

THIS RUN EXECUTED 05/02/81 8:17:39

 HEC2 RELEASE DATED NOV 76 UPDATED JULY1979
 ERROR CORR - 01,02,03
 MODIFICATION - 50,51,52,53,54

T1	ANDREWS NC LFS					JUNALU					5
T2	10 YEAR FLOOD					MARCH 1981	BCH				10
T3	JUNALUSKA CREEK					FLOOD PROFILES					15
J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ	
	0.	2.	0.	0.	0.00520	0.	0.0	1310.	1785.00	0.0	20
J2	NPROF	IPLLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE	
	1.	0.	-1.	0.	0.	0.0	0.0	0.	0.	0.	25
J3	VARIABLE CODES FOR SUMMARY PRINTOUT										
	150.00	0.0	160.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
NC	0.060	0.055	0.050	0.1	0.5						35
QT	0.	1310.	2200.	2700.	3940.	10500.	2700.	0.	0.	0.	40
X1	0.02	20.	200.	280.	0.	0.	0.	0.0	0.0	0.	45
GR	1800.0	0.	1794.5	15.	1794.1	105.	1789.5	150.	1787.0	165.	50
GR	1784.9	200.	1781.9	212.	1780.2	232.	1780.2	236.	1780.9	247.	55
GR	1780.5	255.	1780.7	268.	1784.3	280.	1784.5	300.	1788.5	400.	60
GR	1790.0	700.	1790.0	1000.	1795.5	1600.	1801.5	1800.	1810.0	1801.	65
X1	0.02	0.	0.	0.	50.	50.	50.	0.0	0.0	0.	70
X3	10.	0.0	0.0	0.	0.0	0.	0.0	1788.1	1788.6		75
X1	0.02	38.	200.	280.	1.	1.	1.	0.0	0.0	0.	80
X3	10.	0.0	0.0	0.	0.0	0.	0.0	1788.1	1788.6		85
BT	4.0	200.0	1789.1	0.0	200.0	1789.1	1786.3	280.0	1789.6	1786.3	90
BT	280.0	1789.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	95
GR	1300.0	0.	1794.5	15.	1794.1	105.	1789.5	150.	1789.0	155.	100
GR	1789.1	200.	1784.9	200.	1781.9	212.	1781.3	220.	1787.0	220.	105
GR	1787.0	221.	1781.3	221.	1780.2	230.	1787.0	230.	1787.0	231.	110
GR	1780.2	231.	1780.2	236.	1780.7	240.	1787.0	240.	1787.0	241.	115
GR	1780.7	241.	1780.9	247.	1780.7	250.	1787.0	250.	1787.0	251.	120
GR	1780.7	251.	1780.5	255.	1780.6	260.	1787.0	260.	1787.0	261.	125
GR	1780.6	261.	1780.7	268.	1784.3	280.	1789.6	280.	1791.5	400.	130
GR	1795.7	1000.	1802.9	1800.	1810.0	1801.	0.0	0.	0.0	0.	135
NC	0.055	0.050	0.045	0.0	0.0						140
X1	0.02	0.	0.	0.	10.	10.	10.	0.0	0.0	0.	145
X2	0.	0.0	0.	0.0	0.0	0.0	1.	0.0	0.0	0.	150
X3	10.	0.0	0.0	0.	0.0	0.	0.0	1789.1	1789.6		155

X1	0.02	20.	200.	280.	1.	1.	1.	0.0	0.0	0.	160
X3	10.	0.0	0.0	0.	0.0	0.	0.0	1789.1	1789.6		165
GR	1800.0	0.	1794.5	15.	1794.1	105.	1789.5	150.	1787.0	165.	170
GR	1784.9	200.	1781.9	212.	1780.2	232.	1780.2	236.	1780.9	247.	175
GR	1780.5	255.	1780.7	268.	1784.3	280.	1784.5	300.	1788.5	400.	180
GR	1790.0	700.	1790.0	1000.	1795.5	1600.	1801.5	1800.	1810.0	1801.	185

X1	0.02	0.	0.	0.	20.	20.	20.	0.0	0.0	0.	190
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X1	0.04	15.	103.	148.	120.	120.	120.	0.0	0.0	0.	195
GR	1800.0	0.	1793.7	0.	1791.5	20.	1786.5	56.	1785.4	73.	200
GR	1784.5	103.	1782.5	110.	1780.8	122.	1781.5	132.	1784.5	148.	205
GR	1786.6	232.	1789.8	480.	1790.8	650.	1793.4	905.	1800.0	1100.	210
NC	0.060	0.055	0.045	0.0	0.0						215
QT	6.	1300.	2190.	2690.	3920.	10500.	2690.	0.	0.	0.	220

X1	0.20	15.	96.	135.	710.	710.	710.	0.0	-1.30	0.	225
GR	1808.8	0.	1800.6	30.	1796.3	50.	1790.6	96.	1786.9	100.	230
GR	1786.9	125.	1792.4	135.	1793.1	180.	1793.2	275.	1795.1	333.	235
GR	1791.6	440.	1793.5	540.	1792.9	572.	1794.0	635.	1798.5	650.	240

X1	0.25	0.	0.	0.	260.	260.	260.	0.0	1.30	0.	245
NC	0.060	0.070	0.055	0.0	0.0						250
QT	6.	1300.	2180.	2680.	3910.	10500.	2680.	0.	0.	0.	255

X1	0.45	15.	557.	607.	1020.	1020.	1020.	0.0	-1.40	0.	260
GR	1818.3	0.	1812.5	130.	1811.1	230.	1810.0	385.	1803.8	417.	265
GR	1802.9	545.	1801.9	557.	1795.6	565.	1795.6	585.	1796.5	585.	270
GR	1801.9	607.	1804.3	730.	1804.3	905.	1807.8	915.	1815.0	915.	275
QT	6.	1290.	2180.	2670.	3880.	10500.	2670.	0.	0.	0.	280

X1	0.49	0.	0.	0.	200.	200.	200.	0.0	1.40	0.	285
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X1	0.57	25.	444.	481.	540.	540.	540.	0.0	0.0	0.	290
GR	1824.1	0.	1821.0	52.	1820.6	95.	1819.8	165.	1817.4	230.	295
GR	1810.1	298.	1811.7	338.	1812.6	391.	1812.6	435.	1810.8	440.	300
GR	1809.7	444.	1803.7	459.	1803.2	459.	1803.2	467.	1803.2	476.	305
GR	1803.7	476.	1809.6	481.	1811.9	507.	1812.4	619.	1813.2	660.	310
GR	1814.7	722.	1814.7	804.	1814.7	873.	1820.0	900.	1825.0	925.	315
NC	0.065	0.065	0.055	0.0	0.0						320
QT	6.	1290.	2170.	2660.	3880.	10500.	2660.	0.	0.	0.	325

X1	0.72	15.	200.	230.	660.	660.	660.	0.0	0.0	0.	330
GR	1834.5	25.	1831.5	80.	1826.5	100.	1823.8	125.	1821.3	200.	335
GR	1819.0	200.	1814.3	217.	1818.3	227.	1822.0	230.	1827.1	350.	340
GR	1827.4	400.	1829.2	600.	1828.6	700.	1830.5	835.	1840.0	1000.	345

X1	0.72	0.	0.	0.	60.	60.	60.	0.0	0.0	0.	350
X3	10.	0.0	0.0	0.	0.0	0.	0.0	1822.6	1825.0		355

C01

SB	1.25	1.60	3.00	0.	15.00	0.01	140.00	0.82	1817.4	1817.4	360
X1	0.72	0.	0.	0.	15.	15.	15.	0.0	0.0	0.	365
X2	0.	0.0	1.	1823.6	1823.8	0.0	0.	0.0	0.0	0.	370
X3	10.	0.0	0.0	0.	0.0	0.	0.0	1823.8	1826.8	0.	375
BT	10.0	25.0	1834.5	0.0	80.0	1831.5	0.0	100.0	1826.5	0.0	380
BT	125.0	1823.8	0.0	235.0	1826.5	0.0	300.0	1826.8	0.0	400.0	385
BT	1827.4	0.0	600.0	1829.2	0.0	700.0	1828.6	0.0	835.0	1830.5	390
BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	395
X1	0.72	15.	200.	230.	40.	40.	40.	0.0	0.80	0.	400
GR	1834.5	25.	1831.5	80.	1826.5	100.	1823.8	125.	1821.3	200.	405
GR	1819.0	200.	1814.3	217.	1818.3	227.	1822.0	230.	1827.1	350.	410
GR	1827.4	400.	1829.2	600.	1828.6	700.	1830.5	835.	1840.0	1000.	415
NC	0.055	0.055	0.055	0.3	0.8						420
X1	0.74	0.	0.	0.	70.	70.	70.	0.0	2.40	0.	425
X1	0.74	26.	533.	620.	60.	60.	60.	0.0	-2.50	0.	430
GR	1843.5	0.	1834.2	130.	1836.5	330.	1837.0	480.	1837.1	530.	435
GR	1835.2	533.	1833.5	533.	1832.5	543.	1828.3	553.	1821.0	563.	440
GR	1820.5	569.	1820.1	570.	1820.0	575.	1820.2	582.	1825.0	593.	445
GR	1830.0	605.	1833.6	617.	1833.6	620.	1835.2	620.	1837.5	624.	450
GR	1837.8	680.	1838.4	830.	1838.2	1030.	1839.5	1330.	1839.5	1430.	455
GR	1845.0	1530.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	460
X1	0.74	32.	533.	620.	1.	1.	1.	0.0	-2.50	0.	465
BT	4.0	530.0	1837.1	0.0	530.0	1837.1	1835.2	624.0	1837.5	1835.2	470
BT	624.0	1837.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	475
GR	1843.5	0.	1834.2	130.	1836.5	330.	1837.0	480.	1837.1	530.	480
GR	1835.2	533.	1833.5	533.	1832.5	543.	1828.3	553.	1821.0	563.	485
GR	1835.2	563.	1835.2	564.	1821.0	564.	1820.5	569.	1820.1	570.	490
GR	1820.0	575.	1820.2	582.	1825.0	593.	1835.2	593.	1835.2	594.	495
GR	1825.0	594.	1830.0	605.	1833.6	617.	1833.6	620.	1835.2	620.	500
GR	1837.5	624.	1837.8	680.	1838.4	830.	1838.2	1030.	1839.5	1330.	505
GR	1839.5	1430.	1845.0	1530.	0.0	0.	0.0	0.	0.0	0.	510
X1	0.76	0.	0.	0.	120.	120.	120.	0.0	2.50	0.	515
X2	0.	0.0	0.	0.0	0.0	0.0	1.	0.0	0.0	0.	520
NC	0.065	0.065	0.055	0.0	0.0						525
X1	0.76	26.	533.	620.	1.	1.	1.	0.0	0.0	0.	530
GR	1843.5	0.	1834.2	130.	1836.5	330.	1837.0	480.	1837.1	530.	535
GR	1835.2	533.	1833.5	533.	1832.5	543.	1828.3	553.	1821.0	563.	540
GR	1820.5	569.	1820.1	570.	1820.0	575.	1820.2	582.	1825.0	593.	545
GR	1830.0	605.	1833.6	617.	1833.6	620.	1835.2	620.	1837.5	624.	550
GR	1837.8	680.	1838.4	830.	1838.2	1030.	1839.5	1330.	1839.5	1430.	555
GR	1845.0	1530.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	560
X1	0.76	22.	495.	558.	40.	40.	40.	0.0	0.0	0.	565
GR	1843.4	0.	1836.9	90.	1833.0	200.	1833.7	305.	1832.5	345.	570
GR	1834.1	405.	1832.0	440.	1830.0	460.	1831.1	495.	1821.5	508.	575

*PROF 1

CCHV= 0.100 CEHV= 0.500

*SECNO .020

JUNALUSKA CREEK		10 YEAR FLOOD			05/02/81		TOPWID		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	BANK ELEV		
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	LEFT/RIGHT		
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	SSTA		
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA		
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST		VOL
0.02	1310.	0.	1302.	8.	0.36	0	107.		
1784.78	0.0	0.	271.	9.	0.50	0	1784.90		
4.58	1785.00	0.0	4.81	0.97	0.0	1785.14	1784.30		
0.005202	0.0	0.060	0.050	0.055	0.0	-0.00	200.47		
	1780.20	0.	0.	0.	40.	67.	307.07		0.

*SECNO .020

*** GR CARDS REPEATED

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1788.10 ELREA= 1788.60

0.02	1310.	0.	1310.	0.	0.31	2	80.		
1785.06	0.0	0.	293.	0.	-0.05	0	1784.90		
4.86	0.0	0.0	4.47	0.0	0.23	1785.37	1784.30		
0.004074	0.049	0.060	0.050	0.055	0.00	-0.00	200.00		
	1780.20	50.	50.	50.	40.	40.	280.00		0.

*SECNO .020

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1789.10 MAX ELLC= 1786.30

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1788.10 ELREA= 1788.60

0.02	1310.	0.	1310.	0.	0.37	2	75.		
1785.04	0.0	0.	268.	0.	0.06	0	1789.10		
4.84	0.0	0.0	4.89	0.0	0.01	1785.41	1789.60		
0.009402	0.048	0.060	0.050	0.055	0.03	-0.00	200.00		
	1780.20	1.	1.	1.	40.	40.	280.00		0.

*SECNO .020

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1789.10 MAX ELLC= 1786.30

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1789.10 ELREA= 1789.60

F01

0.02	1310.	0.	1310.	0.	0.35	2	75.	
1785.14	0.0	0.	276.	0.	-0.02	0	1789.10	
4.94	0.0	0.0	4.75	0.0	0.08	1785.49	1789.60	
0.007032	0.047	0.055	0.045	0.050	0.00	-0.00	200.00	
	1780.20	10.	10.	10.	40.	40.	280.00	0.

*SECNO .020

JUNALUSKA CREEK

10 YEAR FLOOD

05/02/81

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

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 1789.10 ELREA= 1789.60

0.02	1310.	0.	1310.	0.	0.29	2	80.	
1785.22	0.0	0.	305.	0.	-0.07	0	1784.90	
5.02	0.0	0.0	4.29	0.0	0.00	1785.50	1784.30	
0.002874	0.046	0.055	0.045	0.050	0.01	-0.00	200.00	
	1780.20	1.	1.	1.	40.	40.	280.00	0.

*SECNO .020

*** GR CARDS REPEATED

0.02	1310.	1.	1277.	33.	0.25	0	127.	
1785.31	0.0	1.	313.	27.	-0.03	0	1784.90	
5.11	0.0	0.48	4.08	1.22	0.05	1785.56	1784.30	
0.002508	0.045	0.055	0.045	0.050	0.00	-0.00	193.05	
	1780.20	20.	20.	20.	47.	80.	320.42	1.

*SECNO .040

3301 HV CHANGED MORE THAN HVINS

JUNALUSKA CREEK

10 YEAR FLOOD

05/02/81

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

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

0.04	1310.	44.	1213.	53.	0.98	2	121.	
1785.59	1785.59	19.	148.	24.	0.73	11	1784.50	
4.79	0.0	2.25	8.22	2.25	0.58	1786.56	1784.50	
0.012983	0.045	0.055	0.045	0.050	0.36	-0.00	70.12	
	1780.80	120.	120.	120.	55.	66.	191.45	1.

*SECNO .200

3265 DIVIDED FLOW

601

0.20	1300.	31.	1208.	61.	0.58	4	163.	
1791.37	0.0	17.	190.	50.	-0.39	0	1789.30	
5.77	0.0	1.77	6.35	1.21	5.36	1791.96	1791.10	
0.004908	0.045	0.060	0.045	0.055	0.04	-0.00	79.26	
	1785.60	710.	710.	710.	36.	381.	496.52	5.

*SECNO .250

*** GR CARDS REPEATED

3265 DIVIDED FLOW

0.25	1300.	30.	1211.	59.	0.59	3	159.	
1792.66	0.0	17.	189.	48.	0.01	0	1790.60	
5.76	0.0	1.77	6.39	1.21	1.29	1793.25	1792.40	
0.005005	0.045	0.060	0.045	0.055	0.00	-0.00	79.43	
	1786.90	260.	260.	260.	36.	380.	495.43	6.

*SECNO .450

JUNALUSKA CREEK 10 YEAR FLOOD 05/02/81

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
0.45	1300.	0.	1300.	0.	0.75	3	47.	
1800.02	0.0	0.	187.	0.	0.15	0	1800.50	
5.82	0.0	0.0	6.94	0.0	7.44	1800.77	1800.50	
0.011619	0.050	0.060	0.055	0.070	0.08	-0.00	557.60	
	1794.20	1020.	1020.	1020.	24.	23.	605.06	12.

*SECNO .490

*** GR CARDS REPEATED

0.49	1290.	0.	1290.	0.	0.54	3	61.	
1802.07	0.0	0.	219.	1.	-0.21	0	1801.90	
6.47	0.0	0.41	5.88	0.35	1.82	1802.61	1801.90	
0.007280	0.050	0.060	0.055	0.070	0.02	-0.00	554.95	
	1795.60	200.	200.	200.	27.	34.	615.77	13.

*SECNO .570

3301 HV CHANGED MORE THAN HVINS

0.57	1290.	0.	1290.	0.	1.63	2	33.	
1808.42	0.0	0.	126.	0.	1.09	0	1809.70	
5.22	0.0	0.0	10.25	0.0	6.90	1810.06	1809.60	
0.028031	0.051	0.060	0.055	0.070	0.55	-0.00	447.22	
	1803.20	540.	540.	540.	15.	17.	479.99	15.

*SECNO .720

3301 HV CHANGED MORE THAN HVINS

H01

0.72	1290.	7.	1283.	0.	1.12	4	48.	
1821.90	0.0	5.	150.	0.	-0.51	0	1821.30	
7.60	0.0	1.23	8.53	0.0	12.92	1823.02	1822.00	
0.014436	0.052	0.065	0.055	0.065	0.05	-0.00	182.02	
	1814.30	660.	660.	660.	33.	15.	229.92	17.

*SECNO .720

*** GR CARDS REPEATED

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLE= 1822.60 ELREA= 1825.00

0.72	1290.	73.	1217.	0.	0.65	2	81.	
1822.99	0.0	43.	183.	0.	-0.48	0	1821.30	
8.69	0.0	1.68	6.64	0.0	0.57	1823.64	1822.00	
0.006755	0.052	0.065	0.055	0.065	0.05	-0.00	149.14	
	1814.30	60.	60.	60.	66.	15.	230.00	17.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	15.00	0.01	140.00	0.82
	ELCHU	ELCHD						
	1817.40	1817.40						

*SECNO .720

*** GR CARDS REPEATED

JUNALUSKA CREEK		10 YEAR FLOOD			05/02/81			
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

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
1825.10	1823.76	0.00	66.	1223.	140.	125.	1823.60
ELTRD							
1823.80							

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLE= 1823.80 ELREA= 1826.80

0.72	1290.	274.	1016.	0.	0.24	2	113.	
1824.65	0.0	161.	233.	0.	-0.41	0	1821.30	
10.35	0.0	1.70	4.36	0.0	1.25	1824.89	1822.00	
0.002119	0.052	0.065	0.055	0.065	0.0	-0.00	117.14	
	1814.30	15.	15.	15.	98.	15.	230.00	17.

*SECNO .720

0.72	1290.	163.	1073.	54.	0.34	2	151.
1824.70	0.0	102.	211.	43.	0.10	0	1822.10

101

9.60	0.0	1.61	5.09	1.27	0.10	1825.04	1822.80	
0.003304	0.052	0.065	0.055	0.065	0.05	-0.00	124.04	
	1815.10	40.	40.	40.	91.	60.	274.79	18.

CCHV= 0.300 CEHV= 0.800
 *SECNO .740

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

0.74	1290.	4.	1286.	0.	1.19	2	44.	
1824.97	0.0	3.	147.	0.	0.85	0	1824.50	
7.47	0.0	1.29	8.77	0.0	0.43	1826.16	1825.20	
0.015723	0.052	0.055	0.055	0.055	0.68	-0.00	185.96	
	1817.50	70.	70.	70.	29.	15.	229.81	18.

*SECNO .740

3301 HV CHANGED MORE THAN HVINS

0.74	1290.	0.	1290.	0.	0.29	2	51.	
1826.46	0.0	0.	297.	0.	-0.90	0	1832.70	
8.96	0.0	0.0	4.34	0.0	0.33	1826.76	1832.70	
0.002751	0.052	0.055	0.055	0.055	0.27	-0.00	551.41	
	1817.50	60.	60.	60.	25.	26.	602.53	18.

*SECNO .740

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1837.10 MAX ELLC= 1835.20

0.74	1290.	0.	1290.	0.	0.31	0	49.	
1826.46	0.0	0.	288.	0.	0.02	0	1832.70	
8.96	0.0	0.0	4.48	0.0	0.00	1826.78	1832.70	
0.004805	0.052	0.055	0.055	0.055	0.02	-0.00	551.40	
	1817.50	1.	1.	1.	25.	26.	602.74	18.

*SECNO .760

*** GR CARDS REPEATED

3265 DIVIDED FLOW

JUNALUSKA CREEK		10 YEAR FLOOD			05/02/81			
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	XLN	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1837.10 MAX ELLC= 1837.70

J01

0.76	1290.	0.	1290.	0.	0.60	2	42.
1827.23	0.0	0.0	208.	0.0	0.28	0	1835.20
7.23	0.0	0.0	6.19	0.0	0.83	1827.83	1835.20
0.010672	0.052	0.055	0.055	0.055	0.23	-0.00	554.46
	1820.00	120.	120.	120.	22.	22.	598.91

*SECNO .760

0.76	1290.	0.	1290.	0.	0.54	2	44.
1827.31	0.0	0.0	219.	0.0	-0.06	0	1835.20
7.31	0.0	0.0	5.90	0.0	0.01	1827.85	1835.20
0.006268	0.052	0.065	0.055	0.065	0.02	-0.00	554.35
	1820.00	1.	1.	1.	22.	22.	598.55

*SECNO .760

3301 HV CHANGED MORE THAN HVINS

0.76	1290.	0.	1290.	0.	1.12	2	34.
1827.58	0.0	0.0	152.	0.0	0.58	0	1831.10
7.58	0.0	0.0	8.50	0.0	0.38	1828.70	1831.00
0.015873	0.052	0.065	0.055	0.065	0.47	-0.00	499.77
	1820.00	40.	40.	40.	27.	8.	534.03

CCHV= 0.100 CEHV= 0.500
*SECNO .860

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

JUNALUSKA CREEK			10 YEAR FLOOD		05/02/81			
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

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

0.86	1280.	113.	833.	334.	0.47	16	329.
1839.39	1839.39	54.	125.	165.	-0.65	11	1839.70
4.99	0.0	2.11	6.68	2.02	9.73	1839.86	1840.40
0.015035	0.052	0.080	0.055	0.075	0.06	-0.00	724.00
	1834.40	630.	630.	630.	128.	276.	1128.47

*SECNO .900

*** GR CARDS REPEATED

3265 DIVIDED FLOW

JUNALUSKA CREEK			10 YEAR FLOOD		05/02/81			
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	

K01

SLOPE	WTN ELMIN	XNL XLOBL	XNCH XLCH	XNR XLOBR	OLOSS WSDL	CORAR WSDR	SSTA ENDST	VOL
7185 MINIMUM SPECIFIC ENERGY								
3720 CRITICAL DEPTH ASSUMED								
0.90	1280.	111.	853.	316.	0.52	6	324.	
1844.55	1844.55	51.	123.	155.	0.05	5	1844.90	
4.95	0.0	2.17	6.94	2.04	3.30	1845.07	1845.60	
0.016403	0.052	0.080	0.055	0.075	0.02	-0.00	725.28	
	1839.60	210.	210.	210.	127.	273.	1125.37	24.

L01

THIS RUN EXECUTED 05/02/81 8:17:40

HEC2 RELEASE DATED NOV 76 UPDATED JULY1979
ERROR CORR - 01,02,03
MODIFICATION - 50,51,52,53,54

T1	ANDREWS NC LFS	JUNALU	645								
T2	50 YEAR FLOOD	MARCH 1981 BCH	650								
T3	JUNALUSKA CREEK	FLOOD PROFILES	655								
J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ	
	0.	3.	0.	0.	0.00520	0.	0.0	2200.	1786.00	0.0	660
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE	
	2.	0.	-1.	0.	0.	0.0	0.0	0.	0.	0.	665

*PROF 2

CCHV= 0.100 CEHV= 0.500

*SECNO .020

JUNALUSKA CREEK		50 YEAR FLOOD			05/02/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
FLEV	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
0.02	2200.	9.	2076.	114.	0.49	0	152.	
1785.91	0.0	8.	360.	55.	0.50	0	1784.90	
5.71	1786.00	1.12	5.76	2.09	0.0	1786.40	1784.30	
0.005136	0.0	0.060	0.050	0.055	0.0	-0.00	183.25	
	1780.20	0.	0.	0.	57.	95.	335.13	0.

*SECNO .020

*** GR CARDS REPEATED

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1788.10 ELREA= 1788.60

0.02	2200.	0.	2200.	0.	0.52	2	80.	
1786.14	0.0	0.	379.	0.	0.03	0	1784.90	
5.94	0.0	0.0	5.80	0.0	0.25	1786.66	1784.30	
0.004873	0.049	0.060	0.050	0.055	0.02	-0.00	200.00	
	1780.20	50.	50.	50.	40.	40.	280.00	0.

*SECNO .020

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1789.10 MAX ELLC= 1786.30

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1788.10 ELREA= 1788.60

0.02	2200.	0.	2200.	0.	0.62	2	75.	
1786.10	0.0	0.	347.	0.	0.10	0	1789.10	
5.90	0.0	0.0	6.34	0.0	0.01	1786.72	1789.60	
0.013034	0.048	0.060	0.050	0.055	0.05	-0.00	200.00	
	1780.20	1.	1.	1.	40.	40.	280.00	0.

*SECNO .020

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1789.10 MAX ELLC= 1786.30

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1789.10 ELREA= 1789.60

A02

0.02	2200.	0.	2200.	0.	0.58	2	75.	
1786.25	0.0	0.	359.	0.	-0.04	0	1789.10	
6.05	0.0	0.0	6.13	0.0	0.11	1786.83	1789.60	
0.009659	0.047	0.055	0.045	0.050	0.00	-0.00	200.00	
	1780.20	10.	10.	10.	40.	40.	280.00	1.

*SECNO .020

JUNALUSKA CREEK

50 YEAR FLOOD 05/02/81

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

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1789.10 ELREA= 1789.60

0.02	2200.	0.	2200.	0.	0.47	2	80.	
1786.38	0.0	0.	398.	0.	-0.11	0	1784.90	
6.18	0.0	0.0	5.53	0.0	0.01	1786.85	1784.30	
0.003351	0.046	0.055	0.045	0.050	0.01	-0.00	200.00	
	1780.20	1.	1.	1.	40.	40.	280.00	1.

*SECNO .020

*** GR CARDS REPEATED

0.02	2200.	28.	1983.	189.	0.32	2	181.	
1786.60	0.0	24.	416.	99.	-0.15	0	1784.90	
6.40	0.0	1.17	4.77	1.91	0.06	1786.92	1784.30	
0.002353	0.045	0.055	0.045	0.050	0.02	-0.00	171.68	
	1780.20	20.	20.	20.	68.	112.	352.48	1.

*SECNO .040

0.04	2200.	243.	1614.	343.	0.75	2	198.	
1786.85	0.0	73.	205.	112.	0.43	0	1784.50	
6.05	0.0	3.33	7.89	3.06	0.47	1787.60	1784.50	
0.007724	0.045	0.055	0.045	0.050	0.21	-0.00	53.45	
	1780.80	120.	120.	120.	72.	126.	251.73	2.

*SECNO .200

3265 DIVIDED FLOW

JUNALUSKA CREEK

50 YEAR FLOOD 05/02/81

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

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

0.20	2190.	81.	1715.	395.	0.74	3	430.	
1792.17	1792.17	33.	222.	229.	-0.01	8	1789.30	
6.57	0.0	2.42	7.74	1.72	4.80	1792.91	1791.10	

B02

0.005957	0.045	0.060	0.045	0.055	0.00	-0.00	72.80	
	1785.60	710.	710.	710.	43.	489.	604.93	9.

*SECNO .250

*** GR CARDS REPEATED

3265 DIVIDED FLOW

0.25	2190.	86.	1563.	542.	0.52	0	464.	
1793.72	0.0	39.	231.	325.	-0.22	0	1790.60	
6.82	0.0	2.17	6.76	1.67	1.31	1794.24	1792.40	
0.004289	0.045	0.060	0.045	0.055	0.02	-0.00	70.79	
	1786.90	260.	260.	260.	45.	504.	619.17	12.

*SECNO .450

3301 HV CHANGED MORE THAN HVINS

JUNALUSKA CREEK		50 YEAR FLOOD			05/02/81		TOPWID	
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	BANK ELEV	
ELEV	CRINS	ALOB	ACH	AROB	DHV	IDC	LEFT/RIGHT	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	SSTA	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	ENDST	VOL
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR		
0.45	2180.	2.	2172.	6.	1.33	3	80.	
1800.98	0.0	1.	235.	6.	0.81	0	1800.50	
6.78	0.0	1.22	9.26	1.05	7.66	1802.31	1800.50	
0.016474	0.050	0.060	0.055	0.070	0.40	-0.00	551.26	
	1794.20	1020.	1020.	1020.	31.	50.	631.53	22.

*SECNO .490

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

0.49	2180.	74.	1986.	120.	0.63	2	258.	
1803.65	0.0	55.	298.	78.	-0.70	0	1801.90	
8.05	0.0	1.35	6.66	1.53	1.90	1804.28	1801.90	
0.006197	0.050	0.060	0.055	0.070	0.07	-0.00	438.57	
	1795.60	200.	200.	200.	143.	115.	696.60	24.

*SECNO .570

3301 HV CHANGED MORE THAN HVINS

JUNALUSKA CREEK		50 YEAR FLOOD			05/02/81		TOPWID	
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	BANK ELEV	
ELEV	CRINS	ALOB	ACH	AROB	DHV	IDC	LEFT/RIGHT	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	SSTA	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	ENDST	VOL
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR		

7185 MINIMUM SPECIFIC ENERGY

C02

3720 CRITICAL DEPTH ASSUMED

0.57	2180.	0.	2180.	0.	2.48	2	39.
1809.75	1809.75	0.	173.	0.	1.85	17	1809.70
6.55	0.0	0.05	12.64	0.68	6.52	1812.23	1809.60
0.033134	0.051	0.060	0.055	0.070	0.92	0.0	443.83
	1803.20	540.	540.	540.	19.	20.	482.67
							27.

*SECNO .720

3301 HV CHANGED MORE THAN HVINS

0.72	2170.	212.	1896.	62.	1.22	9	135.
1823.57	1823.18	77.	201.	29.	-1.25	14	1821.30
9.27	0.0	2.74	9.45	2.14	12.45	1824.80	1822.00
0.012135	0.052	0.065	0.055	0.065	0.13	-0.00	131.87
	1814.30	660.	660.	660.	83.	52.	266.97
							31.

*SECNO .720

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1822.60 ELREA= 1825.00

0.72	2170.	466.	1704.	0.	0.68	2	113.
1824.67	0.0	163.	234.	0.	-0.55	0	1821.30
10.37	0.0	2.86	7.29	0.0	0.49	1825.35	1822.00
0.005895	0.052	0.065	0.055	0.065	0.05	-0.00	116.90
	1814.30	60.	60.	60.	98.	15.	230.00
							32.

SPECIAL BRIDGE

SB	HK	XKOR	COFq	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	15.00	0.01	140.00	0.82
	ELCHU	ELCHD						
	1817.40	1817.40						

*SECNO .720

*** GR CARDS REPEATED

JUNALUSKA CREEK			50 YEAR FLOOD		05/02/81		
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	XLROB	WSDL	WSDR	ENDST
							VOL

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
1830.64	1825.35	0.00	880.	1300.	140.	125.	1823.60
ELTRD							
1823.80							

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1823.80 ELREA= 1826.80

0.72	2170.	793.	1377.	0.	0.25	5	130.	
1826.56	0.0	336.	290.	0.	-0.42	0	1821.30	
12.26	0.0	2.36	4.74	0.0	1.47	1826.81	1822.00	
0.001870	0.052	0.065	0.055	0.065	0.0	-0.00	99.77	
	1814.30	15.	15.	15.	115.	15.	230.00	32.

*SECNO .720

0.72	2170.	597.	1289.	284.	0.24	2	215.	
1826.65	0.0	267.	269.	175.	-0.02	0	1822.10	
11.55	0.0	2.23	4.79	1.62	0.08	1826.89	1822.80	
0.002107	0.052	0.065	0.055	0.065	0.00	-0.00	105.98	
	1815.10	40.	40.	40.	109.	106.	320.68	32.

CCHV= 0.300 CEHV= 0.800

*SECNO .740

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

0.74	2170.	243.	1856.	71.	1.16	4	135.	
1826.76	1826.40	77.	200.	29.	0.92	15	1824.50	
9.26	0.0	3.17	9.27	2.47	0.29	1827.92	1825.20	
0.011696	0.052	0.055	0.055	0.055	0.74	-0.00	132.19	
	1817.50	70.	70.	70.	83.	52.	266.71	33.

*SECNO .740

3301 HV CHANGED MORE THAN HVINS

0.74	2170.	0.	2170.	0.	0.50	3	59.	
1828.00	0.0	0.	382.	0.	-0.66	0	1832.70	
10.50	0.0	0.0	5.69	0.0	0.39	1828.51	1832.70	
0.004092	0.052	0.055	0.055	0.055	0.20	-0.00	547.75	
	1817.50	60.	60.	60.	29.	30.	606.68	34.

*SECNO .740

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1837.10 MAX ELLC= 1835.20

0.74	2170.	0.	2170.	0.	0.54	0	57.	
1828.00	0.0	0.	369.	0.	0.03	0	1832.70	
10.50	0.0	0.0	5.88	0.0	0.01	1828.54	1832.70	
0.007429	0.052	0.055	0.055	0.055	0.03	-0.00	547.73	
	1817.50	1.	1.	1.	29.	30.	606.71	34.

*SECNO .760

*** GR CARDS REPEATED

3265 DIVIDED FLOW

JUNALUSKA CREEK		50 YEAR FLOOD			05/02/81		TOPWID		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	BANK	ELEV	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	LEFT	RIGHT	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	SSTA		
SLOPE	WTN	XNL	XNCK	XNR	OLOSS	CORAR	ENDST		VOL
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR			

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1837.10 MAX ELLC= 1837.70

0.76	2170.	0.	2170.	0.	0.85	2	50.		
1829.09	0.0	0.	294.	0.	0.31	0	1835.20		
9.09	0.0	0.0	7.39	0.0	1.15	1829.94	1835.20		
0.012933	0.052	0.055	0.055	0.055	0.25	-0.00	551.11		
	1820.00	120.	120.	120.	25.	27.	603.01		35.

*SECNO .760

0.76	2170.	0.	2170.	0.	0.76	2	52.		
1829.22	0.0	0.	310.	0.	-0.09	0	1835.20		
9.22	0.0	0.0	7.00	0.0	0.01	1829.98	1835.20		
0.006973	0.052	0.065	0.055	0.065	0.03	-0.00	550.82		
	1820.00	1.	1.	1.	26.	27.	603.12		35.

*SECNO .760

3301 HV CHANGED MORE THAN HVINS

0.76	2170.	0.	2170.	0.	1.33	2	50.		
1829.52	0.0	0.	234.	0.	0.57	0	1831.10		
9.52	0.0	0.0	9.27	0.0	0.42	1830.85	1831.00		
0.017258	0.052	0.065	0.055	0.065	0.46	-0.00	497.14		
	1820.00	40.	40.	40.	29.	21.	547.63		35.

CCHV= 0.100 CEHV= 0.500

*SECNO .860

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

0.86	2160.	245.	1035.	880.	0.41	11	411.		
1840.03	1839.75	106.	151.	317.	-0.93	14	1839.70		
5.63	0.0	2.30	6.85	2.78	9.49	1840.43	1840.40		
0.013250	0.052	0.080	0.055	0.075	0.09	-0.00	705.91		
	1834.40	630.	630.	630.	147.	285.	1137.47		41.

*SECNO .900

*** GR CARDS REPEATED

3265 DIVIDED FLOW

JUNALUSKA CREEK		50 YEAR FLOOD			05/02/81		TOPWID		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	BANK	ELEV	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	LEFT	RIGHT	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	SSTA		
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	ENDST		VOL
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR			

7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

0.90	2160.	228.	1126.	806.	0.57	6	377.		
1845.03	1845.03	84.	143.	269.	0.16	10	1844.90		
5.43	0.0	2.69	7.89	2.99	3.28	1845.60	1845.60		
0.018738	0.052	0.080	0.055	0.075	0.08	-0.00	711.49		
	1839.60	210.	210.	210.	141.	284.	1136.92		43.

THIS RUN EXECUTED 05/02/81 8:17:41

HEC2 RELEASE DATED NOV 76 UPDATED JULY1979
ERROR CORR - 01,02,03
MODIFICATION - 50,51,52,53,54

T1	ANDREWS NC LFS	JUNALU	670
T2	100 YEAR FLOOD	MARCH 1981 BCH	675
T3	JUNALUSKA CREEK	FLOOD PROFILES	680

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ	
	0.	4.	0.	0.	0.00520	0.	0.0	2700.	1786.00	0.0	685

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE	
	3.	0.	-1.	0.	0.	0.0	0.0	0.	0.	0.	690

H02

*PROF 3

CCHV= 0.100 CEHV= 0.500

*SECNO .020

JUNALUSKA CREEK		100 YEAR FLOOD			05/02/81			
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
0.02	2700.	26.	2472.	202.	0.56	0	171.	
1786.36	0.0	18.	397.	83.	0.50	0	1784.90	
6.16	1786.00	1.46	6.22	2.44	0.0	1786.92	1784.30	
0.005268	0.0	0.060	0.050	0.055	0.0	-0.00	175.60	
	1780.20	0.	0.	0.	64.	107.	346.60	0.

*SECNO .020

*** GR CARDS REPEATED

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 1788.10 ELREA= 1788.60

0.02	2700.	0.	2700.	0.	0.66	2	80.	
1786.58	0.0	0.	414.	0.	0.10	0	1784.90	
6.38	0.0	0.0	6.51	0.0	0.27	1787.24	1784.30	
0.005450	0.049	0.060	0.050	0.055	0.05	-0.00	200.00	
	1780.20	50.	50.	50.	40.	40.	280.00	1.

*SECNO .020

3265 DIVIDED FLOW

3370 NORMAL BRIDGE,NRD= 4 MIN ELTRD= 1789.10 MAX ELLC= 1786.30

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 1788.10 ELREA= 1788.60

0.02	2700.	0.	2700.	0.	0.86	2	75.	
1786.49	0.0	0.	362.	0.	0.20	0	1789.10	
6.29	0.0	0.0	7.45	0.0	0.01	1787.35	1789.60	
0.031084	0.048	0.060	0.050	0.055	0.10	-14.30	200.00	
	1780.20	1.	1.	1.	40.	40.	280.00	1.

*SECNO .020

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE,NRD= 4 MIN ELTRD= 1789.10 MAX ELLC= 1786.30

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 1789.10 ELREA= 1789.60

0.02	2700.	0.	2700.	0.	0.86	2	75.
1786.77	0.0	0.	362.	0.	0.00	0	1789.10
6.57	0.0	0.0	7.45	0.0	0.28	1787.63	1789.60
0.025178	0.047	0.055	0.045	0.050	0.00	-35.21	200.00
	1780.20	10.	10.	10.	40.	40.	280.00

*SECNO .020

JUNALUSKA CREEK

100 YEAR FLOOD

05/02/81

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

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1789.10 ELREA= 1789.60

0.02	2700.	0.	2700.	0.	0.54	2	80.
1787.13	0.0	0.	459.	0.	-0.32	0	1784.90
6.93	0.0	0.0	5.88	0.0	0.01	1787.67	1784.30
0.003142	0.046	0.055	0.045	0.050	0.03	-0.00	200.00
	1780.20	1.	1.	1.	40.	40.	280.00

*SECNO .020

*** GR CARDS REPEATED

0.02	2700.	80.	2275.	345.	0.30	2	211.
1787.44	0.0	53.	483.	169.	-0.24	0	1784.90
7.24	0.0	1.51	4.71	2.04	0.05	1787.74	1784.30
0.001877	0.045	0.055	0.045	0.050	0.02	-0.00	162.34
	1780.20	20.	20.	20.	78.	134.	373.56

*SECNO .040

0.04	2700.	380.	1658.	662.	0.51	2	268.
1787.68	0.0	116.	242.	224.	0.21	0	1784.50
6.88	0.0	3.27	6.86	2.96	0.34	1788.18	1784.50
0.004686	0.045	0.055	0.045	0.050	0.10	-0.00	47.52
	1780.80	120.	120.	120.	78.	190.	315.49

*SECNO .200

3265 DIVIDED FLOW

JUNALUSKA CREEK

100 YEAR FLOOD

05/02/81

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

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

0.20	2690.	106.	1888.	697.	0.74	4	470.
1792.47	1792.47	40.	233.	342.	0.23	5	1789.30
6.87	0.0	2.62	8.10	2.03	3.78	1793.20	1791.10

J02

0.006110	0.045	0.060	0.045	0.055	0.12	-0.00	70.45	
	1785.60	710.	710.	710.	45.	506.	621.63	12.

*SECNO .250

*** GR CARDS REPEATED

3265 DIVIDED FLOW

0.25	2690.	110.	1691.	889.	0.49	1	503.	
1794.04	0.0	48.	244.	461.	-0.24	0	1790.60	
7.14	0.0	2.30	6.93	1.93	1.31	1794.53	1792.40	
0.004206	0.045	0.060	0.045	0.055	0.02	-0.00	68.17	
	1786.90	260.	260.	260.	47.	520.	635.16	17.

*SECNO .450

3301 HV CHANGED MORE THAN HVINS

JUNALUSKA CREEK			100 YEAR FLOOD		05/02/81		TOPWID	
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	IDC	BANK ELEV
ELEV	CRWS	ALOB	ACH	AROB	DHV	EG	LEFT/RIGHT	
DEPTH	WSELK	VLOB	VCH	VROB	HL	CORAR	SSTA	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	WSDR	ENDST	VOL
	ELMIN	XLOBL	XLCH	XLOBR	WSDL			
0.45	2680.	8.	2641.	31.	1.66	4	104.	
1801.36	1800.85	4.	253.	19.	1.17	9	1800.50	
7.16	0.0	1.92	10.42	1.65	7.90	1803.02	1800.50	
0.018822	0.050	0.060	0.055	0.070	0.59	-0.00	546.74	
	1794.20	1020.	1020.	1020.	35.	69.	650.82	29.

*SECNO .490

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

0.49	2670.	284.	2120.	265.	0.51	2	491.	
1804.34	0.0	152.	333.	162.	-1.15	0	1801.90	
8.74	0.0	1.87	6.37	1.64	1.72	1804.85	1801.90	
0.004880	0.050	0.060	0.055	0.070	0.12	-0.00	414.17	
	1795.60	200.	200.	200.	168.	323.	905.14	31.

*SECNO .570

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

JUNALUSKA CREEK			100 YEAR FLOOD		05/02/81		TOPWID	
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	IDC	BANK ELEV
ELEV	CRWS	ALOB	ACH	AROB	DHV	EG	LEFT/RIGHT	
DEPTH	WSELK	VLOB	VCH	VROB	HL	CORAR	SSTA	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS			

K02

ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
3685 20 TRIALS ATTEMPTED WSEL,CWSEL							
3693 PROBABLE MINIMUM SPECIFIC ENERGY							
3720 CRITICAL DEPTH ASSUMED							
0.57	2670.	52.	2586.	33.	2.01	20	95.
1811.13	1811.13	22.	224.	13.	1.50	11	1809.70
7.93	0.0	2.36	11.56	2.48	4.69	1813.14	1809.60
0.019617	0.051	0.060	0.055	0.070	0.75	-0.00	288.41
	1803.20	540.	540.	540.	174.	36.	498.29

*SECNO .720

3301 HV CHANGED MORE THAN HVINS

JUNALUSKA CREEK		100 YEAR FLOOD			05/02/81			
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

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

0.72	2660.	402.	2118.	140.	1.20	4	159.	
1824.15	1824.15	121.	218.	54.	-0.81	9	1821.30	
9.85	0.0	3.34	9.72	2.57	9.74	1825.35	1822.00	
0.011486	0.052	0.065	0.055	0.065	0.08	-0.00	121.76	
	1814.30	660.	660.	660.	93.	66.	280.58	41.

*SECNO .720

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

0.72	2660.	652.	1725.	283.	0.51	6	197.	
1825.32	0.0	219.	253.	130.	-0.69	0	1821.30	
11.02	0.0	2.98	6.81	2.18	0.42	1825.83	1822.00	
0.004625	0.052	0.065	0.055	0.065	0.07	-0.00	110.90	
	1814.30	60.	60.	60.	104.	93.	308.19	42.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	15.00	0.01	140.00	0.82
	ELCHU	ELCHD						
	1817.40	1817.40						

*SECNO .720

*** GR CARDS REPEATED

JUNALUSKA CREEK		100 YEAR FLOOD			05/02/81			
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	

L02

SLOPE	WTN ELMIN	XNL XLOBL	XNCH XLCH	XNR XLOBR	OLOSS WSDL	CORAR WSDR	SSTA ENDST	VOL
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PRESSURE AND WEIR FLOW

EGPRS 1834.29	EGLWC 1825.83	H3 0.00	QWEIR 1432.	QPR 1253.	BAREA 140.	TAREA 125.	ELLC 1823.60	
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ELTRD 1823.80								
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0.72	2660.	870.	1294.	496.	0.17	2	261.	
1827.15	0.0	396.	308.	312.	-0.34	0	1821.30	
12.85	0.0	2.20	4.20	1.59	1.48	1827.31	1822.00	
0.001355	0.052	0.065	0.055	0.065	0.0	-0.00	97.40	
	1814.30	15.	15.	15.	118.	143.	358.40	42.

*SECNO .720

0.72	2660.	795.	1456.	409.	0.26	2	232.	
1827.17	0.0	317.	285.	225.	0.09	0	1822.10	
12.07	0.0	2.51	5.12	1.82	0.07	1827.43	1822.80	
0.002231	0.052	0.065	0.055	0.065	0.05	-0.00	101.19	
	1815.10	40.	40.	40.	114.	118.	332.85	43.

CCHV= 0.300 CEHV= 0.800

*SECNO .740

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

0.74	2660.	443.	2064.	152.	1.14	0	157.	
1827.29	0.0	116.	216.	52.	0.88	0	1824.50	
9.79	0.0	3.81	9.54	2.95	0.30	1828.43	1825.20	
0.011181	0.052	0.055	0.055	0.055	0.71	-0.00	122.25	
	1817.50	70.	70.	70.	93.	64.	279.33	44.

*SECNO .740

0.74	2660.	0.	2660.	0.	0.68	3	61.	
1828.34	0.0	0.	402.	0.	-0.46	0	1832.70	
10.84	0.0	0.0	6.62	0.0	0.45	1829.02	1832.70	
0.005395	0.052	0.055	0.055	0.055	0.14	-0.00	546.94	
	1817.50	60.	60.	60.	30.	31.	607.81	45.

*SECNO .740

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1837.10 MAX ELLC= 1835.20

0.74	2660.	0.	2660.	0.	0.73	1	59.	
1828.34	0.0	0.	389.	0.	0.05	0	1832.70	
10.84	0.0	0.0	6.84	0.0	0.01	1829.07	1832.70	
0.009874	0.052	0.055	0.055	0.055	0.04	-0.00	546.94	

1817.50 1. 1. 1. 30. 31. 607.82 45.

*SECNO .760

*** GR CARDS REPEATED

3265 DIVIDED FLOW

JUNALUSKA CREEK		100 YEAR FLOOD		05/02/81		TRIAL		TOPMID		BANK ELEV	
Q	ALOB	GCH	AROB	HV	IDC	EG	LEFT/RIGHT	SSTA	ENDST	VOL	
CRINS	VLOB	ACH	VROB	DHV	HI	CORAR					
WSELK	XLOB	VCH	XNR	OLOSS	MSDR						
WLN	XNL	XNCH	XLOBR	MSDL							
ELMTN	XLOBL	XLCH									

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1837.10 MAX ELLC= 1837.70

0.76	2660.	0.	2660.	0.	1.03	2	1835.20	53.		
1829.73	0.0	0.	326.	0.31	1830.76	0	1835.20			
9.73	0.0	0.0	8.15	1.45	-0.00	28.	549.60			
0.015039	0.052	0.055	0.055	0.24	27.		604.40			46.
	1820.00	120.	120.							

*SECNO .760

0.76	2660.	0.	2660.	0.	0.92	2	1835.20	56.		
1829.89	0.0	0.	346.	-0.12	1830.80	0	1835.20			
9.89	0.0	0.0	7.68	0.01	-0.00	28.	549.21			
0.007846	0.052	0.065	0.055	0.04	27.		604.74			46.
	1820.00	1.	1.							

*SECNO .760

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

0.76	2660.	1.	2659.	0.	1.48	2	1831.10	66.		
1830.23	0.0	1.	272.	0.57	1831.71	0	1831.10			
10.23	0.0	0.73	9.77	0.46	-0.00	26.	457.68			
0.018067	0.052	0.065	0.055	0.45	26.		552.62			46.
	1820.00	40.	40.							

CCHV= 0.100 CEHV= 0.500
*SECNO .860

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

0.86	2650.	348.	1108.	1194.	0.36	2	1839.70	426.		
1840.36	0.0	151.	166.	402.	-1.12	0	1840.40			
5.96	0.0	2.30	6.68	2.97	8.90		696.07			
0.011347	0.052	0.080	0.055	0.075	0.11					

1834.40 630. 630. 630. 156. 286. 1138.43 53.

*SECNO .900

*** GR CARDS REPEATED

3265 DIVIDED FLOW

JUNALUSKA CREEK		100 YEAR FLOOD			05/02/81			
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

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

0.90	2650.	300.	1271.	1079.	0.62	20	411.	
1845.22	1845.22	106.	151.	317.	0.25	10	1844.90	
5.62	0.0	2.83	8.42	3.41	3.10	1845.84	1845.60	
0.020008	0.052	0.080	0.055	0.075	0.13	-0.00	705.96	
	1839.60	210.	210.	210.	147.	285.	1137.46	56.

THIS RUN EXECUTED J5/02/81 8:17:42

HEC2 RELEASE DATED NOV 76 UPDATED JULY1979
ERROR CORR - 01,02,03
MODIFICATION - 50,51,52,53,54

T1	ANDREWS NC LFS	JUNALU	695
T2	500 YEAR FLOOD	MARCH 1981 BCH	700
T3	JUNALUSKA CREEK	FLOOD PROFILES	705

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ	
	0.	5.	0.	0.	0.00520	0.	0.0	3940.	1787.00	0.0	710
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE	
	4.	0.	-1.	0.	0.	0.0	0.0	0.	0.	0.	715

*PROF 4

CCHV= 0.100 CEHV= 0.500

*SECNO .020

JUNALUSKA CREEK			500 YEAR FLOOD		05/02/81			
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
0.02	3940.	110.	3340.	490.	0.67	0	208.	
1787.35	0.0	49.	476.	161.	0.50	0	1784.90	
7.15	1787.00	2.23	7.01	3.05	0.0	1788.02	1784.30	
0.005250	0.0	0.060	0.050	0.055	0.0	-0.00	162.89	
	1780.20	0.	0.	0.	77.	131.	371.31	0.

*SECNO .020

*** GR CARDS REPEATED

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 1788.10 ELREA= 1788.60

0.02	3940.	0.	3940.	0.	1.02	2	80.	
1787.47	0.0	0.	486.	0.	0.35	0	1784.90	
7.27	0.0	0.0	8.11	0.0	0.30	1788.49	1784.30	
0.006832	0.049	0.060	0.050	0.055	0.18	-0.00	200.00	
	1780.20	50.	50.	50.	40.	40.	280.00	1.

*SECNO .020

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE,NRD= 4 MIN ELTRD= 1789.10 MAX ELLC= 1786.30

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 1788.10 ELREA= 1788.60

0.02	3940.	0.	3940.	0.	1.83	2	80.	
1787.08	0.0	0.	362.	0.	0.81	0	1789.10	
6.88	0.0	0.0	10.87	0.0	0.02	1788.92	1789.60	
0.066192	0.048	0.060	0.050	0.055	0.41	-59.07	200.00	
	1780.20	1.	1.	1.	40.	40.	280.00	1.

*SECNO .020

*** GR CARDS REPEATED

3370 NORMAL BRIDGE,NRD= 4 MIN ELTRD= 1789.10 MAX ELLC= 1786.30

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 1789.10 ELREA= 1789.60

0.02	3940.	0.	3940.	0.	1.83	2	80.	
1787.68	0.0	0.	362.	0.	-0.00	0	1789.10	

D03

7.48	0.0	0.0	10.87	0.0	0.59	1789.51	1789.60	
0.053615	0.047	0.055	0.045	0.050	0.00	-106.59	200.00	
	1780.20	10.	10.	10.	40.	40.	280.00	1.

*SECNO .020

3301 HV CHANGED MORE THAN HVINS

JUNALUSKA CREEK			500 YEAR FLOOD		05/02/81			
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	LOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1789.10 ELREA= 1789.60

0.02	3940.	0.	3940.	0.	0.66	3	80.	
1788.98	0.0	0.	606.	0.	-1.18	0	1784.90	
8.78	0.0	0.0	6.50	0.0	0.01	1789.64	1784.30	
0.002647	0.046	0.055	0.045	0.050	0.12	-0.00	200.00	
	1780.20	1.	1.	1.	40.	40.	280.00	1.

*SECNO .020

*** GR CARDS REPEATED

0.02	3940.	268.	2732.	940.	0.21	2	451.	
1789.50	0.0	143.	648.	503.	-0.45	0	1784.90	
9.30	0.0	1.87	4.21	1.87	0.03	1789.71	1784.30	
0.001018	0.045	0.055	0.045	0.050	0.04	-0.00	149.97	
	1780.20	20.	20.	20.	90.	361.	600.71	1.

*SECNO .040

0.04	3940.	650.	1653.	1637.	0.22	2	435.	
1789.65	0.0	240.	330.	705.	0.01	0	1784.50	
8.85	0.0	2.71	5.00	2.32	0.15	1789.87	1784.50	
0.001641	0.045	0.055	0.045	0.050	0.00	-0.00	33.32	
	1780.80	120.	120.	120.	92.	343.	468.40	5.

*SECNO .200

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

JUNALUSKA CREEK			500 YEAR FLOOD		05/02/81			
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	LOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

3685 20 TRIALS ATTEMPTED WSEL CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY

E03

3720 CRITICAL DEPTH ASSUMED

0.20	3920.	165.	2221.	1534.	0.72	20	522.	
1793.02	1793.02	56.	254.	580.	0.50	10	1789.30	
7.42	0.0	2.96	8.73	2.64	2.04	1793.74	1791.10	
0.006309	0.045	0.060	0.045	0.055	0.25	-0.00	66.01	
	1785.60	710.	710.	710.	49.	521.	636.05	22.

*SECNO .250

*** GR CARDS REPEATED

3265 DIVIDED FLOW

0.25	3920.	169.	1986.	1766.	0.48	2	544.	
1794.62	0.0	65.	266.	722.	-0.24	0	1790.60	
7.72	0.0	2.58	7.46	2.45	1.35	1795.10	1792.40	
0.004327	0.045	0.060	0.045	0.055	0.02	-0.00	63.54	
	1786.90	260.	260.	260.	52.	522.	637.07	28.

*SECNO .450

JUNALUSKA CREEK		500 YEAR FLOOD			05/02/81			
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

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

0.45	3910.	472.	2987.	451.	0.94	4	492.	
1803.09	1803.09	172.	340.	204.	0.45	14	1800.50	
8.89	0.0	2.74	8.78	2.21	6.16	1804.03	1800.50	
0.009025	0.050	0.060	0.055	0.070	0.23	0.0	413.44	
	1794.20	1020.	1020.	1020.	169.	324.	905.54	49.

*SECNO .490

*** GR CARDS REPEATED

0.49	3880.	604.	2631.	645.	0.59	0	495.	
1804.90	0.0	231.	360.	325.	-0.35	0	1801.90	
9.30	0.0	2.62	7.30	1.98	1.43	1805.49	1801.90	
0.005776	0.050	0.060	0.055	0.070	0.03	-0.00	411.35	
	1795.60	200.	200.	200.	171.	325.	906.70	53.

*SECNO .570

JUNALUSKA CREEK		500 YEAR FLOOD			05/02/81			
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

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

3693 PROBABLE MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

0.57	3880.	657.	2819.	404.	1.07	20	380.	
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F03

1813.03	1813.03	208.	294.	167.	0.49	8	1809.70	
9.83	0.0	3.16	9.59	2.42	3.92	1814.10	1809.60	
0.009390	0.051	0.060	0.055	0.070	0.24	-0.00	270.75	
	1803.20	540.	540.	540.	192.	189.	651.07	62.

*SECNO .720

JUNALUSKA CREEK		500 YEAR FLOOD		05/02/81				
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	XL0BL	XLCH	XL0BR	WSDL	WSDR	ENDST	VOL

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

0.72	3880.	829.	2720.	331.	1.49	10	182.	
1824.87	1824.87	179.	240.	97.	0.41	8	1821.30	
10.57	0.0	4.62	11.35	3.42	7.45	1826.36	1822.00	
0.013814	0.052	0.065	0.055	0.065	0.21	-0.00	115.08	
	1814.30	660.	660.	660.	100.	83.	297.55	71.

*SECNO .720

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

0.72	3880.	1156.	2132.	592.	0.56	3	231.	
1826.35	0.0	315.	284.	222.	-0.93	0	1821.30	
12.05	0.0	3.67	7.51	2.66	0.46	1826.91	1822.00	
0.004827	0.052	0.065	0.055	0.065	0.09	-0.00	101.43	
	1814.30	60.	60.	60.	114.	117.	332.26	72.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	15.00	0.01	140.00	0.82
	ELCHU	ELCHD						
	1817.40	1817.40						

*SECNO .720

*** GR CARDS REPEATED

JUNALUSKA CREEK		500 YEAR FLOOD		05/02/81				
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	XL0BL	XLCH	XL0BR	WSDL	WSDR	ENDST	VOL

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
1845.43	1826.91	0.00	2732.	1179.	140.	125.	1823.60
ELTRD							

1823.80

0.72	3880.	1315.	1672.	892.	0.23	2	359.	
1827.88	0.0	472.	330.	445.	-0.33	0	1821.30	
13.58	0.0	2.79	5.07	2.01	1.20	1828.11	1822.00	
0.001798	0.052	0.065	0.055	0.065	0.0	-0.00	94.47	
	1814.30	15.	15.	15.	121.	239.	453.74	73.

*SECNO .720

0.72	3880.	1265.	1901.	714.	0.36	2	254.	
1827.91	0.0	391.	307.	307.	0.13	0	1822.10	
12.81	0.0	3.23	6.20	2.33	0.09	1828.27	1822.80	
0.002966	0.052	0.065	0.055	0.065	0.07	-0.00	97.57	
	1815.10	40.	40.	40.	117.	136.	351.12	74.

CCHV= 0.300 CEHV= 0.800

*SECNO .740

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

0.74	3880.	933.	2574.	374.	1.31	1	183.	
1828.09	0.0	180.	240.	98.	0.95	0	1824.50	
10.59	0.0	5.17	10.73	3.82	0.37	1829.40	1825.20	
0.012317	0.052	0.055	0.055	0.055	0.76	-0.00	114.98	
	1817.50	70.	70.	70.	100.	83.	297.81	75.

*SECNO .740

0.74	3880.	0.	3880.	0.	1.27	3	63.	
1828.80	0.0	0.	430.	0.	-0.04	0	1832.70	
11.30	0.0	0.0	9.03	0.0	0.65	1830.06	1832.70	
0.009681	0.052	0.055	0.055	0.055	0.01	-0.00	545.87	
	1817.50	60.	60.	60.	31.	33.	609.31	76.

*SECNO .740

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1837.10 MAX ELLC= 1835.20

0.74	3880.	0.	3880.	0.	1.35	1	61.	
1828.79	0.0	0.	416.	0.	0.09	0	1832.70	
11.29	0.0	0.0	9.33	0.0	0.01	1830.14	1832.70	
0.017820	0.052	0.055	0.055	0.055	0.07	-0.00	545.85	
	1817.50	1.	1.	1.	31.	33.	609.34	76.

*SECNO .760

*** GR CARDS REPEATED

3265 DIVIDED FLOW

H03

JUNALUSKA CREEK		500 YEAR FLOOD			05/02/81			
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

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1837.10 MAX ELLC= 1837.70

0.76	3880.	0.	3880.	0.	1.47	2	60.	
1831.02	0.0	0.	399.	0.	0.12	0	1835.20	
11.02	0.0	0.0	9.73	0.0	2.25	1832.49	1835.20	
0.019735	0.052	0.055	0.055	0.055	0.10	-0.00	546.53	
	1820.00	120.	120.	120.	30.	32.	608.39	77.

*SECNO .760

0.76	3880.	0.	3880.	0.	1.26	2	64.	
1831.31	0.0	0.	431.	0.	-0.21	0	1835.20	
11.31	0.0	0.0	9.00	0.0	0.01	1832.56	1835.20	
0.009620	0.052	0.065	0.055	0.065	0.06	-0.00	545.83	
	1820.00	1.	1.	1.	31.	33.	609.37	77.

*SECNO .760

0.76	3880.	168.	3680.	31.	1.51	4	175.	
1831.73	1831.30	56.	364.	22.	0.25	5	1831.10	
11.73	0.0	2.98	10.10	1.44	0.48	1833.24	1831.00	
0.015111	0.052	0.065	0.055	0.065	0.20	-0.00	442.68	
	1820.00	40.	40.	40.	84.	91.	617.56	77.

CCHV= 0.100 CEHV= 0.500

*SECNO .860

3301 HV CHANGED MORE THAN HVINS

0.86	3870.	608.	1353.	1908.	0.38	5	460.	
1840.94	0.0	232.	190.	552.	-1.13	0	1839.70	
6.54	0.0	2.62	7.12	3.46	7.96	1841.32	1840.40	
0.010728	0.052	0.080	0.055	0.075	0.11	-0.00	679.92	
	1834.40	630.	630.	630.	173.	288.	1140.01	87.

*SECNO .900

*** GR CARDS REPEATED

3265 DIVIDED FLOW

JUNALUSKA CREEK		500 YEAR FLOOD			05/02/81			
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

3685 20 TRIALS ATTEMPTED WSEL, CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

0.90	3870.	498.	1648.	1724.	0.83	20	424.
1845.52	1845.52	145.	164.	390.	0.45	9	1844.90
5.92	0.0	3.45	10.07	4.42	3.35	1846.35	1845.60
0.026111	0.052	0.080	0.055	0.075	0.22	-0.00	697.47
	1839.60	210.	210.	210.	155.	286.	1138.29
							91.

THIS RUN EXECUTED 05/02/81 8:17:44

HEC2 RELEASE DATED NOV 76 UPDATED JULY1979
ERROR CORR - 01,02,03
MODIFICATION - 50,51,52,53,54

T1	ANDREWS NC LFS	JUNALU	720
T2	MAX PROB FLOOD	MARCH 1981 BCH	725
T3	JUNALUSKA CREEK	FLOOD PROFILES	730

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ	
	0.	6.	0.	0.	0.00520	0.	0.0	10500.	1790.00	0.0	735

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE	
	15.	0.	-1.	0.	0.	0.0	0.0	0.	0.	0.	740

K03

*PROF 5

CCHV= 0.100 CEHV= 0.500

*SECNO .020

JUNALUSKA CREEK		MAX PROB FLOOD			05/02/81		TOPWID		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	BANK ELEV		
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC			
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
0.02	10500.	806.	6506.	3188.	0.90	0	885.		
1790.25	0.0	183.	708.	873.	0.50	0	1784.90		
10.05	1790.00	4.39	9.19	3.65	0.0	1791.15	1784.30		
0.005303	0.0	0.060	0.050	0.055	0.0	-0.00	142.62		
	1780.20	0.	0.	0.	97.	788.	1027.72		0.

*SECNO .020

*** GR CARDS REPEATED

0.02	10500.	821.	5793.	3885.	0.57	3	952.		
1790.82	0.0	217.	753.	1313.	-0.32	0	1784.90		
10.62	0.0	3.78	7.69	2.96	0.21	1791.39	1784.30		
0.003421	0.049	0.060	0.050	0.055	0.03	-0.00	137.10		
	1780.20	50.	50.	50.	103.	849.	1089.31		2.

*SECNO .020

3301 HV CHANGED MORE THAN HVINS

JUNALUSKA CREEK		MAX PROB FLOOD			05/02/81		TOPWID		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	BANK ELEV		
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC			
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

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1789.10 MAX ELLC= 1786.30

3685 20 TRIALS ATTEMPTED WSEL, CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

0.02	10500.	2229.	6133.	2138.	1.47	20	411.		
1792.43	1792.43	210.	609.	286.	0.89	12	1789.10		
12.23	0.0	10.61	10.08	7.46	0.01	1793.89	1789.60		
0.043552	0.048	0.060	0.050	0.055	0.45	-240.50	121.37		
	1780.20	1.	1.	1.	119.	292.	532.33		2.

*SECNO .020

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

L03

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1789.10 MAX ELLC= 1786.30

0.02	10500.	2268.	4682.	3549.	0.65	4	581.	
1793.54	0.0	304.	698.	656.	-0.82	0	1789.10	
13.34	0.0	7.47	6.71	5.41	0.22	1794.19	1789.60	
0.013042	0.047	0.055	0.045	0.050	0.08	-240.50	110.48	
	1780.20	10.	10.	10.	130.	451.	691.40	3.

*SECNO .020

3301 HV CHANGED MORE THAN HVINS

JUNALUSKA CREEK			MAX PROB FLOOD			05/02/81		
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	WYN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
0.02	10500.	764.	3128.	6608.	0.07	2	1372.	
1794.19	0.0	486.	1023.	4662.	-0.59	0	1784.90	
13.99	0.0	1.57	3.06	1.42	0.00	1794.25	1784.30	
0.000291	0.046	0.055	0.045	0.050	0.06	-0.00	84.69	
	1780.20	1.	1.	1.	155.	1217.	1457.13	3.

*SECNO .020

*** GR CARDS REPEATED

0.02	10500.	764.	3127.	6609.	0.07	2	1374.	
1794.19	0.0	486.	1023.	4666.	-0.00	0	1784.90	
13.99	0.0	1.57	3.05	1.42	0.01	1794.26	1784.30	
0.000291	0.045	0.055	0.045	0.050	0.00	-0.00	83.91	
	1780.20	20.	20.	20.	156.	1218.	1457.51	6.

*SECNO .040

0.04	10500.	1451.	2037.	7012.	0.10	0	929.	
1794.22	0.0	640.	536.	3445.	0.03	0	1784.50	
13.42	0.0	2.27	3.80	2.04	0.04	1794.32	1784.50	
0.000496	0.045	0.055	0.045	0.050	0.02	-0.00	0.0	
	1780.80	120.	120.	120.	126.	804.	929.47	20.

*SECNO .200

3301 HV CHANGED MORE THAN HVINS

0.20	10500.	479.	3440.	6580.	0.79	2	590.	
1794.75	0.0	120.	322.	1439.	0.70	0	1789.30	
9.15	0.0	3.99	10.68	4.57	0.87	1795.54	1791.10	
0.006876	0.045	0.060	0.045	0.055	0.35	-0.00	51.96	
	1785.60	710.	710.	710.	64.	526.	641.86	73.

*SECNO .250

*** GR CARDS REPEATED

0.25	10500.	497.	3125.	6878.	0.58	3	594.	
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M03

1796.47	0.0	139.	338.	1648.	-0.21	0	1790.60	
9.57	0.0	3.57	9.24	4.17	1.49	1797.05	1792.40	
0.004822	0.045	0.060	0.045	0.055	0.02	-0.00	49.21	
	1786.90	260.	260.	260.	66.	528.	643.23	85.

*SECNO .450

3301 HV CHANGED MORE THAN HVINS

JUNALUSKA CREEK		MAX PROB FLOOD			05/02/81			
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

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

0.45	10500.	2333.	5105.	3063.	1.29	7	505.	
1804.75	1804.75	417.	423.	703.	0.71	8	1800.50	
10.55	0.0	5.59	12.07	4.36	7.54	1806.04	1800.50	
0.012751	0.050	0.060	0.055	0.070	0.36	-0.00	404.89	
	1794.20	1020.	1020.	1020.	177.	328.	910.27	128.

*SECNO .490

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

0.49	1000.	2622.	4178.	3700.	0.64	2	513.	
1807.14	0.0	571.	473.	1005.	-0.66	0	1801.90	
11.54	0.0	4.60	8.84	3.68	1.67	1807.78	1801.90	
0.005900	0.050	0.060	0.055	0.070	0.07	-0.00	399.77	
	1795.60	200.	200.	200.	182.	331.	913.11	137.

*SECNO .570

3301 HV CHANGED MORE THAN HVINS

JUNALUSKA CREEK		MAX PROB FLOOD			05/02/81			
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

3685 20 TRIALS ATTEMPTED WSEL, CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

0.57	10500.	3245.	4527.	2727.	1.24	20	623.	
1815.04	1815.04	575.	368.	646.	0.60	9	1809.70	
11.84	0.0	5.64	12.29	4.22	4.31	1816.27	1809.60	
0.011409	0.051	0.060	0.055	0.070	0.30	-0.00	252.00	
	1803.20	540.	540.	540.	210.	412.	874.72	159.

*SECNO .720

3301 HV CHANGED MORE THAN HVINS

JUNALUSKA CREEK		MAX PROB FLOOD			05/02/81		TOPWID		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	BANK ELEV		
ELEV	CRIS	ALOB	ACH	AROB	DHV	IDC	LEFT/RIGHT		
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	SSTA		
SLOPE	WTN	XLN	XLCH	XNR	OLOSS	CORAR	ENDST		VOL
	ELMIN	XLOBL		XLOBR	WSDL	WSDR			
7185 MINIMUM SPECIFIC ENERGY									
3720 CRITICAL DEPTH ASSUMED									
0.72	10500.	3537.	4667.	2296.	1.86	9	338.		
1827.70	1827.70	453.	324.	405.	0.62	11	1821.30		
13.40	0.0	7.81	14.39	5.67	8.55	1829.55	1822.00		
0.014822	0.052	0.065	0.055	0.065	0.31	-0.00	95.21		
	1814.30	660.	660.	660.	120.	218.	433.01		180.

*SECNO .720

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

0.72	10500.	3501.	3434.	3566.	0.63	3	676.		
1829.51	0.0	648.	379.	1037.	-1.23	0	1821.30		
15.21	0.0	5.40	9.07	3.44	0.47	1830.14	1822.00		
0.004793	0.052	0.065	0.055	0.065	0.12	-0.00	87.98		
	1814.30	60.	60.	60.	127.	549.	764.21		182.

SPECIAL BRIDGE

SB	HK	XKOR	COFq	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	15.00	0.01	140.00	0.82
	ELCHU	ELCHD						
	1817.40	1817.40						

*SECNO .720

*** GR CARDS REPEATED

JUNALUSKA CREEK		MAX PROB FLOOD			05/02/81		TOPWID		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	BANK ELEV		
ELEV	CRIS	ALOB	ACH	AROB	DHV	IDC	LEFT/RIGHT		
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	SSTA		
SLOPE	WTN	XLN	XLCH	XNR	OLOSS	CORAR	ENDST		VOL
	ELMIN	XLOBL		XLOBR	WSDL	WSDR			

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
1969.26	1830.14	0.00	9694.	855.	140.	125.	1823.60
ELTRD							
1823.80							

B04

0.72	10500.	3398.	3141.	3961.	0.47	3	711.	
1829.97	0.0	701.	393.	1295.	-0.16	0	1821.30	
15.67	0.0	4.85	8.00	3.06	0.30	1830.44	1822.00	
0.003553	0.052	0.065	0.055	0.065	0.0	-0.00	86.12	
	1814.30	15.	15.	15.	129.	582.	797.42	183.

*SECNO .720

0.72	10500.	3557.	3636.	3308.	0.77	2	654.	
1830.00	0.0	615.	370.	880.	0.30	0	1822.10	
14.90	0.0	5.78	9.84	3.76	0.18	1830.77	1822.80	
0.005824	0.052	0.065	0.055	0.065	0.15	-0.00	89.19	
	1815.10	40.	40.	40.	126.	528.	742.83	185.

CCHV= 0.300 CEHV= 0.800
*SECNO .740

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

JUNALUSKA CREEK			MAX PROB FLOOD		05/02/81			
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

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

0.74	10500.	3791.	4278.	2431.	1.65	2	332.	
1830.84	1830.84	447.	323.	394.	0.89	14	1824.50	
13.34	0.0	8.48	13.25	6.16	0.58	1832.50	1825.20	
0.012658	0.052	0.055	0.055	0.055	0.71	-0.00	95.42	
	1817.50	70.	70.	70.	120.	212.	427.21	188.

*SECNO .740

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

JUNALUSKA CREEK			MAX PROB FLOOD		05/02/81			
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

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

0.74	10500.	26.	10474.	0.	3.51	2	142.	
1832.25	1832.25	15.	696.	0.	1.86	8	1832.70	
14.75	0.0	1.69	15.05	0.0	0.98	1835.76	1832.70	
0.021897	0.052	0.055	0.055	0.055	1.49	-0.00	122.31	
	1817.50	60.	60.	60.	454.	44.	620.00	189.

*SECNO .740

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1837.10 MAX ELLC= 1835.20

0.74	10500.	5230.	4632.	638.	0.30	15	1135.	
1836.43	1833.75	1299.	930.	390.	-3.21	6	1832.70	
18.93	0.0	4.03	4.98	1.64	0.01	1836.73	1832.70	
0.005330	0.052	0.055	0.055	0.055	0.96	-115.76	63.86	
	1817.50	1.	1.	1.	513.	622.	1198.77	189.

*SECNO .760

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

JUNALUSKA CREEK			MAX PROB FLOOD			05/02/81		
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

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1837.10 MAX ELLC= 1837.70

0.76	10500.	1901.	8590.	9.	1.24	8	535.	
1837.15	1836.25	491.	883.	3.	0.95	6	1835.20	
17.15	0.0	3.87	9.73	2.61	0.91	1838.40	1835.20	
0.011664	0.052	0.055	0.055	0.055	0.76	-0.00	88.69	
	1820.00	120.	120.	120.	488.	47.	623.40	194.

*SECNO .760

0.76	10500.	1225.	9269.	6.	1.46	4	534.	
1837.12	1834.57	476.	902.	3.	0.21	11	1835.20	
17.12	0.0	2.57	10.27	1.73	0.01	1838.58	1835.20	
0.007310	0.052	0.065	0.055	0.065	0.17	-0.00	89.17	
	1820.00	1.	1.	1.	487.	47.	623.34	194.

*SECNO .760

3301 HV CHANGED MORE THAN HVINS

0.76	10500.	3393.	2319.	4788.	0.05	3	1106.	
1838.99	0.0	2307.	821.	3276.	-1.41	0	1831.10	
18.99	0.0	1.47	2.82	1.46	0.04	1839.04	1831.00	
0.000399	0.052	0.065	0.055	0.065	0.42	-0.00	61.07	
	1820.00	40.	40.	40.	465.	640.	1166.88	198.

CCHV= 0.100 CEHV= 0.500

*SECNO .860

3301 HV CHANGED MORE THAN HVINS

JUNALUSKA CREEK		MAX PROB FLOOD			05/02/81				
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	

3685 20 TRIALS ATTEMPTED WSEL CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

0.86	10500.	1944.	3055.	5501.	1.35	20	485.		
1841.72	1841.72	359.	224.	761.	1.30	19	1839.70		
7.32	0.0	5.41	13.65	7.23	0.81	1843.07	1840.40		
0.031756	0.052	0.080	0.055	0.075	0.65	-0.00	657.63		
	1834.40	630.	630.	630.	195.	290.	1142.19	254.	

*SECNO .900

*** GR CARDS REPEATED

0.90	10500.	2090.	2803.	5607.	0.95	3	499.		
1847.39	0.0	444.	244.	888.	-0.41	0	1844.90		
7.79	0.0	4.70	11.48	6.32	5.22	1848.34	1845.60		
0.020007	0.052	0.080	0.055	0.075	0.04	-0.00	644.18		
	1839.60	210.	210.	210.	208.	291.	1143.51	261.	

THIS RUN EXECUTED 05/02/81 8:17:45

 HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
 ERROR CORR - 01,02,03
 MODIFICATION - 50,51,52,53,54

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

JUNALUSKA CREEK

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01K
0.020	0.	0.0	0.0	1780.2	1310.0	1784.78	0.0	1785.14	52.02	4.81	279.28	181.63
0.020	0.	0.0	0.0	1780.2	2200.0	1785.91	0.0	1786.40	51.36	5.76	423.58	306.99
0.020	0.	0.0	0.0	1780.2	2700.0	1786.36	0.0	1786.92	52.68	6.22	497.69	372.01
0.020	0.	0.0	0.0	1780.2	3940.0	1787.35	0.0	1788.02	52.50	7.01	686.34	543.79
0.020	0.	0.0	0.0	1780.2	10500.0	1790.25	0.0	1791.15	53.03	9.19	1765.24	1441.93
0.020	50.	0.0	0.0	1780.2	1310.0	1785.06	0.0	1785.37	40.74	4.47	293.02	205.23
0.020	50.	0.0	0.0	1780.2	2200.0	1786.14	0.0	1786.66	48.73	5.80	379.03	315.15
0.020	50.	0.0	0.0	1780.2	2700.0	1786.58	0.0	1787.24	54.50	6.51	414.44	365.74
0.020	50.	0.0	0.0	1780.2	3940.0	1787.47	0.0	1788.49	68.32	8.11	485.83	476.67
0.020	50.	0.0	0.0	1780.2	10500.0	1790.82	0.0	1791.39	34.21	7.69	2283.90	1795.14
0.020	1.	1789.1	1786.3	1780.2	1310.0	1785.04	0.0	1785.41	94.02	4.89	267.87	135.10
0.020	1.	1789.1	1786.3	1780.2	2200.0	1786.10	0.0	1786.72	130.34	6.34	347.11	192.70
0.020	1.	1789.1	1786.3	1780.2	2700.0	1786.49	0.0	1787.35	310.84	7.45	362.46	153.14
0.020	1.	1789.1	1786.3	1780.2	3940.0	1787.08	0.0	1788.92	661.92	10.87	362.46	153.14
* 0.020	1.	1789.1	1786.3	1780.2	10500.0	1792.43	1792.43	1793.89	435.52	10.08	1105.08	503.14
0.020	10.	1789.1	1786.3	1780.2	1310.0	1785.14	0.0	1785.49	70.32	4.75	275.67	156.22
0.020	10.	1789.1	1786.3	1780.2	2200.0	1786.25	0.0	1786.83	96.59	6.13	358.77	223.85
0.020	10.	1789.1	1786.3	1780.2	2700.0	1786.77	0.0	1787.63	251.78	7.45	362.46	170.16
0.020	10.	1789.1	1786.3	1780.2	3940.0	1787.68	0.0	1789.51	536.15	10.87	362.46	170.16
0.020	10.	1789.1	1786.3	1780.2	10500.0	1793.54	0.0	1794.19	130.42	6.71	1657.35	919.41
0.020	1.	0.0	0.0	1780.2	1310.0	1785.22	0.0	1785.50	28.74	4.29	305.43	244.35
0.020	1.	0.0	0.0	1780.2	2200.0	1786.38	0.0	1786.85	33.51	5.53	398.13	380.07
0.020	1.	0.0	0.0	1780.2	2700.0	1787.13	0.0	1787.67	31.42	5.88	458.94	481.67
0.020	1.	0.0	0.0	1780.2	3940.0	1788.98	0.0	1789.64	26.47	6.50	606.14	765.80
0.020	1.	0.0	0.0	1780.2	10500.0	1794.19	0.0	1794.25	2.91	3.06	6171.07	6151.75
0.020	20.	0.0	0.0	1780.2	1310.0	1785.31	0.0	1785.56	25.08	4.08	341.41	261.56
0.020	20.	0.0	0.0	1780.2	2200.0	1786.60	0.0	1786.92	23.53	4.77	539.03	453.58
0.020	20.	0.0	0.0	1780.2	2700.0	1787.44	0.0	1787.74	18.77	4.71	705.28	623.18
0.020	20.	0.0	0.0	1780.2	3940.0	1789.50	0.0	1789.71	10.18	4.21	1294.56	1235.07
0.020	20.	0.0	0.0	1780.2	10500.0	1794.19	0.0	1794.26	2.91	3.05	6175.84	6157.70

F04

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01K	
*	0.040	120.	0.0	0.0	1780.8	1310.0	1785.59	1785.59	1786.56	129.83	8.22	190.54	114.97
	0.040	120.	0.0	0.0	1780.8	2200.0	1786.85	0.0	1787.60	77.24	7.89	389.74	250.33
	0.040	120.	0.0	0.0	1780.8	2700.0	1787.68	0.0	1788.18	46.86	6.86	581.52	394.42
	0.040	120.	0.0	0.0	1780.8	3940.0	1789.65	0.0	1789.87	16.41	5.00	1275.10	972.73
	0.040	120.	0.0	0.0	1780.8	10500.0	1794.22	0.0	1794.32	4.96	3.80	4621.02	4715.83
	0.200	710.	0.0	0.0	1785.6	1300.0	1791.37	0.0	1791.96	49.08	6.35	258.05	185.56
*	0.200	710.	0.0	0.0	1785.6	2190.0	1792.17	1792.17	1792.91	59.57	7.74	484.04	283.75
*	0.200	710.	0.0	0.0	1785.6	2690.0	1792.47	1792.47	1793.20	61.10	8.10	615.64	344.15
*	0.200	710.	0.0	0.0	1785.6	3920.0	1793.02	1793.02	1793.74	63.09	8.73	890.05	493.51
	0.200	710.	0.0	0.0	1785.6	10500.0	1794.75	0.0	1795.54	68.76	10.68	1881.16	1266.27
	0.250	260.	0.0	0.0	1786.9	1300.0	1792.66	0.0	1793.25	50.05	6.39	254.73	183.76
	0.250	260.	0.0	0.0	1786.9	2190.0	1793.72	0.0	1794.24	42.89	6.76	595.57	334.42
	0.250	260.	0.0	0.0	1786.9	2690.0	1794.04	0.0	1794.53	42.06	6.93	752.82	414.77
	0.250	260.	0.0	0.0	1786.9	3920.0	1794.62	0.0	1795.10	43.27	7.46	1053.11	595.91
	0.250	260.	0.0	0.0	1786.9	10500.0	1796.47	0.0	1797.05	48.22	9.24	2125.63	1512.04
	0.450	1020.	0.0	0.0	1794.2	1300.0	1800.02	0.0	1800.77	116.19	6.94	187.38	120.60
	0.450	1020.	0.0	0.0	1794.2	2180.0	1800.98	0.0	1802.31	164.74	9.26	241.78	169.85
	0.450	1020.	0.0	0.0	1794.2	2680.0	1801.36	1800.85	1803.02	188.22	10.42	276.47	195.34
*	0.450	1020.	0.0	0.0	1794.2	3910.0	1803.09	1803.09	1804.03	90.25	8.78	716.38	411.58
*	0.450	1020.	0.0	0.0	1794.2	10500.0	1804.75	1804.75	1806.04	127.51	12.07	1542.42	929.86
	0.490	200.	0.0	0.0	1795.6	1290.0	1802.07	0.0	1802.61	72.80	5.88	220.08	151.19
	0.490	200.	0.0	0.0	1795.6	2180.0	1803.65	0.0	1804.28	61.97	6.66	431.20	276.92
	0.490	200.	0.0	0.0	1795.6	2670.0	1804.34	0.0	1804.85	48.80	6.37	646.66	382.20
	0.490	200.	0.0	0.0	1795.6	3880.0	1804.90	0.0	1805.49	57.76	7.30	916.24	510.54
	0.490	200.	0.0	0.0	1795.6	10500.0	1807.14	0.0	1807.78	59.00	8.84	2047.95	1367.03
	0.570	540.	0.0	0.0	1803.2	1290.0	1808.42	0.0	1810.06	280.31	10.25	125.81	77.05
*	0.570	540.	0.0	0.0	1803.2	2180.0	1809.75	1809.75	1812.23	331.34	12.64	172.64	119.76
*	0.570	540.	0.0	0.0	1803.2	2670.0	1811.13	1811.13	1813.14	196.17	11.56	258.75	190.63
*	0.570	540.	0.0	0.0	1803.2	3880.0	1813.03	1813.03	1814.10	93.90	9.59	668.85	400.41
*	0.570	540.	0.0	0.0	1803.2	10500.0	1815.04	1815.04	1816.27	114.09	12.29	1589.10	983.02
	0.720	660.	0.0	0.0	1814.3	1290.0	1821.90	0.0	1823.02	144.36	8.53	155.87	107.37
	0.720	660.	0.0	0.0	1814.3	2170.0	1823.57	1823.18	1824.80	121.35	9.45	307.04	196.99
*	0.720	660.	0.0	0.0	1814.3	2660.0	1824.15	1824.15	1825.35	114.36	9.72	392.90	248.19
*	0.720	660.	0.0	0.0	1814.3	3880.0	1824.87	1824.87	1826.36	138.14	11.35	516.00	330.13
*	0.720	660.	0.0	0.0	1814.3	10500.0	1827.70	1827.70	1829.55	148.22	14.39	1181.88	862.45
	0.720	60.	0.0	0.0	1814.3	1290.0	1822.99	0.0	1823.64	67.55	6.64	226.49	156.95
	0.720	60.	0.0	0.0	1814.3	2170.0	1824.67	0.0	1825.35	58.95	7.29	396.62	282.62
	0.720	60.	0.0	0.0	1814.3	2660.0	1825.32	0.0	1825.83	46.25	6.81	601.83	391.12
	0.720	60.	0.0	0.0	1814.3	3880.0	1826.35	0.0	1826.91	48.27	7.51	820.81	558.45
	0.720	60.	0.0	0.0	1814.3	10500.0	1829.51	0.0	1830.14	47.93	9.07	2064.36	1516.63
	0.720	15.	1823.8	1823.6	1814.3	1290.0	1824.65	0.0	1824.89	21.19	4.36	393.78	280.21
	0.720	15.	1823.8	1823.6	1814.3	2170.0	1826.56	0.0	1826.81	18.70	4.74	626.05	501.86
	0.720	15.	1823.8	1823.6	1814.3	2660.0	1827.15	0.0	1827.31	13.55	4.20	1016.17	722.73
	0.720	15.	1823.8	1823.6	1814.3	3880.0	1827.88	0.0	1828.11	17.98	5.07	1246.91	915.08
	0.720	15.	1823.8	1823.6	1814.3	10500.0	1829.97	0.0	1830.44	35.53	8.00	2388.66	1761.52

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01K
0.720	40.	0.0	0.0	1815.1	1290.0	1824.70	0.0	1825.04	33.04	5.09	354.82	224.41
0.720	40.	0.0	0.0	1815.1	2170.0	1826.65	0.0	1826.89	21.07	4.79	711.20	472.75
0.720	40.	0.0	0.0	1815.1	2660.0	1827.17	0.0	1827.43	22.31	5.12	826.68	563.13
0.720	40.	0.0	0.0	1815.1	3880.0	1827.91	0.0	1828.27	29.66	6.20	1004.94	712.38
0.720	40.	0.0	0.0	1815.1	10500.0	1830.00	0.0	1830.77	58.24	9.84	1864.26	1375.87
0.740	70.	0.0	0.0	1817.5	1290.0	1824.97	0.0	1826.16	157.23	8.77	149.85	102.88
0.740	70.	0.0	0.0	1817.5	2170.0	1826.76	1826.40	1827.92	116.96	9.27	305.60	200.65
0.740	70.	0.0	0.0	1817.5	2660.0	1827.29	0.0	1828.43	111.81	9.54	384.52	251.56
0.740	70.	0.0	0.0	1817.5	3880.0	1828.09	0.0	1829.40	123.17	10.73	517.98	349.61
* 0.740	70.	0.0	0.0	1817.5	10500.0	1830.84	1830.84	1832.50	126.58	13.25	1164.38	933.25
0.740	60.	0.0	0.0	1817.5	1290.0	1826.46	0.0	1826.76	27.51	4.34	297.39	245.95
0.740	60.	0.0	0.0	1817.5	2170.0	1828.00	0.0	1828.51	40.92	5.69	381.57	339.24
0.740	60.	0.0	0.0	1817.5	2660.0	1828.34	0.0	1829.02	53.95	6.62	401.89	362.15
0.740	60.	0.0	0.0	1817.5	3880.0	1828.80	0.0	1830.06	96.81	9.03	429.87	394.34
* 0.740	60.	0.0	0.0	1817.5	10500.0	1832.25	1832.25	1835.76	218.97	15.05	711.24	709.57
0.740	1.	1837.1	1835.2	1817.5	1290.0	1826.46	0.0	1826.78	48.05	4.48	287.78	186.10
0.740	1.	1837.1	1835.2	1817.5	2170.0	1828.00	0.0	1828.54	74.29	5.88	369.25	251.77
0.740	1.	1837.1	1835.2	1817.5	2660.0	1828.34	0.0	1829.07	98.74	6.84	388.63	267.69
0.740	1.	1837.1	1835.2	1817.5	3880.0	1828.79	0.0	1830.14	178.20	9.33	416.03	290.66
0.740	1.	1837.1	1835.2	1817.5	10500.0	1836.43	1833.75	1836.73	53.30	4.98	2619.11	1438.19
0.760	120.	1837.1	1837.7	1820.0	1290.0	1827.23	0.0	1827.83	106.72	6.19	208.27	124.87
0.760	120.	1837.1	1837.7	1820.0	2170.0	1829.09	0.0	1829.94	129.33	7.39	293.76	190.81
0.760	120.	1837.1	1837.7	1820.0	2660.0	1829.73	0.0	1830.76	150.39	8.15	326.20	216.90
0.760	120.	1837.1	1837.7	1820.0	3880.0	1831.02	0.0	1832.49	197.35	9.73	398.84	276.19
0.760	120.	1837.1	1837.7	1820.0	10500.0	1837.15	1836.25	1838.40	116.64	9.73	1377.52	972.21
0.760	1.	0.0	0.0	1820.0	1290.0	1827.31	0.0	1827.85	62.68	5.90	218.82	162.93
0.760	1.	0.0	0.0	1820.0	2170.0	1829.22	0.0	1829.98	69.73	7.00	310.21	259.87
0.760	1.	0.0	0.0	1820.0	2660.0	1829.89	0.0	1830.80	78.46	7.68	346.48	300.31
0.760	1.	0.0	0.0	1820.0	3880.0	1831.31	0.0	1832.56	96.20	9.00	430.95	395.60
0.760	1.	0.0	0.0	1820.0	10500.0	1837.12	1834.57	1838.58	73.10	10.27	1381.29	1228.11
0.760	40.	0.0	0.0	1820.0	1290.0	1827.58	0.0	1828.70	158.73	8.50	151.82	102.39
0.760	40.	0.0	0.0	1820.0	2170.0	1829.52	0.0	1830.85	172.58	9.27	234.17	165.18
0.760	40.	0.0	0.0	1820.0	2660.0	1830.23	0.0	1831.71	180.67	9.77	273.42	197.90
0.760	40.	0.0	0.0	1820.0	3880.0	1831.73	1831.30	1833.24	151.11	10.10	442.45	315.63
0.760	40.	0.0	0.0	1820.0	10500.0	1838.99	0.0	1839.04	3.99	2.82	6403.82	5257.34
* 0.860	630.	0.0	0.0	1834.4	1280.0	1839.39	1839.39	1839.86	150.35	6.68	343.20	104.39
0.860	630.	0.0	0.0	1834.4	2160.0	1840.03	1839.75	1840.43	132.50	6.85	574.33	187.65
0.860	630.	0.0	0.0	1834.4	2650.0	1840.36	0.0	1840.73	113.47	6.68	718.89	248.78
0.860	630.	0.0	0.0	1834.4	3870.0	1840.94	0.0	1841.32	107.28	7.12	974.43	373.64
* 0.860	630.	0.0	0.0	1834.4	10500.0	1841.72	1841.72	1843.07	317.56	13.65	1344.09	589.22
* 0.900	210.	0.0	0.0	1839.6	1280.0	1844.55	1844.55	1845.07	164.03	6.94	328.55	99.94
* 0.900	210.	0.0	0.0	1839.6	2160.0	1845.03	1845.03	1845.60	187.38	7.89	496.61	157.79
* 0.900	210.	0.0	0.0	1839.6	2650.0	1845.22	1845.22	1845.84	200.08	8.42	573.57	187.35
* 0.900	210.	0.0	0.0	1839.6	3870.0	1845.52	1845.52	1846.35	261.11	10.07	698.08	239.50
0.900	210.	0.0	0.0	1839.6	10500.0	1847.39	0.0	1848.34	200.07	11.48	1576.34	742.33

JUNALUSKA CREEK

SUMMARY PRINTOUT TABLE 150

SECCNO	Q	CWSEL	DIFMSP	DIFMSX	DIFKMS	TOPMID	XLCH
0.020	1310.	1784.8	0.0	0.0	-0.2	106.60	0.0
0.020	2200.	1785.9	1.1	0.0	-0.1	151.88	0.0
0.020	2700.	1786.4	0.5	0.0	0.4	171.01	0.0
0.020	3940.	1787.4	1.0	0.0	0.4	208.42	0.0
0.020	10500.	1790.3	2.9	0.0	0.3	885.09	0.0
0.020	1310.	1785.1	0.0	0.3	0.0	80.00	50.00
0.020	2200.	1786.1	1.1	0.2	0.0	80.00	50.00
0.020	2700.	1786.6	0.4	0.2	0.0	80.00	50.00
0.020	3940.	1787.5	0.9	0.1	0.0	80.00	50.00
0.020	10500.	1790.8	3.3	0.6	0.0	952.21	50.00
0.020	1310.	1785.0	0.0	-0.0	0.0	75.00	1.00
0.020	2200.	1786.1	1.1	-0.0	0.0	75.00	1.00
0.020	2700.	1786.5	0.4	-0.1	0.0	75.00	1.00
0.020	3940.	1787.1	0.6	-0.4	0.0	80.00	1.00
0.020	10500.	1792.4	5.3	1.6	0.0	410.95	1.00
0.020	1310.	1785.1	0.0	0.1	0.0	75.00	10.00
0.020	2200.	1786.3	1.1	0.2	0.0	75.00	10.00
0.020	2700.	1786.8	0.5	0.3	0.0	80.00	10.00
0.020	3940.	1787.7	0.9	0.6	0.0	80.00	10.00
0.020	10500.	1793.5	5.9	1.1	0.0	580.92	10.00
0.020	1310.	1785.2	0.0	0.1	0.0	80.00	1.00
0.020	2200.	1786.4	1.2	0.1	0.0	80.00	1.00
0.020	2700.	1787.1	0.8	0.4	0.0	80.00	1.00
0.020	3940.	1789.0	1.8	1.3	0.0	80.00	1.00
0.020	10500.	1794.2	5.2	0.6	0.0	1372.44	1.00
0.020	1310.	1785.3	0.0	0.1	0.0	127.36	20.00
0.020	2200.	1786.6	1.3	0.2	0.0	180.80	20.00
0.020	2700.	1787.4	0.8	0.3	0.0	211.22	20.00
0.020	3940.	1789.5	2.1	0.5	0.0	450.74	20.00
0.020	10500.	1794.2	4.7	0.0	0.0	1373.59	20.00
0.040	1310.	1785.6	0.0	0.3	0.0	121.32	120.00
0.040	2200.	1786.9	1.3	0.3	0.0	198.28	120.00
0.040	2700.	1787.7	0.8	0.2	0.0	267.96	120.00
0.040	3940.	1789.7	2.0	0.1	0.0	435.08	120.00
0.040	10500.	1794.2	4.6	0.0	0.0	929.47	120.00
0.200	1300.	1791.4	0.0	5.8	0.0	162.71	710.00
0.200	2190.	1792.2	0.8	5.3	0.0	430.17	710.00
0.200	2690.	1792.5	0.3	4.8	0.0	469.72	710.00
0.200	3920.	1793.0	0.5	3.4	0.0	522.13	710.00
0.200	10500.	1794.7	1.7	0.5	0.0	589.90	710.00
0.250	1300.	1792.7	0.0	1.3	0.0	159.48	260.00
0.250	2190.	1793.7	1.1	1.5	0.0	464.28	260.00
0.250	2690.	1794.0	0.3	1.6	0.0	502.71	260.00
0.250	3920.	1794.6	0.6	1.6	0.0	544.30	260.00

0.250

10500.

1796.5

1.8

1.7

0.0

594.02

260.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKNS	TOPWID	XLCH
0.450	1300.	1800.0	0.0	7.4	0.0	47.45	1020.00
0.450	2180.	1801.0	1.0	7.3	0.0	80.27	1020.00
0.450	2680.	1801.4	0.4	7.3	0.0	104.08	1020.00
0.450	3910.	1803.1	1.7	8.5	0.0	492.10	1020.00
0.450	10500.	1804.7	1.7	8.3	0.0	505.38	1020.00
0.490	1290.	1802.1	0.0	2.0	0.0	60.82	200.00
0.490	2180.	1803.6	1.6	2.7	0.0	258.03	200.00
0.490	2670.	1804.3	0.7	3.0	0.0	490.96	200.00
0.490	3880.	1804.9	0.6	1.8	0.0	495.35	200.00
0.490	10500.	1807.1	2.2	2.4	0.0	513.34	200.00
0.570	1290.	1808.4	0.0	6.4	0.0	32.78	540.00
0.570	2180.	1809.7	1.3	6.1	0.0	38.84	540.00
0.570	2670.	1811.1	1.4	6.8	0.0	94.55	540.00
0.570	3880.	1813.0	1.9	8.1	0.0	380.32	540.00
0.570	10500.	1815.0	2.0	7.9	0.0	622.72	540.00
0.720	1290.	1821.9	0.0	13.5	0.0	47.89	660.00
0.720	2170.	1823.6	1.7	13.8	0.0	135.10	660.00
0.720	2660.	1824.1	0.6	13.0	0.0	158.82	660.00
0.720	3880.	1824.9	0.7	11.8	0.0	182.47	660.00
0.720	10500.	1827.7	2.8	12.7	0.0	337.80	660.00
0.720	1290.	1823.0	0.0	1.1	0.0	80.86	60.00
0.720	2170.	1824.7	1.7	1.1	0.0	113.10	60.00
0.720	2660.	1825.3	0.7	1.2	0.0	197.29	60.00
0.720	3880.	1826.3	1.0	1.5	0.0	230.83	60.00
0.720	10500.	1829.5	3.2	1.8	0.0	676.23	60.00
0.720	1290.	1824.6	0.0	1.7	0.0	112.86	15.00
0.720	2170.	1826.6	1.9	1.9	0.0	130.23	15.00
0.720	2660.	1827.1	0.6	1.8	0.0	261.00	15.00
0.720	3880.	1827.9	0.7	1.5	0.0	359.28	15.00
0.720	10500.	1830.0	2.1	0.5	0.0	711.31	15.00
0.720	1290.	1824.7	0.0	0.1	0.0	150.75	40.00
0.720	2170.	1826.7	2.0	0.1	0.0	214.70	40.00
0.720	2660.	1827.2	0.5	0.0	0.0	231.66	40.00
0.720	3880.	1827.9	0.7	0.0	0.0	253.55	40.00
0.720	10500.	1830.0	2.1	0.0	0.0	653.64	40.00
0.740	1290.	1825.0	0.0	0.3	0.0	43.85	70.00
0.740	2170.	1826.8	1.8	0.1	0.0	134.52	70.00
0.740	2660.	1827.3	0.5	0.1	0.0	157.08	70.00
0.740	3880.	1828.1	0.8	0.2	0.0	182.83	70.00
0.740	10500.	1830.8	2.8	0.8	0.0	331.79	70.00
0.740	1290.	1826.5	0.0	1.5	0.0	51.12	60.00
0.740	2170.	1828.0	1.5	1.2	0.0	58.93	60.00
0.740	2660.	1828.3	0.3	1.1	0.0	60.87	60.00
0.740	3880.	1828.8	0.5	0.7	0.0	63.44	60.00
0.740	10500.	1832.2	3.5	1.4	0.0	142.49	60.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
0.740	1290.	1826.5	0.0	-0.0	0.0	49.35	1.00
0.740	2170.	1828.0	1.5	-0.0	0.0	56.97	1.00
0.740	2660.	1828.3	0.3	-0.0	0.0	58.88	1.00
0.740	3880.	1828.8	0.5	-0.0	0.0	61.48	1.00
0.740	10500.	1836.4	7.6	4.2	0.0	1134.91	1.00
0.760	1290.	1827.2	0.0	0.8	0.0	42.45	120.00
0.760	2170.	1829.1	1.9	1.1	0.0	49.90	120.00
0.760	2660.	1829.7	0.6	1.4	0.0	52.79	120.00
0.760	3880.	1831.0	1.3	2.2	0.0	59.87	120.00
0.760	10500.	1837.2	6.1	0.7	0.0	534.71	120.00
0.760	1290.	1827.3	0.0	0.1	0.0	44.20	1.00
0.760	2170.	1829.2	1.9	0.1	0.0	52.31	1.00
0.760	2660.	1829.9	0.7	0.2	0.0	55.52	1.00
0.760	3880.	1831.3	1.4	0.3	0.0	63.54	1.00
0.760	10500.	1837.1	5.8	-0.0	0.0	534.17	1.00
0.760	1290.	1827.6	0.0	0.3	0.0	34.26	40.00
0.760	2170.	1829.5	1.9	0.3	0.0	50.49	40.00
0.760	2660.	1830.2	0.7	0.3	0.0	66.15	40.00
0.760	3880.	1831.7	1.5	0.4	0.0	174.89	40.00
0.760	10500.	1839.0	7.3	1.9	0.0	1105.81	40.00
*	0.860	1280.	1839.4	0.0	11.8	328.84	630.00
	0.860	2160.	1840.0	0.6	10.5	411.43	630.00
	0.860	2650.	1840.4	0.3	10.1	426.04	630.00
	0.860	3870.	1840.9	0.6	9.2	460.09	630.00
*	0.860	10500.	1841.7	0.8	2.7	484.56	630.00
*	0.900	1280.	1844.5	0.0	5.2	323.53	210.00
*	0.900	2160.	1845.0	0.5	5.0	377.36	210.00
*	0.900	2650.	1845.2	0.2	4.9	411.35	210.00
*	0.900	3870.	1845.5	0.3	4.6	423.97	210.00
	0.900	10500.	1847.4	1.9	5.7	499.32	210.00

SUMMARY OF ERRORS

CAUTION SECNO= 0.020 PROFILE= 5 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 0.020 PROFILE= 5
PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 0.020 PROFILE= 5
20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.040 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 0.200 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 0.200 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 0.200 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 0.200 PROFILE= 4
PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 0.200 PROFILE= 4
20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.450 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 0.450 PROFILE= 5 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.570 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 0.570 PROFILE= 3 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.570 PROFILE= 3
PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.570 PROFILE= 3
20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.570 PROFILE= 4 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.570 PROFILE= 4
PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.570 PROFILE= 4
20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.570 PROFILE= 5 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.570 PROFILE= 5
PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.570 PROFILE= 5
20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.720 PROFILE= 3 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.720 PROFILE= 4 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.720 PROFILE= 5 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.740 PROFILE= 5 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.740 PROFILE= 5 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.860 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.860 PROFILE= 5 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.860 PROFILE= 5
PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.860 PROFILE= 5
20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.900 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.900 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.900 PROFILE= 3 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.900 PROFILE= 3
PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.900 PROFILE= 3
20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.900 PROFILE= 4 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.900 PROFILE= 4
PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.900 PROFILE= 4
20 TRIALS ATTEMPTED TO BALANCE WSEL

M04

JUNALUSKA CREEK

MILE	MAX PROB FLOOD		ANDREWS NC LFS 500 YEAR FLOOD		100 YEAR FLOOD		50 YEAR FLOOD	
	Q	ELEV	Q	ELEV	Q	ELEV	Q	ELEV
0.020	10500.	1790.3	3940.	1787.4	2700.	1786.4	2200.	1785.9
0.020	10500.	1794.2	3940.	1789.5	2700.	1787.4	2200.	1786.6
0.040	10500.	1794.2	3940.	1789.7	2700.	1787.7	2200.	1786.9
0.200	10500.	1794.7	3920.	1793.0	2690.	1792.5	2190.	1792.2
0.250	10500.	1796.5	3920.	1794.6	2690.	1794.0	2190.	1793.7
0.450	10500.	1804.7	3910.	1803.1	2680.	1801.4	2180.	1801.0
0.490	10500.	1807.1	3880.	1804.9	2670.	1804.3	2180.	1803.6
0.570	10500.	1815.0	3880.	1813.0	2670.	1811.1	2180.	1809.7
0.720	10500.	1827.7	3880.	1824.9	2660.	1824.1	2170.	1823.6
0.720	10500.	1830.0	3880.	1827.9	2660.	1827.2	2170.	1826.7
0.740	10500.	1830.8	3880.	1828.1	2660.	1827.3	2170.	1826.8
0.740	10500.	1836.4	3880.	1828.8	2660.	1828.3	2170.	1828.0
0.760	10500.	1837.2	3880.	1831.0	2660.	1829.7	2170.	1829.1
0.760	10500.	1839.0	3880.	1831.7	2660.	1830.2	2170.	1829.5
0.860	10500.	1841.7	3870.	1840.9	2650.	1840.4	2160.	1840.0
0.900	10500.	1847.4	3870.	1845.5	2650.	1845.2	2160.	1845.0

ADS

JUNALUSKA CREEK

ANDREWS NC LFS

10 YEAR FLOOD

MILE	Q	ELEV	Q	ELEV
0.020	1310.	1784.8		
0.020	1310.	1785.3		
0.040	1310.	1785.6		
0.200	1300.	1791.4		
0.250	1300.	1792.7		
0.450	1300.	1800.0		
0.490	1290.	1802.1		
0.570	1290.	1808.4		
0.720	1290.	1821.9		
0.720	1290.	1824.7		
0.740	1290.	1825.0		
0.740	1290.	1826.5		
0.760	1290.	1827.2		
0.760	1290.	1827.6		
0.860	1280.	1839.4		
0.900	1280.	1844.5		

..

THIS RUN EXECUTED 05/02/81 8:17:47

 HEC2 RELEASE DATED NOV 76 UPDATED JULY1979
 ERROR CORR - 01,02,03
 MODIFICATION - 50,51,52,53,54

T1	ANDREWS NC LFS	JUNALUF	5
T2	100 YEAR FLOOD	MARCH 1981 BCH	10
T3	JUNALUSKA CREEK	100 YEAR FLOODWAY	15

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ	
	0.	4.	0.	0.	0.00520	0.	0.0	2700.	1786.00	0.0	20

J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE	
	1.	0.	-1.	0.	0.	0.0	0.0	0.	0.	0.	25

J3	VARIABLE CODES FOR SUMMARY PRINTOUT										
	110.00	0.0	200.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30

NC	0.060	0.055	0.050	0.1	0.5						35
QT	6.	1310.	2200.	2700.	3940.	10500.	2700.	0.	0.	0.	40
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	200.00	280.00	0.0	45

X1	0.02	20.	200.	280.	0.	0.	0.	0.0	0.0	0.	50
GR	1800.0	0.	1794.5	15.	1794.1	105.	1789.5	150.	1787.0	165.	55
GR	1784.9	200.	1781.9	212.	1780.2	232.	1780.2	236.	1780.9	247.	60
GR	1780.5	255.	1780.7	268.	1784.3	280.	1784.5	300.	1788.5	400.	65
GR	1790.0	700.	1790.0	1000.	1795.5	1600.	1801.5	1800.	1810.0	1801.	70
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	200.00	280.00	0.0	75

X1	0.02	0.	0.	0.	50.	50.	50.	0.0	0.0	0.	80
X3	10.	0.0	0.0	0.	0.0	0.	0.0	1788.1	1788.6		85
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	200.00	280.00	0.0	90

X1	0.02	38.	200.	280.	1.	1.	1.	0.0	0.0	0.	95
X3	10.	0.0	0.0	0.	0.0	0.	0.0	1788.1	1788.6		100
BT	4.0	200.0	1789.1	0.0	200.0	1789.1	1786.3	280.0	1789.6	1786.3	105
BT	280.0	1789.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	110
GR	1800.0	0.	1794.5	15.	1794.1	105.	1789.5	150.	1789.0	153.	115
GR	1789.1	200.	1784.9	200.	1781.9	212.	1781.3	220.	1787.0	220.	120
GR	1787.0	221.	1781.3	221.	1780.2	230.	1787.0	230.	1787.0	231.	125
GR	1780.2	231.	1780.2	236.	1780.7	240.	1787.0	240.	1787.0	241.	130
GR	1780.7	241.	1780.9	247.	1780.7	250.	1787.0	250.	1787.0	251.	135
GR	1780.7	251.	1780.5	255.	1780.6	260.	1787.0	260.	1787.0	261.	140
GR	1780.6	261.	1780.7	268.	1784.3	280.	1789.6	280.	1791.5	400.	145
GR	1795.7	1000.	1802.9	1800.	1810.0	1801.	0.0	0.	0.0	0.	150
NC	0.055	0.050	0.045	0.0	0.0						155
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	200.00	280.00	0.0	160

B01

X1	0.02	0.	0.	0.	10.	10.	10.	0.0	0.0	0.	165
X2	0.	0.0	0.	0.0	0.0	0.0	1.	0.0	0.0	0.	170
X3	10.	0.0	0.0	0.	0.0	0.	0.0	1789.1	1789.6	0.	175
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	200.00	280.00	0.0	180
X1	0.02	20.	200.	280.	1.	1.	1.	0.0	0.0	0.	185
X3	10.	0.0	0.0	0.	0.0	0.	0.0	1789.1	1789.6	0.	190
GR 1800.0	0.	1794.5	15.	1794.1	105.	1789.5	150.	1787.0	165.	195	
GR 1784.9	200.	1781.9	212.	1780.2	232.	1780.2	236.	1780.9	247.	200	
GR 1780.5	255.	1780.7	268.	1784.3	280.	1784.5	300.	1788.5	400.	205	
GR 1790.0	700.	1790.0	1000.	1795.5	1600.	1801.5	1800.	1810.0	1801.	210	
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	200.00	280.00	0.0	215
X1	0.02	0.	0.	0.	20.	20.	20.	0.0	0.0	0.	220
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	85.00	175.00	0.0	225
X1	0.04	15.	103.	148.	120.	120.	120.	0.0	0.0	0.	230
GR 1800.0	0.	1793.7	0.	1791.5	20.	1786.5	56.	1785.4	73.	235	
GR 1784.5	103.	1782.5	110.	1780.8	122.	1781.5	132.	1784.5	148.	240	
GR 1786.6	232.	1789.8	480.	1790.8	650.	1793.4	905.	1800.0	1100.	245	
NC 0.060	0.055	0.045	0.0	0.0						250	
QT	6.	1300.	2190.	2690.	3920.	10500.	2690.	0.	0.	0.	255
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	88.00	178.00	0.0	260
X1	0.20	15.	96.	135.	710.	710.	710.	0.0	-1.30	0.	265
GR 1808.8	0.	1800.6	30.	1796.3	50.	1790.6	96.	1786.9	100.	270	
GR 1786.9	125.	1792.4	135.	1793.1	180.	1793.2	275.	1795.1	333.	275	
GR 1791.6	440.	1793.5	540.	1792.9	572.	1794.0	635.	1798.5	650.	280	
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	88.00	178.00	0.0	285
X1	0.25	0.	0.	0.	260.	260.	260.	0.0	1.30	0.	290
NC 0.060	0.070	0.055	0.0	0.0						295	
QT	6.	1300.	2180.	2680.	3910.	10500.	2680.	0.	0.	0.	300
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	550.00	620.00	0.0	305
X1	0.45	15.	557.	607.	1020.	1020.	1020.	0.0	-1.40	0.	310
GR 1818.3	0.	1812.5	130.	1811.1	230.	1810.0	385.	1803.8	417.	315	
GR 1802.9	545.	1801.9	557.	1795.6	565.	1795.6	585.	1796.5	585.	320	
GR 1801.9	607.	1804.3	730.	1804.3	905.	1807.8	915.	1815.0	915.	325	
QT	6.	1290.	2180.	2670.	3880.	10500.	2670.	0.	0.	0.	330
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	550.00	620.00	0.0	335
X1	0.49	0.	0.	0.	200.	200.	200.	0.0	1.40	0.	340
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	442.00	482.00	0.0	345
X1	0.57	25.	444.	481.	540.	540.	540.	0.0	0.0	0.	350
GR 1824.1	0.	1821.0	52.	1820.6	95.	1819.8	165.	1817.4	230.	355	
GR 1810.1	298.	1811.7	338.	1812.6	391.	1812.6	435.	1810.8	440.	360	
GR 1809.7	444.	1803.7	459.	1803.2	459.	1803.2	467.	1803.2	476.	365	
GR 1803.7	476.	1809.6	481.	1811.9	507.	1812.4	619.	1813.2	660.	370	
GR 1814.7	722.	1814.7	804.	1814.7	873.	1820.0	900.	1825.0	925.	375	

C01

NC	0.065	0.065	0.055	0.0	0.0							380
QT	6.	1290.	2170.	2660.	3880.	10500.	2660.	0.	0.	0.		385
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	175.00	245.00	0.0		390

X1	0.72	15.	200.	230.	660.	660.	660.	0.0	0.0	0.		395
GR	1834.5	25.	1831.5	80.	1826.5	100.	1823.8	125.	1821.3	200.		400
GR	1819.0	200.	1814.3	217.	1818.3	227.	1822.0	230.	1827.1	350.		405
GR	1827.4	400.	1829.2	600.	1828.6	700.	1830.5	835.	1840.0	1000.		410
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	175.00	245.00	0.0		415

X1	0.72	0.	0.	0.	60.	60.	60.	0.0	0.0	0.		420
X3	10.	0.0	0.0	0.	0.0	0.	0.0	1822.6	1825.0			425
SB	1.25	1.60	3.00	0.	15.00	0.01	140.00	0.82	1817.4	1817.4		430
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	165.00	255.00	0.0		435

X1	0.72	0.	0.	0.	15.	15.	15.	0.0	0.0	0.		440
X2	0.	0.0	1.	1823.6	1823.8	0.0	0.	0.0	0.0	0.		445
X3	10.	0.0	0.0	0.	0.0	0.	0.0	1823.8	1826.8			450
BT	10.0	25.0	1834.5	0.0	80.0	1831.5	0.0	100.0	1826.5	0.0		455
BT	125.0	1823.8	0.0	235.0	1826.5	0.0	300.0	1826.8	0.0	400.0		460
BT	1827.4	0.0	600.0	1829.2	0.0	700.0	1828.6	0.0	835.0	1830.5		465
BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		470
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	165.00	255.00	0.0		475

X1	0.72	15.	200.	230.	40.	40.	40.	0.0	0.80	0.		480
GR	1834.5	25.	1831.5	80.	1826.5	100.	1823.8	125.	1821.3	200.		485
GR	1819.0	200.	1814.3	217.	1818.3	227.	1822.0	230.	1827.1	350.		490
GR	1827.4	400.	1829.2	600.	1828.6	700.	1830.5	835.	1840.0	1000.		495
NC	0.055	0.055	0.055	0.3	0.8							500
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	165.00	255.00	0.0		505

X1	0.74	0.	0.	0.	70.	70.	70.	0.0	2.40	0.		510
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	532.00	622.00	0.0		515

X1	0.74	26.	533.	620.	60.	60.	60.	0.0	-2.50	0.		520
GR	1843.5	0.	1834.2	130.	1836.5	330.	1837.0	480.	1837.1	530.		525
GR	1835.2	533.	1833.5	533.	1832.5	543.	1828.3	553.	1821.0	563.		530
GR	1820.5	569.	1820.1	570.	1820.0	575.	1820.2	582.	1825.0	593.		535
GR	1830.0	605.	1833.6	617.	1833.6	620.	1835.2	620.	1837.5	624.		540
GR	1837.8	680.	1838.4	830.	1838.2	1030.	1839.5	1330.	1839.5	1430.		545
GR	1845.0	1530.	0.0	0.	0.0	0.	0.0	0.	0.0	0.		550
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	532.00	622.00	0.0		555

X1	0.74	32.	533.	620.	1.	1.	1.	0.0	-2.50	0.		560
BT	4.0	530.0	1837.1	0.0	530.0	1837.1	1835.2	624.0	1837.5	1835.2		565
BT	624.0	1837.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		570
GR	1843.5	0.	1834.2	130.	1836.5	330.	1837.0	480.	1837.1	530.		575
GR	1835.2	533.	1833.5	533.	1832.5	543.	1828.3	553.	1821.0	563.		580
GR	1835.2	563.	1835.2	564.	1821.0	564.	1820.5	569.	1820.1	570.		585
GR	1820.0	575.	1820.2	582.	1825.0	593.	1835.2	593.	1835.2	594.		590
GR	1825.0	594.	1830.0	605.	1833.6	617.	1833.6	620.	1835.2	620.		595
GR	1837.5	624.	1837.8	680.	1838.4	830.	1838.2	1030.	1839.5	1330.		600
GR	1839.5	1430.	1845.0	1530.	0.0	0.	0.0	0.	0.0	0.		605

*PROF 1

CCHV= 0.100 CEHV= 0.500

*SECNO .020

JUNALUSKA CREEK		100 YEAR FLOOD			05/02/81		TOPWID		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	BANK ELEV		
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	LEFT/RIGHT		
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	SSTA		
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	ENDST		VOL
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR			
0.02	2700.	26.	2472.	202.	0.56	0	171.		
1786.36	0.0	18.	397.	83.	0.50	0	1784.90		
6.16	1786.00	1.46	6.22	2.44	0.0	1786.92	1784.30		
0.005268	0.0	0.060	0.050	0.055	0.0	-0.00	175.60		
	1780.20	0.	0.	0.	64.	107.	346.60		0.

*SECNO .020

*** GR CARDS REPEATED

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 1788.10 ELREA= 1788.60

0.02	2700.	0.	2700.	0.	0.66	2	80.		
1786.58	0.0	0.	414.	0.	0.10	0	1784.90		
6.38	0.0	0.0	6.51	0.0	0.27	1787.24	1784.30		
0.005450	0.049	0.060	0.050	0.055	0.05	-0.00	200.00		
	1780.20	50.	50.	50.	40.	40.	280.00		1.

*SECNO .020

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1789.10 MAX ELLC= 1786.30

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 1788.10 ELREA= 1788.60

0.02	2700.	0.	2700.	0.	0.86	2	75.		
1786.49	0.0	0.	362.	0.	0.20	0	1789.10		
6.29	0.0	0.0	7.45	0.0	0.01	1787.35	1789.60		
0.031084	0.048	0.060	0.050	0.055	0.10	-14.30	200.00		
	1780.20	1.	1.	1.	40.	40.	280.00		1.

*SECNO .020

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1789.10 MAX ELLC= 1786.30

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 1789.10 ELREA= 1789.60

F01

0.02	2700.	0.	2700.	0.	0.86	2	75.	
1786.77	0.0	0.	362.	0.	0.00	0	1789.10	
6.57	0.0	0.0	7.45	0.0	0.28	1787.63	1789.60	
0.025178	0.047	0.055	0.045	0.050	0.00	-35.21	200.00	1.
	1780.20	10.	10.	10.	40.	40.	280.00	

*SECNO .020

JUNALUSKA CREEK

100 YEAR FLOOD 05/02/81

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

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1789.10 ELREA= 1789.60

0.02	2700.	0.	2700.	0.	0.54	2	80.	
1787.13	0.0	0.	459.	0.	-0.32	0	1784.90	
6.93	0.0	0.0	5.88	0.0	0.01	1787.67	1784.30	
0.003142	0.046	0.055	0.045	0.050	0.03	-0.00	200.00	1.
	1780.20	1.	1.	1.	40.	40.	280.00	

*SECNO .020

*** GR CARDS REPEATED

0.02	2700.	80.	2275.	345.	0.30	2	211.	
1787.44	0.0	53.	483.	169.	-0.24	0	1784.90	
7.24	0.0	1.51	4.71	2.04	0.05	1787.74	1784.30	
0.001877	0.045	0.055	0.045	0.050	0.02	-0.00	162.34	1.
	1780.20	20.	20.	20.	78.	134.	373.56	

*SECNO .040

0.04	2700.	380.	1658.	662.	0.51	2	268.	
1787.68	0.0	116.	242.	224.	0.21	0	1784.50	
6.88	0.0	3.27	6.86	2.96	0.34	1788.18	1784.50	
0.004686	0.045	0.055	0.045	0.050	0.10	-0.00	47.52	3.
	1780.80	120.	120.	120.	78.	190.	315.49	

*SECNO .200

3265 DIVIDED FLOW

JUNALUSKA CREEK			100 YEAR FLOOD		05/02/81			
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

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

0.20	2690.	106.	1888.	697.	0.74	4	470.	
1792.47	1792.47	40.	233.	342.	0.23	5	1789.30	
6.87	0.0	2.62	8.10	2.03	3.78	1793.20	1791.10	

60?

0.006110	0.045	0.060	0.045	0.055	0.12	-0.00	70.45	
	1785.60	710.	710.	710.	45.	506.	621.63	12.

*SECNO .250

*** GR CARDS REPEATED

3265 DIVIDED FLOW

0.25	2690.	110.	1691.	889.	0.49	1	503.	
1794.04	0.0	48.	244.	461.	-0.24	0	1790.60	
7.14	0.0	2.30	6.93	1.93	1.31	1794.53	1792.40	
0.004206	0.045	0.060	0.045	0.055	0.02	-0.00	68.17	
	1786.90	260.	260.	260.	47.	520.	635.16	17.

*SECNO .450

3301 HV CHANGED MORE THAN HVINS

JUNALUSKA CREEK		100 YEAR FLOOD			05/02/81			
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
0.45	2660.	8.	2641.	31.	1.66	4	104.	
1801.36	1800.85	4.	253.	19.	1.17	9	1800.50	
7.16	0.0	1.92	10.42	1.65	7.90	1803.02	1800.50	
0.018822	0.050	0.060	0.055	0.070	0.59	-0.00	546.74	
	1794.20	1020.	1020.	1020.	35.	69.	650.82	29.

*SECNO .490

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

0.49	2670.	284.	2120.	265.	0.51	2	491.	
1804.34	0.0	152.	333.	162.	-1.15	0	1801.90	
8.74	0.0	1.87	6.37	1.64	1.72	1804.85	1801.90	
0.004880	0.050	0.060	0.055	0.070	0.12	-0.00	414.17	
	1795.60	200.	200.	200.	168.	323.	905.14	31.

*SECNO .570

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

JUNALUSKA CREEK		100 YEAR FLOOD			05/02/81			
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	

H01

ELMIN	XLOBL	XLCHI	XLOBR	WSDL	WSDR	ENDST	VOL
3685	20 TRIALS ATTEMPTED	WSEL	CMSEL				
3693	PROBABLE MINIMUM SPECIFIC ENERGY						
3720	CRITICAL DEPTH ASSUMED						
0.57	2670.	52.	2586.	2.01	20	95.	
1811.13	1811.13	22.	224.	1.50	11	1809.70	
7.93	0.0	2.36	11.56	4.69	1813.14	1809.60	
0.019617	0.051	0.060	0.055	0.75	-0.00	288.41	
	1803.20	540.	540.	174.	36.	498.29	36.

*SECNO .720

3301 HV CHANGED MORE THAN HVINS

JUNALUSKA CREEK		100 YEAR FLOOD		05/02/81		TOPMID	
MILE	Q	QLOB	QROB	IIV	ITRIAL	BANK	ELEV
ELEV	CRIS	ALOB	AROB	DHV	IDC	LEFT/	RIGHT
DEPTH	WSELK	VLOB	VROB	HL	EG	SSTA	
SLOPE	WTN	XNL	XNR	OLOSS	CORAR	ENDST	VOL
ELMIN	ELMIN	XLCH	XLCH	WSDL	WSDR		
7185	MINIMUM SPECIFIC ENERGY						
3720	CRITICAL DEPTH ASSUMED						
0.72	2660.	402.	2118.	1.20	4	159.	
1824.15	1824.15	121.	218.	-0.81	9	1821.30	
9.85	0.0	3.34	9.72	9.74	1825.35	1822.00	
0.017486	0.052	0.065	0.055	0.08	-0.00	121.76	
	1814.30	660.	660.	93.	66.	280.58	41.

*SECNO .720

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

SB	HK	XKOR	COFQ	RDLEN	BMC	BMP	BAREA	SS
1825.32	0.0	1.60	3.00	0.0	15.00	0.01	140.00	0.82
11.02	0.0	ELCHD						
0.004625	0.052	1817.40	1017.40					
	1814.30	60.	60.					
	2660.	652.	1725.					
	0.0	219.	253.					
	0.0	2.98	6.81					
	0.052	0.065	0.055					
	1814.30	60.	60.					
	652.	283.	1725.					
	219.	130.	253.					
	2.98	2.18	6.81					
	0.065	0.065	0.055					
	60.	60.	60.					
	2660.	652.	1725.					
	0.0	219.	253.					
	0.0	2.98	6.81					
	0.052	0.065	0.055					
	1814.30	60.	60.					
	652.	283.	1725.					
	219.	130.	253.					
	2.98	2.18	6.81					
	0.065	0.065	0.055					
	60.	60.	60.					
	2660.	652.	1725.					
	0.0	219.	253.					
	0.0	2.98	6.81					
	0.052	0.065	0.055					
	1814.30	60.	60.					
	652.	283.	1725.					
	219.	130.	253.					
	2.98	2.18	6.81					
	0.065	0.065	0.055					
	60.	60.	60.					
	2660.	652.	1725.					
	0.0	219.	253.					
	0.0	2.98	6.81					
	0.052	0.065	0.055					
	1814.30	60.	60.					
	652.	283.	1725.					
	219.	130.	253.					
	2.98	2.18	6.81					
	0.065	0.065	0.055					
	60.	60.	60.					
	2660.	652.	1725.					
	0.0	219.	253.					
	0.0	2.98	6.81					
	0.052	0.065	0.055					
	1814.30	60.	60.					
	652.	283.	1725.					
	219.	130.	253.					
	2.98	2.18	6.81					
	0.065	0.065	0.055					
	60.	60.	60.					
	2660.	652.	1725.					
	0.0	219.	253.					
	0.0	2.98	6.81					
	0.052	0.065	0.055					
	1814.30	60.	60.					
	652.	283.	1725.					
	219.	130.	253.					
	2.98	2.18	6.81					
	0.065	0.065	0.055					
	60.	60.	60.					
	2660.	652.	1725.					
	0.0	219.	253.					
	0.0	2.98	6.81					
	0.052	0.065	0.055					
	1814.30	60.	60.					
	652.	283.	1725.					
	219.	130.	253.					
	2.98	2.18	6.81					
	0.065	0.065	0.055					
	60.	60.	60.					
	2660.	652.	1725.					
	0.0	219.	253.					
	0.0	2.98	6.81					
	0.052	0.065	0.055					
	1814.30	60.	60.					
	652.	283.	1725.					
	219.	130.	253.					
	2.98	2.18	6.81					
	0.065	0.065	0.055					
	60.	60.	60.					
	2660.	652.	1725.					
	0.0	219.	253.					
	0.0	2.98	6.81					
	0.052	0.065	0.055					
	1814.30	60.	60.					
	652.	283.	1725.					
	219.	130.	253.					
	2.98	2.18	6.81					
	0.065	0.065	0.055					
	60.	60.	60.					
	2660.	652.	1725.					
	0.0	219.	253.					
	0.0	2.98	6.81					
	0.052	0.065	0.055					
	1814.30	60.	60.					
	652.	283.	1725.					
	219.	130.	253.					
	2.98	2.18	6.81					
	0.065	0.065	0.055					
	60.	60.	60.					
	2660.	652.	1725.					
	0.0	219.	253.					
	0.0	2.98	6.81					
	0.052	0.065	0.055					
	1814.30	60.	60.					
	652.	283.	1725.					
	219.	130.	253.					
	2.98	2.18	6.81					
	0.065	0.065	0.055					
	60.	60.	60.					
	2660.	652.	1725.					
	0.0	219.	253.					
	0.0	2.98	6.81					
	0.052	0.065	0.055					
	1814.30	60.	60.					
	652.	283.	1725.					
	219.	130.	253.					
	2.98	2.18	6.81					
	0.065	0.065	0.055					
	60.	60.	60.					
	2660.	652.	1725.					
	0.0	219.	253.					
	0.0	2.98	6.81					
	0.052	0.065	0.055					
	1814.30	60.	60.					
	652.	283.	1725.					
	219.	130.	253.					
	2.98	2.18	6.81					
	0.065	0.065	0.055					
	60.	60.	60.					
	2660.	652.	1725.					
	0.0	219.	253.					
	0.0	2.98	6.81					
	0.052	0.065	0.055					
	1814.30	60.	60.					
	652.	283.	1725.					
	219.	130.	253.					
	2.98	2.18	6.81					
	0.065	0.065	0.055					
	60.	60.	60.					
	2660.	652.	1725.					
	0.0	219.	253.					
	0.0	2.98	6.81					
	0.052	0.065	0.055					
	1814.30	60.	60.					
	652.	283.	1725.					
	219.	130.	253.					
	2.98	2.18	6.81					
	0.065	0.065	0.055					
	60.	60.	60.					
	2660.	652.	1725.					

101

SLOPE	WTN ELMIN	XNL XLOBL	XNCH XLCH	XNR XLOBR	OLOSS WSDL	CORAR WSDR	SSTA ENDST	VOL
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PRESSURE AND WEIR FLOW

EGPRS 1834.29	EGLWC 1825.83	H3 0.00	QWEIR 1432.	QPR 1253.	BAREA 140.	TAREA 125.	ELLC 1823.60	
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ELTRD 1823.80								
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0.72	2660.	870.	1294.	496.	0.17	2	261.	
1827.15	0.0	396.	308.	312.	-0.34	0	1821.30	
12.85	0.0	2.20	4.20	1.59	1.48	1827.31	1822.00	
0.001355	0.052	0.065	0.055	0.065	0.0	-0.00	97.40	
	1814.30	15.	15.	15.	118.	143.	358.40	42.

*SECNO .720

0.72	2660.	795.	1456.	409.	0.26	2	232.	
1827.17	0.0	317.	285.	225.	0.09	0	1822.10	
12.07	0.0	2.51	5.12	1.82	0.07	1827.43	1822.80	
0.002231	0.052	0.065	0.055	0.065	0.05	-0.00	101.19	
	1815.10	40.	40.	40.	114.	118.	332.85	43.

CCHV= 0.300 CEHV= 0.800

*SECNO .740

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

0.74	2660.	443.	2064.	152.	1.14	0	157.	
1827.29	0.0	116.	216.	52.	0.88	0	1824.50	
9.79	0.0	3.81	9.54	2.95	0.30	1828.43	1825.20	
0.011181	0.052	0.055	0.055	0.055	0.71	-0.00	122.25	
	1817.50	70.	70.	70.	93.	64.	279.33	44.

*SECNO .740

0.74	2660.	0.	2660.	0.	0.68	3	61.	
1828.34	0.0	0.	402.	0.	-0.46	0	1832.70	
10.84	0.0	0.0	6.62	0.0	0.45	1829.02	1832.70	
0.005395	0.052	0.055	0.055	0.055	0.14	-0.00	546.94	
	1817.50	60.	60.	60.	30.	31.	607.81	45.

*SECNO .740

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1837.10 MAX ELLC= 1835.20

0.74	2660.	0.	2660.	0.	0.73	1	59.	
1828.34	0.0	0.	389.	0.	0.05	0	1832.70	
10.84	0.0	0.0	6.84	0.0	0.01	1829.07	1832.70	
0.009874	0.052	0.055	0.055	0.055	0.04	-0.00	546.94	

J01

1817.50 1. 1. 1. 30. 31. 607.82 45.

*SECNO .760

*** GR CARDS REPEATED

3265 DIVIDED FLOW

JUNALUSKA CREEK		100 YEAR FLOOD			05/02/81		TOPWID		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	IDC	BANK ELEV	
ELEV	CRISW	ALOB	ACH	AROB	DHV	EG	CORAR	LEFT/RIGHT	
DEPTH	WSELK	VLOB	VCH	VROB	HL	WSDR	WSDR	SSTA	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	WSDL	WSDR	ENDST	VOL
	ELMIN	XLOBL	XLCH	XLOBR					

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1837.10 MAX ELLC= 1837.70

0.76	2660.	0.	2660.	0.	1.03	2	53.		
1829.73	0.0	0.	326.	0.	0.31	0	1835.20		
9.73	0.0	0.0	8.15	0.0	1.45	1830.76	1835.20		
0.015039	0.052	0.055	0.055	0.055	0.24	-0.00	549.60		
	1820.00	120.	120.	120.	27.	28.	604.40		46.

*SECNO .760

0.76	2660.	0.	2660.	0.	0.92	2	56.		
1829.89	0.0	0.	346.	0.	-0.12	0	1835.20		
9.89	0.0	0.0	7.68	0.0	0.01	1830.80	1835.20		
0.007846	0.052	0.065	0.055	0.065	0.04	-0.00	549.21		
	1820.00	1.	1.	1.	27.	28.	604.74		46.

*SECNO .760

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

0.76	2660.	1.	2659.	0.	1.48	2	66.		
1830.23	0.0	1.	272.	0.	0.57	0	1831.10		
10.23	0.0	0.73	9.77	0.0	0.46	1831.71	1831.00		
0.018067	0.052	0.065	0.055	0.065	0.45	-0.00	457.68		
	1820.00	40.	40.	40.	69.	26.	552.62		46.

CCHV= 0.100 CEHV= 0.500

*SECNO .860

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

0.86	2650.	348.	1108.	1194.	0.36	2	426.		
1840.36	0.0	151.	166.	402.	-1.12	0	1839.70		
5.96	0.0	2.30	6.68	2.97	8.90	1840.73	1840.40		
0.011347	0.052	0.080	0.055	0.075	0.11	-0.00	696.07		

K01

1834.40 630. 630. 630. 156. 286. 1138.43 53.

*SECNO .900

*** GR CARDS REPEATED

3265 DIVIDED FLOW

JUNALUSKA CREEK		100 YEAR FLOOD			05/02/81		TOPWID	
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	BANK ELEV	
ELEV	CRISWS	ALOB	ACH	AROB	DHV	IDC	LEFT/RIGHT	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	SSTA	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	ENDST	VOL
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR		

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

0.90	2650.	300.	1271.	1079.	0.62	20	411.	
1845.22	1845.22	106.	151.	317.	0.25	10	1844.90	
5.62	0.0	2.83	8.42	3.41	3.10	1845.84	1845.60	
0.020008	0.052	0.080	0.055	0.075	0.13	-0.00	705.96	
	1839.60	210.	210.	210.	147.	285.	1137.46	56.

L01

THIS RUN EXECUTED 05/02/81 8:17:48

HEC2 RELEASE DATED NOV 76 UPDATED JULY1979
ERROR CORR - 01 02 03
MODIFICATION - 50,51,52,53,54

T1	ANDREWS NC LFS	JUNALUF	765
T2	100 YEAR FLOODWAY	MARCH 1981 BCH	770
T3	JUNALUSKA CREEK	100 YEAR FLOODWAY	775

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ	
	0.	7.	0.	0.	0.0	0.	0.0	2700.	1787.36	0.0	780

J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE	
	15.	0.	-1.	0.	0.	0.0	0.0	0.	0.	0.	785

*PROF 2

CCHV= 0.100 CEHV= 0.500

*SECNO .020

JUNALUSKA CREEK		100 YEAR FLOODWA			05/02/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELY	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=	200.0	280.0	TYPE=	1	TARGET=	80.000		
0.02	2700.	0.	2700.	0.	0.50	0	80.	
1787.36	0.0	0.	477.	0.	0.50	0	1784.90	
7.16	1786.36	0.0	5.66	0.0	0.0	1787.86	100000.00	
0.003730	0.0	0.060	0.050	0.055	0.0	-0.00	200.00	
	1780.20	0.	0.	0.	40.	40.	280.00	0.

*SECNO .020

*** GR CARDS REPEATED

3470 ENCROACHMENT STATIONS= 200.0 280.0 TYPE= 1 TARGET= 80.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1788.10 ELREA= 1788.60

0.02	2700.	0.	2700.	0.	0.46	2	80.	
1787.57	0.0	0.	493.	0.	-0.03	0	1784.90	
7.37	1786.58	0.0	5.47	0.0	0.17	1788.03	100000.00	
0.003210	0.049	0.060	0.050	0.055	0.00	-0.00	200.00	
	1780.20	50.	50.	50.	40.	40.	280.00	1.

*SECNO .020

3700. BRIDGE STENCL= 200.00 STENCR= 280.00

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1789.10 MAX ELLC= 1786.30

3470 ENCROACHMENT STATIONS= 200.0 280.0 TYPE= 1 TARGET= 80.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1788.10 ELREA= 1788.60

0.02	2700.	0.	2700.	0.	0.59	9	80.	
1787.51	0.0	0.	438.	0.	0.13	0	1789.10	
7.31	1786.49	0.0	6.16	0.0	0.01	1788.10	100000.00	
0.013082	0.048	0.060	0.050	0.055	0.06	-17.79	200.00	
	1780.20	1.	1.	1.	40.	40.	280.00	1.

*SECNO .020

*** GR CARDS REPEATED

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1789.10 MAX ELLC= 1786.30

A02

3470 ENCROACHMENT STATIONS= 200.0 280.0 TYPE= 1 TARGET= 80.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 1789.10 ELREA= 1789.60

0.02	2700.	0.	2700.	0.	0.57	2	80.
1787.65	0.0	0.	445.	0.	-0.02	0	1789.10
7.45	1786.77	0.0	6.07	0.0	0.12	1788.22	100000.00
0.010335	0.047	0.055	0.045	0.050	0.00	-22.00	200.00
	1780.20	10.	10.	10.	40.	40.	280.00

*SECNO .020

JUNALUSKA CREEK

100 YEAR FLOODWA

05/02/81

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

3470 ENCROACHMENT STATIONS= 200.0 280.0 TYPE= 1 TARGET= 80.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 1789.10 ELREA= 1789.60

0.02	2700.	0.	2700.	0.	0.43	2	80.
1787.81	0.0	0.	513.	0.	-0.14	0	1784.90
7.61	1787.13	0.0	5.27	0.0	0.00	1788.24	100000.00
0.002300	0.046	0.055	0.045	0.050	0.01	-0.00	200.00
	1780.20	1.	1.	1.	40.	40.	280.00

*SECNO .020

*** GR CARDS REPEATED

3470 ENCROACHMENT STATIONS= 200.0 280.0 TYPE= 1 TARGET= 80.000

0.02	2700.	0.	2700.	0.	0.42	2	80.
1787.86	0.0	0.	517.	0.	-0.01	0	1784.90
7.66	1787.44	0.0	5.22	0.0	0.05	1788.28	100000.00
0.002344	0.045	0.055	0.045	0.050	0.00	-0.00	200.00
	1780.20	20.	20.	20.	40.	40.	280.00

*SECNO .040

3470 ENCROACHMENT STATIONS= 85.0 175.0 TYPE= 1 TARGET= 90.000

0.04	2700.	243.	2056.	401.	0.81	2	90.
1788.08	0.0	60.	260.	88.	0.39	0	1784.50
7.28	1787.68	4.07	7.91	4.57	0.42	1788.89	1784.50
0.005651	0.045	0.055	0.045	0.050	0.19	-0.00	85.00
	1780.80	120.	120.	120.	41.	49.	175.00

*SECNO .200

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 88.0 178.0 TYPE= 1 TARGET= 90.000

0.20	2690.	93.	2433.	164.	1.43	2	90.
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B02

1792.73	0.0	23.	243.	55.	0.61	0	1789.30	
7.13	1792.47	3.97	10.02	2.96	4.95	1794.15	1791.10	
0.008822	0.045	0.060	0.045	0.055	0.31	-0.00	88.00	
	1785.60	710.	710.	710.	28.	62.	178.00	8.

*SECNO .250

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=	88.0	178.0	TYPE=	1	TARGET=	90.000		
0.25	2690.	104.	2286.	300.	0.90	2	90.	
1794.96	0.0	31.	280.	96.	-0.52	0	1790.60	
8.06	1794.04	3.36	8.17	3.13	1.67	1795.87	1792.40	
0.004865	0.045	0.060	0.045	0.055	0.05	-0.00	88.00	
	1786.90	260.	260.	260.	28.	62.	178.00	10.

*SECNO .450

JUNALUSKA CREEK		100 YEAR FLOODWA		05/02/81				
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

3470 ENCROACHMENT STATIONS=	550.0	620.0	TYPE=	1	TARGET=	70.000		
0.45	2680.	27.	2600.	53.	1.21	2	70.	
1802.10	0.0	9.	291.	19.	0.30	0	1800.50	
7.90	1801.36	2.90	8.94	2.77	7.29	1803.31	1800.50	
0.011534	0.050	0.060	0.055	0.070	0.15	-0.00	550.00	
	1794.20	1020.	1020.	1020.	32.	38.	620.00	19.

*SECNO .490

*** GR CARDS REPEATED

3470 ENCROACHMENT STATIONS=	550.0	620.0	TYPE=	1	TARGET=	70.000		
0.49	2670.	43.	2545.	82.	0.89	2	70.	
1804.27	0.0	15.	329.	29.	-0.32	0	1801.90	
8.67	1804.34	2.96	7.74	2.81	1.82	1805.16	1801.90	
0.007324	0.050	0.060	0.055	0.070	0.03	-0.00	550.00	
	1795.60	200.	200.	200.	32.	38.	620.00	20.

*SECNO .570

3301 HV CHANGED MORE THAN HVINS

JUNALUSKA CREEK		100 YEAR FLOODWA		05/02/81				
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

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=	442.0	482.0	TYPE=	1	TARGET=	40.000		
0.57	2670.	3.	2665.	2.	2.71	3	40.	
1810.54	810.54	1.	202.	1.	1.81	15	1809.70	
7.34	1811.13	2.59	13.21	2.24	7.04	1813.24	1809.60	
0.029417	0.051	0.060	0.055	0.070	0.91	0.0	442.00	
	1803.20	540.	540.	540.	21.	19.	482.00	24.

*SECNO .720

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=	175.0	245.0	TYPE=	1	TARGET=	70.000		
0.72	2660.	282.	2272.	105.	1.46	5	70.	
1824.21	0.0	62.	220.	28.	-1.25	0	1821.30	
9.91	1824.15	4.52	10.33	3.71	12.30	1825.67	1822.00	
0.012836	0.052	0.065	0.055	0.065	0.12	-0.00	175.00	
	1814.30	660.	660.	660.	40.	30.	245.00	28.

*SECNO .720

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=	175.0	245.0	TYPE=	1	TARGET=	70.000		
0.72	2660.	377.	2120.	163.	0.91	2	70.	
1825.36	0.0	91.	254.	46.	-0.55	0	1821.30	
11.06	1825.32	4.14	8.33	3.56	0.55	1826.27	1822.00	
0.006881	0.052	0.065	0.055	0.065	0.05	-0.00	175.00	
	1814.30	60.	60.	60.	40.	30.	245.00	28.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	15.00	0.01	140.00	0.82
	ELCHU	ELCHD						
	1817.40	1817.40						

*SECNO .720

3700. BRIDGE STENCL= 165.00 STENCR= 255.00

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

JUNALUSKA CREEK			100 YEAR FLOODWA	05/02/81			
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

D02

ELMIN XLOBL XLCH XLOBR WSDL WSDR ENDST VOL

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
1834.33	1826.27	0.00	1121.	1551.	140.	125.	1823.60
ELTRD							
1823.80							

3470 ENCROACHMENT STATIONS=	165.0	255.0	TYPE=	1	TARGET=	90.000	
0.72	2660.	626.	1670.	364.	0.28	2	90.
1828.13	0.0	219.	337.	140.	-0.63	0	1821.30
13.83	1827.15	2.86	4.95	2.60	2.14	1828.41	1822.00
0.001667	0.052	0.065	0.055	0.065	0.0	-0.00	165.00
	1814.30	15.	15.	15.	50.	40.	255.00
							29.

*SECNO .720

3470 ENCROACHMENT STATIONS=	165.0	255.0	TYPE=	1	TARGET=	90.000	
0.72	2660.	594.	1729.	338.	0.35	2	90.
1828.17	0.0	192.	315.	121.	0.07	0	1822.10
13.07	1827.17	3.09	5.49	2.79	0.08	1828.52	1822.80
0.002253	0.052	0.065	0.055	0.065	0.03	-0.00	165.00
	1815.10	40.	40.	40.	50.	40.	255.00
							29.

CCHV= 0.300 CEHV= 0.800

*SECNO .740

*** GR CARDS REPEATED

3470 ENCROACHMENT STATIONS=	165.0	255.0	TYPE=	1	TARGET=	90.000	
0.74	2660.	503.	1911.	247.	0.74	2	90.
1828.34	0.0	114.	248.	65.	0.39	0	1824.50
10.84	1827.29	4.41	7.72	3.79	0.24	1829.08	1825.20
0.006115	0.052	0.055	0.055	0.055	0.31	-0.00	165.00
	1817.50	70.	70.	70.	50.	40.	255.00
							30.

*SECNO .740

3470 ENCROACHMENT STATIONS=	532.0	622.0	TYPE=	1	TARGET=	90.000	
0.74	2660.	0.	2660.	0.	0.58	2	64.
1828.85	0.0	0.	434.	0.	-0.16	0	1832.70
11.35	1828.34	0.0	6.13	0.0	0.31	1829.44	1832.70
0.004449	0.052	0.055	0.055	0.055	0.05	-0.00	545.73
	1817.50	60.	60.	60.	31.	33.	609.51
							31.

*SECNO .740

3700. BRIDGE STENCL= 532.00 STENCR= 622.00

3265 DIVIDED FLOW

3370 NORMAL BRIDGE,NRD= 4 MIN ELTRD= 1837.10 MAX ELLC= 1835.20

3470 ENCROACHMENT STATIONS=		532.0	622.0	TYPE=	1	TARGET=	90.000	
0.74	2660.	0.	2660.	0.	0.63	10	62.	
1828.85	0.0	0.	419.	0.	0.04	0	1832.70	
11.35	1828.34	0.0	6.35	0.0	0.01	1829.47	1832.70	
0.008230	0.052	0.055	0.055	0.055	0.03	-0.00	545.74	
	1817.50	1.	1.	1.	31.	33.	609.50	31.

*SECNO .760

*** GR CARDS REPEATED

3265 DIVIDED FLOW

JUNALUSKA CREEK		100 YEAR FLOODWA			05/02/81			
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

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1837.10 MAX ELLC= 1837.70

3470 ENCROACHMENT STATIONS=		532.0	622.0	TYPE=	1	TARGET=	90.000	
0.76	2660.	0.	2660.	0.	0.94	2	54.	
1830.03	0.0	0.	342.	0.	0.31	0	1835.20	
10.03	1829.73	0.0	7.77	0.0	1.24	1830.96	1835.20	
0.013367	0.052	0.055	0.055	0.055	0.25	-0.00	548.89	
	1820.00	120.	120.	120.	28.	29.	605.09	32.

*SECNO .760

3470 ENCROACHMENT STATIONS=		532.0	622.0	TYPE=	1	TARGET=	90.000	
0.76	2660.	0.	2660.	0.	0.84	2	57.	
1830.17	0.0	0.	362.	0.	-0.10	0	1835.20	
10.17	1829.89	0.0	7.35	0.0	0.01	1831.00	1835.20	
0.007019	0.052	0.065	0.055	0.065	0.03	-0.00	548.56	
	1820.00	1.	1.	1.	28.	29.	605.55	32.

*SECNO .760

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=		469.0	559.0	TYPE=	1	TARGET=	90.000	
0.76	2660.	0.	2660.	0.	1.34	2	64.	
1830.47	0.0	1.	286.	0.	0.50	0	1831.10	
10.47	1830.23	0.59	9.30	0.0	0.41	1831.81	1831.00	
0.016035	0.052	0.065	0.055	0.065	0.40	-0.00	469.00	
	1820.00	40.	40.	40.	58.	28.	554.30	32.

CCHV= 0.100 CEHV= 0.500
 *SECNO .860

3470 ENCROACHMENT STATIONS=			830.0	940.0	TYPE=	1	TARGET=	110.000	
0.86	2650.	3.	2033.	614.	1.22	5	110.		
1841.34	0.0	2.	207.	137.	-0.13	0	1839.70		
6.94	1840.36	1.82	9.80	4.48	10.73	1842.56	1840.40		
0.018129	0.052	0.080	0.055	0.075	0.01	-0.00	830.00		
	1834.40	630.	630.	630.	23.	87.	940.00		37.

*SECNO .900

*** GR CARDS REPEATED
 JUNALUSKA CREEK

100 YEAR FLOODWA 05/02/81

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

7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=			330.0	940.0	TYPE=	1	TARGET=	110.000	
0.90	2650.	3.	2093.	555.	1.50	3	110.		
1846.23	1846.23	1.	194.	117.	0.28	11	1844.90		
6.63	1845.22	1.98	10.78	4.76	4.36	1847.73	1845.60		
0.023971	0.052	0.080	0.055	0.075	0.14	-0.00	830.00		
	1839.60	210.	210.	210.	23.	87.	940.00		38.

THIS RUN EXECUTED 05/02/81 8:17:49

 HEC2 RELEASE DATED NOV 76 UPDATED JULY1979
 ERROR CORR - 01,02,03
 MODIFICATION - 50,51,52,53,54

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

JUNALUSKA CREEK

SUMMARY PRINTOUT TABLE 110

SECNO	CWSEL	DIFKWS	EG	TOPWID	PERENC	STENCL	STENCR	STCHL	STCHR	QLOB	QCH	QROB
0.020	1786.36	0.36	1786.92	171.	0.	0.	0.	200.	280.	26.	2472.	202.
0.020	1787.36	1.00	1787.86	80.	90.	200.	280.	200.	280.	0.	2700.	0.
0.020	1786.58	0.0	1787.24	80.	0.	0.	0.	200.	280.	0.	2700.	0.
0.020	1787.57	0.99	1788.03	80.	80.	200.	280.	200.	280.	0.	2700.	0.
0.020	1786.49	0.0	1787.35	75.	0.	0.	0.	200.	280.	0.	2700.	0.
0.020	1787.51	1.02	1788.10	80.	80.	200.	280.	200.	280.	0.	2700.	0.
0.020	1786.77	0.0	1787.63	75.	0.	0.	0.	200.	280.	0.	2700.	0.
0.020	1787.65	0.88	1788.22	80.	80.	200.	280.	200.	280.	0.	2700.	0.
0.020	1787.13	0.0	1787.67	80.	0.	0.	0.	200.	280.	0.	2700.	0.
0.020	1787.81	0.67	1788.24	80.	80.	200.	280.	200.	280.	0.	2700.	0.
0.020	1787.44	0.0	1787.74	211.	0.	0.	0.	200.	280.	80.	2275.	345.
0.020	1787.86	0.42	1788.28	80.	80.	200.	280.	200.	280.	0.	2700.	0.
0.040	1787.68	0.0	1788.18	268.	0.	0.	0.	103.	148.	380.	1658.	662.
0.040	1788.08	0.41	1788.89	90.	90.	85.	175.	103.	148.	243.	2056.	401.
* 0.200	1792.47	0.0	1793.20	470.	0.	0.	0.	96.	135.	106.	1888.	697.
0.200	1792.73	0.26	1794.15	90.	90.	88.	178.	96.	135.	93.	2433.	164.
0.250	1794.04	0.0	1794.53	503.	0.	0.	0.	96.	135.	110.	1691.	889.
0.250	1794.96	0.92	1795.87	90.	90.	88.	178.	96.	135.	104.	2286.	300.
0.450	1801.36	0.0	1803.02	104.	0.	0.	0.	557.	607.	8.	2641.	31.
0.450	1802.10	0.74	1803.31	70.	70.	550.	620.	557.	607.	27.	2600.	53.
0.490	1804.34	0.0	1804.85	491.	0.	0.	0.	557.	607.	284.	2120.	265.
0.490	1804.27	-0.08	1805.16	70.	70.	550.	620.	557.	607.	43.	2545.	82.
* 0.570	1811.13	0.0	1813.14	95.	0.	0.	0.	444.	481.	52.	2586.	33.
* 0.570	1810.54	-0.59	1813.24	40.	40.	442.	482.	444.	481.	3.	2665.	2.
* 0.720	1824.15	0.0	1825.35	159.	0.	0.	0.	200.	230.	402.	2118.	140.
0.720	1824.21	0.06	1825.67	70.	70.	175.	245.	200.	230.	282.	2272.	105.

H02

SECNO	CWSEL	DIFKWS	EG	TOPWID	PERENC	STENCL	STENCR	STCHL	STCHR	QLOB	QCH	QROB
0.720	1825.32	0.0	1825.83	197.	0.	0.	0.	200.	230.	652.	1725.	283.
0.720	1825.36	0.04	1826.27	70.	70.	175.	245.	200.	230.	377.	2120.	163.
0.720	1827.15	0.0	1827.31	261.	0.	0.	0.	200.	230.	870.	1294.	496.
0.720	1828.13	0.98	1828.41	90.	90.	165.	255.	200.	230.	626.	1670.	364.
0.720	1827.17	0.0	1827.43	232.	0.	0.	0.	200.	230.	795.	1456.	409.
0.720	1828.17	1.00	1828.52	90.	90.	165.	255.	200.	230.	594.	1729.	338.
0.740	1827.29	0.0	1828.43	157.	0.	0.	0.	200.	230.	443.	2064.	152.
0.740	1828.34	1.04	1829.08	90.	90.	165.	255.	200.	230.	503.	1911.	247.
0.740	1828.34	0.0	1829.02	61.	0.	0.	0.	533.	620.	0.	2660.	0.
0.740	1828.85	0.51	1829.44	64.	90.	532.	622.	533.	620.	0.	2660.	0.
0.740	1828.34	0.0	1829.07	59.	0.	0.	0.	533.	620.	0.	2660.	0.
0.740	1828.85	0.51	1829.47	62.	90.	532.	622.	533.	620.	0.	2660.	0.
0.760	1829.73	0.0	1830.76	53.	0.	0.	0.	533.	620.	0.	2660.	0.
0.760	1830.03	0.30	1830.96	54.	90.	532.	622.	533.	620.	0.	2660.	0.
0.760	1829.89	0.0	1830.80	56.	0.	0.	0.	533.	620.	0.	2660.	0.
0.760	1830.17	0.28	1831.00	57.	90.	532.	622.	533.	620.	0.	2660.	0.
0.760	1830.23	0.0	1831.71	66.	0.	0.	0.	495.	558.	1.	2659.	0.
0.760	1830.47	0.24	1831.81	64.	90.	469.	559.	495.	558.	0.	2660.	0.
0.860	1840.36	0.0	1840.73	426.	0.	0.	0.	831.	874.	348.	1108.	1194.
0.860	1841.34	0.97	1842.56	110.	110.	830.	940.	831.	874.	3.	2033.	614.
*	0.900	1845.22	0.0	1845.84	411.	0.	0.	831.	874.	300.	1271.	1079.
*	0.900	1846.23	1.00	1847.73	110.	110.	830.	940.	831.	3.	2093.	555.

SUMMARY OF ERRORS

CAUTION SECNO= 0.200 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.570 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.570 PROFILE= 1

PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.570 PROFILE= 1

20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.570 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.720 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.900 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.900 PROFILE= 1

PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.900 PROFILE= 1

20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.900 PROFILE= 2 CRITICAL DEPTH ASSUMED

FLOODWAY DATA JUNALUSKA CREEK
 PROFILE NO. 2

STATION	WIDTH (FT)	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
		SECTION AREA	AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
0.020	80.	477.		5.7	1787.4	1786.4	1.0
0.020	80.	493.		5.5	1787.6	1786.6	1.0
0.020	80.	438.		6.2	1787.5	1786.5	1.0
0.020	80.	445.		6.1	1787.6	1786.8	0.8
0.020	80.	513.		5.3	1787.8	1787.1	0.7
0.020	80.	517.		5.2	1787.9	1787.4	0.5
0.040	90.	407.		6.6	1788.1	1787.7	0.4
0.200	90.	322.		8.4	1792.7	1792.5	0.2
0.250	90.	407.		6.6	1795.0	1794.0	1.0
0.450	70.	319.		8.4	1802.1	1801.4	0.7
0.490	70.	373.		7.2	1804.3	1804.3	0.0
0.570	40.	204.		13.1	1811.1	1811.1	0.0
0.720	70.	311.		8.6	1824.2	1824.1	0.1
0.720	70.	391.		6.8	1825.4	1825.3	0.1
0.720	90.	696.		3.8	1828.1	1827.1	1.0
0.720	90.	628.		4.2	1828.2	1827.2	1.0
0.740	90.	427.		6.2	1828.3	1827.3	1.0
0.740	90.	434.		6.1	1828.9	1828.3	0.6
0.740	90.	419.		6.3	1828.8	1828.3	0.5
0.760	90.	342.		7.8	1830.0	1829.7	0.3
0.760	90.	362.		7.3	1830.2	1829.9	0.3
0.860	90.	287.		9.3	1830.5	1830.2	0.3
0.860	110.	346.		7.7	1841.3	1840.4	0.9
0.900	110.	312.		8.5	1846.2	1845.2	1.0

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