

\*\*\*\*\* CPU TIME= 0 HOURS 06 MINS 27.86 SECS \*\*\*\*\*  
\*\*\*\*\* CONNECT TIME= 0 HOURS 06 MINS 01.00 SECS \*\*\*\*\*

Basin 20

Stream 7

Trib. 7 to Swift

Creek

1\$JOB B20ST7 2025PF FPM OUT=2025PF\*B20ST7NA PR=6 TI=100  
==> \$\*RUN 72202Z

21 JUN 89 8:09:57

1\*\*\*\*\*  
\* WATER SURFACE PROFILES \*  
\* VERSION OF NOVEMBER 1976 \*  
\* UPDATED MAY 1984 \*  
\* RUN DATE 21 JUN 89 TIME 8:10:49 \*  
\*\*\*\*\*

\*\*\*\*\*  
\* U.S. ARMY CORPS OF ENGINEERS \*  
\* THE HYDROLOGIC ENGINEERING CENTER \*  
\* 609 SECOND STREET, SUITE D \*  
\* DAVIS, CALIFORNIA 95616 \*  
\* (916) 440-2105 (FTS) 448-2105 \*  
\*\*\*\*\*

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      X      X  XXXXXXXX  XXXXX      XXXXX
      X      X  X          X          X
      X      X  X          X          X
      XXXXXXXX XXXX  X          X          X
      X      X  X          X          X
      X      X  X          X          X
      X      X  XXXXXXXX  XXXXX      XXXXXXXX

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1 21 JUN 89 8:10:49

PAGE 1

THIS RUN EXECUTED 21 JUN 89 8:10:49

\*\*\*\*\*  
HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984  
ERROR CORR - 01,02,03,04,05,06  
MODIFICATION - 50,51,52,53,54,55,56  
\*\*\*\*\*

T1 FPMS BR FLOOD HAZARD REQUEST 6/20/89 WRB  
T2 10 YEAR NATURAL  
T3 TRIB 7 TO SWIFT CR. (B20-ST7)

J1 ICHECK INQ NINW IDIR STRT METRIC HVINS Q WSEL FQ  
1 21 JUN 89 8:10:49

PAGE 18

THIS RUN EXECUTED 21 JUN 89 8:10:57

\*\*\*\*\*  
HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984  
ERROR CORR - 01,02,03,04,05,06  
MODIFICATION - 50,51,52,53,54,55,56  
\*\*\*\*\*

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

TRIB 7 TO SWIFT CR. (B20)

SUMMARY PRINTOUT

SECNO	CWSEL	EG	ELMIN	ELLC	CLASS	TOPWID	10K*S
4540.000	336.20	336.42	329.40	0.00	0.00	140.53	44.79
4540.000	338.20	338.32	329.40	0.00	0.00	329.44	23.27
4540.000	339.70	339.77	329.40	0.00	0.00	420.32	12.50
4540.000	342.60	342.66	329.40	0.00	0.00	596.69	7.88
5800.000	338.86	338.88	332.80	0.00	0.00	451.24	10.32
5800.000	339.95	339.97	332.80	0.00	0.00	522.18	8.31
5800.000	340.80	340.82	332.80	0.00	0.00	552.73	5.88
5800.000	343.29	343.33	332.80	0.00	0.00	652.25	3.82
* 5810.000	341.77	342.46	340.40	0.00	0.00	72.68	23.03
* 5810.000	342.79	343.96	340.40	0.00	0.00	74.66	19.49
* 5810.000	343.38	344.83	340.40	0.00	0.00	75.82	18.29
* 5810.000	345.42	347.64	340.40	0.00	0.00	86.45	16.12
* 5850.000	350.78	351.46	349.40	0.00	0.00	72.69	22.95
* 5850.000	351.79	352.96	349.40	0.00	0.00	74.67	19.46
* 5850.000	352.36	353.83	349.40	0.00	0.00	75.82	18.26
* 5850.000	354.44	356.64	349.40	0.00	0.00	86.61	15.95
* 5875.000	351.17	351.85	349.80	355.60	59.00	72.97	23.02
* 5875.000	352.19	353.30	349.80	355.60	59.00	75.16	19.50
* 5875.000	352.78	354.28	349.80	355.60	59.00	76.45	18.14
* 5875.000	354.61	356.97	349.80	355.60	59.00	88.91	15.90
* 5885.000	352.37	353.04	351.00	0.00	0.00	74.38	22.96
* 5885.000	354.37	354.51	351.00	0.00	0.00	77.58	19.53
* 5885.000	353.96	355.35	351.00	0.00	0.00	82.44	18.26
* 5885.000	355.62	357.96	351.00	0.00	0.00	90.00	15.58
5975.000	353.11	353.11	333.80	0.00	0.00	987.75	0.00
5975.000	354.63	354.63	333.80	0.00	0.00	1090.46	0.01
5975.000	355.49	355.49	333.80	0.00	0.00	1118.72	0.02
5975.000	358.18	358.18	333.80	0.00	0.00	1209.93	0.04

1 21 JUN 89 8:10:49

PAGE 19

SECNO	CWSEL	EG	ELMIN	ELLC	CLASS	TOPWID	10K*S
* 9800.000	356.00	356.04	350.00	0.00	0.00	98.46	188.07
* 9800.000	357.23	358.04	350.00	0.00	0.00	185.81	143.58
* 9800.000	357.53	358.37	350.00	0.00	0.00	214.40	149.77
* 9800.000	358.60	359.50	350.00	0.00	0.00	237.61	165.22

1 21 JUN 89 8:10:49

PAGE 20



SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB
4540.000	336.20	244.16	399.87	55.97	1.78	4.73	1.67
4540.000	338.20	804.40	491.97	223.62	1.70	4.22	1.37
4540.000	339.70	1249.26	492.58	458.16	1.53	3.50	1.28
4540.000	342.60	2746.43	629.21	1264.36	1.60	3.36	1.41
5800.000	338.86	0.00	649.88	0.12	0.00	1.01	0.14
5800.000	339.09	1.52	1489.67	0.82	0.31	1.28	0.39
5800.000	340.80	7.00	2053.75	27.25	0.39	1.32	0.45
5800.000	343.29	75.97	4275.97	178.06	0.59	1.55	0.66
* 5810.000	341.77	0.00	650.00	0.00	0.00	6.63	0.00
* 5810.000	342.79	0.00	1500.00	0.00	0.00	8.68	0.00
* 5810.000	343.38	0.00	2100.00	0.00	0.00	9.65	0.00
* 5810.000	345.42	0.00	4530.00	0.00	0.00	11.96	0.00
* 5850.000	350.78	0.00	650.00	0.00	0.00	6.62	0.00
* 5850.000	351.79	0.00	1500.00	0.00	0.00	8.67	0.00
* 5850.000	352.38	0.00	2100.00	0.00	0.00	9.65	0.00
* 5850.000	354.44	0.00	4530.00	0.00	0.00	11.91	0.00
* 5875.000	351.17	0.00	650.00	0.00	0.00	6.62	0.00
* 5875.000	352.19	0.00	1500.00	0.00	0.00	8.66	0.00
* 5875.000	352.78	0.00	2100.00	0.00	0.00	9.61	0.00
* 5875.000	354.81	0.00	4530.00	0.00	0.00	11.80	0.00
* 5885.000	352.37	0.00	650.00	0.00	0.00	6.58	0.00
* 5885.000	353.37	0.00	1500.00	0.00	0.00	8.58	0.00
* 5885.000	354.43	0.00	2100.00	0.00	0.00	9.59	0.00
* 5885.000	355.82	0.00	4530.00	0.00	0.00	11.75	0.00
5975.000	353.11	58.80	533.94	57.26	0.03	0.08	0.04
5975.000	354.63	161.47	1202.22	136.31	0.07	0.16	0.09
5975.000	355.49	247.91	1658.71	193.39	0.09	0.20	0.12
5975.000	358.18	682.41	3418.17	429.42	0.16	0.36	0.21
* 9800.000	356.00	91.80	739.79	78.41	2.34	9.00	2.69
* 9800.000	357.23	417.53	925.09	207.38	2.71	9.07	3.11
* 9800.000	357.53	595.58	1021.60	262.82	3.00	9.56	3.35
* 9800.000	358.60	1601.08	1374.60	524.32	3.90	11.09	4.13

1 21 JUN 89 8:10:49

PAGE 21

TRIB 7 TO SWIFT CR. (B20)  
SUMMARY PRINTOUT

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
4540.000	336.20	463.64	565.00	581.00	604.17	140.53
4540.000	338.20	358.06	565.00	581.00	687.50	329.44
4540.000	339.70	309.68	565.00	581.00	730.00	420.32
4540.000	342.60	203.70	565.00	581.00	800.39	596.69
5800.000	338.86	1422.48	1422.00	1900.00	1906.43	451.24

5800.000	339.95	1411.56	1422.00	1900.00	1933.73	522.18
5800.000	340.80	1402.22	1422.00	1900.00	1954.95	552.73
5800.000	343.29	1350.16	1422.00	1900.00	2002.41	652.25
* 5810.000	341.77	318.66	310.00	400.00	391.34	72.68
* 5810.000	342.79	317.67	310.00	400.00	392.33	74.66
* 5810.000	343.38	317.09	310.00	400.00	392.91	75.82
* 5810.000	345.42	310.99	310.00	400.00	397.44	86.45
* 5850.000	350.78	1318.66	1310.00	1400.00	1391.34	72.69
* 5850.000	351.79	1317.67	1310.00	1400.00	1392.33	74.67
* 5850.000	352.38	1317.09	1310.00	1400.00	1392.91	75.82
* 5850.000	354.44	1310.90	1310.00	1400.00	1397.51	86.61
* 5875.000	351.17	1318.51	1310.00	1400.00	1391.49	72.97
* 5875.000	352.19	1317.42	1310.00	1400.00	1392.58	75.16
* 5875.000	352.78	1316.77	1310.00	1400.00	1393.23	76.45
* 5875.000	354.81	1310.00	1310.00	1400.00	1398.91	88.91
* 5885.000	352.37	1317.81	1310.00	1400.00	1392.19	74.38
* 5885.000	353.37	1316.21	1310.00	1400.00	1393.79	77.58
* 5885.000	353.98	1313.37	1310.00	1400.00	1395.81	82.44
* 5885.000	355.82	1310.00	1310.00	1400.00	1400.00	90.00
5975.000	353.11	988.98	1422.00	1900.00	2033.10	987.75
5975.000	354.63	947.93	1422.00	1900.00	2038.38	1090.46
5975.000	355.49	924.66	1422.00	1900.00	2041.38	1116.72
5975.000	358.18	840.81	1422.00	1900.00	2050.74	1209.93
* 9800.000	356.00	555.83	614.00	630.00	654.30	98.46
* 9800.000	357.23	480.99	614.00	630.00	666.81	185.81
* 9800.000	357.53	455.51	614.00	630.00	669.91	214.40
* 9800.000	358.60	393.15	614.00	630.00	680.76	287.61

21 JUN 89 8:10:49

PAGE 22

TRIB 7 TO SWIFT CR. (B20)  
SUMMARY PRINTOUT TABLE 150

SECCO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01K
4540.000	0.00	0.00	0.00	329.40	700.00	336.20	0.00	336.42	44.79	4.73	255.33	104.60
4540.000	0.00	0.00	0.00	329.40	1520.00	338.20	0.00	338.32	23.27	4.22	751.98	315.12
4540.000	0.00	0.00	0.00	329.40	2200.00	339.70	0.00	339.77	12.50	3.50	1317.30	622.30
4540.000	0.00	0.00	0.00	329.40	4640.00	342.60	0.00	342.66	7.88	3.36	2793.05	1652.75
5800.000	1260.00	0.00	0.00	332.80	650.00	338.86	0.00	338.88	10.32	1.01	643.18	202.35
5800.000	1260.00	0.00	0.00	332.80	1500.00	339.95	0.00	339.97	8.31	1.28	1188.14	520.46
5800.000	1260.00	0.00	0.00	332.80	2100.00	340.80	0.00	340.82	5.88	1.32	1644.24	866.02
5800.000	1260.00	0.00	0.00	332.80	4530.00	343.29	0.00	343.33	3.82	1.55	3158.24	2318.67
* 5810.000	10.00	0.00	0.00	340.40	650.00	341.77	341.77	342.46	23.03	6.63	98.06	135.43
* 5810.000	10.00	0.00	0.00	340.40	1500.00	342.79	342.79	343.96	19.49	8.68	172.88	339.81
* 5810.000	10.00	0.00	0.00	340.40	2100.00	343.38	343.38	344.83	18.29	9.66	217.47	491.06
* 5810.000	10.00	0.00	0.00	340.40	4530.00	345.42	345.42	347.64	16.12	11.96	378.90	1128.38

**	5050.000	40.00	0.00	0.00	349.40	650.00	350.78	350.78	351.46	22.95	6.62	98.17	135.68
**	5050.000	40.00	0.00	0.00	349.40	1500.00	351.79	351.79	352.96	19.46	8.67	172.96	340.04
**	5050.000	40.00	0.00	0.00	349.40	2100.00	352.38	352.38	353.83	18.26	9.65	217.56	491.37
**	5050.000	40.00	0.00	0.00	349.40	4530.00	354.44	354.44	356.64	15.95	11.91	380.39	1134.41
**	5075.000	25.00	357.40	355.60	349.80	650.00	351.17	351.17	351.85	23.02	6.62	98.19	135.48
**	5075.000	25.00	357.40	355.60	349.80	1500.00	352.19	352.19	353.35	19.50	8.66	173.16	339.70
**	5075.000	25.00	357.40	355.60	349.80	2100.00	352.78	352.78	354.22	18.14	9.61	218.51	493.06
**	5075.000	25.00	357.40	355.60	349.80	4530.00	354.81	354.81	356.97	15.90	11.80	383.78	1136.16
**	5085.000	10.00	0.00	0.00	351.00	650.00	352.37	352.37	353.04	22.96	6.58	98.86	135.65
**	5085.000	10.00	0.00	0.00	351.00	1500.00	353.37	353.37	354.51	19.53	8.58	174.80	339.46
**	5085.000	10.00	0.00	0.00	351.00	2100.00	353.98	353.98	355.35	18.26	9.39	223.74	491.49
**	5085.000	10.00	0.00	0.00	351.00	4530.00	355.82	355.82	357.96	15.58	11.75	385.50	1147.50
**	5975.000	90.00	0.00	0.00	333.80	650.00	353.11	0.00	353.11	0.00	0.08	10008.78	12495.56
**	5975.000	90.00	0.00	0.00	333.80	1500.00	354.63	0.00	354.63	0.01	0.16	11610.28	15105.75
**	5975.000	90.00	0.00	0.00	333.80	2100.00	355.49	0.00	355.49	0.02	0.26	12540.38	16717.79
**	5975.000	90.00	0.00	0.00	333.80	4530.00	358.18	0.00	358.18	0.04	0.36	15682.63	22361.41
**	9800.000	3825.00	0.00	0.00	350.00	910.00	356.00	356.00	357.04	188.07	9.00	150.50	66.36
**	9800.000	3825.00	0.00	0.00	350.00	1550.00	357.23	357.23	358.04	143.58	9.07	322.59	129.35
**	9800.000	3825.00	0.00	0.00	350.00	1880.00	357.53	357.53	358.37	149.77	9.56	383.79	153.62
**	9800.000	3825.00	0.00	0.00	350.00	3500.00	358.60	358.60	359.50	165.22	11.09	661.29	272.29

1 21 JUN 89 8:10:49

PAGE 23

TRIB 7 TO SWIFT CR. (B20)  
SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
4540.000	700.00	336.20	0.00	0.00	0.00	140.53	0.00
4540.000	1520.00	338.20	2.00	0.00	0.00	329.44	0.00
4540.000	2200.00	339.70	1.50	0.00	0.00	420.32	0.00
4540.000	4640.00	342.60	2.90	0.00	0.00	596.69	0.00
5800.000	650.00	338.86	0.00	2.66	0.00	451.24	1260.00
5800.000	1500.00	339.95	1.09	1.75	0.00	522.18	1260.00
5800.000	2100.00	340.80	0.85	1.16	0.00	552.73	1260.00
5800.000	4530.00	343.29	2.50	0.69	0.00	652.25	1260.00
5810.000	650.00	341.77	0.00	2.91	0.00	72.68	10.00
5810.000	1500.00	342.79	1.02	2.84	0.00	74.66	10.00
5810.000	2100.00	343.38	0.59	2.58	0.00	75.82	10.00
5810.000	4530.00	345.42	2.04	2.12	0.00	86.45	10.00
5850.000	650.00	350.78	0.00	9.00	0.00	72.69	40.00
5850.000	1500.00	351.79	1.02	9.00	0.00	74.67	40.00
5850.000	2100.00	352.38	0.59	9.00	0.00	75.82	40.00
5850.000	4530.00	354.44	2.05	9.02	0.00	86.61	40.00
5875.000	650.00	351.17	0.00	0.40	0.00	72.97	25.00
5875.000	1500.00	352.19	1.01	0.39	0.00	75.16	25.00
5875.000	2100.00	352.78	0.60	0.40	0.00	76.45	25.00
5875.000	4530.00	354.81	2.03	0.37	0.00	88.91	25.00



*	5885.000	650.00	352.37	0.00	1.20	0.00	74.38	10.00
**	5885.000	1500.00	353.37	1.00	1.18	0.00	77.58	10.00
**	5885.000	2100.00	353.98	0.61	1.20	0.00	82.44	10.00
*	5885.000	4530.00	355.82	1.83	1.01	0.00	90.00	10.00
	5975.000	650.00	353.11	0.00	0.74	0.00	987.75	90.00
	5975.000	1500.00	354.63	1.52	1.26	0.00	1090.46	90.00
	5975.000	2100.00	355.49	0.86	1.50	0.00	1116.72	90.00
	5975.000	4530.00	358.18	2.69	2.36	0.00	1209.93	90.00
*	9800.000	910.00	356.00	0.00	2.89	0.00	98.46	3825.00
*	9800.000	1550.00	357.23	1.23	2.60	0.00	185.91	3825.00
*	9800.000	1980.00	357.53	0.31	2.05	0.00	214.40	3825.00
*	9800.000	3500.00	358.60	1.07	0.43	0.00	287.61	3825.00

1 21 JUN 89 8:10:49

PAGE 24

SUMMARY OF ERRORS AND SPECIAL NOTES

CAUTION	SECNO=	5810.000	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	5810.000	PROFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	5810.000	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	5810.000	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	5810.000	PROFILE=	2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	5810.000	PROFILE=	2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	5810.000	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	5810.000	PROFILE=	3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	5810.000	PROFILE=	3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	5810.000	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	5810.000	PROFILE=	4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	5810.000	PROFILE=	4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	5850.000	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	5850.000	PROFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	5850.000	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	5850.000	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	5850.000	PROFILE=	2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	5850.000	PROFILE=	2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	5850.000	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	5850.000	PROFILE=	3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	5850.000	PROFILE=	3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	5850.000	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	5850.000	PROFILE=	4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	5850.000	PROFILE=	4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	5875.000	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	5875.000	PROFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	5875.000	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	5875.000	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	5875.000	PROFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	5875.000	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	5875.000	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	5875.000	PROFILE=	2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	5875.000	PROFILE=	2	20 TRIALS ATTEMPTED TO BALANCE WSEL

D\$ JOB B205C24 2025PF PF OUT=2025PF\*B20ST24F PR=15 TI=50

\*\*RUM 722027

T1 FPMS BR FLOOD HAZARD REQUEST 6/20/89 WRB

T2 100 YEAR NATURAL

T3 TRIB 7 TO SWIFT CR. (B20-ST7)

J1	1	4	0	0	0	0	0	0	339.70	0
J2	1	0	-1	0	0	0	0	0	0	15
J3	38	1	3	42	41	5	43	0	38	1
J3	53	21	22	54	4	5	0	200	0	0
NC	.085	.085	.06	.1	.3	0	0	0	0	0
QT	5	700	1520	2200	4640	2200	0	0	0	0
ET						9.11				630
X1	4540	15	565	581	50	50	0	0	1490	0
GR	367.2	0	363.4	100	361.3	200	358.6	300	355.5	400
GR	354.4	500	351.2	565	349.4	571	348	575	349.4	579
GR	351.4	581	354.7	600	357.1	700	361.1	800	367.5	825
QT	5	650	1500	2100	4530	2100	0	0	0	0
ET		9.11	9.11	9.11	9.11				1000	1550
ET						9.11			1410	1550
X1	5800	31	1422	1900	1260	1260	1260	0	0	0
GR	400	0	390	300	380	400	370	600	360	700
GR	358.4	800	355.4	900	351.7	1000	352.			

\*\*\*\*\*

Not ready error reading file

\*



#JOB B20ST24 2025PF PF OUT=2025PF\*B20ST24F PR=15 TI=50

NON 72024 FPMS BR FLOOD HAZARD REQUEST 6/20/89 WRB

T2 100 YEAR NATURAL  
T3 TRIB 7 TO SWIFT CR. (B20-ST7)

J1	1	4	0	0	0	0	0	339.70	0
J2	0	0	-1	0	0	0	0	0	15
J3	38	1	3	42	41	5	43	38	1
J3	53	21	22	54	4	5	0	200	0
NC	.085	.085	.06	.1	.3	0	0	0	0
QT	5	700	1520	2200	4640	2200	0	0	0
ET						9.11		490	630
X1	4540	15	565	581	50	50	0	-18.6	0
GR	367.2	0	363.4	100	361.3	200	358.6	300	355.5
GR	354.4	500	351.2	565	349.4	571	348	575	349.4
GR	351.4	581	354.7	600	357.1	700	361.1	800	367.5
QT	5	650	1500	2100	4530	2100	0	0	0
ET		9.11	9.11	9.11	9.11			1000	1550
ET						9.11		1410	1550
X1	5800	31	1422	1900	1260	1260	0	0	0
GR	400	0	390	300	380	400	370	600	360
GR	358.4	800	355.4	900	351.7	1000	352.8	1052	351.6
GR	350	1200	345.6	1300	341	1400	339	1422	333.9
GR	333.2	1449	334	1460	339	1478	339	1500	337.6
GR	338	1700	337.2	1751	332.8	1768	337.1	1776	338.6
GR	342.6	2000	358.4	2055	370	2100	380	2150	390
GR	400	2250	0	0	0	0	0	0	0
NC	.085	.085	.013	0	0	0	0	0	0
ET						9.11		310	400
X1	5810	10	310	400	10	10	0	0	0
GR	350	130	346	200	345.6	310	344.5	316	340.4
GR	340.4	390	344.5	394	346.1	400	346	410	350
ET						9.11		1310	1400
X1	5850	16	1310	1400	40	40	0	0	0
X3	10						357.4	357.4	0
GR	394	0	370	500	360	750	358	800	356
GR	356	1300	355.6	1309	354.6	1310	353.5	1316	349.4
GR	349.4	1390	353.5	1394	355.1	1400	355.6	1401	357
GR	365	1700	0	0	0	0	0	0	0
SE	0	1.13	2.6	0	66	0	485	1.93	349.8
ET						9.11		1310	1400
X1	5875	16	1310	1400	25	25	0	0	0
X2	0	0	1	355.6	357.4	0	0	0	0
X3	10						357.4	357.4	0
BT	-12	0	394	0	500	370	0	750	360
BT	0	800	358	0	830	358	0	1300	357.4
BT	0	1309	357.4	355.6	1310	357.4	355.6	1400	357.4
BT	0	1401	357.4	355.6	1500	358.9	0	1700	365
GR	394	0	370	500	360	750	358	800	356
GR	356	1300	355.6	1309	354.6	1310	353.5	1316	349.8
GR	349.8	1390	353.5	1394	355.1	1400	355.6	1401	357
GR	365	1700	0	0	0	0	0	0	0
ET						9.11		1310	1400
X1	5885	15	1310	1400	10	10	0	0	0
X3	10						357.4	357.4	0
GR	394	0	370	500	360	750	358	800	356
GR	355	950	355	1309	354.6	1310	353.5	1316	351.0
GR	351.0	1390	353.5	1394	355.1	1400	357	1500	365
NC	.085	.085	.06	0	0	0	0	0	0
ET						9.11		1050	2000

X1	5975	31	1422	1900	90	90	90	0	1	0
GR	400	0	300	300	380	400	370	600	360	700
GR	358.4	800	355.4	900	351.7	1000	352.0	1452	351.6	1093
GR	350	1200	345.6	1300	341	1400	339	1422	333.9	1434
GR	333.2	1449	334	1460	339	1478	339	1500	337.6	1600
GR	338	1700	337.2	1751	332.8	1768	337.1	1776	338.6	1900
GR	342.6	2000	358.4	2055	370	2100	380	2150	390	2200
GR	400	2250	0	0	0	0	0	0	0	0
QT	5	910	1550	1800	3500	1800	0	0	0	0
ET	5	0	0	0	0	7.1	614	630	0	0
ET						7.1			465	670
X1	9800	14	614	630	3825	3825	3825	0	-0.4	0
GR	372.8	0	369.1	100	366.5	200	364.5	300	358.6	400
GR	357.4	500	355.6	600	354.1	614	616	616	350.4	622
GR	351.2	628	354	630	360.9	700	376.5	800	0	0

FPMS BR FLOOD HAZARD REQUEST 6/20/89 WRB

T1	100 YR ENCROACHED									
T2	TRIB 7 TO SWIFT CR. (B20-ST7)									
T3										
J1	1	6	0	0	0	0	0	0	340.50	0
J2	15	0	-1	0	0	0	0	0	0	15

ER  
#EOF  
#EOJ

FPMS BR FLOOD HAZARD REQUEST 6/20/89 WRB

T1	100 YEAR NATURAL									
T2	TRIB 7 TO SWIFT CR. (B20-ST7)									
T3										
J1	1	4	0	0	0	0	0	0	339.70	0
J2	3	0	-1	0	0	0	0	0	0	0

  

T1	500 YEAR NATURAL									
T2	TRIB 7 TO SWIFT CR. (B20-ST7)									
T3										
J1	1	5	0	0	0	0	0	0	342.60	0
J2	15	0	-1	0	0	0	0	0	0	0

ER

1\$JOB B20ST24 2025PF FPM OUT=2025PF\*B20ST24F PR=15 TI=50  
==> \$\*RUN 72202Z

26 JUN 89 6:50:40

1\*\*\*\*\*  
\* WATER SURFACE PROFILES \*  
\* VERSION OF NOVEMBER 1976 \*  
\* UPDATED MAY 1984 \*  
\* RUN DATE 26 JUN 89 TIME 6:51:05 \*  
\*\*\*\*\*

\*\*\*\*\*  
\* U.S. ARMY CORPS OF ENGINEERS \*  
\* THE HYDROLOGIC ENGINEERING CENTER \*  
\* 609 SECOND STREET, SUITE D \*  
\* DAVIS, CALIFORNIA 95616 \*  
\* (916) 440-2105 (FTS) 449-2105 \*  
\*\*\*\*\*

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X      X  XXXXXXX  XXXXX      XXXXX
X      X  X      X      X      X
X      X  X      X      X      X
XXXXXXX XXXX      X      X      XXXXX
X      X  X      X      X      X
X      X  X      X      X      X
X      X  XXXXXXX  XXXXX      XXXXXXX

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1 26 JUN 89 6:51:05

PAGE 1

THIS RUN EXECUTED 26 JUN 89 6:51:06

\*\*\*\*\*  
HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984  
ERROR CORR - 01,02,03,04,05,06  
MODIFICATION - 50,51,52,53,54,55,56  
\*\*\*\*\*

T1 FPM5 BR FLOOD HAZARD REQUEST 6/20/89 WRB  
T2 100 YEAR NATURAL  
T3 TRIB 7 TO SWIFT CR. (B20-ST7)

1 J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ  
26 JUN 89 6:51:05

PAGE 12

THIS RUN EXECUTED 26 JUN 89 6:51:16

\*\*\*\*\*  
HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984  
ERROR CORR - 01,02,03,04,05,06  
MODIFICATION - 50,51,52,53,54,55,56  
\*\*\*\*\*

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

TRIB 7 TO SWIFT CR. (B20



## SUMMARY PRINTOUT

	SECNO	CWSEL	EG	ELMIN	ELLC	10K*S	Q
	4540.000	339.70	339.77	329.40	0.00	12.50	2200.00
	4540.000	340.50	340.64	329.40	0.00	16.69	2200.00
	5800.000	341.85	342.04	333.20	0.00	27.65	2100.00
	5800.000	342.61	342.75	333.20	0.00	16.82	2100.00
*	5810.000	343.38	344.83	340.40	0.00	18.25	2100.00
*	5810.000	343.38	344.83	340.40	0.00	18.32	2100.00
*	5850.000	352.38	353.83	349.40	0.00	18.27	2100.00
*	5850.000	352.38	353.83	349.40	0.00	18.26	2100.00
*	5875.000	352.78	354.22	349.80	355.60	18.14	2100.00
*	5875.000	352.78	354.22	349.80	355.60	18.14	2100.00
*	5885.000	353.98	355.35	351.00	0.00	18.26	2100.00
*	5885.000	353.98	355.35	351.00	0.00	18.26	2100.00
	5975.000	355.49	355.49	333.80	0.00	0.02	2100.00
	5975.000	355.49	355.49	333.80	0.00	0.02	2100.00
*	9800.000	357.53	358.37	350.00	0.00	149.77	1880.00
*	9800.000	357.54	358.37	350.00	0.00	147.96	1880.00

1 26 JUN 89 6:51:05

PAGE 13

TRIB 7 TO SWIFT CR. (E20)

## SUMMARY PRINTOUT

	SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWTD	10K*S
	4540.000	339.70	309.68	565.00	581.00	730.00	420.32	12.50
	4540.000	340.50	490.00	565.00	581.00	630.00	140.00	16.69
	5800.000	341.85	1381.59	1422.00	1900.00	1550.00	168.41	27.65
	5800.000	342.61	1410.00	1422.00	1900.00	1550.00	140.00	16.82
*	5810.000	343.38	317.09	310.00	400.00	392.91	75.82	18.25
*	5810.000	343.38	317.09	310.00	400.00	392.91	75.82	18.32
*	5850.000	352.38	1317.09	1310.00	1400.00	1392.91	75.82	18.27
*	5850.000	352.38	1317.09	1310.00	1400.00	1392.91	75.82	18.26
*	5875.000	352.78	1316.77	1310.00	1400.00	1393.23	76.45	18.14
*	5875.000	352.78	1316.77	1310.00	1400.00	1393.23	76.45	18.14
*	5885.000	353.98	1313.37	1310.00	1400.00	1395.81	82.44	18.26
*	5885.000	353.98	1313.37	1310.00	1400.00	1395.81	82.44	18.26
	5975.000	355.49	924.66	1422.00	1900.00	2041.38	1116.72	0.02

	5975.000	355.49	1050.00	1422.00	1900.00	2000.00	950.00	0.02
*	9800.000	357.53	455.51	614.00	630.00	669.91	214.40	149.77
*	9800.000	357.54	465.00	614.00	630.00	670.00	205.00	147.96

1 26 JUN 89 6:51:05

PAGE 14

SUMMARY OF ERRORS AND SPECIAL NOTES

CAUTION	SECNO=	5810.000	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	5810.000	PROFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	5810.000	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	5810.000	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	5810.000	PROFILE=	2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	5810.000	PROFILE=	2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	5850.000	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	5850.000	PROFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	5850.000	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	5850.000	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	5850.000	PROFILE=	2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	5850.000	PROFILE=	2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	5875.000	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	5875.000	PROFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	5875.000	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	5875.000	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	5875.000	PROFILE=	2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	5875.000	PROFILE=	2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	5885.000	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	5885.000	PROFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	5885.000	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	5885.000	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	5885.000	PROFILE=	2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	5885.000	PROFILE=	2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	9800.000	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	9800.000	PROFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	9800.000	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	9800.000	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	9800.000	PROFILE=	2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	9800.000	PROFILE=	2	20 TRIALS ATTEMPTED TO BALANCE WSEL

1 26 JUN 89 6:51:05

PAGE 15

FLOODWAY DATA, TRIB 7 TO SWIFT CR. (B20)  
 PROFILE NO. 2

STATION	FLOODWAY		MEAN	WATER SURFACE ELEVATION	
	WIDTH	SECTION		WITH	WITHOUT DIFFERENCE

	AREA	VELOCITY	FLOODWAY	FLOODWAY	
4540.000	140.	845.	2.6	340.5	339.7
5800.000	140.	719.	0.9	342.7	341.9
5810.000	76.	217.	0.7	343.4	343.4
5850.000	76.	218.	0.7	351.4	352.4
5875.000	76.	219.	0.6	352.8	352.8
5885.000	82.	224.	0.4	354.0	354.0
5975.000	950.	12096.	8.2	355.5	355.5
6300.000	205.	389.	4.9	357.5	357.5

1 26 JUN 89 6:51:18

PAGE 1

THIS RUN EXECUTED 26 JUN 89 6:51:18

\*\*\*\*\*  
 HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984  
 ERROR CORR - 01,02,03,04,05,06  
 MODIFICATION - 50,51,52,53,54,55,56  
 \*\*\*\*\*

STOP  
 ==> \$EOF  
 0\*\*\*\*\*JOBCTRL ER 117 : INVALID JCL OR PROGRAM NAME.  
 0\*\*\*\*\*J:B20ST24 JOBCTRL CP :D AB 24 @ 003267 : PROGRAM CALLED ABORT  
 0\*\*\*\*\* JOB EXITS ON 26 JUN 89 6:51:22 \*\*\*\*\*  
 0\*\*\*\*\* CPU TIME= 0 HOURS 0 MINS 6.90 SECS \*\*\*\*\*  
 0\*\*\*\*\* CONNECT TIME= 0 HOURS 1 MINS 14.00 SECS \*\*\*\*\*