	164.52	33.33	70.00	84.00	143.78	110.45
16370.000	165.57	28.70	70.00	84.00	153.81	125.11
16400.000	163.49	260.77	280.00	304.00	303.00	22.22
16400.000	164.19	280.56	280.00	304.00	303.28	22.72
16400.000	164.42	280.48	280.00	304.00	303.37	22.89
* 16400.000	165.13	280.27	280.00	304.00	303.65	23.38
16420.000	163.58	280.74	280.00	304.00	303.03	22.29
16420.000	164.43	280.48	280.00	304.00	303.37	22.89
16420.000	164.82	280.36	280.00	304.00	303.53	23.17
16420.000	166.66	276.09	280.00	304.00	306.38	30.29

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPKID
16480.000	163.77	204.82	211.00	229.00	235.18	30.36
16480.000	164.94	124.32	211.00	229.00	277.74	153.42
16480.000	165.66	107.72	211.00	229.00	287.56	179.84
16480.000	168.19	60.82	211.00	229.00	316.42	255.59
17000.000	165.56	167.13	201.00	219.00	248.04	80.91
17000.000	166.94	135.53	201.00	219.00	267.79	132.26
17000.000	167.39	125.27	201.00	219.00	274.21	148.94
17000.000	169.00	93.27	201.00	219.00	296.73	203.45
* 17370.000	167.69	253.33	253.00	265.00	264.67	11.34
* 17370.000	169.34	251.99	253.00	265.00	266.68	14.69
* 17370.000	171.24	147.92	253.00	265.00	288.56	140.64
* 17370.000	172.37	78.44	253.00	265.00	303.75	225.31
17635.000	171.01	388.91	396.00	405.20	412.31	23.40
17635.000	172.98	371.90	396.00	405.20	425.14	53.24
17635.000	173.28	366.79	396.00	405.20	427.15	60.36
17635.000	174.36	348.72	396.00	405.20	434.15	85.42
17670.000	172.53	396.00	396.00	405.20	405.20	9.20
* 17670.000	178.07	234.59	396.00	405.20	480.41	245.82
* 17670.000	178.42	215.62	396.00	405.20	488.55	272.93
* 17670.000	179.16	189.13	396.00	405.20	507.12	317.99
17720.000	172.86	373.83	396.00	405.20	424.38	50.55
17720.000	178.07	234.85	396.00	405.20	480.30	245.45
17720.000	178.43	215.26	396.00	405.20	488.70	273.44
17720.000	179.17	188.76	396.00	405.20	507.56	318.81
* 18020.000	174.67	153.49	195.00	205.00	241.72	88.24
18020.000	178.12	77.57	195.00	205.00	280.81	203.24
18020.000	178.49	69.03	195.00	205.00	283.66	214.62
18020.000	179.31	50.48	195.00	205.00	289.84	239.37
18220.000	176.28	145.73	195.00	205.00	242.49	96.76
18220.000	178.18	117.23	195.00	205.00	259.12	141.89
18220.000	178.57	111.44	195.00	205.00	262.50	151.06
18220.000	179.47	98.01	195.00	205.00	270.33	172.32
* 18470.000	178.37	122.24	195.00	205.00	237.76	115.52
* 18470.000	178.76	119.31	195.00	205.00	240.69	121.38
18470.000	178.99	117.49	195.00	205.00	242.51	125.02
18470.000	180.18	107.36	195.00	205.00	251.54	144.18
18970.000	183.65	268.05	300.00	304.00	363.05	95.01
18970.000	184.41	242.19	300.00	304.00	366.49	124.30
18970.000	184.70	235.04	300.00	304.00	367.78	132.74
18970.000	185.28	220.52	300.00	304.00	370.42	149.90

BRANSON CREEK REFLECTING

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K+S	VCH	AREA	.01K
13920.000	0.00	0.00	0.00	141.00	300.00	145.13	0.00	145.34	36.13	4.21	118.91	49.91
13920.000	0.00	0.00	0.00	141.00	610.00	146.23	0.00	146.54	44.60	5.55	209.44	91.34
13920.000	0.00	0.00	0.00	141.00	810.00	146.74	0.00	147.09	47.35	6.11	264.62	117.72
13920.000	0.00	0.00	0.00	141.00	1540.00	148.11	0.00	148.54	51.66	7.43	461.08	214.26
14570.000	810.00	0.00	0.00	143.80	280.00	149.12	0.00	149.55	80.77	5.55	62.90	31.16
14570.000	810.00	0.00	0.00	143.80	590.00	150.71	0.00	151.28	77.89	6.91	140.90	66.85
14570.000	810.00	0.00	0.00	143.80	780.00	151.32	0.00	151.89	74.63	7.27	207.44	90.29
14570.000	810.00	0.00	0.00	143.80	1490.00	152.75	0.00	153.24	65.20	7.85	448.26	184.53
15220.000	650.00	0.00	0.00	145.40	270.00	151.96	0.00	152.12	22.56	3.55	117.51	56.84
15220.000	650.00	0.00	0.00	145.40	560.00	153.53	0.00	153.69	20.48	4.07	302.46	123.75
15220.000	650.00	0.00	0.00	145.40	750.00	154.11	0.00	154.27	20.66	4.33	404.51	165.01
15220.000	650.00	0.00	0.00	145.40	1430.00	155.47	0.00	155.65	22.99	5.13	671.71	298.23
* 15970.000	750.00	0.00	0.00	153.00	260.00	156.57	156.57	157.40	216.72	7.73	44.96	17.66
* 15970.000	750.00	0.00	0.00	153.00	540.00	157.77	157.77	158.56	155.40	8.50	126.57	43.32
* 15970.000	750.00	0.00	0.00	153.00	710.00	158.19	158.19	158.98	148.01	8.92	170.66	58.36
* 15970.000	750.00	0.00	0.00	153.00	1360.00	159.09	159.09	160.03	166.74	10.80	296.89	105.32
16330.000	360.00	0.00	0.00	156.00	260.00	159.54	0.00	159.70	28.90	3.24	86.40	48.36
16330.000	360.00	0.00	0.00	156.00	540.00	160.77	0.00	161.10	38.83	4.68	134.40	66.66
16330.000	360.00	0.00	0.00	156.00	710.00	161.28	0.00	161.71	44.98	5.43	157.30	105.87
16330.000	360.00	0.00	0.00	156.00	1360.00	162.69	0.00	163.44	60.58	7.46	272.42	174.73
* 16350.000	20.00	0.00	0.00	160.00	260.00	162.76	162.76	163.34	166.24	6.53	63.35	20.17
* 16350.000	20.00	0.00	0.00	160.00	540.00	163.51	163.51	164.20	176.06	8.02	128.89	40.70
* 16350.000	20.00	0.00	0.00	160.00	710.00	163.81	163.81	164.59	188.98	8.82	158.00	51.65
* 16350.000	20.00	0.00	0.00	160.00	1360.00	164.68	164.68	165.73	221.87	11.06	249.89	91.30
16370.000	20.00	0.00	0.00	160.00	260.00	163.34	0.00	163.55	54.56	4.31	113.20	35.20
16370.000	20.00	0.00	0.00	160.00	540.00	164.16	0.00	164.45	67.01	5.59	193.08	65.97
16370.000	20.00	0.00	0.00	160.00	710.00	164.52	0.00	164.86	72.99	6.19	232.09	83.11
16370.000	20.00	0.00	0.00	160.00	1360.00	165.57	0.00	166.05	87.31	7.85	357.08	145.54
16400.000	30.00	0.00	0.00	159.40	260.00	163.49	0.00	163.69	38.90	3.59	72.49	41.69
16400.000	30.00	0.00	0.00	159.40	540.00	164.19	0.00	164.77	93.45	6.12	88.29	55.86
16400.000	30.00	0.00	0.00	159.40	710.00	164.42	0.00	165.31	135.34	7.97	93.77	61.03
* 16400.000	30.00	0.00	0.00	159.40	1360.00	165.13	165.13	167.51	313.53	12.39	109.80	76.81
16420.000	20.00	0.00	0.00	159.40	260.00	163.58	0.00	163.76	35.77	3.49	74.56	43.47
16420.000	20.00	0.00	0.00	159.40	540.00	164.43	0.00	164.95	78.27	5.76	93.78	61.04
16420.000	20.00	0.00	0.00	159.40	710.00	164.82	0.00	165.56	103.34	6.90	102.84	69.84
16420.000	20.00	0.00	0.00	159.40	1360.00	166.66	0.00	168.00	129.79	9.28	148.46	119.38

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01K
16480.000	60.00	0.00	0.00	160.00	260.00	163.77	0.00	163.99	34.85	3.82	76.72	44.04
16480.000	60.00	0.00	0.00	160.00	540.00	164.94	0.00	165.32	46.36	5.31	171.95	79.30
16480.000	60.00	0.00	0.00	160.00	710.00	165.66	0.00	165.94	34.62	5.03	292.39	120.66
16480.000	60.00	0.00	0.00	160.00	1360.00	168.19	0.00	168.29	12.21	3.84	842.13	389.24
17000.000	520.00	0.00	0.00	162.00	260.00	165.56	0.00	165.73	31.97	3.52	112.65	45.99
17000.000	520.00	0.00	0.00	162.00	540.00	166.94	0.00	167.11	26.06	3.98	260.01	105.79
17000.000	520.00	0.00	0.00	162.00	710.00	167.39	0.00	167.58	28.42	4.41	323.15	133.18
17000.000	520.00	0.00	0.00	162.00	1360.00	169.00	0.00	169.19	24.60	4.90	609.73	274.22
* 17370.000	370.00	0.00	0.00	165.00	260.00	167.69	167.69	168.96	411.50	9.07	28.67	12.82
* 17370.000	370.00	0.00	0.00	165.00	540.00	169.34	169.34	171.29	393.00	11.23	48.49	27.24
* 17370.000	370.00	0.00	0.00	165.00	710.00	171.24	171.24	172.12	127.04	8.28	159.39	62.99
* 17370.000	370.00	0.00	0.00	165.00	1360.00	172.37	172.37	173.09	116.74	8.92	377.50	125.87
17635.000	265.00	0.00	0.00	167.30	230.00	171.01	0.00	171.32	32.74	5.09	64.33	40.20
17635.000	265.00	0.00	0.00	167.30	480.00	172.98	0.00	173.40	27.38	6.18	132.35	91.73
17635.000	265.00	0.00	0.00	167.30	640.00	173.28	0.00	173.90	38.72	7.62	149.91	102.85
17635.000	265.00	0.00	0.00	167.30	1240.00	174.36	0.00	175.57	67.33	11.22	228.30	151.12
17670.000	35.00	177.50	170.80	167.30	230.00	172.53	0.00	172.88	18.23	4.78	48.12	53.87
* 17670.000	35.00	177.50	170.80	167.30	480.00	178.07	0.00	178.09	0.88	1.70	772.34	511.56
* 17670.000	35.00	177.50	170.80	167.30	640.00	178.42	0.00	178.44	1.27	2.08	860.93	568.78
* 17670.000	35.00	177.50	170.80	167.30	1240.00	179.16	0.00	179.22	3.02	3.36	1080.63	713.61
17720.000	50.00	0.00	0.00	167.30	230.00	172.86	0.00	172.96	6.86	3.05	126.28	87.81
17720.000	50.00	0.00	0.00	167.30	480.00	178.07	0.00	178.09	0.88	1.70	771.19	510.82
17720.000	50.00	0.00	0.00	167.30	640.00	178.43	0.00	178.45	1.26	2.08	862.70	569.92
17720.000	50.00	0.00	0.00	167.30	1240.00	179.17	0.00	179.23	2.99	3.34	1085.67	717.08
* 18020.000	300.00	0.00	0.00	172.00	230.00	174.67	174.67	175.06	136.39	6.52	74.83	19.69
18020.000	300.00	0.00	0.00	172.00	480.00	178.12	0.00	178.13	2.88	1.88	594.80	282.72
18020.000	300.00	0.00	0.00	172.00	640.00	178.49	0.00	178.51	3.63	2.20	674.06	335.88
18020.000	300.00	0.00	0.00	172.00	1240.00	179.31	0.00	179.36	6.99	3.35	861.26	468.87
18220.000	200.00	0.00	0.00	173.00	200.00	176.28	0.00	176.42	37.24	4.10	109.06	32.77
18220.000	200.00	0.00	0.00	173.00	440.00	178.18	0.00	178.24	9.37	2.98	335.83	143.72
18220.000	200.00	0.00	0.00	173.00	580.00	178.57	0.00	178.64	10.78	3.38	392.37	176.65
18220.000	200.00	0.00	0.00	173.00	1130.00	179.47	0.00	179.59	17.84	4.87	537.13	267.55
* 18470.000	250.00	0.00	0.00	176.00	200.00	178.37	178.37	178.67	147.86	6.05	79.03	16.45
* 18470.000	250.00	0.00	0.00	176.00	440.00	178.76	178.76	179.22	203.84	8.21	125.31	30.82
18470.000	250.00	0.00	0.00	176.00	580.00	178.99	0.00	179.46	192.39	8.60	155.14	41.82
18470.000	250.00	0.00	0.00	176.00	1130.00	180.18	0.00	180.52	93.68	7.94	312.53	116.75
18970.000	500.00	0.00	0.00	181.50	200.00	183.65	0.00	183.74	73.40	4.60	104.51	23.34
18970.000	500.00	0.00	0.00	181.50	440.00	184.41	0.00	184.53	64.50	5.44	188.37	54.78
18970.000	500.00	0.00	0.00	181.50	580.00	184.70	0.00	184.84	67.93	5.98	225.12	70.37
18970.000	500.00	0.00	0.00	181.50	1130.00	185.28	184.46	185.56	108.40	8.55	307.24	108.53



## BRANSON CREEK REFLECTING

## SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
13920.000	300.00	145.13	0.00	0.00	0.00	68.25	0.00
13920.000	610.00	146.23	1.10	0.00	0.00	98.62	0.00
13920.000	810.00	146.74	0.51	0.00	0.00	117.75	0.00
13920.000	1540.00	148.11	1.37	0.00	0.00	168.30	0.00
14570.000	280.00	149.12	0.00	3.99	0.00	27.35	810.00
14570.000	590.00	150.71	1.59	4.48	0.00	78.72	810.00
14570.000	780.00	151.32	0.61	4.58	0.00	133.68	810.00
14570.000	1490.00	152.75	1.43	4.64	0.00	187.80	810.00
15220.000	270.00	151.96	0.00	2.84	0.00	60.94	650.00
15220.000	560.00	153.53	1.57	2.82	0.00	172.60	650.00
15220.000	750.00	154.11	0.58	2.79	0.00	183.37	650.00
15220.000	1430.00	155.47	1.36	2.72	0.00	209.60	650.00
* 15970.000	260.00	156.57	0.00	4.61	0.00	42.21	750.00
* 15970.000	540.00	157.77	1.19	4.23	0.00	94.68	750.00
* 15970.000	710.00	158.19	0.42	4.08	0.00	115.32	750.00
* 15970.000	1360.00	159.09	0.90	3.62	0.00	164.87	750.00
16330.000	260.00	159.54	0.00	2.97	0.00	35.05	360.00
16330.000	540.00	160.77	1.23	3.01	0.00	43.05	360.00
16330.000	710.00	161.28	0.51	3.09	0.00	46.38	360.00
16330.000	1360.00	162.69	1.41	3.60	0.00	144.79	360.00
* 16350.000	260.00	162.76	0.00	3.21	0.00	76.40	20.00
* 16350.000	540.00	163.51	0.75	2.74	0.00	94.13	20.00
* 16350.000	710.00	163.81	0.30	2.53	0.00	99.01	20.00
* 16350.000	1360.00	164.68	0.87	1.99	0.00	113.03	20.00
16370.000	260.00	163.34	0.00	0.58	0.00	91.39	20.00
16370.000	540.00	164.16	0.82	0.65	0.00	104.58	20.00
16370.000	710.00	164.52	0.36	0.71	0.00	110.45	20.00
16370.000	1360.00	165.57	1.06	0.90	0.00	125.11	20.00
16400.000	260.00	163.49	0.00	0.15	0.00	22.22	30.00
16400.000	540.00	164.19	0.70	0.03	0.00	22.72	30.00
16400.000	710.00	164.42	0.23	-0.10	0.00	22.89	30.00
* 16400.000	1360.00	165.13	0.70	-0.45	0.00	23.38	30.00
16420.000	260.00	163.58	0.00	0.09	0.00	22.29	20.00
16420.000	540.00	164.43	0.86	0.24	0.00	22.89	20.00
16420.000	710.00	164.82	0.39	0.40	0.00	23.17	20.00
16420.000	1360.00	166.66	1.84	1.54	0.00	30.29	20.00

SECNO	N	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
16480.000	260.00	163.77	0.00	0.19	0.00	30.36	60.00
16480.000	540.00	164.94	1.17	0.51	0.00	153.42	60.00
16480.000	710.00	165.66	0.72	0.84	0.00	179.84	60.00
16480.000	1360.00	168.19	2.53	1.52	0.00	255.59	60.00
17000.000	260.00	165.56	0.00	1.80	0.00	80.91	520.00
17000.000	540.00	166.94	1.38	2.00	0.00	132.26	520.00
17000.000	710.00	167.39	0.45	1.73	0.00	148.94	520.00
17000.000	1360.00	169.00	1.61	0.82	0.00	203.45	520.00
* 17370.000	260.00	167.69	0.00	2.12	0.00	11.34	370.00
* 17370.000	540.00	169.34	1.65	2.39	0.00	14.69	370.00
* 17370.000	710.00	171.24	1.90	3.85	0.00	140.64	370.00
* 17370.000	1360.00	172.37	1.14	3.37	0.00	225.31	370.00
17635.000	230.00	171.01	0.00	3.32	0.00	23.40	265.00
17635.000	480.00	172.98	1.97	3.64	0.00	53.24	265.00
17635.000	640.00	173.28	0.31	2.05	0.00	60.36	265.00
17635.000	1240.00	174.36	1.08	1.99	0.00	85.42	265.00
17670.000	230.00	172.53	0.00	1.52	0.00	9.20	35.00
* 17670.000	480.00	178.07	5.54	5.09	0.00	245.82	35.00
* 17670.000	640.00	178.42	0.35	5.14	0.00	272.93	35.00
* 17670.000	1240.00	179.16	0.74	4.79	0.00	317.99	35.00
17720.000	230.00	172.86	0.00	0.33	0.00	50.55	50.00
17720.000	480.00	178.07	5.22	0.00	0.00	245.45	50.00
17720.000	640.00	178.43	0.35	0.01	0.00	273.44	50.00
17720.000	1240.00	179.17	0.75	0.02	0.00	318.81	50.00
* 18020.000	230.00	174.67	0.00	1.81	0.00	88.24	300.00
18020.000	480.00	178.12	3.44	0.04	0.00	203.24	300.00
18020.000	640.00	176.49	0.37	0.06	0.00	214.62	300.00
18020.000	1240.00	179.31	0.82	0.14	0.00	239.37	300.00
18220.000	200.00	176.28	0.00	1.61	0.00	96.76	200.00
18220.000	440.00	178.18	1.91	0.07	0.00	141.89	200.00
18220.000	580.00	178.57	0.39	0.08	0.00	151.06	200.00
18220.000	1130.00	179.47	0.90	0.15	0.00	172.32	200.00
* 18470.000	200.00	178.37	0.00	2.09	0.00	115.52	250.00
* 18470.000	440.00	178.76	0.39	0.57	0.00	121.38	250.00
18470.000	580.00	178.99	0.23	0.42	0.00	125.02	250.00
18470.000	1130.00	180.18	1.18	0.71	0.00	144.18	250.00
18970.000	200.00	183.65	0.00	5.28	0.00	95.01	500.00
18970.000	440.00	184.41	0.77	5.65	0.00	124.30	500.00
18970.000	580.00	184.70	0.28	5.71	0.00	132.74	500.00
18970.000	1130.00	185.28	0.58	5.10	0.00	149.90	500.00

FLOOD INSURANCE ZONE DATA FOR BRANSON CREEK REFLECTING

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10	2	0.2
13920.000	0.	-1.61	-0.51	1.37
14570.000	810.	-2.20	-0.61	1.43
15220.000	1460.	-2.15	-0.58	1.36
15970.000	2210.	-1.61	-0.42	0.90
16330.000	2570.	-1.74	-0.51	1.41
16350.000	2590.	-1.05	-0.30	0.87
16370.000	2610.	-1.18	-0.36	1.06
16400.000	2640.	-0.93	-0.23	0.70
16420.000	2660.	-1.25	-0.39	1.84
16480.000	2720.	-1.89	-0.72	2.53
17000.000	3240.	-1.83	-0.45	1.61
17370.000	3610.	-3.55	-1.90	1.14
17635.000	3875.	-2.28	-0.31	1.08
17670.000	3910.	-5.89	-0.35	0.74
17720.000	3960.	-5.57	-0.35	0.75
18020.000	4260.	-3.82	-0.37	0.82
18220.000	4460.	-2.29	-0.39	0.90
18470.000	4710.	-0.62	-0.23	1.18
18970.000	5210.	-1.05	-0.28	0.58
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WEIGHTED AVG FOR REACH		-2.14	-0.56	1.26

FHF FOR THE REACH = 020 WITH 81.7 PERCENT OF THE REACH WITHIN 1.0 FEET  
 ZONE FOR THE REACH = A 4

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THIS RUN EXECUTED 22 SEP 81 13:25:02

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 HEC2 RELEASE DATED NOV 76 UPDATED APR 1980  
 ERROR CORR - 01,02,03,04  
 MODIFICATION - 50,51,52,53,54  
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C FAYETTEVILLE, N C  
 T1 FAYETTEVILLE HAZARD REQUEST AUGUST 1981  
 T2 100 YEAR NATURAL  
 T3 BRANSON CREEK REFLECTING DAM BREECH AT MURRAY HILLS LAKE

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	G	WSEL	FB
	-1.	2.	0.	0.	0.000000	0.00	0.0	0.	146.740	0.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBK	CHNIN	ITRACE
	1.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	38.000	1.000	3.000	42.000	41.000	5.000	43.000	0.000	38.000	1.000
	53.000	21.000	22.000	54.000	4.000	5.000	0.000	200.000	0.000	0.000
NC	0.100	0.100	0.050	0.100	0.300	0.000	0.000	0.000	0.000	0.000
QT	7.000	810.000	810.000	810.000	810.000	300.000	610.000	1540.000	0.000	0.000
ET	0.000	0.000	120.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000

STARTING WATER SURFACE ELEV TAKEN FROM FIS

X1	13920.000	13.000	100.000	114.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	150.000	30.000	148.000	35.000	146.000	70.000	144.000	20.000	142.400	100.000
GR	141.100	102.000	141.000	107.000	141.100	109.000	142.300	114.000	144.000	120.000
GR	146.000	160.000	148.000	200.000	150.000	255.000	0.000	0.000	0.000	0.000
QT	7.000	780.000	780.000	780.000	780.000	280.000	590.000	1490.000	0.000	0.000
ET	0.000	0.000	120.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	14570.000	12.000	100.000	112.000	810.000	810.000	810.000	0.000	-1.600	0.000
GR	159.800	50.000	155.000	73.000	150.300	89.000	147.900	100.000	145.600	102.000
GR	145.400	104.000	145.600	106.000	150.600	112.000	152.200	150.000	152.700	200.000
GR	153.500	250.000	160.000	350.000	0.000	0.000	0.000	0.000	0.000	0.000
QT	7.000	750.000	750.000	750.000	750.000	270.000	560.000	1430.000	0.000	0.000

X1	15220.000	0.000	0.000	0.000	650.000	650.000	650.000	0.000	1.600	0.000
GT	7.000	710.000	710.000	710.000	710.000	260.000	540.000	1360.000	0.000	0.000

X1	15970.000	14.000	173.000	185.000	750.000	750.000	750.000	0.000	0.000	0.000
GR	170.000	0.000	168.000	15.000	166.000	45.000	164.000	80.000	162.000	125.000
GR	160.000	145.000	158.000	170.000	156.000	173.000	153.000	180.000	154.000	185.000
GR	156.000	190.000	158.000	275.000	160.000	360.000	170.000	435.000	0.000	0.000

## NATURAL VALLEY SECTION BELOW MURRAY HILLS DAM

X1	16330.000	16.000	185.000	210.000	360.000	360.000	360.000	0.000	0.000	0.000
GR	177.000	20.000	171.100	50.000	163.900	100.000	162.600	150.000	161.300	170.000
GR	158.000	185.000	156.000	195.000	156.000	198.000	156.000	210.000	158.000	210.000
GR	163.100	220.000	161.900	250.000	162.500	300.000	165.400	332.000	171.100	350.000
GR	177.000	370.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	80.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	16350.000	9.000	70.000	84.000	20.000	20.000	20.000	0.000	0.000	0.000
GR	172.100	0.000	163.000	40.000	161.900	70.000	160.000	72.000	160.000	82.000
GR	162.000	84.000	162.500	120.000	165.300	153.000	171.000	170.000	0.000	0.000

X1	16370.000	0.000	0.000	0.000	20.000	20.000	20.000	0.000	0.000	0.000
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## DAM BREACH SECTION FROM FIELD VISIT 8-24-81 FRR

X1	16400.000	15.000	280.000	304.000	30.000	30.000	30.000	0.000	0.000	0.000
GR	177.200	31.000	171.900	51.000	169.600	51.000	169.600	63.000	172.100	63.000
GR	172.100	200.000	172.100	244.000	166.000	280.000	159.500	282.000	159.400	284.000
GR	159.500	287.000	160.000	292.000	161.000	302.000	166.000	304.000	176.000	340.000

X1	16420.000	0.000	0.000	0.000	20.000	20.000	20.000	0.000	0.000	0.000
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## SECTION IN OLD LAKE BED SHOWING 18 BY 2 FOOT CHANNEL DUG BY CTY

X1	16480.000	14.000	211.000	229.000	60.000	60.000	60.000	0.000	0.000	0.000
GR	180.000	0.000	170.000	50.000	168.500	55.000	165.000	120.000	164.000	204.000
GR	162.000	211.000	160.000	212.000	160.000	228.000	162.000	229.000	164.000	236.000
GR	165.000	280.000	168.500	320.000	170.000	340.000	180.000	365.000	0.000	0.000

X1	17000.000	14.000	201.000	219.000	520.000	520.000	520.000	0.000	0.000	0.000
GR	180.000	0.000	174.000	50.000	172.000	65.000	170.000	80.000	168.500	100.000
GR	165.000	180.000	164.000	201.000	162.000	202.000	162.000	218.000	164.000	219.000
GR	165.000	240.000	168.500	290.000	170.000	310.000	178.000	340.000	0.000	0.000

X1	17370.000	12.000	253.000	265.000	370.000	370.000	370.000	0.000	0.000	0.000
GR	180.000	0.000	174.000	50.000	172.000	85.000	170.000	250.000	169.000	253.000
GR	165.000	254.000	165.000	264.000	169.000	265.000	170.000	270.000	172.000	300.000
GR	174.000	320.000	180.000	360.000	0.000	0.000	0.000	0.000	0.000	0.000
QT	7.000	640.000	640.000	640.000	640.000	230.000	480.000	1240.000	0.000	0.000
NC	0.080	0.080	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000

MURRAY HILLS ROAD

X1	17635.000	18.000	396.000	405.200	265.000	265.000	265.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	171.000	171.000	0.000
GR	183.700	50.000	182.100	100.000	180.800	150.000	178.700	200.000	177.800	250.000
GR	176.700	300.000	174.300	350.000	172.000	388.000	169.800	390.000	167.300	396.000
GR	167.300	405.200	168.400	409.000	170.800	411.000	176.800	450.000	178.900	500.000
GR	180.700	550.000	184.300	600.000	185.800	620.000	0.000	0.000	0.000	0.000
SB	1.250	1.920	2.500	0.000	9.200	1.000	29.000	0.000	0.000	0.000
ET	0.000	0.000	80.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	17670.000	0.000	0.000	0.000	35.000	35.000	35.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	170.800	177.500	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	177.500	177.500	0.000
BT	8.000	50.000	184.100	0.000	150.000	180.600	0.000	250.000	178.400	0.000
BT	150.000	177.500	0.000	396.000	177.500	170.800	405.200	177.500	170.800	450.000
BT	178.300	0.000	600.000	184.500	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.080	0.080	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	17720.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.000	0.000
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X1	18020.000	11.000	195.000	205.000	300.000	300.000	300.000	0.000	0.000	0.000
GR	180.000	35.000	178.000	80.000	176.000	111.000	174.000	175.000	173.500	195.000
GR	172.000	200.000	173.500	205.000	174.000	235.000	176.000	255.000	178.000	280.000
GR	180.000	295.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
QT	7.000	580.000	580.000	580.000	580.000	200.000	440.000	1130.000	0.000	0.000

X1	18220.000	9.000	195.000	205.000	200.000	200.000	200.000	0.000	0.000	0.000
GR	188.000	0.000	180.000	90.000	176.000	150.000	174.500	195.000	173.000	200.000
GR	174.500	205.000	176.000	240.000	180.000	275.000	188.000	420.000	0.000	0.000

X1	18470.000	9.000	195.000	205.000	250.000	250.000	250.000	0.000	0.000	0.000
GR	186.000	20.000	180.000	110.000	178.000	125.000	177.500	195.000	176.000	200.000
GR	177.500	205.000	178.000	235.000	180.000	250.000	188.000	320.000	0.000	0.000







THIS RUN EXECUTED 22 SEP 81 13:26:19

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 HEC2 RELEASE DATED NOV 76 UPDATED APR 1980  
 ERROR CORR = 01,02,03,04  
 MODIFICATION = 50,51,52,53,54  
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NOTE- ASTERISK (\*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

BRANSON CREEK REFLECTING

SUMMARY PRINTOUT

SECNO	CWSEL	EG	ELMIN	ELLC	10K*S	Q
13920.000	146.74	147.09	141.00	0.00	47.35	810.00
13920.000	146.74	147.09	141.00	0.00	47.37	810.00
14570.000	151.32	151.89	143.80	0.00	74.63	780.00
14570.000	151.33	151.92	143.80	0.00	75.37	780.00
15220.000	154.11	154.27	145.40	0.00	20.66	750.00
15220.000	154.28	154.48	145.40	0.00	23.26	750.00
* 15970.000	158.19	158.98	153.00	0.00	148.01	710.00
* 15970.000	158.08	159.02	153.00	0.00	174.12	710.00
16330.000	161.28	161.71	156.00	0.00	44.98	710.00
16330.000	161.38	161.79	156.00	0.00	41.83	710.00
* 16350.000	163.81	164.59	160.00	0.00	188.98	710.00
* 16350.000	163.86	164.69	160.00	0.00	192.16	710.00
16370.000	164.52	164.86	160.00	0.00	72.99	710.00
16370.000	164.57	164.97	160.00	0.00	79.99	710.00
16400.000	164.42	165.31	159.40	0.00	135.34	710.00
16400.000	164.56	165.40	159.40	0.00	123.21	710.00
16420.000	164.82	165.56	159.40	0.00	103.34	710.00
16420.000	164.92	165.63	159.40	0.00	97.51	710.00
16480.000	165.66	165.94	160.00	0.00	34.62	710.00
16480.000	165.64	166.03	160.00	0.00	43.50	710.00
17000.000	167.39	167.58	162.00	0.00	28.42	710.00
17000.000	167.61	167.81	162.00	0.00	27.09	710.00

SECNO	CWSEL	EG	ELMIN	ELLC	10K*9	Q
* 17370.000	171.24	172.12	165.00	0.00	127.04	710.00
* 17370.000	170.98	172.19	165.00	0.00	171.19	710.00
17635.000	173.28	173.90	167.30	0.00	38.72	640.00
17635.000	173.48	174.03	167.30	0.00	33.50	640.00
* 17670.000	178.42	178.44	167.30	170.80	1.27	640.00
* 17670.000	178.41	178.46	167.30	170.80	1.99	640.00
17720.000	178.43	178.45	167.30	0.00	1.26	640.00
17720.000	178.42	178.47	167.30	0.00	1.98	640.00
18020.000	178.49	178.51	172.00	0.00	3.63	640.00
18020.000	178.51	178.58	172.00	0.00	8.06	640.00
18220.000	178.57	178.64	173.00	0.00	10.78	580.00
18220.000	178.69	178.80	173.00	0.00	14.49	580.00
18470.000	178.99	179.46	176.00	0.00	192.39	580.00
18470.000	179.22	179.85	176.00	0.00	197.27	580.00
18970.000	184.70	184.84	181.50	0.00	67.93	580.00
18970.000	185.00	185.18	181.50	0.00	65.75	580.00

## BRANSON CREEK REFLECTING

## SUMMARY PRINTOUT

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID	10K*S
13920.000	146.74	57.05	100.00	114.00	174.80	117.75	47.35
13920.000	146.74	57.05	100.00	114.00	167.00	109.95	47.37
14570.000	151.32	80.08	100.00	112.00	213.76	133.68	74.63
14570.000	151.33	80.03	100.00	112.00	166.00	85.97	75.37
15220.000	154.11	76.03	100.00	112.00	259.40	183.37	20.66
15220.000	154.28	75.44	100.00	112.00	166.00	90.56	23.26
* 15970.000	158.19	167.66	173.00	185.00	282.97	115.32	148.01
* 15970.000	158.08	168.99	173.00	185.00	239.00	70.01	174.12
16330.000	161.28	170.06	185.00	210.00	216.44	46.38	44.98
16330.000	161.38	168.73	185.00	210.00	216.63	47.90	41.83
* 16350.000	163.81	36.44	70.00	84.00	135.44	99.01	188.98
* 16350.000	163.86	37.00	70.00	84.00	117.00	80.00	192.16
16370.000	164.52	33.33	70.00	84.00	143.78	110.45	72.99
16370.000	164.57	37.00	70.00	84.00	117.00	80.00	79.99
16400.000	164.42	280.48	280.00	304.00	303.37	22.89	135.34
16400.000	164.56	280.44	280.00	304.00	303.43	22.99	123.21
16420.000	164.82	280.36	280.00	304.00	303.53	23.17	103.34
16420.000	164.92	280.33	280.00	304.00	303.57	23.23	97.51
16480.000	165.66	107.72	211.00	229.00	287.56	179.84	34.62
16480.000	165.64	180.00	211.00	229.00	260.00	80.00	43.50
17000.000	167.39	125.27	201.00	219.00	274.21	148.94	28.42
17000.000	167.61	170.00	201.00	219.00	250.00	80.00	27.09
* 17370.000	171.24	147.92	253.00	265.00	288.56	140.64	127.04
* 17370.000	170.98	219.00	253.00	265.00	284.69	65.69	171.19
17635.000	173.28	366.79	396.00	405.20	427.15	60.36	38.72
17635.000	173.48	363.50	396.00	405.20	428.44	64.93	33.50
* 17670.000	178.42	215.62	396.00	405.20	488.55	272.93	1.27
* 17670.000	178.41	360.60	396.00	405.20	440.60	80.00	1.99
17720.000	178.43	215.26	396.00	405.20	488.70	273.44	1.26
17720.000	178.42	360.60	396.00	405.20	440.60	80.00	1.98
18020.000	178.49	69.03	195.00	205.00	283.66	214.62	3.63
18020.000	178.51	160.00	195.00	205.00	240.00	80.00	8.06

FLOODWAY DATA, BRANSON CREEK REFLECTING  
PROFILE NO. 2

STATION	----- FLOODWAY -----			WATER SURFACE ELEVATION		
	WIDTH	SECTION AREA	MEAN VELOCITY	WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
13920.000	110.	263.	3.1	146.7	146.7	0.0
14570.000	86.	194.	4.0	151.3	151.3	0.0
15220.000	91.	313.	2.4	154.3	154.1	0.2
15970.000	70.	140.	5.1	158.2	158.2	0.0
16330.000	48.	162.	4.4	161.4	161.3	0.1
16350.000	80.	148.	4.8	163.8	163.8	0.0
16370.000	80.	205.	3.5	164.6	164.5	0.1
16400.000	23.	97.	7.3	164.3	164.4	0.1
16420.000	23.	105.	6.8	164.9	164.8	0.1
16480.000	80.	205.	3.5	165.7	165.7	0.0
17000.000	80.	276.	2.6	167.6	167.4	0.2
17370.000	66.	111.	6.4	171.0	171.2	-0.2
17635.000	65.	162.	3.9	173.5	173.3	0.2
17670.000	80.	545.	1.2	178.4	178.4	0.0
17720.000	80.	545.	1.2	178.4	178.4	0.0
18020.000	80.	381.	1.7	178.5	178.5	0.0
18220.000	80.	296.	2.0	178.7	178.6	0.1
18470.000	80.	129.	4.5	179.2	179.0	0.2
18970.000	80.	198.	2.9	185.0	184.7	0.3