

THIS RUN EXECUTED 05/02/81 8:17:07

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

T1	ANDREWS NC LFS											5
T2	100 YEAR FLOOD											10
T3	VALLEY RIVER											15
J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ		
	0.	4.	0.	0.	0.00266	0.	0.0	9890.	1659.00	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	0.070	0.060	0.050	0.1	0.5							35
QT	6.	5560.	8480.	9890.	13580.	35000.	9890.	0.	0.	0.		40
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	680.00	1240.00	0.0		45
X1	15.14	38.	684.	758.	0.	0.	0.	0.0	0.0	0.		50
GR	1676.4	0.	1673.2	70.	1670.9	161.	1669.5	240.	1670.3	298.		55
GR	1671.1	367.	1668.7	448.	1665.2	544.	1664.4	599.	1660.3	643.		60
GR	1658.4	675.	1653.0	684.	1650.6	688.	1648.4	689.	1648.4	741.		65
GR	1650.6	742.	1652.9	758.	1654.2	828.	1658.0	844.	1657.8	877.		70
GR	1658.1	946.	1658.2	1088.	1657.9	1234.	1657.5	1343.	1657.0	1501.		75
GR	1657.3	1642.	1658.9	1779.	1657.5	1884.	1657.5	1925.	1668.0	2000.		80
GR	1668.0	3195.	1668.0	3234.	1668.0	3252.	1666.4	3275.	1669.1	3404.		85
GR	1672.9	3539.	1674.9	3637.	1676.8	3728.	0.0	0.	0.0	0.		90
NC	0.065	0.060	0.050	0.0	0.0							95
QT	6.	5460.	8330.	9720.	13350.	34420.	9720.	0.	0.	0.		100
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	590.00	1290.00	0.0		105
X1	15.57	43.	912.	997.	1340.	1340.	1340.	0.0	0.0	0.		110
GR	1681.5	0.	1674.8	56.	1672.3	79.	1663.0	123.	1663.0	139.		115
GR	1663.0	150.	1663.0	159.	1663.0	175.	1663.8	179.	1662.0	257.		120
GR	1663.7	368.	1662.7	535.	1662.5	649.	1662.9	757.	1664.5	861.		125
GR	1665.6	908.	1663.8	912.	1657.4	926.	1656.3	927.	1656.3	974.		130
GR	1657.4	976.	1663.9	997.	1664.2	1054.	1662.6	1152.	1663.4	1222.		135
GR	1658.4	1239.	1659.0	1267.	1665.4	1285.	1661.9	1297.	1662.5	1400.		140
GR	1663.3	1520.	1662.5	1608.	1663.9	1663.	1663.0	1673.	1663.0	1690.		145
GR	1671.0	1732.	1672.6	1764.	1673.3	1797.	1671.4	1807.	1674.1	1827.		150
GR	1674.6	1850.	1674.6	2925.	1680.6	2991.	0.0	0.	0.0	0.		155
NC	0.080	0.070	0.050	0.0	0.0							160
QT	6.	5350.	8170.	9530.	13100.	33790.	9530.	0.	0.	0.		165
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	160.00	780.00	0.0		170

B01

X1	16.02	33.	408.	482.	1990.	1990.	1990.	0.0	0.0	0.	175
GR	1688.7	0.	1681.6	35.	1660.4	93.	1666.5	158.	1666.2	244.	180
GR	1667.8	340.	1669.6	394.	1670.7	408.	1662.0	422.	1660.2	423.	185
GR	1660.2	439.	1660.2	452.	1662.0	453.	1670.0	482.	1668.0	546.	190
GR	1668.9	634.	1668.8	736.	1668.9	858.	1669.9	991.	1668.9	1133.	195
GR	1669.0	1241.	1669.3	1256.	1675.4	1298.	1679.2	1326.	1679.1	1349.	200
GR	1677.9	1357.	1678.1	1365.	1679.2	1379.	1680.0	1414.	1680.0	2650.	205
GR	1681.1	2686.	1680.3	2698.	1683.6	2710.	0.0	0.	0.0	0.	210
QT	6.	5330.	8150.	9510.	13080.	33720.	9510.	0.	0.	0.	215
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	160.00	780.00	0.0	220

X1	16.08	0.	0.	0.	320.	320.	320.	0.0	2.00	0.	225
NC	0.070	0.070	0.055	0.0	0.0						230
QT	6.	5310.	8110.	9460.	13010.	33560.	9460.	0.	0.	0.	235
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	160.00	780.00	0.0	240

X1	16.20	0.	0.	0.	640.	640.	640.	0.0	4.20	0.	245
QT	6.	5220.	7980.	9310.	12820.	33060.	9310.	0.	0.	0.	250
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	560.00	940.00	0.0	255

X1	16.57	32.	711.	810.	2050.	2050.	2050.	0.0	0.0	0.	260
GR	1698.4	0.	1690.1	60.	1683.2	88.	1688.4	110.	1688.5	117.	265
GR	1682.3	146.	1682.5	252.	1681.3	338.	1684.8	348.	1679.9	360.	270
GR	1680.1	366.	1680.2	375.	1680.6	475.	1680.5	591.	1679.7	673.	275
GR	1680.5	711.	1672.3	734.	1670.2	735.	1670.3	770.	1672.3	770.	280
GR	1680.0	810.	1684.1	816.	1679.7	838.	1679.7	912.	1680.8	966.	285
GR	1678.9	995.	1679.2	1008.	1685.8	1028.	1689.6	1074.	1689.6	3025.	290
GR	1691.6	3060.	1698.0	3094.	0.0	0.	0.0	0.	0.0	0.	295
NC	0.090	0.060	0.055	0.0	0.0						300
QT	6.	5110.	7820.	9130.	12590.	32480.	9130.	0.	0.	0.	305
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	540.00	890.00	0.0	310

X1	17.00	28.	553.	641.	2340.	2340.	2340.	0.0	0.0	0.	315
GR	1705.8	0.	1702.6	101.	1698.9	206.	1691.5	338.	1689.2	471.	320
GR	1690.5	553.	1681.8	561.	1680.3	561.	1680.3	587.	1680.2	614.	325
GR	1681.8	616.	1688.5	641.	1687.1	684.	1682.1	700.	1682.6	722.	330
GR	1687.8	750.	1688.0	852.	1688.3	961.	1689.6	1103.	1690.4	1251.	335
GR	1689.7	1434.	1690.4	1574.	1690.6	1634.	1694.6	1687.	1700.1	1742.	340
GR	1700.1	3720.	1703.4	3752.	1704.3	3799.	0.0	0.	0.0	0.	345
QT	6.	5080.	7790.	9090.	12530.	32340.	9090.	0.	0.	0.	350
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	540.00	890.00	0.0	355

X1	17.10	0.	0.	0.	530.	530.	530.	0.0	2.40	0.	360
NC	0.075	0.065	0.055	0.0	0.0						365
QT	6.	5000.	7660.	8950.	12340.	31850.	8950.	0.	0.	0.	370
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	1290.00	1660.00	0.0	375

X1	17.46	52.	1529.	1619.	2170.	2170.	2170.	0.0	0.0	0.	380
GR	1707.2	45.	1704.0	81.	1702.2	135.	1702.2	385.	1701.0	407.	385
GR	1701.2	452.	1700.1	496.	1701.6	590.	1701.6	675.	1699.9	740.	390
GR	1699.6	799.	1699.9	856.	1700.3	928.	1699.7	990.	1700.2	1064.	395
GR	1698.1	1131.	1697.1	1143.	1697.3	1158.	1697.8	1174.	1696.9	1258.	400
GR	1697.5	1317.	1699.1	1379.	1699.1	1422.	1698.1	1464.	1698.7	1511.	405

C01

GR	1699.5	1529.	1691.8	1544.	1691.0	1545.	1690.9	1570.	1690.9	1501.	410
GR	1691.8	1602.	1700.4	1619.	1699.8	1645.	1699.4	1682.	1699.8	1723.	415
GR	1700.1	1758.	1699.7	1792.	1700.8	1826.	1699.9	1845.	1704.5	1860.	420
GR	1704.5	3485.	1704.5	3600.	1705.4	3624.	1705.4	3661.	1706.1	3720.	425
GR	1707.9	3784.	1713.3	3804.	1713.2	3826.	1710.2	3831.	1712.8	3838.	430
GR	1713.8	3885.	1717.6	3968.	0.0	0.	0.0	0.	0.0	0.	435
NC	0.065	0.075	0.055	0.0	0.0	0.	0.0	0.	0.0	0.	440
QT	6.	4940.	7570.	8840.	12200.	31500.	8840.	0.	0.	0.	445
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	2250.00	2550.00	0.0	450

X1	17.72	32.	2406.	2504.	1180.	1180.	1180.	0.0	0.0	0.	455
GR	1720.0	500.	1713.0	1500.	1709.1	2048.	1707.7	2086.	1705.7	2113.	460
GR	1705.0	2157.	1705.4	2203.	1705.7	2257.	1705.6	2302.	1706.4	2330.	465
GR	1711.2	2353.	1711.4	2359.	1704.6	2380.	1703.5	2406.	1695.3	2417.	470
GR	1694.4	2417.	1694.4	2433.	1694.4	2457.	1695.3	2457.	1701.3	2476.	475
GR	1706.9	2504.	1706.6	2567.	1706.9	2650.	1707.8	2740.	1708.1	2809.	480
GR	1708.4	2354.	1709.1	2892.	1713.0	2914.	1714.5	2933.	1715.1	2964.	485
GR	1715.1	4110.	1723.4	4154.	0.0	0.	0.0	0.	0.0	0.	490
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	2250.00	2550.00	0.0	495

X1	17.72	33.	2418.	2490.	100.	100.	100.	0.0	0.0	0.	500
GR	1714.7	1320.	1713.6	1620.	1712.4	1920.	1711.5	2220.	1701.4	2392.	505
GR	1700.7	2404.	1698.0	2404.	1697.0	2413.	1697.4	2418.	1695.7	2425.	510
GR	1694.8	2435.	1695.0	2445.	1694.4	2455.	1697.5	2472.	1697.9	2482.	515
GR	1697.8	2490.	1700.3	2497.	1700.3	2500.	1698.9	2505.	1700.1	2509.	520
GR	1700.3	2518.	1705.0	2530.	1706.6	2567.	1706.9	2650.	1707.8	2740.	525
GR	1708.1	2809.	1708.4	2854.	1709.1	2892.	1713.0	2914.	1714.5	2933.	530
GR	1715.1	2964.	1715.1	4110.	1723.4	4154.	0.0	0.	0.0	0.	535
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	2250.00	2550.00	0.0	540

X1	17.72	49.	2418.	2490.	1.	1.	1.	0.0	0.0	0.	545
BT	10.0	2392.0	1711.1	0.0	2392.0	1711.1	1708.6	2400.0	1711.1	1708.6	550
BT	2400.0	1711.1	1708.8	2414.0	1711.1	1708.8	2414.0	1714.3	1707.0	2496.0	555
BT	1714.3	1707.0	2496.0	1711.0	1708.3	2518.0	1711.0	1708.3	2530.0	1705.0	560
BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	565
GR	1714.7	1320.	1713.6	1620.	1712.4	1920.	1711.5	2320.	1711.1	2392.	570
GR	1701.4	2392.	1700.8	2400.	1708.8	2400.	1708.8	2401.	1700.8	2401.	575
GR	1700.7	2403.	1708.8	2403.	1708.8	2404.	1700.7	2404.	1698.0	2404.	580
GR	1697.0	2413.	1697.1	2414.	1707.0	2414.	1707.0	2418.	1697.4	2418.	585
GR	1695.7	2425.	1697.8	2435.	1695.0	2445.	1694.4	2455.	1697.5	2472.	590
GR	1697.9	2482.	1697.8	2490.	1707.0	2490.	1707.0	2496.	1700.3	2496.	595
GR	1700.3	2500.	1698.9	2505.	1700.1	2509.	1708.3	2509.	1708.3	2510.	600
GR	1700.1	2510.	1700.3	2518.	1705.0	2530.	1706.6	2567.	1706.9	2650.	605
GR	1707.8	2740.	1708.1	2809.	1708.4	2854.	1709.1	2892.	1713.0	2914.	610
GR	1714.5	2933.	1715.1	2964.	1715.1	4110.	1723.4	4154.	0.0	0.	615
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	2250.00	2550.00	0.0	620

X1	17.72	0.	0.	0.	18.	18.	18.	0.0	0.0	0.	625
X2	0.	0.0	0.	0.0	0.0	0.0	1.	0.0	0.0	0.	630
NC	0.065	0.070	0.055	0.0	0.0	0.0	0.	0.0	0.0	0.	635
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	2250.00	2550.00	0.0	640

X1	17.72	33.	2418.	2490.	1.	1.	1.	0.0	0.0	0.	645
GR	1714.7	1320.	1713.6	1620.	1712.4	1920.	1711.5	2220.	1701.4	2392.	650
GR	1700.7	2404.	1698.0	2404.	1697.0	2413.	1697.4	2418.	1695.7	2425.	655

D01

GR	1694.8	2435.	1695.0	2445.	1694.4	2455.	1697.5	2472.	1697.9	2482.	660
GR	1697.8	2490.	1700.3	2497.	1700.3	2500.	1698.9	2505.	1700.1	2509.	665
GR	1700.3	2518.	1705.0	2530.	1706.6	2567.	1706.9	2650.	1707.8	2740.	670
GR	1708.1	2809.	1708.4	2854.	1709.1	2892.	1713.0	2914.	1714.5	2933.	675
GR	1715.1	2964.	1715.1	4110.	1723.4	4154.	0.0	0.	0.0	0.	680
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	2250.00	2550.00	0.0	685

X1	17.72	32.	2406.	2504.	50.	400.	50.	0.0	0.0	0.	690
GR	1720.0	500.	1713.0	1500.	1709.1	2048.	1707.7	2086.	1705.7	2113.	695
GR	1705.0	2157.	1705.4	2203.	1705.7	2257.	1705.6	2302.	1706.4	2330.	700
GR	1711.2	2353.	1711.4	2359.	1704.6	2380.	1703.5	2406.	1695.3	2417.	705
GR	1694.4	2417.	1694.4	2433.	1694.4	2457.	1695.3	2457.	1701.3	2476.	710
GR	1706.9	2504.	1706.6	2567.	1706.9	2650.	1707.8	2740.	1708.1	2809.	715
GR	1708.4	2854.	1709.1	2892.	1713.0	2914.	1714.5	2933.	1715.1	2964.	720
GR	1715.1	4110.	1723.4	4154.	0.0	0.	0.0	0.	0.0	0.	725
NC	0.090	0.090	0.055	0.0	0.0						730
QT	6.	4900.	7510.	8770.	12110.	31300.	8770.	0.	0.	0.	735
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	2130.00	2370.00	0.0	740

X1	17.85	38.	2269.	2365.	570.	220.	570.	0.0	0.0	0.	745
GR	1725.0	850.	1720.0	850.	1718.3	850.	1717.9	878.	1715.5	910.	750
GR	1712.6	1476.	1712.0	1510.	1712.0	1690.	1712.0	1954.	1709.1	1970.	755
GR	1707.0	1994.	1707.0	2063.	1707.5	2107.	1707.0	2160.	1705.9	2198.	760
GR	1705.9	2254.	1704.5	2269.	1698.4	2277.	1696.0	2277.	1696.0	2304.	765
GR	1696.0	2348.	1705.0	2365.	1710.3	2378.	1710.7	2389.	1709.1	2393.	770
GR	1709.0	2426.	1715.3	2445.	1715.6	2452.	1726.2	2453.	1727.3	2478.	775
GR	1714.2	2485.	1714.2	2523.	1714.0	2530.	1714.0	2700.	1715.1	2710.	780
GR	1715.5	2734.	1715.5	3355.	1728.9	3429.	0.0	0.	0.0	0.	785
NC	0.085	0.070	0.055	0.0	0.0						790
QT	6.	4880.	7480.	8730.	12060.	31180.	8730.	0.	0.	0.	795
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	2130.00	2370.00	0.0	800

X1	17.93	0.	0.	0.	430.	430.	430.	0.0	2.70	0.	805
NC	0.100	0.080	0.055	0.0	0.0						810
QT	6.	4820.	7390.	8630.	11920.	30880.	8630.	0.	0.	0.	815
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	1920.00	2160.00	0.0	820

X1	18.13	39.	1951.	2048.	940.	940.	940.	0.0	0.0	0.	825
GR	1735.0	1000.	1720.2	1000.	1720.2	1200.	1720.2	1304.	1716.9	1311.	830
GR	1718.1	1322.	1717.9	1345.	1717.2	1405.	1718.0	1490.	1717.0	1581.	835
GR	1717.0	1619.	1717.0	1645.	1717.0	1720.	1717.0	1777.	1716.4	1796.	840
GR	1713.8	1816.	1713.1	1847.	1714.3	1886.	1712.2	1924.	1713.2	1951.	845
GR	1706.2	1956.	1705.2	1956.	1705.2	1993.	1705.2	2020.	1706.2	2020.	850
GR	1712.5	2048.	1711.9	2083.	1711.8	2158.	1713.4	2232.	1713.3	2292.	855
GR	1719.8	2319.	1719.9	2387.	1719.0	2420.	1719.0	2515.	1720.4	2540.	860
GR	1721.4	2567.	1721.4	2665.	1722.5	2670.	1730.5	2689.	0.0	0.	865
NC	0.080	0.075	0.055	0.0	0.0						870
QT	6.	4730.	7260.	8480.	11720.	30420.	8480.	0.	0.	0.	875
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	2673.00	2823.00	0.0	880

X1	18.43	25.	2717.	2818.	1720.	1720.	1720.	0.0	0.0	0.	885
GR	1745.0	1850.	1729.0	1850.	1729.0	2100.	1745.0	2100.	1745.0	2528.	890
GR	1728.9	2538.	1728.1	2589.	1726.6	2658.	1721.6	2687.	1720.3	2717.	895
GR	1717.0	2735.	1712.2	2744.	1712.2	2800.	1714.1	2800.	1717.0	2805.	900
GR	1722.9	2818.	1726.4	2833.	1726.6	2854.	1728.1	2891.	1730.1	2926.	905

E01

GR	1730.1	3160.	1730.1	3220.	1730.6	3240.	1735.6	3256.	1745.0	3260.	910
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	2673.00	2823.00	0.0	915
X1	18.43	0.	0.	0.	250.	50.	50.	0.0	0.0	0.	920
X3	10.	0.0	0.0	0.	0.0	0.	0.0	1723.7	1723.7		925
SB	1.25	1.60	3.00	0.	42.00	4.00	490.00	0.0	1712.9	1712.9	930
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	2673.00	2823.00	0.0	935
X1	18.43	0.	0.	0.	32.	32.	32.	0.0	0.0	0.	940
X2	0.	0.0	1.	1725.8	1728.8	0.0	0.	0.0	0.0	0.	945
X3	10.	0.0	0.0	0.	0.0	0.	0.0	1728.8	1728.8		950
BT	23.0	1700.0	1740.0	0.0	1800.0	1729.0	0.0	1900.0	1729.0	0.0	955
BT	1980.0	1729.0	0.0	1980.0	1745.0	0.0	2280.0	1745.0	0.0	2280.0	960
BT	1728.8	0.0	2400.0	1729.6	0.0	2400.0	1745.0	0.0	2500.0	1745.0	965
BT	0.0	2500.0	1735.2	0.0	2615.0	1730.2	0.0	2615.0	1731.6	0.0	970
BT	2660.0	1731.6	0.0	2660.0	1730.2	0.0	2713.0	1730.0	0.0	2863.0	975
BT	1729.5	0.0	2908.0	1729.8	0.0	3003.0	1729.1	0.0	3225.0	1732.1	980
BT	7.0	3240.0	1730.6	0.0	3256.0	1735.6	0.0	3260.0	1745.0	0.0	985
NC	0.075	0.065	0.060	0.0	0.0						990
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	2673.00	2823.00	0.0	995
X1	18.43	0.	0.	0.	20.	20.	20.	0.0	0.0	0.	1000
NC	0.080	0.075	0.055	0.0	0.0						1005
QT	6.	4690.	7200.	8410.	11640.	30240.	8410.	0.	0.	0.	1010
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	2490.00	2750.00	0.0	1015
X1	18.55	70.	2654.	2719.	650.	650.	650.	0.0	0.0	0.	1020
GR	1760.0	700.	1755.0	700.	1750.0	700.	1746.0	700.	1745.7	700.	1025
GR	1736.5	716.	1733.5	774.	1734.3	831.	1733.0	925.	1733.1	940.	1030
GR	1741.5	944.	1746.8	960.	1741.9	975.	1732.5	982.	1730.8	1011.	1035
GR	1731.9	1054.	1732.1	1098.	1739.9	1102.	1745.8	1117.	1740.1	1132.	1040
GR	1732.4	1139.	1731.2	1204.	1741.4	1209.	1745.4	1224.	1740.7	1239.	1045
GR	1731.7	1248.	1730.4	1296.	1730.7	1358.	1730.6	1371.	1739.4	1372.	1050
GR	1746.1	1401.	1739.2	1425.	1731.4	1431.	1729.4	1445.	1729.8	1487.	1055
GR	1750.0	1497.	1750.0	1571.	1750.0	1577.	1750.0	1610.	1750.0	1832.	1060
GR	1742.4	1832.	1729.8	1839.	1728.9	1922.	1729.5	1968.	1730.6	1998.	1065
GR	1729.7	2035.	1729.5	2050.	1750.0	2050.	1750.0	2500.	1729.3	2500.	1070
GR	1729.2	2514.	1728.6	2581.	1723.0	2597.	1721.9	2654.	1716.4	2658.	1075
GR	1715.3	2658.	1715.3	2683.	1715.3	2705.	1716.4	2705.	1725.8	2719.	1080
GR	1721.8	2725.	1720.6	2729.	1724.6	2737.	1732.0	2754.	1732.5	2829.	1085
GR	1730.7	2857.	1733.7	2875.	1734.0	2901.	1734.0	3000.	1745.5	3025.	1090
QT	6.	4650.	7160.	8360.	11570.	30080.	3360.	0.	0.	0.	1095
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	2490.00	2750.00	0.0	1100
X1	18.65	0.	0.	0.	530.	530.	530.	0.0	3.10	0.	1105
NC	0.080	0.095	0.060	0.0	0.0						1110
QT	6.	4580.	7030.	8220.	11380.	29660.	8220.	0.	0.	0.	1115
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	1940.00	2260.00	0.0	1120
X1	18.95	65.	1959.	2072.	1670.	1670.	1670.	0.0	0.0	0.	1125
GR	1748.3	0.	1747.8	41.	1743.8	103.	1742.7	116.	1743.9	135.	1130
GR	1744.6	163.	1744.5	197.	1743.3	246.	1743.7	347.	1742.5	432.	1135
GR	1742.8	508.	1742.7	599.	1741.8	695.	1738.9	763.	1737.2	819.	1140
GR	1736.4	840.	1740.0	854.	1737.8	866.	1737.9	954.	1736.8	996.	1145

F01

GR	1736.3	1053.	1736.7	1108.	1736.9	1140.	1735.0	1186.	1734.8	1236.	1150
GR	1734.8	1239.	1734.8	1242.	1735.7	1253.	1734.4	1334.	1734.9	1427.	1155
GR	1734.6	1495.	1733.9	1553.	1734.7	1638.	1735.9	1724.	1735.2	1791.	1160
GR	1736.8	1842.	1735.0	1862.	1734.4	1916.	1734.8	1959.	1727.7	1980.	1165
GR	1726.7	1980.	1726.7	2017.	1726.7	2057.	1727.7	2057.	1733.1	2072.	1170
GR	1733.7	2155.	1734.1	2223.	1730.2	2231.	1730.3	2245.	1734.1	2258.	1175
GR	1737.6	2278.	1739.7	2289.	1741.2	2314.	1742.7	2337.	1741.8	2349.	1180
GR	1741.0	2357.	1742.1	2370.	1742.7	2380.	1742.9	2402.	1742.9	2419.	1185
GR	1742.9	2690.	1744.8	2705.	1745.5	2726.	1745.1	2732.	1749.3	2747.	1190
QT	6.	4550.	6990.	8170.	11310.	29510.	8170.	0.	0.	0.	1195
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	1940.00	2260.00	0.0	1200

X1	19.03	0.	0.	0.	530.	530.	530.	0.0	3.00	0.	1205
NC	0.075	0.100	0.055	0.3	0.8						1210
QT	6.	4480.	6880.	8040.	11150.	29140.	8040.	0.	0.	0.	1215
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	912.00	1082.00	0.0	1220

X1	19.28	44.	913.	1074.	1630.	1630.	1630.	0.0	0.0	0.	1225
GR	1763.4	229.	1755.7	233.	1755.0	247.	1752.3	263.	1752.3	338.	1230
GR	1752.3	424.	1752.3	496.	1752.4	519.	1750.8	542.	1749.7	628.	1235
GR	1749.2	689.	1747.8	913.	1743.5	924.	1737.7	936.	1736.6	936.	1240
GR	1736.6	974.	1736.6	1015.	1737.7	1015.	1742.0	1032.	1742.6	1056.	1245
GR	1745.3	1074.	1746.4	1089.	1745.1	1104.	1744.3	1154.	1744.7	1221.	1250
GR	1744.7	1299.	1744.7	1311.	1744.7	1363.	1744.7	1378.	1741.8	1390.	1255
GR	1740.6	1393.	1741.0	1404.	1745.7	1418.	1747.2	1455.	1747.8	1483.	1260
GR	1749.9	1515.	1751.2	1559.	1751.6	1570.	1749.9	1574.	1750.0	1578.	1265
GR	1751.8	1585.	1751.8	2300.	1755.7	2341.	1760.8	2373.	0.0	0.	1270
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	912.00	1082.00	0.0	1275

X1	19.28	0.	0.	0.	100.	100.	100.	0.0	0.0	0.	1280
X3	10.	0.0	0.0	0.	0.0	0.	0.0	1748.2	1748.5		1285
NC	0.055	0.055	0.055	0.0	0.0						1290
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	912.00	1082.00	0.0	1295

X1	19.28	40.	920.	1065.	1.	1.	1.	0.0	0.0	0.	1300
BT	13.0	917.0	1751.2	0.0	917.0	1752.2	0.0	920.0	1752.2	0.0	1305
BT	920.0	1752.0	1747.5	1065.0	1752.2	1748.4	1065.0	1752.2	0.0	1070.0	1310
BT	1752.2	0.0	1070.0	1751.5	0.0	1115.0	1751.1	0.0	1290.0	1749.8	1315
BT	0.0	1290.0	1749.8	1743.9	1300.0	1749.8	1743.9	1300.0	1749.8	0.0	1320
GR	1760.0	200.	1752.3	263.	1752.4	519.	1750.8	542.	1749.7	628.	1325
GR	1749.2	689.	1750.5	870.	1751.2	917.	1747.5	920.	1745.5	920.	1330
GR	1742.0	947.	1738.6	963.	1747.8	963.	1747.8	965.	1738.6	965.	1335
GR	1738.0	970.	1738.1	980.	1737.8	990.	1736.9	1000.	1736.6	1010.	1340
GR	1736.6	1021.	1748.1	1021.	1748.1	1023.	1736.6	1023.	1736.6	1025.	1345
GR	1738.5	1035.	1745.2	1055.	1745.8	1065.	1748.4	1065.	1751.5	1070.	1350
GR	1751.1	1115.	1749.8	1290.	1740.4	1290.	1740.4	1300.	1749.8	1300.	1355
GR	1749.5	1470.	1750.5	1545.	1751.9	1587.	1751.9	2300.	1760.9	2370.	1360
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	912.00	1082.00	0.0	1365

X1	19.28	0.	0.	0.	38.	38.	38.	0.0	0.0	0.	1370
X2	0.	0.0	0.	0.0	0.0	0.0	1.	0.0	0.0	0.	1375
NC	0.070	0.085	0.055	0.0	0.0						1380
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	912.00	1082.00	0.0	1385

G01

X1	19.28	41.	913.	1074.	1.	1.	1.	0.0	0.0	0.	1390
X3	10.	0.0	0.0	0.	0.0	0.	0.0	1749.2	1749.5		1395
GR	1763.4	229.	1755.7	233.	1755.0	247.	1752.3	263.	1752.3	338.	1400
GR	1752.3	424.	1752.3	496.	1752.4	519.	1750.8	542.	1749.7	628.	1405
GR	1749.2	689.	1747.8	913.	1743.5	924.	1737.7	936.	1736.6	936.	1410
GR	1736.6	974.	1736.6	1015.	1737.7	1015.	1742.0	1032.	1742.6	1056.	1415
GR	1745.3	1074.	1746.4	1089.	1745.1	1104.	1744.3	1154.	1744.7	1221.	1420
GR	1745.2	1248.	1749.4	1273.	1748.9	1289.	1746.1	1299.	1745.2	1311.	1425
GR	1744.2	1363.	1744.7	1378.	1741.8	1390.	1740.6	1393.	1741.0	1404.	1430
GR	1745.8	1420.	1747.8	1480.	1751.6	1570.	1751.6	2300.	1755.7	2341.	1435
GR	1760.8	2373.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	1440
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	912.00	1082.00	0.0	1445

X1	19.28	0.	0.	0.	40.	40.	40.	0.0	0.0	0.	1450
NC	0.080	0.100	0.060	0.1	0.5						1455
QT	6.	4390.	6760.	7900.	10960.	28720.	7900.	0.	0.	0.	1460
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	91.00	301.00	0.0	1465

X1	19.55	35.	97.	158.	1060.	1060.	1060.	0.0	0.0	0.	1470
GR	1776.0	0.	1770.1	17.	1763.6	39.	1759.7	57.	1757.3	89.	1475
GR	1751.5	97.	1746.5	97.	1746.5	121.	1746.5	150.	1748.1	150.	1480
GR	1750.8	158.	1753.8	188.	1755.2	242.	1755.3	278.	1755.6	325.	1485
GR	1755.0	387.	1755.9	445.	1756.7	522.	1756.6	563.	1756.3	593.	1490
GR	1755.2	636.	1755.0	684.	1753.9	727.	1753.8	771.	1753.9	792.	1495
GR	1752.3	807.	1752.5	815.	1757.8	839.	1761.7	860.	1762.3	903.	1500
GR	1759.9	915.	1760.0	922.	1762.5	937.	1762.5	3020.	1770.2	3075.	1505
NC	0.140	0.070	0.060	0.3	0.8						1510
QT	6.	4300.	6620.	7740.	10740.	28230.	7740.	0.	0.	0.	1515
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	710.00	850.00	0.0	1520

X1	19.87	28.	730.	832.	1590.	1590.	1590.	0.0	0.0	0.	1525
GR	1775.5	238.	1775.5	246.	1775.5	254.	1769.7	298.	1769.7	308.	1530
GR	1767.5	369.	1767.5	400.	1780.0	400.	1780.0	600.	1767.5	600.	1535
GR	1767.5	602.	1767.5	604.	1766.9	620.	1766.9	656.	1766.9	682.	1540
GR	1765.0	700.	1761.5	730.	1759.1	737.	1758.3	737.	1758.3	824.	1545
GR	1759.1	824.	1762.0	832.	1767.9	844.	1768.3	909.	1768.3	927.	1550
GR	1768.3	1174.	1770.8	1196.	1780.0	1300.	0.0	0.	0.0	0.	1555
NC	0.100	0.070	0.055	0.0	0.0						1560
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	710.00	850.00	0.0	1565

X1	19.87	27.	720.	839.	100.	100.	100.	0.0	0.0	0.	1570
X3	10.	0.0	0.0	0.	0.0	0.	0.0	1767.8	1769.1		1575
GR	1781.0	0.	1777.5	80.	1775.5	255.	1770.5	340.	1768.2	440.	1580
GR	1768.2	540.	1771.5	719.	1760.9	720.	1760.9	726.	1759.0	730.	1585
GR	1758.5	735.	1758.9	750.	1759.6	755.	1759.9	770.	1759.8	790.	1590
GR	1759.2	800.	1759.4	805.	1759.0	810.	1759.0	815.	1760.3	824.	1595
GR	1758.3	828.	1763.0	839.	1771.8	840.	1769.5	1040.	1769.5	1140.	1600
GR	1770.8	1240.	1780.0	1300.	0.0	0.	0.0	0.	0.0	0.	1605
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	710.00	850.00	0.0	1610

X1	19.87	37.	720.	840.	1.	1.	1.	0.0	0.0	0.	1615
BT	4.0	720.0	1769.9	0.0	720.0	1772.7	1769.5	840.0	1773.2	1769.6	1620
BT	840.0	1772.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1625
GR	1781.0	0.	1777.5	80.	1775.5	255.	1770.5	340.	1768.2	440.	1630
GR	1768.2	540.	1770.8	670.	1771.5	720.	1769.9	720.	1760.9	726.	1635

H01

GR	1759.0	730.	1758.5	735.	1758.9	750.	1759.6	755.	1759.7	760.	1640
GR	1769.5	760.	1769.5	761.	1759.7	761.	1759.9	770.	1759.8	790.	1645
GR	1759.2	800.	1769.5	800.	1769.5	801.	1759.2	801.	1759.4	805.	1650
GR	1759.0	810.	1759.0	815.	1760.3	824.	1758.3	828.	1763.0	839.	1655
GR	1769.5	840.	1772.0	840.	1771.4	875.	1769.5	1040.	1769.5	1140.	1660
GR	1770.8	1240.	1780.0	1300.	0.0	0.	0.0	0.	0.0	0.	1665
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	710.00	850.00	0.0	1670

X1	19.87	0.	0.	0.	20.	20.	20.	0.0	0.0	0.	1675
X2	0.	0.0	0.	0.0	0.0	0.0	1.	0.0	0.0	0.	1680
NC	0.070	0.065	0.055	0.1	0.5	0.0	0.0	0.0	0.0	0.	1685
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	710.00	850.00	0.0	1690

X1	19.87	27.	720.	839.	1.	1.	1.	0.0	0.0	0.	1695
X3	10.	0.0	0.0	0.	0.0	0.	0.0	1768.2	1769.5	0.	1700
GR	1781.0	0.	1777.5	80.	1775.5	255.	1770.5	340.	1768.2	440.	1705
GR	1768.2	540.	1771.5	719.	1760.9	720.	1760.9	726.	1759.0	730.	1710
GR	1758.5	735.	1758.9	750.	1759.6	755.	1759.9	770.	1759.8	790.	1715
GR	1759.2	800.	1759.4	805.	1759.0	810.	1759.0	815.	1760.3	824.	1720
GR	1758.3	828.	1763.0	839.	1771.8	840.	1769.5	1040.	1769.5	1140.	1725
GR	1770.8	1240.	1780.0	1300.	0.0	0.	0.0	0.	0.0	0.	1730
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	710.00	850.00	0.0	1735

X1	19.87	30.	730.	832.	40.	40.	40.	0.0	0.0	0.	1740
GR	1781.0	0.	1777.5	82.	1776.0	205.	1774.4	227.	1775.5	230.	1745
GR	1775.5	238.	1775.5	246.	1775.5	254.	1769.7	298.	1769.7	308.	1750
GR	1767.5	369.	1767.5	494.	1767.5	604.	1765.2	645.	1766.9	656.	1755
GR	1766.9	682.	1765.0	700.	1761.5	730.	1759.1	737.	1758.3	737.	1760
GR	1758.3	824.	1759.1	824.	1762.0	832.	1767.9	844.	1768.3	909.	1765
GR	1768.3	927.	1768.3	1124.	1765.0	1145.	1770.8	1196.	1780.0	1300.	1770
QT	6.	4270.	6580.	7700.	10690.	28110.	7700.	0.	0.	0.	1775
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	710.00	850.00	0.0	1780

X1	19.95	0.	0.	0.	370.	370.	370.	0.0	1.70	0.	1785
NC	0.060	0.075	0.055	0.0	0.0	0.0	0.0	0.0	0.0	0.	1790
QT	6.	3640.	5630.	6600.	9230.	25360.	6600.	0.	0.	0.	1795
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	827.00	927.00	0.0	1800

X1	20.04	12.	845.	905.	520.	520.	520.	0.0	0.0	0.	1805
GR	1790.0	600.	1771.0	760.	1769.4	785.	1768.7	845.	1765.1	855.	1810
GR	1762.1	880.	1765.1	900.	1768.6	905.	1779.7	935.	1779.7	1585.	1815
GR	1781.5	1670.	1790.0	2000.	0.0	0.	0.0	0.	0.0	0.	1820
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	827.00	927.00	0.0	1825

X1	20.04	23.	855.	926.	80.	80.	80.	0.0	-0.70	0.	1830
GR	1791.0	600.	1786.4	800.	1784.2	803.	1781.6	803.	1781.6	812.	1835
GR	1769.4	835.	1767.9	855.	1765.1	862.	1764.0	871.	1765.0	875.	1840
GR	1765.0	885.	1763.9	900.	1762.9	903.	1762.8	914.	1768.0	926.	1845
GR	1771.9	935.	1772.0	952.	1777.9	962.	1777.8	968.	1779.7	968.	1850
GR	1779.7	1585.	1781.5	1670.	1790.0	2000.	0.0	0.	0.0	0.	1855
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	827.00	927.00	0.0	1860

X1	20.04	33.	855.	926.	1.	1.	1.	0.0	-0.70	0.	1865
----	-------	-----	------	------	----	----	----	-----	-------	----	------

I01

BT	6.0	800.0	1786.4	0.0	800.0	1788.4	0.0	803.0	1788.4	1784.2	1870
BT	968.0	1784.8	1780.0	972.0	1784.8	0.0	972.0	1782.0	0.0	0.0	1875
GR	1791.0	600.	1786.4	800.	1784.2	803.	1781.6	803.	1781.6	812.	1880
GR	1769.4	835.	1767.9	855.	1766.9	858.	1782.8	858.	1782.8	859.	1885
GR	1766.9	859.	1765.1	862.	1764.0	871.	1765.0	875.	1765.0	885.	1890
GR	1763.9	900.	1762.9	903.	1762.8	913.	1781.4	913.	1781.4	914.	1895
GR	1762.8	914.	1768.0	926.	1771.9	935.	1772.5	952.	1777.9	962.	1900
GR	1777.8	968.	1780.0	968.	1782.8	972.	1781.6	1020.	1779.7	1100.	1905
GR	1779.7	1585.	1781.5	1670.	1790.0	2000.	0.0	0.	0.0	0.	1910
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	767.00	927.00	0.0	1915

X1	20.06	0.	0.	0.	120.	120.	120.	0.0	0.70	0.	1920
X2	0.	0.0	0.	0.0	0.0	0.0	1.	0.0	0.0	0.	1925
NC	0.070	0.085	0.055	0.0	0.0	0.0	0.0	0.0	0.0	0.	1930
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	767.00	927.00	0.0	1935

X1	20.06	23.	855.	926.	1.	1.	1.	0.0	0.0	0.	1940
GR	1791.0	600.	1786.4	800.	1784.2	803.	1781.6	803.	1781.6	812.	1945
GR	1769.4	835.	1767.9	855.	1765.1	862.	1764.0	871.	1765.0	875.	1950
GR	1765.0	885.	1763.9	900.	1762.9	903.	1762.8	914.	1768.0	926.	1955
GR	1771.9	935.	1772.0	952.	1777.9	962.	1777.8	968.	1779.7	968.	1960
GR	1779.7	1585.	1781.5	1670.	1790.0	2000.	0.0	0.	0.0	0.	1965
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	760.00	920.00	0.0	1970

X1	20.06	12.	845.	905.	30.	30.	30.	0.0	0.0	0.	1975
GR	1790.0	600.	1771.0	760.	1769.4	785.	1768.7	845.	1765.1	855.	1980
GR	1765.1	880.	1765.1	900.	1768.6	905.	1779.7	935.	1779.7	1585.	1985
GR	1781.5	1670.	1790.0	2000.	0.0	0.	0.0	0.	0.0	0.	1990
NC	0.040	0.075	0.055	0.0	0.0	0.0	0.0	0.0	0.0	0.	1995
QT	6.	3480.	5400.	6340.	8870.	24390.	6340.	0.	0.	0.	2000
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	110.00	280.00	0.0	2005

X1	20.34	25.	209.	267.	850.	1260.	1260.	0.0	0.0	0.	2010
GR	1797.8	0.	1785.7	35.	1772.7	89.	1771.8	130.	1770.3	131.	2015
GR	1770.3	141.	1773.4	154.	1774.8	209.	1772.0	213.	1770.9	213.	2020
GR	1770.9	231.	1770.9	255.	1772.0	256.	1777.2	267.	1777.5	387.	2025
GR	1776.4	567.	1776.4	569.	1777.0	599.	1782.0	832.	1784.8	1062.	2030
GR	1789.7	1221.	1791.6	1416.	1791.8	1759.	1793.9	1924.	1794.8	1980.	2035
QT	6.	3450.	5350.	6280.	8800.	24180.	6280.	0.	0.	0.	2040
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	110.00	280.00	0.0	2045

X1	20.40	0.	0.	0.	330.	330.	330.	0.0	1.60	0.	2050
NC	0.040	0.065	0.055	0.0	0.0	0.0	0.0	0.0	0.0	0.	2055
QT	6.	3370.	5230.	6150.	8620.	23700.	6150.	0.	0.	0.	2060
ET	0.	0.0	0.0	0.0	0.0	0.0	8.11	443.00	533.00	0.0	2065

X1	20.54	35.	444.	514.	640.	640.	640.	0.0	0.0	0.	2070
X3	10.	0.0	0.0	0.	0.0	0.	0.0	1785.5	1782.0	0.	2075
GR	1800.0	100.	1795.0	100.	1790.0	100.	1793.5	100.	1791.2	160.	2080
GR	1786.5	175.	1788.4	184.	1788.4	187.	1787.0	194.	1784.7	227.	2085
GR	1779.0	242.	1778.0	322.	1776.8	395.	1780.4	432.	1785.9	444.	2090
GR	1782.3	450.	1782.3	456.	1776.9	461.	1775.8	461.	1775.8	480.	2095
GR	1775.8	498.	1776.9	498.	1782.2	514.	1779.6	543.	1782.0	649.	2100
GR	1785.2	774.	1783.6	927.	1785.2	1021.	1787.8	1104.	1788.9	1281.	2105

JM1

GR 1790.8 1490. 1791.6 1745. 1792.7 1949. 1794.4 2044. 1798.1 2122. 2110
EJ 2115

K01

*PROF 1

CCHV= 0.100 CEHV= 0.500

*SECNO 15.140

VALLEY RIVER		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			
15.14	9890.	80.	5101.	4709.	0.42	0	1278.		
1659.30	0.0	39.	737.	2107.	0.50	0	1653.00		
10.90	1659.00	2.04	6.92	2.23	0.0	1659.72	1652.90		
0.002696	0.0	0.070	0.050	0.060	0.0	-0.00	659.82		
	1648.40	0.	0.	0.	61.	1217.	1937.86		0.

*SECNO 15.570

3265 DIVIDED FLOW

15.57	9720.	2261.	4000.	3459.	0.43	4	1517.		
1664.38	0.0	1017.	533.	1115.	0.01	0	1663.80		
8.08	0.0	2.22	7.50	3.10	5.08	1664.81	1663.90		
0.005771	0.050	0.065	0.050	0.060	0.00	-0.00	116.48		
	1656.30	1340.	1340.	1340.	830.	743.	1697.24		85.

*SECNO 16.020

16.02	9530.	3041.	3038.	3450.	0.18	5	1191.		
1671.46	0.0	1315.	577.	1892.	-0.25	0	1670.70		
11.26	0.0	2.31	5.27	1.82	6.80	1671.64	1670.00		
0.002243	0.050	0.080	0.050	0.070	0.02	-0.00	79.57		
	1660.20	1990.	1990.	1990.	365.	826.	1270.84		233.

*SECNO 16.080

*** GR CARDS REPEATED

3265 DIVIDED FLOW

16.08	9510.	3195.	4005.	2311.	0.49	2	1176.		
1672.42	0.0	979.	500.	1081.	0.31	0	1672.70		
10.22	0.0	3.26	8.00	2.14	1.12	1672.91	1672.00		
0.006199	0.050	0.080	0.050	0.070	0.15	-0.00	84.11		
	1662.20	320.	320.	320.	361.	819.	1263.73		256.

*SECNO 16.200

*** GR CARDS REPEATED

3265 DIVIDED FLOW

VALLEY RIVER		100 YEAR FLOOD			05/02/81		TOPWID		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	BANK ELEV		
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC			

L01

DEPTH SLOPE	WSELK WTN ELMIN	VLOB XNL XLOBL	VCH XNCH XLCH	VROB XNR XLOBR	HL OLOSS WSDL	EG CORAR WSDR	LEFT/RIGHT SSTA ENDST	VOL
16.20	9460.	3611.	3675.	2174.	0.43	3	1174.	
1676.55	0.0	955.	495.	1024.	-0.06	0	1676.90	
10.15	0.0	3.78	7.42	2.12	4.07	1676.99	1676.20	
0.006531	0.051	0.070	0.055	0.070	0.01	-0.00	84.43	
	1666.40	640.	640.	640.	361.	818.	1263.23	293.

*SECNO 16.570

3265 DIVIDED FLOW

16.57	9310.	2774.	4953.	1583.	0.26	3	875.	
1683.60	0.0	1448.	943.	714.	-0.18	0	1680.50	
13.40	0.0	1.92	5.25	2.22	6.85	1683.85	1680.00	
0.002010	0.052	0.070	0.055	0.070	0.02	-0.00	86.38	
	1670.20	2050.	2050.	2050.	674.	261.	1021.33	424.

*SECNO 17.000

3265 DIVIDED FLOW

17.00	9130.	42.	4850.	4238.	0.48	3	1012.	
1690.21	0.0	60.	703.	1231.	0.22	0	1690.50	
10.01	0.0	0.70	6.90	3.44	6.72	1690.68	1688.50	
0.004478	0.053	0.090	0.055	0.060	0.11	-0.00	413.23	
	1680.20	2340.	2340.	2340.	184.	937.	1533.81	561.

*SECNO 17.100

*** GR CARDS REPEATED

3265 DIVIDED FLOW

17.10	9090.	40.	4842.	4207.	0.48	2	1000.	
1692.58	0.0	59.	702.	1220.	0.00	0	1692.90	
9.98	0.0	0.69	6.90	3.45	2.38	1693.06	1690.90	
0.004491	0.053	0.090	0.055	0.060	0.00	-0.00	414.08	
	1682.60	530.	530.	530.	183.	934.	1530.86	585.

*SECNO 17.460

3265 DIVIDED FLOW

17.46	8950.	3833.	4714.	403.	0.35	4	1278.	
1701.09	0.0	1814.	755.	268.	-0.13	0	1699.50	
10.19	0.0	2.11	6.24	1.51	8.37	1701.44	1700.40	
0.003340	0.053	0.075	0.055	0.065	0.01	-0.00	405.33	
	1690.90	2170.	2170.	2170.	1169.	275.	1848.88	705.

*SECNO 17.720

3265 DIVIDED FLOW

MD1

3301 HV CHANGED MORE THAN HVINS

VALLEY RIVER		100 YEAR FLOOD		D5/02/91		ITRIAL		TOPWID	
MILE	Q	QLOB	GCH	GR0B	HV	DHV	IDC	BANK	ELEV
DEPTH	WSELK	VLOB	VCH	VROB	HL	WSDR	EG	LEFT/RIGHT	
SLOPE	MTN	XNL	XMCH	XNR	WLOSS	WSDR	CORAR	SSTA	VOL
	ELMIN	XLOBL	XLCH	XLOR	WSDL		ENDST		
17.72	3840.	856.	798.	0.	1.42		3	366.	
1706.61	0.0	317.	796.	0.	1.07		0	1703.50	
12.21	0.0	2.70	10.02	0.02	6.06	1708.03		1706.90	
0.008948	0.054	0.065	0.055	0.075	0.54	-0.00		2100.66	759.
	1694.40	1180.	1180.	1180.	354.	116.		2570.77	

*SECNO 17.720

3301 HV CHANGED MORE THAN HVINS

17.72	8840.	1892.	5614.	1333.	0.46		2	522.	
1706.05	0.0	611.	865.	563.	-0.96		0	1697.40	
13.65	0.0	3.09	6.49	2.37	0.38	1708.51		1697.80	
0.002118	0.054	0.065	0.055	0.075	0.10	-0.00		2278.56	763.
	1694.40	100.	100.	100.	175.	346.		2800.13	

*SECNO 17.720

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 10 MIN ELTRD= 1705.00 MAX ELLC= 1708.80

17.72	8840.	921.	6047.	1872.	0.78		2	368.	
1707.90	0.0	173.	759.	454.	0.32		0	1707.00	
13.50	0.0	5.32	7.97	4.13	0.00	1708.68		1707.00	
0.011281	0.054	0.065	0.055	0.075	0.16	-73.70		2392.00	763.
	1694.40	1.	1.	1.	62.	309.		2762.70	

*SECNO 17.720

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 10 MIN ELTRD= 1705.00 MAX ELLC= 1708.80

17.72	8840.	919.	5813.	2108.	0.70		2	426.	
1708.18	0.0	179.	759.	537.	-0.08		0	1707.00	
13.78	0.0	5.14	7.66	3.93	0.20	1708.88		1707.00	
0.010424	0.054	0.065	0.055	0.075	0.01	-96.67		2392.00	763.
	1694.40	18.	18.	18.	62.	367.		2820.83	

*SECNO 17.720

17.72	8840.	1923.	5325.	1592.	0.37	2	592.
1708.55	0.0	681.	900.	733.	-0.33	0	1697.40
14.15	0.0	2.82	5.91	2.17	0.00	0	1697.80
0.001668	0.054	0.065	0.055	0.070	0.03	-0.00	2270.25
	1694.40	1.	1.	1.	184.	408.	2862.10
							763.

*SECNO 17.72U

3265 DIVIDED FLOW

VALLEY RIVER									
MILE	Q	Q108	100 YEAR FLOOD	05/02/81	TRIAL	TOPMID	BANK ELEV		
ELEV	CRIMS	ALOB	GR0B	DHV	IDC	LEFT/RIGHT	SS1A		VOL
DEPTH	WSELK	V108	AR0B	HL	EG	ENDST			
SLOPE	MTN	XNL	VROB	OLSS	CORAR				
	ELMIN	XLOBL	XNR	WSDL	MSDR				
17.72	8840.	2221.	5938.	681.	0.39	3	787.		
1708.72	0.0	925.	1003.	488.	0.02	0	1703.50		
14.32	0.0	2.40	5.92	1.39	0.19	0	1706.90		
0.002341	0.053	0.065	0.055	0.070	0.01	-0.00	2058.31		
	1694.40	50.	50.	400.	397.	416.	2871.39		771.

*SECNO 17.85D

3265 DIVIDED FLOW

17.85	8770.	1403.	7315.	52.	0.48	2	448.		
1709.84	0.0	910.	1208.	56.	0.09	0	1704.50		
13.84	0.0	1.54	6.05	0.92	1.16	0	1710.32		
0.001876	0.053	0.090	0.055	0.090	0.05	-0.00	1965.93		
	1696.00	570.	570.	220.	351.	112.	2428.53		799.

*SECNO 17.93D

*** GR CARDS REPEATED

17.93	8730.	558.	8153.	19.	0.90	0	390.		
1710.75	0.0	379.	1036.	11.	0.42	0	1707.20		
12.05	0.0	1.47	7.87	1.66	1.12	0	1707.70		
0.003890	0.053	0.085	0.055	0.070	0.21	-0.00	1982.07		
	1698.70	430.	430.	430.	335.	55.	2372.47		816.

*SECNO 18.13D

18.13	8630.	414.	6491.	1726.	0.74	2	494.		
1715.15	0.0	254.	826.	654.	-0.16	0	1713.20		
9.95	0.0	1.63	7.86	2.64	4.23	0	1712.50		
0.005284	0.054	0.100	0.055	0.080	0.02	-0.00	1805.63		
	1705.20	940.	940.	940.	194.	300.	2299.68		851.

*SECNO 18.43D

18.43	8480.	317.	8160.	4.	1.10	3	151.		
1724.16	0.0	115.	953.	3.	0.36	0	1720.30		
11.96	0.0	2.74	8.56	1.05	9.19	0	1722.90		
0.005401	0.054	0.080	0.055	0.075	0.18	-0.00	2672.13		
	1712.20	1720.	1720.	1720.	95.	56.	2823.41		906.

*SECNO 18.430

*** GR CARDS REPEATED

VALLEY RIVER		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
18.43	8480.	366.	8107.	7.	0.99	2	155.	
1724.57	0.0	134.	995.	6.	-0.11	0	1720.30	
12.37	0.0	2.72	8.15	1.18	0.29	1725.56	1722.90	
0.004625	0.054	0.080	0.055	0.075	0.01	-0.00	2669.75	
	1712.20	250.	50.	50.	98.	58.	2825.18	908.

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 1721.40 NOT 1724.57
 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	42.00	4.00	490.00	0.0
	ELCHU	ELCHD						
	1712.90	1712.90						

*SECNO 18.430

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC	
1732.01	1728.88	0.0	1266.	7298.	490.	490.	1725.80	
	ELTRD							
	1728.80							
18.43	8480.	1188.	6967.	325.	0.27	2	634.	
1729.81	0.0	872.	1524.	264.	-0.72	0	1720.30	
17.61	0.0	1.36	4.57	1.23	4.52	1730.08	1722.90	
0.000824	0.054	0.080	0.055	0.075	0.0	-0.00	1850.00	
	1712.20	32.	32.	32.	918.	153.	2920.98	909.

*SECNO 18.430

*** GR CARDS REPEATED

3265 DIVIDED FLOW

C02

18.43	8480.	1359.	6718.	403.	0.24	0	635.	
1729.86	0.0	895.	1529.	269.	-0.03	0	1720.30	
17.66	0.0	1.52	4.39	1.50	0.02	1730.10	1722.90	
0.000901	0.054	0.075	0.060	0.065	0.00	-0.00	1850.00	
	1712.20	20.	20.	20.	918.	154.	2921.92	910.

*SECNO 18.550

3265 DIVIDED FLOW

18.55	8410.	2106.	5766.	538.	0.47	2	556.	
1730.58	0.0	935.	897.	183.	0.22	0	1721.90	
15.28	0.0	2.25	6.43	2.94	0.84	1731.05	1725.80	
0.001992	0.054	0.080	0.055	0.075	0.11	-0.00	1289.24	
	1715.30	650.	650.	650.	1397.	64.	2750.74	946.

*SECNO 18.650

*** GR CARDS REPEATED

18.65	8360.	1528.	6371.	461.	0.85	2	180.	
1731.83	0.0	406.	777.	128.	0.38	0	1725.00	
13.43	0.0	3.76	8.20	3.59	1.44	1732.68	1728.90	
0.003930	0.054	0.080	0.055	0.075	0.19	-0.00	2566.05	
	1718.40	530.	530.	530.	120.	60.	2746.50	966.

*SECNO 18.930

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

VALLEY RIVER		100 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			
SLOPE	WTN	XLN	XNCH	XNR	OLOSS	CORAR	SSTA		
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST		VOL
18.93	8220.	2308.	4665.	1246.	0.20	2	1306.		
1737.02	0.0	1738.	1016.	734.	-0.65	0	1734.80		
10.32	0.0	1.33	4.59	1.70	4.47	1737.22	1733.10		
0.001931	0.054	0.080	0.060	0.095	0.06	-0.00	823.61		
	1726.70	1670.	1670.	1670.	1192.	259.	2274.71		1058.

*SECNO 19.030

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

19.03	8170.	689.	6437.	1044.	0.73	2	953.	
1738.49	0.0	491.	843.	431.	0.53	0	1737.80	

D02

8.79	0.0	1.40	7.64	2.42	1.74	1739.22	1736.10	
0.006846	0.054	0.080	0.060	0.095	0.26	-0.00	1174.03	
	1729.70	530.	530.	530.	841.	250.	2265.97	1090.

CCHV= 0.300 CEHV= 0.800

*SECNO 19.280

19.28	8040.	0.	6827.	1213.	0.47	4	526.	
1746.67	0.0	0.	1152.	761.	-0.26	0	1747.80	
10.07	0.0	0.0	5.93	1.59	7.84	1747.14	1745.30	
0.003550	0.055	0.075	0.055	0.100	0.08	-0.00	915.88	
	1736.60	1630.	1630.	1630.	78.	449.	1442.03	1159.

*SECNC 19.280

*** GR CARDS REPEATED

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1748.20 ELREA= 1748.50

19.28	8040.	0.	8040.	0.	0.69	2	159.	
1747.02	0.0	0.	1206.	0.	0.22	0	1747.80	
10.42	0.0	0.0	6.67	0.0	0.39	1747.71	1745.30	
0.004254	0.055	0.075	0.055	0.100	0.18	-0.00	915.00	
	1736.60	100.	100.	100.	78.	81.	1074.00	1162.

*SECNO 19.280

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 13 MIN ELTRD= 1749.80 MAX ELLC= 1748.40

19.28	8040.	0.	7934.	106.	1.05	2	151.	
1746.95	0.0	0.	958.	35.	0.36	0	1747.50	
10.35	0.0	0.0	8.28	3.04	0.01	1748.00	1748.40	
0.010518	0.055	0.055	0.055	0.055	0.29	-30.52	920.00	
	1736.60	1.	1.	1.	73.	308.	1300.00	1162.

*SECNO 19.280

*** GR CARDS REPEATED

3265 DIVIDED FLOW

VALLEY RIVER		100 YEAR FLOOD			05/02/81			
MILE	Q	GLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRHS	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= 13 MIN ELTRD= 1749.80 MAX ELLC= 1748.40

19.28	8040.	0.	7945.	95.	0.90	2	151.	
1747.50	0.0	0.	1036.	35.	-0.15	0	1747.50	
10.90	0.0	0.0	7.67	2.72	0.36	1748.40	1748.40	

E02

0.008415	0.054	0.055	0.055	0.055	0.04	-36.02	920.00	
	1736.60	38.	38.	38.	73.	308.	1300.00	1163.

*SECNO 19.280

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1749.20 ELREA= 1749.50

19.28	8040.	0.	8040.	0.	0.54	2	161.	
1747.97	0.0	0.	1360.	0.	-0.36	0	1747.80	
11.37	0.0	0.0	5.91	0.0	0.00	1748.52	1745.30	
0.002900	0.054	0.070	0.055	0.085	0.11	-0.00	913.00	
	1736.60	1.	1.	1.	81.	81.	1074.00	1163.

*SECNO 19.280

*** GR CARDS REPEATED

3265 DIVIDED FLOW

19.28	8040.	14.	5972.	2054.	0.21	2	670.	
1748.49	0.0	38.	1442.	1324.	-0.34	0	1747.80	
11.89	0.0	0.38	4.14	1.55	0.08	1748.69	1745.30	
0.001317	0.054	0.070	0.055	0.085	0.10	-0.00	803.25	
	1736.60	40.	40.	40.	190.	503.	1496.24	1165.

CCHV= 0.100 CEHV= 0.500
*SECNO 19.550

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

VALLEY RIVER		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

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

19.55	7900.	44.	6067.	1789.	1.41	20	604.	
1756.10	1756.10	15.	562.	734.	1.21	12	1751.50	
9.60	0.0	3.00	10.80	2.44	3.08	1757.51	1750.80	
0.011393	0.055	0.080	0.060	0.100	0.60	-0.00	90.66	
	1746.50	1060.	1060.	1060.	37.	704.	831.29	1215.

CCHV= 0.300 CEHV= 0.800
*SECNO 19.870

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

19.87	7740.	421.	7211.	108.	0.81	4	315.	
1768.05	0.0	291.	963.	39.	-0.60	0	1761.50	
9.75	0.0	1.45	7.49	2.76	11.18	1768.87	1762.00	
0.004733	0.055	0.140	0.060	0.070	0.18	-0.00	353.64	
	1758.30	1590.	1590.	1590.	427.	88.	869.04	1263.

*SECNO 19.870

3265 DIVIDED FLOW

VALLEY RIVER		100 YEAR FLOOD			05/02/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROC	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VRQB	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= 1767.80 ELREA= 1769.10

19.87	7740.	15.	7725.	0.	0.83	3	248.	
1768.49	0.0	36.	1058.	0.	0.01	0	1760.90	
10.19	0.0	0.40	7.30	0.0	0.44	1769.32	1763.00	
0.004060	0.055	0.100	0.055	0.070	0.01	-0.00	427.33	
	1758.30	100.	100.	100.	352.	60.	839.00	1265.

*SECNO 19.870

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1769.90 MAX ELLC= 1769.60

19.87	7740.	17.	7723.	0.	0.90	1	244.	
1768.48	0.0	32.	1015.	0.	0.07	0	1771.50	
10.18	0.0	0.52	7.61	0.0	0.01	1769.38	1772.00	
0.006965	0.055	0.100	0.055	0.070	0.06	-0.00	427.54	
	1758.30	1.	1.	1.	352.	60.	839.84	1265.

*SECNO 19.870

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1769.90 MAX ELLC= 1769.60

19.87	7740.	39.	7701.	0.	0.85	2	261.	
1768.67	0.0	58.	1037.	0.	-0.04	0	1771.50	
10.37	0.0	0.68	7.43	0.0	0.13	1769.52	1772.00	
0.006512	0.055	0.100	0.055	0.070	0.01	-0.00	419.45	
	1758.30	20.	20.	20.	361.	60.	839.87	1266.

CCHV= 0.100 CEHV= 0.500

*SECNO 19.870

3265 DIVIDED FLOW

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 1768.20 ELREA= 1769.50

19.87	7740.	62.	7678.	0.	0.76	2	276.	
1768.78	0.0	77.	1092.	0.	-0.09	0	1760.90	
10.48	0.0	0.81	7.03	0.0	0.00	1769.54	1763.00	
0.003610	0.055	0.070	0.055	0.065	0.01	-0.00	414.94	
	1758.30	1.	1.	1.	365.	60.	839.00	1266.

*SECNO 19.870

19.87	7740.	1594.	5495.	651.	0.29	2	867.	
1769.39	0.0	968.	1100.	515.	-0.48	0	1761.50	
11.09	0.0	1.35	5.00	1.26	0.09	1769.67	1762.00	
0.001484	0.055	0.070	0.055	0.065	0.05	-0.00	316.47	
	1758.30	40.	40.	40.	465.	403.	1183.64	1268.

*SECNO 19.950

*** GR CARDS REPEATED

3265 DIVIDED FLOW

VALLEY RIVER		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		
19.95	7700.	1025.	6426.	249.	0.56	2	612.	
1770.00	0.0	531.	988.	136.	0.27	0	1763.20	
10.00	0.0	1.93	6.50	1.84	0.75	1770.55	1763.70	
0.002900	0.055	0.070	0.055	0.065	0.14	-0.00	346.86	
	1760.00	370.	370.	370.	434.	393.	1174.00	1286.

*SECNO 20.040

3301 HV CHANGED MORE THAN HVINS

20.04	6600.	1239.	5312.	49.	1.79	3	163.	
1772.02	0.0	228.	456.	16.	1.23	0	1763.70	
9.92	0.0	5.44	11.66	3.10	2.64	1773.81	1768.60	
0.013062	0.055	0.060	0.055	0.075	0.61	-0.00	751.44	
	1762.10	520.	520.	520.	124.	39.	914.23	1300.

*SECNO 20.040

3301 HV CHANGED MORE THAN HVINS

20.04	6600.	665.	5706.	228.	0.99	3	130.	
1773.50	0.0	133.	681.	81.	-0.80	0	1767.20	
11.40	0.0	5.01	8.38	2.83	0.60	1774.49	1767.30	

H02

0.004901	0.055	0.060	0.055	0.075	0.08	-0.00	825.94	
	1762.10	80.	80.	80.	65.	65.	955.73	1301.

*SECNO 20.040

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 6 MIN ELTRD= 1782.80 MAX ELLC= 1784.20

20.04	6600.	875.	5447.	278.	0.96	2	127.	
1773.54	0.0	134.	663.	76.	-0.02	0	1767.20	
11.44	0.0	6.54	8.22	3.66	0.01	1774.50	1767.30	
0.008296	0.055	0.060	0.055	0.075	0.00	-0.00	825.88	
	1762.10	1.	1.	1.	65.	65.	955.22	1301.

*SECNO 20.060

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 6 MIN ELTRD= 1782.80 MAX ELLC= 1784.90

20.06	6600.	913.	5375.	313.	0.87	2	129.	
1774.57	0.0	144.	686.	86.	-0.09	0	1767.90	
11.77	0.0	6.36	7.83	3.64	0.93	1775.44	1768.00	
0.007326	0.055	0.060	0.055	0.075	0.01	-0.00	825.25	
	1762.80	120.	120.	120.	65.	65.	955.84	1304.

*SECNO 20.060

VALLEY RIVER

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

20.06	6600.	605.	5765.	230.	0.94	2	131.	
1774.54	0.0	143.	705.	91.	0.06	0	1767.90	
11.74	0.0	4.24	8.18	2.53	0.01	1775.48	1768.00	
0.004454	0.055	0.070	0.055	0.085	0.03	-0.00	825.30	
	1762.80	1.	1.	1.	65.	66.	956.31	1304.

*SECNO 20.060

20.06	6600.	2184.	4289.	128.	0.67	2	196.	
1774.97	0.0	541.	565.	55.	-0.27	0	1768.70	
9.87	0.0	4.04	7.58	2.32	0.13	1775.63	1768.60	
0.004110	0.055	0.070	0.055	0.085	0.03	-0.00	726.56	
	1765.10	30.	30.	30.	148.	47.	922.22	1304.

*SECNO 20.340

20.34	6340.	4047.	1698.	595.	0.38	3	602.	
1778.47	0.0	740.	388.	515.	-0.29	0	1774.80	

8.17	0.0	5.47	4.38	1.15	3.18	1778.85	1777.20	
0.002263	0.055	0.040	0.055	0.075	0.03	-0.00	65.04	
	1770.30	850.	1260.	1260.	173.	429.	667.45	1339.

*SECNO 20.400

*** GR CARDS REPEATED

20.40	6280.	4211.	1841.	228.	0.59	2	565.	
1779.33	0.0	634.	345.	231.	0.21	0	1776.40	
7.43	0.0	6.64	5.34	0.98	0.96	1779.92	1778.80	
0.003934	0.055	0.040	0.055	0.075	0.11	-0.00	68.11	
	1771.90	330.	330.	330.	170.	395.	632.93	1350.

*SECNO 20.540

3301 HV CHANGED MORE THAN HVINS

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1785.50 ELREA= 1782.00

20.54	6150.	0.	3968.	2182.	1.27	9	260.	
1783.51	1783.38	0.	377.	408.	0.68	5	1785.90	
7.71	0.0	0.0	10.53	5.35	4.53	1784.78	1782.20	
0.016626	0.055	0.040	0.055	0.065	0.34	-0.00	447.98	
	1775.80	640.	640.	640.	31.	229.	708.14	1364.

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

T1	ANDREWS NC LFS	VALLEYF	2120
T2	100 YEAR FLOODWAY	MARCH 1981 BCH	2125
T3	VALLEY RIVER	100 YEAR FLOODWAY	2130

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ	
	0.	7.	0.	0.	0.0	0.	0.0	9890.	1660.30	0.0	2135

J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE	
	15.	0.	-1.	0.	0.	0.0	0.0	0.	0.	0.	2140

*PROF Z

CCHV= 0.100 CEHV= 0.500

*SECNO 15.140

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

3470 ENCROACHMENT STATIONS=	680.0	1240.0	TYPE=	1	TARGET=	560.000		
15.14	9890.	48.	5699.	4143.	0.50	0	560.	
1660.30	0.0	24.	811.	1429.	0.50	0	1653.00	
11.90	1659.30	1.96	7.03	2.90	0.0	1660.80	1652.90	
0.002447	0.0	0.070	0.050	0.060	0.0	-0.00	680.00	
	1648.40	0.	0.	0.	41.	519.	1240.00	0.

*SECNO 15.570

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS=	590.0	1290.0	TYPE=	1	TARGET=	700.000		
15.57	9720.	1744.	5059.	2918.	0.68	3	678.	
1665.15	0.0	581.	599.	694.	0.19	0	1663.80	
0.85	1664.38	3.00	8.44	4.20	4.95	1665.84	1663.90	
0.006262	0.050	0.065	0.050	0.060	0.09	-0.00	590.00	
	1656.30	1340.	1340.	1340.	365.	335.	1290.00	64.

*SECNO 16.020

3470 ENCROACHMENT STATIONS=	160.0	780.0	TYPE=	1	TARGET=	620.000		
16.02	9530.	3292.	3645.	2592.	0.24	4	620.	
1672.47	0.0	1275.	652.	1106.	-0.44	0	1670.70	
12.27	1671.46	2.58	5.59	2.34	6.83	1672.72	1670.00	
0.002148	0.050	0.080	0.050	0.070	0.04	-0.00	160.00	
	1660.20	1990.	1990.	1990.	285.	335.	780.00	176.

*SECNO 16.080

*** GR CARDS REPEATED

3470 ENCROACHMENT STATIONS=	160.0	780.0	TYPE=	1	TARGET=	620.000		
16.08	9510.	3228.	4222.	2061.	0.46	2	620.	
1673.33	0.0	993.	568.	766.	0.22	0	1672.70	
11.13	1672.42	3.25	7.44	2.69	0.97	1673.79	1672.00	
0.004571	0.050	0.080	0.050	0.070	0.11	-0.00	160.00	
	1662.20	320.	320.	320.	285.	335.	780.00	195.

*SECNO 16.200

*** GR CARDS REPEATED

VALLEY RIVER 100 YEAR FLOODWA 05/02/81

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID		
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV		
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT		
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA		
	ELMIN	XL0BL	XLCH	XL0BR	WSDL	WSDR	ENDST		VOL
3470 ENCROACHMENT STATIONS=			160.0	780.0	TYPE=	1	TARGET=	620.000	
16.20	9460.	3592.	4215.	1653.	0.58	2	620.		
1676.91	0.0	840.	522.	582.	0.12	0	1676.90		
10.51	1676.55	4.28	8.08	2.84	3.64	1677.49	1676.20		
0.007298	0.051	0.070	0.055	0.070	0.06	-0.00	160.00		
	1666.40	640.	640.	640.	285.	335.	780.00		227.

*SECNO 16.570

3470 ENCROACHMENT STATIONS=			560.0	940.0	TYPE=	1	TARGET=	380.000	
16.57	9310.	1749.	6068.	1492.	0.38	3	380.		
1684.60	0.0	667.	1043.	567.	-0.20	0	1680.50		
14.40	1683.60	2.62	5.82	2.63	7.46	1684.98	1680.00		
0.002159	0.052	0.070	0.055	0.070	0.02	-0.00	560.00		
	1670.20	2050.	2050.	2050.	201.	179.	940.00		326.

*SECNO 17.000

3470 ENCROACHMENT STATIONS=			540.0	890.0	TYPE=	1	TARGET=	350.000	
17.00	9130.	4.	5001.	4124.	0.48	3	350.		
1690.93	0.0	7.	768.	1005.	0.10	0	1690.50		
10.73	1690.21	0.63	6.51	4.10	6.38	1691.41	1688.50		
0.003571	0.053	0.090	0.055	0.060	0.05	-0.00	540.00		
	1680.20	2340.	2340.	2340.	57.	293.	890.00		435.

*SECNO 17.100

*** GR CARDS REPEATED

3470 ENCROACHMENT STATIONS=			540.0	890.0	TYPE=	1	TARGET=	350.000	
17.10	9090.	1.	5132.	3957.	0.55	2	350.		
1692.97	0.0	2.	736.	914.	0.07	0	1692.90		
10.37	1692.58	0.33	6.98	4.33	2.08	1693.52	1690.90		
0.004337	0.053	0.090	0.055	0.060	0.04	-0.00	540.00		
	1682.60	530.	530.	530.	57.	29.	890.00		456.

*SECNO 17.460

3470 ENCROACHMENT STATIONS=			1290.0	1660.0	TYPE=	1	TARGET=	370.000	
17.46	8950.	2515.	6239.	197.	0.63	3	370.		
1702.05	0.0	856.	842.	86.	0.08	0	1699.50		
11.15	1701.09	2.94	7.41	2.30	9.12	1702.69	1700.40		
0.004076	0.053	0.075	0.055	0.065	0.04	-0.00	1290.00		
	1690.90	2170.	2170.	2170.	284.	86.	1660.00		542.

*SECNO 17.720

3265 DIVIDED FLOW

M02

VALLEY RIVER		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

3470 ENCROACHMENT STATIONS=	2250.0	2550.0	TYPE=	1	TARGET=	300.000		
17.72	8840.	826.	7961.	53.	1.12	2	265.	
1707.63	0.0	260.	896.	39.	0.48	0	1703.50	
13.24	1706.61	3.18	8.88	1.37	5.82	1708.75	1706.90	
0.006114	0.054	0.065	0.055	0.075	0.24	-0.00	2250.00	
	1694.40	1180.	1180.	1180.	205.	95.	2550.00	582.

*SECNO 17.720

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=	2250.0	2550.0	TYPE=	1	TARGET=	300.000		
17.72	8840.	2062.	5588.	1190.	0.42	2	282.	
1708.70	0.0	705.	911.	390.	-0.70	0	1697.40	
14.30	1708.05	2.93	6.13	3.05	0.30	1709.12	1697.80	
0.001763	0.054	0.065	0.055	0.075	0.07	-0.00	2267.60	
	1694.40	100.	100.	100.	186.	96.	2550.00	586.

*SECNO 17.720

3700. BRIDGE STENCL= 2250.00 STENCR= 2550.00

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 10 MIN ELTRD= 1705.00 MAX ELLC= 1708.80

3470 ENCROACHMENT STATIONS=	2250.0	2550.0	TYPE=	1	TARGET=	300.000		
17.72	8840.	1036.	6307.	1498.	0.89	2	156.	
1708.47	0.0	185.	759.	306.	0.47	0	1707.00	
14.07	1707.90	5.61	8.31	4.89	0.00	1709.36	1707.00	
0.012269	0.054	0.065	0.055	0.075	0.23	-124.84	2392.00	
	1694.40	1.	1.	1.	62.	96.	2550.00	586.

*SECNO 17.720

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 10 MIN ELTRD= 1705.00 MAX ELLC= 1708.80

3470 ENCROACHMENT STATIONS=	2250.0	2550.0	TYPE=	1	TARGET=	300.000		
17.72	8840.	1021.	6269.	1551.	0.87	2	156.	
1708.71	0.0	188.	759.	314.	-0.01	0	1707.00	

A03

14.31	1708.18	5.42	8.26	4.95	0.22	1709.58	1707.00	
0.012122	0.054	0.065	0.055	0.075	0.00	-149.36	2392.00	
	1694.40	18.	18.	18.	62.	96.	2550.00	586.

*SECNO 17.720

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=	2250.0	2550.0	TYPE=	1	TARGET=	300.000		
17.72	8840.	2149.	5394.	1297.	0.35	2	292.	
1709.28	0.0	795.	953.	425.	-0.52	0	1697.40	
14.88	1708.55	2.70	5.66	3.05	0.00	1709.63	1697.80	
0.001415	0.054	0.065	0.055	0.070	0.05	-0.00	2257.73	
	1694.40	1.	1.	1.	196.	96.	2550.00	586.

*SECNO 17.720

3265 DIVIDED FLOW

VALLEY RIVER		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	

3470 ENCROACHMENT STATIONS=	2250.0	2550.0	TYPE=	1	TARGET=	300.000		
17.72	8840.	1398.	7206.	236.	0.61	2	279.	
1709.31	0.0	475.	1061.	116.	0.25	0	1703.50	
14.91	1708.72	2.94	6.79	2.03	0.16	1709.92	1706.90	
0.002851	0.053	0.065	0.055	0.070	0.13	-0.00	2250.00	
	1694.40	50.	50.	400.	205.	95.	2550.00	591.

*SECNO 17.850

3470 ENCROACHMENT STATIONS=	2130.0	2370.0	TYPE=	1	TARGET=	240.000		
17.85	8770.	1108.	7633.	29.	0.48	2	240.	
1710.65	0.0	613.	1287.	23.	-0.12	0	1704.50	
14.65	1709.84	1.81	5.93	1.26	1.21	1711.14	1705.00	
0.001657	0.053	0.090	0.055	0.090	0.01	-0.00	2130.00	
	1696.00	570.	570.	220.	187.	53.	2370.00	613.

*SECNO 17.930

*** GR CARDS REPEATED

3470 ENCROACHMENT STATIONS=	2130.0	2370.0	TYPE=	1	TARGET=	240.000		
17.93	8730.	844.	8062.	25.	0.77	2	240.	
1711.46	0.0	350.	1105.	14.	0.29	0	1707.20	
12.76	1710.75	1.84	7.30	1.82	0.95	1712.23	1707.70	
0.003072	0.054	0.085	0.055	0.070	0.14	-0.00	2130.00	
	1698.70	430.	430.	430.	187.	53.	2370.00	630.

B03

*SECNO 18.130

3470 ENCROACHMENT STATIONS=	1920.0	2160.0	TYPE=	1	TARGET=	240.000	
18.13	8630.	176.	7237.	1217.	0.99	2	240.
1715.31	0.0	83.	842.	376.	0.22	0	1713.20
10.11	1715.15	2.14	8.59	3.24	3.96	1716.30	1712.50
0.006165	0.054	0.100	0.055	0.080	0.11	-0.00	1920.00
	1705.20	940.	940.	940.	80.	160.	2160.00
							660.

*SECNO 18.430

3470 ENCROACHMENT STATIONS=	2673.0	2823.0	TYPE=	1	TARGET=	150.000	
18.43	8480.	362.	9111.	7.	1.00	4	150.
1724.53	0.0	131.	990.	5.	0.02	0	1720.30
12.33	1724.16	2.76	8.19	1.30	9.23	1725.53	1722.90
0.004700	0.054	0.080	0.055	0.075	0.01	-0.00	2673.00
	1712.20	1720.	1720.	1720.	95.	55.	2823.00
							708.

*SECNO 18.430

*** GR CARDS REPEATED

VALLEY RIVER		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=	2673.0	2823.0	TYPE=	1	TARGET=	150.000	
18.43	8480.	404.	8066.	10.	0.92	2	150.
1724.88	0.0	147.	1026.	7.	-0.08	0	1720.30
12.68	1724.57	2.75	7.86	1.42	0.26	1725.80	1722.90
0.004133	0.054	0.080	0.055	0.075	0.01	-0.00	2673.00
	1712.20	250.	50.	50.	95.	55.	2823.00
							710.

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 1721.40 NOT 1724.88
 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	42.00	4.00	490.00	0.0
	ELCHU	ELCHD						
	1712.90	1712.90						

*SECNO 18.430

3700. BRIDGE STENCL= 2673.00 STENCR= 2823.00

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
-------	-------	----	-------	-----	-------	-------	------

C03

1732.32 1728.88 0.0 654. 7795. 490. 490. 1725.80

ELTRD
1728.80

3470 ENCROACHMENT STATIONS=		2673.0	2823.0	TYPE=	1	TARGET=	150.000	
18.43	8480.	387.	7550.	43.	0.30	2	150.	
1730.86	0.0	410.	1630.	37.	-0.61	0	1720.30	
18.66	1729.81	2.16	4.63	1.17	5.37	1731.17	1722.90	
0.000773	0.054	0.080	0.055	0.075	0.0	-0.00	2673.00	
	1712.20	32.	32.	32.	95.	55.	2823.00	711.

*SECNO 18.430

*** GR CARDS REPEATED

3470 ENCROACHMENT STATIONS=		2673.0	2823.0	TYPE=	1	TARGET=	150.000	
18.43	8480.	1016.	7411.	53.	0.29	1	150.	
1730.89	0.0	412.	1634.	37.	-0.01	0	1720.30	
18.69	1729.86	2.47	4.54	1.44	0.02	1731.18	1722.90	
0.000880	0.054	0.075	0.060	0.065	0.00	-0.00	2673.00	
	1712.20	20.	20.	20.	95.	55.	2823.00	712.

*SECNO 18.550

3470 ENCROACHMENT STATIONS=		2490.0	2750.0	TYPE=	1	TARGET=	260.000	
18.55	8410.	2146.	5670.	593.	0.40	2	250.	
1731.58	0.0	825.	961.	214.	0.11	0	1721.90	
16.28	1730.58	2.60	5.90	2.77	0.74	1731.98	1725.80	
0.001528	0.054	0.080	0.055	0.075	0.05	-0.00	2500.00	
	1715.30	650.	650.	650.	187.	63.	2750.00	742.

*SECNO 18.650

*** GR CARDS REPEATED

3470 ENCROACHMENT STATIONS=		2490.0	2750.0	TYPE=	1	TARGET=	260.000	
18.65	8360.	1662.	6199.	499.	0.70	2	248.	
1732.54	0.0	496.	823.	148.	0.30	0	1725.00	
14.14	1731.83	3.35	7.54	3.36	1.11	1733.24	1728.90	
0.003072	0.054	0.080	0.055	0.075	0.15	-0.00	2500.00	
	1718.40	530.	530.	530.	187.	62.	2748.12	764.

*SECNO 18.930

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

3470 ENCROACHMENT STATIONS=		1940.0	2260.0	TYPE=	1	TARGET=	320.000	
18.93	8220.	103.	6230.	1888.	0.40	2	320.	

D03

1737.69	0.0	57.	1091.	840.	-0.30	0	1734.80	
10.99	1737.02	1.81	5.71	2.25	4.82	1738.09	1733.10	
0.002713	0.054	0.080	0.060	0.095	0.03	-0.00	1940.00	
	1726.70	1670.	1670.	1670.	76.	244.	2260.00	830.

*SECNO 19.030

*** GR CARDS REPEATED

3470 ENCROACHMENT STATIONS=	1940.0	2260.0	TYPE=	1	TARGET=	320.000		
19.03	8170.	58.	6612.	1500.	0.63	2	320.	
1739.45	0.0	33.	951.	608.	0.22	0	1737.80	
9.75	1738.49	1.76	6.95	2.47	1.88	1740.08	1736.10	
0.004830	0.054	0.080	0.060	0.095	0.11	-0.00	1940.00	
	1729.70	530.	530.	530.	76.	244.	2260.00	852.

CCHV= 0.300 CEHV= 0.800

*SECNO 19.280

3470 ENCROACHMENT STATIONS=	912.0	1082.0	TYPE=	1	TARGET=	170.000		
19.28	8040.	0.	8028.	12.	0.70	3	167.	
1746.94	0.0	0.	1193.	11.	0.08	0	1747.80	
10.34	1746.67	0.0	6.73	1.10	7.51	1747.64	1745.30	
0.004393	0.055	0.075	0.055	0.100	0.06	-0.00	915.22	
	1736.60	1630.	1630.	1630.	78.	88.	1082.00	904.

*SECNO 19.280

*** GR CARDS REPEATED

3470 ENCROACHMENT STATIONS=	912.0	1082.0	TYPE=	1	TARGET=	170.000		
3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELREA=	1748.20	ELREA=	1748.50					
19.28	8040.	0.	8040.	0.	0.62	2	160.	
1747.45	0.0	0.	1275.	0.	-0.08	0	1747.80	
10.85	1747.02	0.0	6.31	0.0	0.40	1748.07	1745.30	
0.003572	0.055	0.075	0.055	0.100	0.03	-0.00	913.90	
	1736.60	100.	100.	100.	80.	81.	1074.00	907.

*SECNO 19.280

3700. BRIDGE STENCL= 912.00 STENCR= 1082.00

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 13 MIN ELTRD= 1749.80 MAX ELLC= 1748.40

3470 ENCROACHMENT STATIONS=	912.0	1082.0	TYPE=	1	TARGET=	170.000		
19.28	8040.	0.	8040.	0.	0.97	9	141.	
1747.38	0.0	0.	1018.	0.	0.35	0	1747.50	
10.78	1746.95	0.0	7.90	0.0	0.01	1748.35	1748.40	
0.009038	0.055	0.055	0.055	0.055	0.28	-0.00	920.00	
	1736.60	1.	1.	1.	73.	73.	1065.00	907.

*SECNO 19.280

*** GR CARDS REPEATED

3265 DIVIDED FLOW

VALLEY RIVER		100 YEAR FLOODWA			05/02/81		TOPWID		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	BANK ELEV	
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	EG	LEFT/RIGHT	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	CORAR	SSTA	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	WSDR	WSDR	ENDST	VOL
	ELMIN	XL0BL	XLCH	XL0BR	WSDL				

3370 NORMAL BRIDGE, NRD= 13 MIN ELTRD= 1749.80 MAX ELLC= 1748.40

3470 ENCROACHMENT STATIONS=	912.0	1082.0	TYPE=	1	TARGET=	170.000		
19.28	8040.	0.	8040.	0.	0.86	3	143.	
1747.90	0.0	0.	1079.	0.	-0.11	0	1747.50	
11.30	1747.50	0.0	7.45	0.0	0.38	1748.76	1748.40	
0.011070	0.055	0.055	0.055	0.055	0.03	-12.88	919.68	
	1736.60	38.	38.	38.	73.	73.	1065.00	908.

*SECNO 19.280

3470 ENCROACHMENT STATIONS= 912.0 1082.0 TYPE= 1 TARGET= 170.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1749.20 ELREA= 1749.50

19.28	8040.	0.	8040.	0.	0.49	2	161.	
1748.38	0.0	0.	1426.	0.	-0.37	0	1747.80	
11.78	1747.97	0.0	5.64	0.0	0.00	1748.88	1745.30	
0.002478	0.055	0.070	0.055	0.085	0.11	-0.00	913.00	
	1736.60	1.	1.	1.	81.	81.	1074.00	908.

*SECNO 19.280

*** GR CARDS REPEATED

3470 ENCROACHMENT STATIONS=	912.0	1082.0	TYPE=	1	TARGET=	170.000		
19.28	8040.	0.	8006.	33.	0.48	2	170.	
1748.50	0.0	1.	1445.	23.	-0.02	0	1747.80	
11.90	1748.49	0.57	5.54	1.43	0.10	1748.98	1745.30	
0.002352	0.055	0.070	0.055	0.085	0.01	-0.00	912.00	
	1736.60	40.	40.	40.	82.	88.	1082.00	909.

CCHV= 0.100 CEHV= 0.500

*SECNO 19.550

3301 HV CHANGED MORE THAN HVINS

VALLEY RIVER		100 YEAR FLOODWA			05/02/81		TOPWID		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	BANK ELEV	
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	EG	LEFT/RIGHT	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG			

SLOPE	WTN ELMIN	XNL XLOBL	XNCH XLCH	XNR XLOBR	OLOSS WSDL	CORAR WSDR	SSTA ENDST	VOL
-------	--------------	--------------	--------------	--------------	---------------	---------------	---------------	-----

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

3470 ENCROACHMENT STATIONS=	91.0	301.0	TYPE=	1	TARGET=	210.000		
19.55	7900.	44.	7210.	646.	2.56	20	210.	
1755.71	1755.71	12.	538.	192.	2.08	15	1751.50	
9.21	1756.10	3.61	13.39	3.36	5.38	1758.27	1750.80	
0.018551	0.055	0.080	0.060	0.100	1.04	-0.00	91.19	
	1746.50	1060.	1060.	1060.	36.	173.	301.00	936.

CCHV= 0.300 CEHV= 0.800
 *SECNO 19.870

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=	710.0	850.0	TYPE=	1	TARGET=	140.000		
19.87	7740.	236.	7348.	156.	0.71	6	140.	
1769.05	0.0	128.	1065.	56.	-1.85	0	1761.50	
10.75	1768.05	1.85	6.90	2.78	10.93	1769.76	1762.00	
0.003513	0.055	0.140	0.060	0.070	0.56	-0.00	710.00	
	1758.30	1590.	1590.	1590.	71.	69.	850.00	972.

*SECNO 19.870

VALLEY RIVER

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=	710.0	850.0	TYPE=	1	TARGET=	140.000		
19.87	7740.	1.	7737.	1.	0.68	2	121.	
1769.40	0.0	3.	1167.	2.	-0.02	0	1760.90	
11.10	1768.49	0.44	6.63	0.58	0.32	1770.09	1763.00	
0.002934	0.055	0.100	0.055	0.070	0.01	-0.00	719.20	
	1758.30	100.	100.	100.	60.	60.	839.73	975.

*SECNO 19.870

3700. BRIDGE STENCL= 710.00 STENCR= 850.00

3265 DIVIDED FLOW

3370 NORMAL BRIDGE,MRD= 4 MIN ELTRD= 1769.90 MAX ELLC= 1769.60

3470 ENCROACHMENT STATIONS=	710.0	850.0	TYPE=	1	TARGET=	140.000		
19.87	7740.	0.	7740.	0.	0.74	1	118.	
1769.40	0.0	0.	1123.	0.	0.06	0	1771.50	
11.10	1768.48	0.0	6.89	0.0	0.00	1770.13	1772.00	
0.005236	0.055	0.100	0.055	0.070	0.04	-0.00	720.33	

603

1758.30 1. 1. 1. 60. 60. 839.98 975.

*SECNO 19.870

*** GR CARDS REPEATED

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1769.90 MAX ELLC= 1769.60

3470 ENCROACHMENT STATIONS=	710.0	850.0	TYPE=	1	TARGET=	140.000	
19.87	7740.	0.	7740.	0.	0.72	2	120.
1769.53	0.0	0.	1137.	0.	-0.02	0	1771.50
11.23	1768.67	0.0	6.81	0.0	0.11	1770.25	1772.00
0.006026	0.055	0.100	0.055	0.070	0.01	-0.20	720.25
	1758.30	20.	20.	20.	60.	60.	840.00

976.

CCHV= 0.100 CEHV= 0.500

*SECNO 19.870

3470 ENCROACHMENT STATIONS=	710.0	850.0	TYPE=	1	TARGET=	140.000	
19.87	7740.	2.	7736.	2.	0.66	2	121.
1769.61	0.0	4.	1191.	2.	-0.06	0	1760.90
11.31	1768.78	0.61	6.50	0.62	0.00	1770.26	1763.00
0.002745	0.055	0.070	0.055	0.065	0.01	-0.00	719.18
	1758.30	1.	1.	1.	60.	60.	839.75

976.

*SECNO 19.870

3470 ENCROACHMENT STATIONS=	710.0	850.0	TYPE=	1	TARGET=	140.000	
19.87	7740.	441.	7118.	181.	0.57	1	140.
1769.80	0.0	143.	1140.	69.	-0.09	0	1761.50
11.50	1769.39	3.09	6.24	2.62	0.10	1770.37	1762.00
0.002206	0.055	0.070	0.055	0.065	0.01	-0.00	710.00
	1758.30	40.	40.	40.	71.	69.	850.00

977.

*SECNO 19.950

*** GR CARDS REPEATED

VALLEY RIVER

100 YEAR FLOODWA

05/02/81

MI E	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	WSD/L	WSDR	ENDST
							VOL

3470 ENCROACHMENT STATIONS=	710.0	850.0	TYPE=	1	TARGET=	140.000	
19.95	7700.	418.	7136.	146.	0.67	2	140.
1770.68	0.0	126.	1057.	55.	0.10	0	1763.20
10.68	1770.00	3.31	6.75	2.67	0.92	1771.34	1763.70
0.002854	0.055	0.070	0.055	0.065	0.05	-0.00	710.00
	1760.00	370.	370.	370.	71.	69.	850.00

988.

*SECNO 20.040

H03

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=		827.0	927.0	TYPE=	1	TARGET=	190.000	
20.04	6600.	415.	6113.	73.	2.32	3	89.	
1772.51	0.0	67.	485.	21.	1.65	0	1768.70	
10.41	1772.02	6.22	12.59	3.51	2.66	1774.83	1768.60	
0.014014	0.055	0.060	0.055	0.075	0.83	-0.00	827.00	
	1762.10	520.	520.	520.	48.	41.	915.57	999.

*SECNO 20.040

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=		827.0	927.0	TYPE=	1	TARGET=	100.000	
20.04	6600.	784.	5808.	8.	0.84	3	100.	
1774.64	0.0	164.	762.	7.	-1.48	0	1767.20	
12.54	1773.50	4.77	7.63	1.08	0.50	1775.48	1767.30	
0.003495	0.055	0.060	0.055	0.075	0.15	-0.00	827.00	
	1762.10	80.	80.	80.	64.	36.	927.00	1000.

*SECNO 20.040

3700. BRIDGE STENCL= 827.00 STENCR= 927.00

3265 DIVIDED FLOW

3370 NORMAL BRIDGE,NRD= 6 MIN ELTRD= 1782.80 MAX ELLC= 1784.20

3470 ENCROACHMENT STATIONS=		827.0	927.0	TYPE=	1	TARGET=	100.000	
20.04	6600.	1055.	5535.	10.	0.83	9	98.	
1774.65	0.0	165.	741.	7.	-0.01	0	1767.20	
12.55	1773.54	6.39	7.47	1.45	0.00	1775.48	1767.30	
0.006252	0.055	0.060	0.055	0.075	0.00	-0.00	827.00	
	1762.10	1.	1.	1.	64.	36.	927.00	1000.

*SECNO 20.060

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE,NRD= 6 MIN ELTRD= 1782.80 MAX ELLC= 1784.90

3470 ENCROACHMENT STATIONS=		767.0	927.0	TYPE=	1	TARGET=	160.000	
20.06	6600.	1063.	5526.	10.	0.82	2	101.	
1775.41	0.0	169.	744.	7.	-0.01	0	1767.90	
12.61	1774.57	6.29	7.43	1.44	0.74	1776.23	1768.00	
0.006163	0.055	0.060	0.055	0.075	0.00	-0.00	823.68	
	1762.80	120.	120.	120.	67.	36.	927.00	1002.

*SECNO 20.060

VALLEY RIVER		100 YEAR FLOODWA			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			

3470 ENCROACHMENT STATIONS= 767.0 927.0 TYPE= 1 TARGET= 160.000

20.06	6600.	691.	5902.	7.	0.85	1	103.		
1775.40	0.0	169.	766.	7.	0.03	0	1767.90		
12.60	1774.54	4.08	7.70	0.96	0.00	1776.25	1768.00		
0.003534	0.055	0.070	0.055	0.085	0.02	-0.00	823.67		
	1762.80	1.	1.	1.	67.	36.	927.00		1002.

*SECNO 20.060

3470 ENCROACHMENT STATIONS= 760.0 920.0 TYPE= 1 TARGET= 160.000

20.06	6600.	2169.	4274.	156.	0.57	2	160.		
1775.81	0.0	546.	616.	67.	-0.28	0	1768.70		
10.71	1774.97	3.97	6.94	2.35	0.10	1776.38	1768.60		
0.003072	0.055	0.070	0.055	0.085	0.03	-0.00	760.00		
	1765.10	30.	30.	30.	115.	45.	920.00		1003.

*SECNO 20.340

3470 ENCROACHMENT STATIONS= 110.0 280.0 TYPE= 1 TARGET= 170.000

20.34	6340.	4026.	2278.	36.	0.60	3	170.		
1779.06	0.0	603.	422.	24.	0.04	0	1774.80		
8.76	1778.47	6.68	5.40	1.51	3.27	1779.66	1777.20		
0.003075	0.055	0.040	0.055	0.075	0.02	-0.00	110.00		
	1770.30	850.	1260.	1260.	128.	42.	280.00		1031.

*SECNO 20.400

*** GR CARDS REPEATED

3470 ENCROACHMENT STATIONS= 110.0 280.0 TYPE= 1 TARGET= 170.000

20.40	6280.	3969.	2286.	25.	0.70	2	170.		
1780.15	0.0	553.	393.	17.	0.10	0	1776.40		
8.25	1779.33	7.18	5.82	1.41	1.14	1780.85	1778.80		
0.003936	0.055	0.040	0.055	0.075	0.05	-0.00	110.00		
	1771.90	330.	330.	330.	128.	42.	280.00		1038.

*SECNO 20.540

3301 HV CHANGED MORE THAN HVINS

VALLEY RIVER		100 YEAR FLOODWA			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			

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 443.0 533.0 TYPE= 1 TARGET= 90.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELREA= 1785.50 ELREA= 1782.00

20.54	6150.	0.	5799.	351.	2.77	4	86.
1784.23	1784.23	0.	425.	55.	2.07	5	1785.90
8.43	1783.51	0.0	13.65	6.41	5.09	1787.00	1782.20
0.024480	0.055	0.040	0.055	0.065	1.03	-0.00	446.78
	1775.80	640.	640.	640.	32.	54.	533.00 1049.

THIS RUN EXECUTED 05/02/81 8:17:12

 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/

VALLEY RIVER

SUMMARY PRINTOUT TABLE 110

SECNO	CWSEL	DIFKWS	EG	TOPWID	PERENC	STENCL	STENCR	STCHL	STCHR	QLOB	QCH	QROB
15.140	1659.30	0.30	1659.72	1278.	0.	0.	0.	684.	758.	80.	5101.	4709.
15.140	1660.30	1.00	1660.80	560.	560.	680.	1240.	684.	758.	48.	5699.	4143.
15.570	1664.38	0.0	1664.81	1517.	0.	0.	0.	912.	997.	2261.	4000.	3459.
15.570	1665.15	0.78	1665.84	678.	700.	590.	1290.	912.	997.	1744.	5059.	2918.
16.020	1671.46	0.0	1671.64	1191.	0.	0.	0.	408.	482.	3041.	3038.	3450.
16.020	1672.47	1.02	1672.72	620.	620.	160.	780.	408.	482.	3292.	3345.	2592.
16.080	1672.42	0.0	1672.91	1176.	0.	0.	0.	408.	482.	3195.	4005.	2311.
16.080	1673.33	0.91	1673.79	620.	620.	160.	780.	408.	482.	3228.	4222.	2061.
16.200	1676.55	0.0	1676.99	1174.	0.	0.	0.	408.	482.	3611.	3675.	2174.
16.200	1676.91	0.36	1677.49	620.	620.	160.	780.	408.	482.	3592.	4215.	1653.
16.570	1683.60	0.0	1683.85	875.	0.	0.	0.	711.	810.	2774.	4953.	1583.
16.570	1684.60	1.00	1684.98	380.	380.	560.	940.	711.	810.	1749.	6068.	1492.
17.000	1690.21	0.0	1690.68	1012.	0.	0.	0.	553.	641.	42.	4850.	4238.
17.000	1690.93	0.72	1691.41	350.	350.	540.	890.	553.	641.	4.	5001.	4124.
17.100	1692.58	0.0	1693.06	1000.	0.	0.	0.	553.	641.	40.	4842.	4207.
17.100	1692.97	0.39	1693.52	350.	350.	540.	890.	553.	641.	1.	5132.	3957.
17.460	1701.09	0.0	1701.44	1278.	0.	0.	0.	1529.	1619.	3833.	4714.	403.
17.460	1702.05	0.96	1702.69	370.	370.	1290.	1660.	1529.	1619.	2515.	6239.	197.
17.720	1706.61	0.0	1708.03	366.	0.	0.	0.	2406.	2504.	856.	7984.	0.
17.720	1707.63	1.02	1708.75	265.	300.	2250.	2550.	2406.	2504.	826.	7961.	53.
17.720	1708.05	0.0	1708.51	522.	0.	0.	0.	2418.	2490.	1892.	5614.	1333.
17.720	1708.70	0.65	1709.12	282.	300.	2250.	2550.	2418.	2490.	2062.	5588.	1190.
17.720	1707.90	0.0	1708.68	368.	0.	0.	0.	2418.	2490.	921.	6047.	1872.
17.720	1708.47	0.57	1709.36	156.	300.	2250.	2550.	2418.	2490.	1036.	6307.	1498.
17.720	1708.18	0.0	1708.88	426.	0.	0.	0.	2418.	2490.	919.	5813.	2108.
17.720	1708.71	0.53	1709.58	156.	300.	2250.	2550.	2418.	2490.	1021.	6269.	1551.

L03

SECNO	CWSEL	DIFKWS	EG	TOPWID	PERENC	STENCL	STENCR	STCHL	STCHR	QLOB	QCH	QROB
17.720	1708.55	0.0	1708.91	592.	0.	0.	0.	2418.	2490.	1923.	5325.	1592.
17.720	1709.28	0.73	1709.63	292.	300.	2250.	2550.	2418.	2490.	2149.	5394.	1297.
17.720	1708.72	0.0	1709.11	787.	0.	0.	0.	2406.	2504.	2221.	5938.	681.
17.720	1709.31	0.59	1709.92	279.	300.	2250.	2550.	2406.	2504.	1398.	7206.	236.
17.850	1709.84	0.0	1710.32	448.	0.	0.	0.	2269.	2365.	1403.	7315.	52.
17.850	1710.65	0.82	1711.14	240.	240.	2130.	2370.	2269.	2365.	1108.	7633.	29.
17.930	1710.75	0.0	1711.65	390.	0.	0.	0.	2269.	2365.	558.	8153.	19.
17.930	1711.46	0.71	1712.23	240.	240.	2130.	2370.	2269.	2365.	644.	8062.	25.
18.130	1715.15	0.0	1715.90	494.	0.	0.	0.	1951.	2048.	414.	6491.	1726.
18.130	1715.31	0.15	1716.30	240.	240.	1920.	2160.	1951.	2048.	176.	7237.	1217.
18.430	1724.16	0.0	1725.26	151.	0.	0.	0.	2717.	2818.	317.	8160.	4.
18.430	1724.53	0.36	1725.53	150.	150.	2673.	2823.	2717.	2818.	362.	8111.	7.
18.430	1724.57	0.0	1725.56	155.	0.	0.	0.	2717.	2818.	366.	8107.	7.
18.430	1724.88	0.31	1725.80	150.	150.	2673.	2823.	2717.	2818.	404.	8066.	10.
* 18.430	1729.81	0.0	1730.08	634.	0.	0.	0.	2717.	2818.	1188.	6967.	325.
* 18.430	1730.86	1.05	1731.17	150.	150.	2673.	2823.	2717.	2818.	887.	7550.	43.
18.430	1729.86	0.0	1730.10	635.	0.	0.	0.	2717.	2818.	1359.	6718.	403.
18.430	1730.89	1.03	1731.18	150.	150.	2673.	2823.	2717.	2818.	1016.	7411.	53.
18.550	1730.58	0.0	1731.05	556.	0.	0.	0.	2654.	2719.	2106.	5766.	538.
18.550	1731.58	0.99	1731.98	250.	260.	2490.	2750.	2654.	2719.	2146.	5670.	593.
18.650	1731.83	0.0	1732.68	180.	0.	0.	0.	2654.	2719.	1528.	6371.	461.
18.650	1732.54	0.71	1733.24	248.	260.	2490.	2750.	2654.	2719.	1662.	6199.	499.
18.930	1737.02	0.0	1737.22	1306.	0.	0.	0.	1959.	2072.	2308.	4665.	1246.
18.930	1737.69	0.67	1738.09	320.	320.	1940.	2260.	1959.	2072.	103.	6230.	1888.
19.030	1738.49	0.0	1739.22	953.	0.	0.	0.	1959.	2072.	689.	6437.	1044.
19.030	1739.45	0.96	1740.08	320.	320.	1940.	2260.	1959.	2072.	58.	6612.	1500.
19.280	1746.67	0.0	1747.14	526.	0.	0.	0.	913.	1074.	0.	6827.	1213.
19.280	1746.94	0.27	1747.64	167.	170.	912.	1082.	913.	1074.	0.	8028.	12.
19.280	1747.02	0.0	1747.71	159.	0.	0.	0.	913.	1074.	0.	8040.	0.
19.280	1747.45	0.43	1748.07	160.	170.	912.	1082.	913.	1074.	0.	8040.	0.
19.280	1746.95	0.0	1748.00	151.	0.	0.	0.	920.	1065.	0.	7934.	106.
19.280	1747.38	0.43	1748.35	141.	170.	912.	1082.	920.	1065.	0.	8040.	0.
19.280	1747.50	0.0	1748.40	151.	0.	0.	0.	920.	1065.	0.	7945.	95.
19.280	1747.90	0.40	1748.76	143.	170.	912.	1082.	920.	1065.	0.	8040.	0.
19.280	1747.97	0.0	1748.52	161.	0.	0.	0.	913.	1074.	0.	8040.	0.
19.280	1748.38	0.41	1748.88	161.	170.	912.	1082.	913.	1074.	0.	8040.	0.
19.280	1748.49	0.0	1748.69	670.	0.	0.	0.	913.	1074.	14.	5972.	2054.
19.280	1748.50	0.02	1748.98	170.	170.	912.	1082.	913.	1074.	0.	8006.	33.

MOD3

SECNO	CWSEL	DIFKWS	EG	TOPWID	PERENC	STENCL	STENCR	STCHL	STCHR	QLOB	QCH	QROB
* 19.550	1756.10	0.0	1757.51	604.	0.	0.	0.	97.	158.	44.	6067.	1789.
19.550	1755.71	-0.39	1758.27	210.	210.	91.	301.	97.	158.	44.	7210.	646.
19.870	1768.05	0.0	1768.87	315.	0.	0.	0.	730.	832.	421.	7211.	108.
19.870	1769.05	1.00	1769.76	140.	140.	710.	850.	730.	832.	236.	7348.	156.
19.870	1768.49	0.0	1769.32	248.	0.	0.	0.	720.	839.	15.	7725.	0.
19.870	1769.40	0.92	1770.09	121.	140.	710.	850.	720.	839.	1.	7737.	1.
19.870	1768.48	0.0	1769.38	244.	0.	0.	0.	720.	840.	17.	7723.	0.
19.870	1769.40	0.92	1770.13	118.	140.	710.	850.	720.	840.	0.	7740.	0.
19.870	1768.67	0.0	1769.52	261.	0.	0.	0.	720.	840.	39.	7701.	0.
19.870	1769.53	0.86	1770.25	120.	140.	710.	850.	720.	840.	0.	7740.	0.
19.870	1768.78	0.0	1769.54	276.	0.	0.	0.	720.	839.	62.	7678.	0.
19.870	1769.61	0.83	1770.26	121.	140.	710.	850.	720.	839.	2.	7736.	2.
19.870	1769.39	0.0	1769.67	867.	0.	0.	0.	730.	832.	1594.	5495.	651.
19.870	1769.80	0.41	1770.37	140.	140.	710.	850.	730.	832.	441.	7118.	181.
19.950	1770.00	0.0	1770.55	612.	0.	0.	0.	730.	832.	1025.	6426.	249.
19.950	1770.68	0.68	1771.34	140.	140.	710.	850.	730.	832.	418.	7136.	146.
20.040	1772.02	0.0	1773.81	163.	0.	0.	0.	845.	905.	1239.	5312.	49.
20.040	1772.51	0.49	1774.83	89.	100.	827.	927.	845.	905.	415.	6113.	73.
20.040	1773.50	0.0	1774.49	130.	0.	0.	0.	855.	926.	665.	5706.	226.
20.040	1774.64	1.14	1775.48	100.	100.	827.	927.	855.	926.	784.	5808.	8.
20.040	1773.54	0.0	1774.50	127.	0.	0.	0.	855.	926.	875.	5447.	278.
20.040	1774.65	1.12	1775.48	98.	100.	827.	927.	855.	926.	1055.	5535.	10.
20.060	1774.57	0.0	1775.44	129.	0.	0.	0.	855.	926.	913.	5375.	313.
20.060	1775.41	0.84	1776.23	101.	160.	767.	927.	855.	926.	1063.	5526.	10.
20.060	1774.54	0.0	1775.48	131.	0.	0.	0.	855.	926.	605.	5765.	230.
20.060	1775.40	0.86	1776.25	103.	160.	767.	927.	855.	926.	691.	5902.	7.
20.060	1774.97	0.0	1775.67	196.	0.	0.	0.	845.	905.	2184.	4289.	128.
20.060	1775.81	0.84	1776.38	160.	160.	760.	920.	845.	905.	2169.	4274.	156.
20.340	1778.47	0.0	1778.85	602.	0.	0.	0.	209.	267.	4047.	1698.	595.
20.340	1779.06	0.59	1779.66	170.	170.	110.	280.	209.	267.	4026.	2278.	36.
20.400	1779.33	0.0	1779.92	565.	0.	0.	0.	209.	267.	4211.	1841.	228.
20.400	1780.15	0.82	1780.85	170.	170.	110.	280.	209.	267.	3969.	2286.	25.
20.540	1783.51	0.0	1784.78	260.	0.	0.	0.	444.	514.	0.	3968.	2182.
20.540	1784.23	0.72	1787.00	86.	90.	443.	533.	444.	514.	0.	5799.	351.

SUMMARY OF ERRORS

CAUTION SECNO= 18.430 PROFILE= 1 HYDRAULIC JUMP D.S.

CAUTION SECNO= 18.430 PROFILE= 2 HYDRAULIC JUMP D.S.

CAUTION SECNO= 19.550 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 19.550 PROFILE= 1

PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 19.550 PROFILE= 1

20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 19.550 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 19.550 PROFILE= 2

PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 19.550 PROFILE= 2

20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 20.540 PROFILE= 2 CRITICAL DEPTH ASSUMED

FLOODWAY DATA VALLEY RIVER
 PROFILE NO. 2

STATION	WIDTH (FT)	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WATER SURFACE ELEVATION WITHOUT FLOODWAY	ELEVATION DIFFERENCE
15.140	560.	2265.	4.4	1660.3	1659.3	1.0
15.570	700.	1874.	5.2	1665.2	1664.4	0.8
16.020	620.	3033.	3.1	1672.5	1671.5	1.0
16.080	620.	2327.	4.1	1673.3	1672.4	0.9
16.200	620.	1943.	4.9	1676.9	1676.6	0.3
16.570	380.	2277.	4.1	1684.6	1683.6	1.0
17.000	350.	1780.	5.1	1690.9	1690.2	0.7
17.100	350.	1652.	5.5	1693.0	1692.6	0.4
17.460	370.	1783.	5.0	1702.1	1701.1	1.0
17.720	300.	1195.	7.4	1707.6	1706.6	1.0
17.720	300.	2006.	4.4	1708.7	1708.1	0.6
17.720	300.	1250.	7.1	1708.5	1707.9	0.6
17.720	300.	1261.	7.0	1708.7	1708.2	0.5
17.720	300.	2172.	4.1	1709.3	1708.5	0.8
17.720	300.	1653.	5.3	1709.3	1708.7	0.6
17.850	240.	1923.	4.6	1710.7	1709.8	0.9
17.930	240.	1468.	5.9	1711.5	1710.8	0.7
18.130	240.	1300.	6.6	1715.3	1715.2	0.1
18.430	150.	1127.	7.5	1724.5	1724.2	0.3
18.430	150.	1180.	7.2	1724.9	1724.6	0.3
18.430	150.	2077.	4.1	1730.9	1729.8	1.1
18.430	150.	2083.	4.1	1730.9	1729.9	1.0
18.550	260.	2000.	4.2	1731.6	1730.6	1.0
18.650	260.	1467.	5.7	1732.5	1731.8	0.7
18.930	320.	1988.	4.1	1737.7	1737.0	0.7
19.030	320.	1591.	5.1	1739.5	1738.5	1.0
19.280	170.	1203.	6.7	1746.9	1746.7	0.2
19.280	170.	1275.	6.3	1747.4	1747.0	0.4
19.280	170.	1018.	7.9	1747.4	1747.0	0.4
19.280	170.	1079.	7.4	1747.9	1747.5	0.4
19.280	170.	1426.	5.6	1748.4	1748.0	0.4
19.280	170.	1469.	5.5	1748.5	1748.5	0.0
19.550	210.	743.	10.6	1756.1	1756.1	0.0
19.870	140.	1249.	6.2	1769.1	1768.1	1.0
19.870	140.	1173.	6.6	1769.4	1768.5	0.9
19.870	140.	1123.	6.9	1769.4	1768.5	0.9
19.870	140.	1137.	6.8	1769.5	1768.7	0.8
19.870	140.	1197.	6.5	1769.6	1768.8	0.8
19.870	140.	1352.	5.7	1769.8	1769.4	0.4
19.950	140.	1238.	6.2	1770.7	1770.0	0.7
20.040	100.	573.	11.5	1772.5	1772.0	0.5
20.040	100.	933.	7.1	1774.6	1773.5	1.1
20.040	100.	913.	7.2	1774.7	1773.5	1.2
20.060	160.	920.	7.2	1775.4	1774.6	0.8
20.060	160.	943.	7.0	1775.4	1774.5	0.9
20.060	160.	1228.	5.4	1775.8	1775.0	0.8
20.340	170.	1048.	6.0	1779.1	1778.5	0.6
20.400	170.	963.	6.5	1780.2	1779.3	0.9
20.540	90.	479.	12.8	1784.2	1783.5	0.7

..

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

T1	ANDREWS NC LFS	VALLEY									5
T2	10 YEAR FLOOD	MARCH 1981	BCH								10
T3	VALLEY RIVER	FLOOD PROFILES									15
J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	USEL	FQ	
	0.	2.	0.	0.	0.00266	0.	0.0	5560.	1658.00	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										
	150.00	0.0	160.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
NC	0.070	0.060	0.050	0.1	0.5						35
QT	6.	5560.	8480.	9890.	13580.	35000.	9890.	0.	0.	0.	40
X1	15.14	38.	684.	758.	0.	0.	0.	0.0	0.0	0.	45
GR	1676.4	0.	1673.2	70.	1670.9	161.	1669.5	240.	1670.3	298.	50
GR	1671.1	367.	1668.7	448.	1665.2	544.	1664.4	599.	1660.3	643.	55
GR	1658.4	675.	1653.0	684.	1650.6	688.	1648.4	689.	1648.4	741.	60
GR	1650.6	742.	1652.9	758.	1654.2	828.	1658.0	844.	1657.8	877.	65
GR	1658.1	946.	1658.2	1088.	1657.9	1234.	1657.5	1343.	1657.0	1501.	70
GR	1657.3	1642.	1658.9	1779.	1657.5	1884.	1657.5	1925.	1668.0	2000.	75
GR	1668.0	3195.	1668.0	3234.	1668.0	3252.	1666.4	3275.	1669.1	3404.	80
GR	1672.9	3539.	1674.9	3637.	1676.8	3728.	0.0	0.	0.0	0.	85
NC	0.065	0.060	0.050	0.0	0.0						90
QT	6.	5460.	8330.	9720.	13350.	34420.	9720.	0.	0.	0.	95
X1	15.57	43.	912.	997.	1340.	1340.	1340.	0.0	0.0	0.	100
GR	1681.5	0.	1674.8	56.	1672.3	79.	1663.0	123.	1663.0	139.	105
GR	1663.0	150.	1663.0	159.	1663.0	175.	1663.8	179.	1662.0	257.	110
GR	1663.7	368.	1662.7	535.	1662.5	649.	1662.9	757.	1664.5	861.	115
GR	1665.6	908.	1663.8	912.	1657.4	926.	1656.3	927.	1656.3	974.	120
GR	1657.4	976.	1663.9	997.	1664.2	1054.	1662.6	1152.	1663.4	1222.	125
GR	1658.4	1239.	1659.0	1267.	1665.4	1285.	1661.9	1297.	1662.5	1400.	130
GR	1663.3	1520.	1662.5	1608.	1663.9	1663.	1663.0	1673.	1663.0	1690.	135
GR	1671.0	1732.	1672.6	1764.	1673.3	1797.	1671.4	1807.	1674.1	1827.	140
GR	1674.6	1850.	1674.6	2925.	1680.6	2991.	0.0	0.	0.0	0.	145
NC	0.080	0.070	0.050	0.0	0.0						150
QT	6.	5350.	8170.	9530.	13100.	33790.	9530.	0.	0.	0.	155
X1	16.02	33.	408.	482.	1990.	1990.	1990.	0.0	0.0	0.	160
GR	1688.7	0.	1681.6	35.	1668.4	93.	1666.5	158.	1666.2	244.	165

B01

GR	1667.8	340.	1669.6	394.	1670.7	408.	1662.0	422.	1660.2	423.	170
GR	1660.2	439.	1660.2	452.	1662.0	453.	1670.0	482.	1668.0	546.	175
GR	1668.9	634.	1668.8	736.	1668.9	858.	1669.9	991.	1668.9	1133.	180
GR	1669.0	1241.	1669.3	1256.	1675.4	1298.	1679.2	1326.	1679.1	1349.	185
GR	1677.9	1357.	1678.1	1365.	1679.2	1379.	1680.0	1414.	1680.0	2650.	190
GR	1681.1	2686.	1680.3	2698.	1683.6	2710.	0.0	0.	0.0	0.	195
QT	6.	5330.	8150.	9510.	13080.	33720.	9510.	0.	0.	0.	200
X1	16.08	0.	0.	0.	320.	320.	320.	0.0	2.00	0.	205
NC	0.070	0.070	0.055	0.0	0.0						210
QT	6.	5310.	8110.	9460.	13010.	33560.	9460.	0.	0.	0.	215
X1	16.20	0.	0.	0.	640.	640.	640.	0.0	4.20	0.	220
QT	6.	5220.	7980.	9310.	12820.	33060.	9310.	0.	0.	0.	225
X1	16.57	32.	711.	810.	2050.	2050.	2050.	0.0	0.0	0.	230
GR	1698.4	0.	1690.1	60.	1683.2	88.	1688.4	110.	1688.5	117.	235
GR	1682.3	146.	1682.5	252.	1681.3	338.	1684.8	348.	1679.9	360.	240
GR	1680.1	366.	1680.2	375.	1680.6	475.	1680.5	591.	1679.7	673.	245
GR	1680.5	711.	1672.3	734.	1670.2	735.	1670.3	770.	1672.3	770.	250
GR	1680.0	810.	1684.1	816.	1679.7	838.	1679.7	912.	1680.8	966.	255
GR	1678.9	995.	1679.2	1008.	1685.8	1028.	1689.6	1074.	1689.6	3025.	260
GR	1691.6	3060.	1698.0	3094.	0.0	0.	0.0	0.	0.0	0.	265
NC	0.090	0.060	0.055	0.0	0.0						270
QT	6.	5110.	7820.	9130.	12590.	32480.	9130.	0.	0.	0.	275
X1	17.00	28.	553.	641.	2340.	2340.	2340.	0.0	0.0	0.	280
GR	1705.8	0.	1702.6	101.	1698.9	206.	1691.5	338.	1689.2	471.	285
GR	1690.5	553.	1681.8	561.	1680.3	561.	1680.3	587.	1680.2	614.	290
GR	1681.8	616.	1688.5	641.	1687.1	684.	1682.1	700.	1682.6	722.	295
GR	1687.8	750.	1688.0	852.	1688.3	961.	1689.6	1103.	1690.4	1251.	300
GR	1689.7	1434.	1690.4	1574.	1690.6	1634.	1694.6	1687.	1700.1	1742.	305
GR	1700.1	3720.	1703.4	3752.	1704.3	3799.	0.0	0.	0.0	0.	310
QT	6.	5080.	7790.	9090.	12530.	32340.	9090.	0.	0.	0.	315
X1	17.10	0.	0.	0.	530.	530.	530.	0.0	2.40	0.	320
NC	0.075	0.065	0.055	0.0	0.0						325
QT	6.	5000.	7660.	8950.	12340.	31850.	8950.	0.	0.	0.	330
X1	17.46	52.	1529.	1619.	2170.	2170.	2170.	0.0	0.0	0.	335
GR	1707.2	45.	1704.0	81.	1702.2	135.	1702.2	385.	1701.0	407.	340
GR	1701.2	452.	1700.1	496.	1701.6	590.	1701.6	675.	1699.9	740.	345
GR	1699.6	799.	1699.9	856.	1700.3	928.	1699.7	990.	1700.2	1064.	350
GR	1698.1	1131.	1697.1	1143.	1697.3	1158.	1697.3	1174.	1696.9	1258.	355
GR	1697.5	1317.	1699.1	1379.	1699.1	1422.	1698.1	1464.	1698.7	1511.	360
GR	1699.5	1529.	1691.8	1544.	1691.0	1545.	1690.9	1570.	1690.9	1601.	365
GR	1691.8	1602.	1700.4	1619.	1699.8	1645.	1699.4	1682.	1699.8	1723.	370
GR	1700.1	1758.	1699.7	1792.	1700.8	1826.	1699.9	1845.	1704.5	1860.	375
GR	1704.5	3485.	1704.5	3600.	1705.4	3624.	1705.4	3661.	1706.1	3720.	380
GR	1707.9	3784.	1713.3	3804.	1713.2	3826.	1710.2	3831.	1712.8	3838.	385
GR	1713.8	3885.	1717.6	3968.	0.0	0.	0.0	0.	0.0	0.	390
NC	0.065	0.075	0.055	0.0	0.0						395
QT	6.	4940.	7570.	8840.	12200.	31500.	8840.	0.	0.	0.	400

C01

X1	17.72	32.	2406.	2504.	1180.	1180.	1180.	0.0	0.0	0.	405
GR	1720.0	500.	1713.0	1500.	1709.1	2048.	1707.7	2086.	1705.7	2113.	410
GR	1705.0	2157.	1705.4	2203.	1705.7	2257.	1705.6	2302.	1706.4	2330.	415
GR	1711.2	2353.	1711.4	2359.	1704.6	2380.	1703.5	2406.	1695.3	2417.	420
GR	1694.4	2417.	1694.4	2433.	1694.4	2457.	1695.3	2457.	1701.3	2476.	425
GR	1706.9	2504.	1706.6	2567.	1706.9	2650.	1707.8	2740.	1708.1	2809.	430
GR	1708.4	2854.	1709.1	2892.	1713.0	2914.	1714.5	2933.	1715.1	2964.	435
GR	1715.1	4110.	1723.4	4154.	0.0	0.	0.0	0.	0.0	0.	440

X1	17.72	33.	2418.	2490.	100.	100.	100.	0.0	0.0	0.	445
GR	1714.7	1320.	1713.6	1620.	1712.4	1920.	1711.5	2220.	1701.4	2392.	450
GR	1700.7	2404.	1698.0	2404.	1697.0	2413.	1697.4	2418.	1695.7	2425.	455
GR	1694.8	2435.	1695.0	2445.	1694.4	2455.	1697.5	2472.	1697.9	2482.	460
GR	1697.8	2490.	1700.3	2497.	1700.3	2500.	1698.9	2505.	1700.1	2509.	465
GR	1700.3	2518.	1705.0	2530.	1706.6	2567.	1706.9	2650.	1707.8	2740.	470
GR	1708.1	2809.	1708.4	2854.	1709.1	2892.	1713.0	2914.	1714.5	2933.	475
GR	1715.1	2964.	1715.1	4110.	1723.4	4154.	0.0	0.	0.0	0.	480

X1	17.72	49.	2418.	2490.	1.	1.	1.	0.0	0.0	0.	485
BT	10.0	2392.0	1711.1	0.0	2392.0	1711.1	1708.6	2400.0	1711.1	1708.6	490
BT	2400.0	1711.1	1708.8	2414.0	1711.1	1708.8	2414.0	1714.3	1707.0	2496.0	495
BT	1714.3	1707.0	2496.0	1711.0	1708.3	2518.0	1711.0	1708.3	2530.0	1705.0	500
BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	505
GR	1714.7	1320.	1713.6	1620.	1712.4	1920.	1711.5	2320.	1711.1	2392.	510
GR	1711.4	2392.	1700.8	2400.	1708.8	2400.	1708.8	2401.	1700.8	2401.	515
GR	1700.7	2403.	1708.8	2403.	1708.8	2404.	1700.7	2404.	1698.0	2404.	520
GR	1697.0	2413.	1697.1	2414.	1707.0	2414.	1707.0	2418.	1697.4	2418.	525
GR	1695.7	2425.	1697.8	2435.	1695.0	2445.	1694.4	2455.	1697.5	2472.	530
GR	1697.9	2482.	1697.8	2490.	1707.0	2490.	1707.0	2496.	1700.3	2496.	535
GR	1700.3	2500.	1698.9	2505.	1700.1	2509.	1708.3	2509.	1708.3	2510.	540
GR	1700.1	2510.	1700.3	2518.	1705.0	2530.	1706.6	2567.	1706.9	2650.	545
GR	1707.8	2740.	1708.1	2809.	1708.4	2854.	1709.1	2892.	1713.0	2914.	550
GR	1714.5	2933.	1715.1	2964.	1715.1	4110.	1723.4	4154.	0.0	0.	555

X1	17.72	0.	0.	0.	18.	18.	18.	0.0	0.0	0.	560
X2	0.	0.0	0.	0.0	0.0	0.0	1.	0.0	0.0	0.	565
NC	0.065	0.070	0.055	0.0	0.0	0.0	0.0	0.0	0.0	0.	570

X1	17.72	33.	2418.	2490.	1.	1.	1.	0.0	0.0	0.	575
GR	1714.7	1320.	1713.6	1620.	1712.4	1920.	1711.5	2220.	1701.4	2392.	580
GR	1700.7	2404.	1698.0	2404.	1697.0	2413.	1697.4	2418.	1695.7	2425.	585
GR	1694.8	2435.	1695.0	2445.	1694.4	2455.	1697.5	2472.	1697.9	2482.	590
GR	1697.8	2490.	1700.3	2497.	1700.3	2500.	1698.9	2505.	1700.1	2509.	595
GR	1700.3	2518.	1705.0	2530.	1706.6	2567.	1706.9	2650.	1707.8	2740.	600
GR	1708.1	2809.	1708.4	2854.	1709.1	2892.	1713.0	2914.	1714.5	2933.	605
GR	1715.1	2964.	1715.1	4110.	1723.4	4154.	0.0	0.	0.0	0.	610

X1	17.72	32.	2406.	2504.	50.	400.	50.	0.0	0.0	0.	615
GR	1720.0	500.	1713.0	1500.	1709.1	2048.	1707.7	2086.	1705.7	2113.	620
GR	1705.0	2157.	1705.4	2203.	1705.7	2257.	1705.6	2302.	1706.4	2330.	625
GR	1711.2	2353.	1711.4	2359.	1704.6	2380.	1703.5	2406.	1695.3	2417.	630
GR	1694.4	2417.	1694.4	2433.	1694.4	2457.	1695.3	2457.	1701.3	2476.	635
GR	1706.9	2504.	1706.6	2567.	1706.9	2650.	1707.8	2740.	1708.1	2809.	640
GR	1708.4	2854.	1709.1	2892.	1713.0	2914.	1714.5	2933.	1715.1	2964.	645

D01

GR	1715.1	4110.	1723.4	4154.	0.0	0.	0.0	0.	0.0	0.	650
NC	0.090	0.090	0.055	0.0	0.0						655
QT	6.	4900.	7510.	8770.	12110.	31300.	8770.	0.	0.	0.	660

X1	17.85	38.	2269.	2365.	570.	220.	570.	0.0	0.0	0.	665
GR	1725.0	850.	1720.0	850.	1718.3	850.	1717.9	878.	1715.5	910.	670
GR	1712.6	1476.	1712.0	1510.	1712.0	1690.	1712.0	1954.	1709.1	1970.	675
GR	1707.0	1994.	1707.0	2063.	1707.5	2107.	1707.0	2160.	1705.9	2198.	680
GR	1705.9	2254.	1704.5	2269.	1698.4	2277.	1696.0	2277.	1696.0	2304.	685
GR	1696.0	2348.	1705.0	2365.	1710.3	2378.	1710.7	2389.	1709.1	2393.	690
GR	1709.0	2426.	1715.3	2445.	1715.6	2452.	1726.2	2453.	1727.3	2478.	695
GR	1714.2	2485.	1714.2	2523.	1714.0	2530.	1714.0	2700.	1715.1	2710.	700
GR	1715.5	2734.	1715.5	3355.	1728.9	3429.	0.0	0.	0.0	0.	705
NC	0.085	0.070	0.055	0.0	0.0						710
QT	6.	4880.	7480.	8730.	12060.	31180.	8730.	0.	0.	0.	715

X1	17.93	0.	0.	0.	430.	430.	430.	0.0	2.70	0.	720
NC	0.100	0.080	0.055	0.0	0.0						725
QT	6.	4820.	7390.	8630.	11920.	30880.	8630.	0.	0.	0.	730

X1	18.13	39.	1951.	2048.	940.	940.	940.	0.0	0.0	0.	735
GR	1735.0	1000.	1720.2	1000.	1720.2	1200.	1720.2	1304.	1716.9	1311.	740
GR	1718.1	1322.	1717.9	1345.	1717.2	1405.	1718.0	1490.	1717.0	1581.	745
GR	1717.0	1619.	1717.0	1645.	1717.0	1720.	1717.0	1777.	1716.4	1796.	750
GR	1713.8	1816.	1713.1	1847.	1714.3	1886.	1712.2	1924.	1713.2	1951.	755
GR	1706.2	1956.	1705.2	1956.	1705.2	1993.	1705.2	2020.	1706.2	2020.	760
GR	1712.5	2048.	1711.9	2083.	1711.8	2158.	1713.4	2232.	1713.3	2292.	765
GR	1719.8	2319.	1719.9	2387.	1719.0	2420.	1719.0	2515.	1720.4	2540.	770
GR	1721.4	2567.	1721.4	2665.	1722.5	2670.	1730.5	2689.	0.0	0.	775
NC	0.080	0.075	0.055	0.0	0.0						780
QT	6.	4730.	7260.	8480.	11720.	30420.	8480.	0.	0.	0.	785

X1	18.43	25.	2717.	2818.	1720.	1720.	1720.	0.0	0.0	0.	790
GR	1745.0	1850.	1729.0	1850.	1729.0	2100.	1745.0	2100.	1745.0	2528.	795
GR	1728.9	2538.	1728.1	2589.	1726.6	2658.	1721.6	2687.	1720.3	2717.	800
GR	1717.0	2735.	1712.2	2744.	1712.2	2800.	1714.1	2800.	1717.0	2805.	805
GR	1722.9	2818.	1726.4	2833.	1726.6	2854.	1728.1	2891.	1730.1	2926.	810
GR	1730.1	3160.	1730.1	3220.	1730.6	3240.	1735.6	3256.	1745.0	3260.	815

X1	18.43	0.	0.	0.	250.	50.	50.	0.0	0.0	0.	820
X3	10.	0.0	0.0	0.	0.0	0.	0.0	1723.7	1723.7		825
SB	1.25	1.60	3.00	0.	42.00	4.00	490.00	0.0	1712.9	1712.9	830

X1	18.43	0.	0.	0.	32.	32.	32.	0.0	0.0	0.	835
X2	0.	0.0	1.	1725.8	1728.8	0.0	0.	0.0	0.0	0.	840
X3	10.	0.0	0.0	0.	0.0	0.	0.0	1728.3	1728.8		845
BT	23.0	1700.0	1740.0	0.0	1800.0	1729.0	0.0	1900.0	1729.0	0.0	850
BT	1980.0	1729.0	0.0	1980.0	1745.0	0.0	2280.0	1745.0	0.0	2280.0	855
BT	1728.8	0.0	2400.0	1729.6	0.0	2400.0	1745.0	0.0	2500.0	1745.0	860
BT	0.0	2500.0	1735.2	0.0	2615.0	1730.2	0.0	2615.0	1731.6	0.0	865
BT	2660.0	1731.6	0.0	2660.0	1730.2	0.0	2713.0	1730.0	0.0	2863.0	870
BT	1729.5	0.0	2908.0	1729.8	0.0	3003.0	1729.1	0.0	3225.0	1732.1	875
BT	0.0	3240.0	1730.6	0.0	3256.0	1735.6	0.0	3260.0	1745.0	0.0	880
NC	0.075	0.065	0.060	0.0	0.0						885

E01

X1	18.43	0.	0.	0.	20.	20.	20.	0.0	0.0	0.	890
NC	0.080	0.075	0.055	0.0	0.0						895
QT	6.	4690.	7200.	8410.	11640.	30240.	8410.	0.	0.	0.	900
X1	18.55	70.	2654.	2719.	650.	650.	650.	0.0	0.0	0.	905
GR	1760.0	700.	1755.0	700.	1750.0	700.	1746.0	700.	1745.7	700.	910
GR	1736.5	716.	1733.5	774.	1734.3	831.	1733.0	925.	1733.1	940.	915
GR	1741.5	944.	1746.8	960.	1741.9	975.	1732.5	982.	1730.8	1011.	920
GR	1731.9	1054.	1732.1	1098.	1739.9	1102.	1745.8	1117.	1740.1	1132.	925
GR	1732.4	1139.	1731.2	1204.	1741.4	1209.	1745.4	1224.	1740.7	1239.	930
GR	1731.7	1248.	1730.4	1296.	1730.7	1356.	1730.6	1371.	1739.4	1372.	935
GR	1746.1	1401.	1739.2	1425.	1731.4	1431.	1729.4	1445.	1729.8	1487.	940
GR	1750.0	1497.	1750.0	1571.	1750.0	1517.	1750.0	1610.	1750.0	1832.	945
GR	1742.4	1832.	1729.8	1839.	1728.9	1922.	1729.5	1968.	1730.6	1998.	950
GR	1729.7	2035.	1729.5	2050.	1750.0	2050.	1750.0	2500.	1729.3	2500.	955
GR	1729.2	2514.	1728.6	2581.	1723.0	2597.	1721.9	2654.	1716.4	2658.	960
GR	1715.3	2658.	1715.3	2683.	1715.3	2705.	1716.4	2705.	1725.8	2719.	965
GR	1721.8	2725.	1720.6	2729.	1724.6	2737.	1732.0	2754.	1732.5	2829.	970
GR	1730.7	2857.	1733.7	2875.	1734.0	2901.	1734.0	3000.	1743.5	3025.	975
QT	6.	4650.	7160.	8360.	11570.	30080.	8360.	0.	0.	0.	980
X1	18.65	0.	0.	0.	530.	530.	530.	0.0	3.10	0.	985
NC	0.080	0.095	0.060	0.0	0.0						990
QT	6.	4580.	7030.	8220.	11380.	29660.	8220.	0.	0.	0.	995
X1	18.93	65.	1959.	2072.	1670.	1670.	1670.	0.0	0.0	0.	1000
GR	1748.3	0.	1747.8	41.	1743.8	103.	1742.7	116.	1743.9	135.	1005
GR	1744.6	163.	1744.5	197.	1743.3	246.	1743.7	347.	1742.5	432.	1010
GR	1742.8	508.	1742.7	599.	1741.8	695.	1738.9	763.	1737.2	819.	1015
GR	1736.4	840.	1740.0	854.	1737.8	866.	1737.9	954.	1736.8	996.	1020
GR	1736.3	1053.	1736.7	1108.	1736.9	1140.	1735.0	1186.	1734.8	1236.	1025
GR	1734.8	1239.	1734.8	1242.	1735.7	1253.	1734.4	1334.	1734.9	1427.	1030
GR	1734.6	1495.	1733.9	1553.	1734.7	1638.	1735.9	1724.	1735.2	1791.	1035
GR	1736.8	1842.	1735.0	1862.	1734.4	1916.	1734.8	1959.	1727.7	1980.	1040
GR	1726.7	1980.	1726.7	2017.	1726.7	2057.	1727.7	2057.	1733.1	2072.	1045
GR	1733.7	2155.	1734.1	2223.	1730.2	2231.	1730.3	2245.	1734.1	2258.	1050
GR	1737.6	2278.	1739.7	2289.	1741.2	2314.	1742.7	2337.	1741.8	2349.	1055
GR	1741.0	2357.	1742.1	2370.	1742.7	2380.	1742.9	2402.	1742.9	2419.	1060
GR	1742.9	2690.	1744.8	2705.	1745.5	2726.	1745.1	2732.	1749.3	2747.	1065
QT	6.	4550.	6990.	8170.	11310.	29510.	8170.	0.	0.	0.	1070
X1	19.03	0.	0.	0.	530.	530.	530.	0.0	3.00	0.	1075
NC	0.075	0.100	0.055	0.3	0.8						1080
QT	6.	4480.	6880.	8040.	11150.	29140.	8040.	0.	0.	0.	1085
X1	19.28	44.	913.	1074.	1630.	1630.	1630.	0.0	0.0	0.	1090
GR	1763.4	229.	1755.7	233.	1755.0	52.3	1752.3	263.	1752.3	338.	1095
GR	1752.3	424.	1752.3	496.	1752.4	519.	1752.4	542.	1749.7	628.	1100
GR	1749.2	689.	1747.8	913.	1743.5	924.	1737.7	936.	1736.6	936.	1105
GR	1736.6	974.	1736.6	1015.	1737.7	1015.	1742.0	1032.	1742.6	1056.	1110
GR	1745.3	1074.	1746.4	1089.	1745.1	1104.	1744.3	1154.	1744.7	1221.	1115
GR	1744.7	1299.	1744.7	1311.	1744.7	1363.	1744.7	1378.	1741.8	1390.	1120
GR	1740.6	1393.	1741.0	1404.	1745.7	1418.	1747.2	1455.	1747.8	1483.	1125

F01

GR	1749.9	1515.	1751.2	1559.	1751.6	1570.	1749.9	1574.	1750.0	1578.	1130
GR	1751.8	1585.	1751.8	2300.	1755.7	2341.	1760.8	2373.	0.0	0.	1135
X1	19.28	0.	0.	0.	100.	100.	100.	0.0	0.0	0.	1140
X3	10.	0.0	0.0	0.	0.0	0.	0.0	1748.2	1748.5		1145
NC	0.055	0.055	0.055	0.0	0.0						1150
X1	19.28	40.	920.	1065.	1.	1.	1.	0.0	0.0	0.	1155
BT	13.0	917.0	1751.2	0.0	917.0	1752.2	0.0	920.0	1752.2	0.0	1160
BT	920.0	1752.0	1747.5	1065.0	1752.2	1748.4	1065.0	1752.2	0.0	1070.0	1165
BT	1752.2	0.0	1070.0	1751.5	0.0	1115.0	1751.1	0.0	1290.0	1749.8	1170
BT	0.0	1290.0	1749.8	1743.9	1300.0	1749.8	1743.9	1300.0	1749.8	0.0	1175
GR	1760.0	200.	1752.3	263.	1752.4	519.	1750.8	542.	1749.7	628.	1180
GR	1749.2	689.	1750.5	870.	1751.2	917.	1747.5	920.	1745.5	920.	1185
GR	1742.0	947.	1738.6	963.	1747.8	963.	1747.8	965.	1738.6	965.	1190
GR	1738.0	970.	1738.1	980.	1737.8	990.	1736.9	1000.	1736.6	1010.	1195
GR	1736.6	1021.	1748.1	1021.	1748.1	1023.	1736.6	1023.	1736.6	1025.	1200
GR	1738.5	1035.	1745.2	1055.	1745.8	1065.	1748.4	1065.	1751.5	1070.	1205
GR	1751.1	1115.	1749.8	1290.	1740.4	1290.	1740.4	1300.	1749.8	1300.	1210
GR	1749.5	1470.	1750.5	1545.	1751.9	1587.	1751.9	2300.	1760.9	2370.	1215
X1	19.28	0.	0.	0.	38.	38.	38.	0.0	0.0	0.	1220
X2	0.	0.0	0.	0.0	0.0	0.0	1.	0.0	0.0	0.	1225
NC	0.070	0.085	0.055	0.0	0.0						1230
X1	19.28	41.	913.	1074.	1.	1.	1.	0.0	0.0	0.	1235
X3	10.	0.0	0.0	0.	0.0	0.	0.0	1749.2	1749.5		1240
GR	1763.4	229.	1755.7	233.	1755.0	247.	1752.3	263.	1752.3	338.	1245
GR	1752.3	424.	1752.3	496.	1752.4	519.	1750.8	542.	1749.7	628.	1250
GR	1749.2	689.	1747.8	913.	1743.5	924.	1737.7	936.	1736.6	936.	1255
GR	1736.6	974.	1736.6	1015.	1737.7	1015.	1742.0	1032.	1742.6	1056.	1260
GR	1745.3	1074.	1746.4	1089.	1745.1	1104.	1744.3	1154.	1744.7	1221.	1265
GR	1745.2	1248.	1749.4	1273.	1748.9	1289.	1746.1	1299.	1745.2	1311.	1270
GR	1744.2	1353.	1744.7	1378.	1741.8	1390.	1740.6	1393.	1741.0	1404.	1275
GR	1745.8	1420.	1747.8	1480.	1751.6	1570.	1751.6	2300.	1755.7	2341.	1280
GR	1760.8	2373.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	1285
X1	19.28	0.	0.	0.	40.	40.	40.	0.0	0.0	0.	1290
NC	0.080	0.100	0.060	0.1	0.5						1295
QT	6.	4390.	6760.	7900.	10960.	28720.	7900.	0.	0.	0.	1300
X1	19.55	35.	97.	158.	1060.	1060.	1060.	0.0	0.0	0.	1305
GR	1776.0	0.	1770.1	17.	1763.6	39.	1759.7	57.	1757.3	89.	1310
GR	1751.5	97.	1746.5	97.	1746.5	121.	1746.5	150.	1748.1	150.	1315
GR	1750.8	158.	1753.8	188.	1755.2	242.	1755.3	278.	1755.6	325.	1320
GR	1755.0	387.	1755.9	445.	1756.7	522.	1756.6	563.	1756.3	593.	1325
GR	1755.2	636.	1755.0	684.	1753.9	727.	1753.8	771.	1753.9	792.	1330
GR	1752.3	807.	1752.5	815.	1757.8	839.	1761.7	860.	1762.3	903.	1335
GR	1759.9	915.	1760.0	922.	1762.5	937.	1762.5	3020.	1770.2	3075.	1340
NC	0.140	0.070	0.060	0.3	0.8						1345
QT	6.	4300.	6620.	7740.	10740.	28230.	7740.	0.	0.	0.	1350
X1	19.87	28.	730.	832.	1590.	1590.	1590.	0.0	0.0	0.	1355

601

GR	1775.5	238.	1775.5	246.	1775.5	254.	1769.7	298.	1769.7	308.	1360
GR	1767.5	369.	1767.5	400.	1780.0	400.	1780.0	600.	1767.5	600.	1365
GR	1767.5	602.	1767.5	604.	1766.9	620.	1766.9	656.	1766.9	682.	1370
GR	1765.0	700.	1761.5	730.	1759.1	737.	1758.3	737.	1758.3	824.	1375
GR	1759.1	824.	1762.0	832.	1767.9	844.	1768.3	909.	1768.3	927.	1380
GR	1768.3	1174.	1770.8	1196.	1780.0	1300.	0.0	0.	0.0	0.	1385
NC	0.100	0.070	0.055	0.0	0.0						1390

X1	19.87	27.	720.	839.	100.	100.	100.	0.0	0.0	0.	1395
X3	10.	0.0	0.0	0.	0.0	0.	0.0	1767.8	1769.1		1400
GR	1781.0	0.	1777.5	80.	1775.5	255.	1770.5	340.	1768.2	440.	1405
GR	1768.2	540.	1771.5	719.	1760.9	720.	1760.9	726.	1759.0	730.	1410
GR	1758.5	735.	1758.9	750.	1759.6	755.	1759.9	770.	1759.8	790.	1415
GR	1759.2	800.	1759.4	805.	1759.0	810.	1759.0	815.	1760.3	824.	1420
GR	1758.3	828.	1763.0	839.	1771.8	840.	1769.5	1040.	1769.5	1140.	1425
GR	1770.8	1240.	1780.0	1300.	0.0	0.	0.0	0.	0.0	0.	1430

X1	19.87	37.	720.	840.	1.	1.	1.	0.0	0.0	0.	1435
BT	4.0	720.0	1769.9	0.0	720.0	1772.7	1769.5	840.0	1773.2	1769.6	1440
BT	840.0	1772.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1445
GR	1781.0	0.	1777.5	80.	1775.5	255.	1770.5	340.	1768.2	440.	1450
GR	1768.2	540.	1770.8	670.	1771.5	720.	1769.9	720.	1760.9	726.	1455
GR	1759.0	730.	1758.5	735.	1758.9	750.	1759.6	755.	1759.7	760.	1460
GR	1769.5	760.	1769.5	761.	1759.7	761.	1759.9	770.	1759.8	790.	1465
GR	1759.2	800.	1769.5	800.	1769.5	801.	1759.2	801.	1759.4	805.	1470
GR	1759.0	810.	1759.0	815.	1760.3	824.	1758.3	828.	1763.0	839.	1475
GR	1769.5	840.	1772.0	840.	1771.4	875.	1769.5	1040.	1769.5	1140.	1480
GR	1770.8	1240.	1780.0	1300.	0.0	0.	0.0	0.	0.0	0.	1485

X1	19.87	0.	0.	0.	20.	20.	20.	0.0	0.0	0.	1490
X2	0.	0.0	0.	0.0	0.0	0.0	1.	0.0	0.0	0.	1495
NC	0.070	0.065	0.055	0.1	0.5						1500

X1	19.87	27.	720.	839.	1.	1.	1.	0.0	0.0	0.	1505
X3	10.	0.0	0.0	0.	0.0	0.	0.0	1768.2	1769.5		1510
GR	1781.0	0.	1777.5	80.	1775.5	255.	1770.5	340.	1768.2	440.	1515
GR	1768.2	540.	1771.5	719.	1760.9	720.	1760.9	726.	1759.0	730.	1520
GR	1758.5	735.	1758.9	750.	1759.6	755.	1759.9	770.	1759.8	790.	1525
GR	1759.2	800.	1759.4	805.	1759.0	810.	1759.0	815.	1760.3	824.	1530
GR	1758.3	828.	1763.0	839.	1771.8	840.	1769.5	1040.	1769.5	1140.	1535
GR	1770.8	1240.	1780.0	1300.	0.0	0.	0.0	0.	0.0	0.	1540

X1	19.87	30.	730.	832.	40.	40.	40.	0.0	0.0	0.	1545
JR	1781.0	0.	1777.5	82.	1776.0	205.	1774.4	227.	1775.5	230.	1550
GR	1775.5	238.	1775.5	246.	1775.5	254.	1769.7	298.	1769.7	308.	1555
GR	1767.5	369.	1767.5	494.	1767.5	604.	1765.2	645.	1766.9	656.	1560
GR	1766.9	682.	1765.0	700.	1761.5	730.	1759.1	737.	1758.3	737.	1565
GR	1758.3	824.	1759.1	824.	1762.0	832.	1767.9	844.	1768.3	909.	1570
GR	1768.3	927.	1768.3	1124.	1765.0	1145.	1770.8	1196.	1780.0	1300.	1575
QT	6.	4270.	6580.	7700.	10690.	28110.	7700.	0.	0.	0.	1580

X1	19.95	0.	0.	0.	370.	370.	370.	0.0	1.70	0.	1585
NC	0.060	0.075	0.055	0.0	0.0						1590
QT	6.	3640.	5630.	6600.	9230.	25360.	6600.	0.	0.	0.	1595

HD1

X1	20.04	12.	845.	905.	520.	520.	520.	0.0	0.0	0.	1600
GR	1790.0	600.	1771.0	760.	1769.4	785.	1768.7	845.	1765.1	855.	1605
GR	1762.1	880.	1765.1	900.	1768.6	905.	1779.7	935.	1779.7	1585.	1610
GR	1781.5	1670.	1790.0	2000.	0.0	0.	0.0	0.	0.0	0.	1615
X1	20.04	23.	855.	926.	80.	80.	80.	0.0	-0.70	0.	1620
GR	1791.0	600.	1786.4	800.	1784.2	803.	1781.6	803.	1781.6	812.	1625
GR	1769.4	835.	1767.9	855.	1765.1	862.	1764.0	871.	1765.0	875.	1630
GR	1765.0	885.	1763.9	900.	1762.9	903.	1762.8	914.	1768.0	926.	1635
GR	1771.9	935.	1772.0	952.	1777.9	962.	1777.8	968.	1779.7	968.	1640
GR	1779.7	1585.	1781.5	1670.	1790.0	2000.	0.0	0.	0.0	0.	1645
X1	20.04	33.	855.	926.	1.	1.	1.	0.0	-0.70	0.	1650
BT	6.0	800.0	1786.4	0.0	800.0	1788.4	0.0	803.0	1788.4	1784.2	1655
BT	968.0	1784.8	1780.0	972.0	1784.8	0.0	972.0	1782.8	0.0	0.0	1660
GR	1791.0	600.	1786.4	800.	1784.2	803.	1781.6	803.	1781.6	812.	1665
GR	1769.4	835.	1767.9	855.	1766.9	858.	1782.8	858.	1782.8	859.	1670
GR	1766.9	859.	1765.1	862.	1764.0	871.	1765.0	875.	1765.0	885.	1675
GR	1763.9	900.	1762.9	903.	1762.8	913.	1781.4	913.	1781.4	914.	1680
GR	1762.8	914.	1768.0	926.	1771.9	935.	1772.5	952.	1777.9	962.	1685
GR	1777.8	968.	1780.0	968.	1782.8	972.	1781.6	1020.	1779.7	1100.	1690
GR	1779.7	1585.	1781.5	1670.	1790.0	2000.	0.0	0.	0.0	0.	1695
X1	20.06	0.	0.	0.	120.	120.	120.	0.0	0.70	0.	1700
X2	0.	0.0	0.	0.0	0.0	0.0	1.	0.0	0.0	0.	1705
NC	0.070	0.085	0.055	0.0	0.0						1710
X1	20.06	23.	855.	926.	1.	1.	1.	0.0	0.0	0.	1715
GR	1791.0	600.	1786.4	800.	1784.2	803.	1781.6	803.	1781.6	812.	1720
GR	1769.4	835.	1767.9	855.	1765.1	862.	1764.0	871.	1765.0	875.	1725
GR	1765.0	885.	1763.9	900.	1762.9	903.	1762.8	914.	1768.0	926.	1730
GR	1771.9	935.	1772.0	952.	1777.9	962.	1777.8	968.	1779.7	968.	1735
GR	1779.7	1585.	1781.5	1670.	1790.0	2000.	0.0	0.	0.0	0.	1740
X1	20.06	12.	845.	905.	30.	30.	30.	0.0	0.0	0.	1745
GR	1790.0	600.	1771.0	760.	1769.4	785.	1768.7	845.	1765.1	855.	1750
GR	1765.1	880.	1765.1	900.	1768.6	905.	1779.7	935.	1779.7	1585.	1755
GR	1781.5	1670.	1790.0	2000.	0.0	0.	0.0	0.	0.0	0.	1760
NC	0.040	0.075	0.055	0.0	0.0						1765
QT	6.	3480.	5400.	6340.	8870.	24390.	6340.	0.	0.	0.	1770
X1	20.34	25.	209.	267.	850.	1260.	1260.	0.0	0.0	0.	1775
GR	1797.8	0.	1785.7	35.	1772.7	89.	1771.8	130.	1770.3	131.	1780
GR	1770.3	141.	1773.4	154.	1774.8	209.	1772.0	213.	1770.9	213.	1785
GR	1770.9	231.	1770.9	255.	1772.0	256.	1777.2	267.	1777.5	387.	1790
GR	1776.4	567.	1776.4	569.	1777.0	599.	1782.0	832.	1784.8	1062.	1795
GR	1789.7	1221.	1791.6	1416.	1791.8	1759.	1793.9	1924.	1794.8	1980.	1800
QT	6.	3450.	5350.	6280.	8800.	24180.	6280.	0.	0.	0.	1805
X1	20.40	0.	0.	0.	330.	330.	330.	0.0	1.60	0.	1810
NC	0.040	0.065	0.055	0.0	0.0						1815

*PROF 1

CCHV= 0.100 CEHV= 0.500
 *SECNO 15.140

3265 DIVIDED FLOW

VALLEY RIVER		10 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			
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA		
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST		VOL
15.14	5560.	38.	4053.	1468.	0.47	0	846.		
1658.00	0.0	21.	641.	675.	0.30	0	1653.00		
9.60	1658.00	1.84	6.32	2.17	0.0	1658.47	1652.90		
0.002714	0.0	0.070	0.050	0.060	0.0	-0.00	675.67		
	1648.40	0.	0.	0.	45.	1208.	1928.57		0.

*SECNO 15.570

3265 DIVIDED FLOW

15.57	5460.	512.	3398.	1551.	0.59	5	1222.		
1663.42	1663.30	355.	452.	515.	0.12	14	1663.80		
7.12	0.0	1.44	7.51	3.01	5.48	1664.01	1663.90		
0.006934	0.050	0.065	0.050	0.060	0.06	-0.00	121.02		
	1656.30	1340.	1340.	1340.	833.	738.	1692.20		41.

*SECNO 16.020

3265 DIVIDED FLOW

16.02	5350.	1795.	2231.	1325.	0.15	6	1176.		
1670.45	0.0	989.	503.	1106.	-0.44	0	1670.70		
10.25	0.0	1.82	4.44	1.20	6.55	1670.60	1670.00		
0.001896	0.050	0.080	0.050	0.070	0.04	-0.00	83.97		
	1660.20	1990.	1990.	1990.	361.	819.	1263.95		130.

*SECNO 16.080

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

16.08	5330.	1717.	3336.	277.	0.66	6	936.		
1671.26	1670.99	619.	417.	242.	0.51	9	1672.70		
9.06	0.0	2.78	8.00	1.14	1.06	1671.92	1672.00		
0.007247	0.050	0.080	0.050	0.070	0.26	-0.00	89.22		
	1662.20	320.	320.	320.	356.	809.	1254.03		145.

K01

*SECNO 16.200

*** GR CARDS REPEATED

3265 DIVIDED FLOW

VALLEY RIVER		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
16.20	5310.	2024.	2841.	446.	0.41	3	1011.	
1675.67	0.0	680.	431.	367.	-0.25	0	1676.90	
9.27	0.0	2.98	6.58	1.21	4.14	1676.08	1676.20	
0.005798	0.051	0.070	0.055	0.070	0.02	-0.00	88.31	
	1666.40	640.	640.	640.	357.	812.	1257.15	165.

*SECNO 16.570

3265 DIVIDED FLOW

16.57	5220.	905.	3645.	671.	0.23	5	714.	
1682.16	0.0	673.	800.	424.	-0.18	0	1680.50	
11.96	0.0	1.34	4.55	1.58	6.29	1682.39	1680.00	
0.001881	0.052	0.070	0.055	0.070	0.02	-0.00	276.64	
	1670.20	2050.	2050.	2050.	484.	256.	1016.96	244.

*SECNO 17.000

17.00	5110.	0.	3491.	1619.	0.47	3	440.	
1688.60	0.0	0.	564.	459.	0.23	0	1690.50	
8.40	0.0	0.0	6.19	0.53	6.56	1689.07	1688.50	
0.004678	0.053	0.090	0.055	0.060	0.12	-0.00	554.74	
	1680.20	2340.	2340.	2340.	42.	397.	994.43	323.

*SECNO 17.100

*** GR CARDS REPEATED

17.10	5080.	0.	3452.	1628.	0.45	2	445.	
1691.05	0.0	0.	568.	474.	-0.02	0	1692.90	
8.45	0.0	0.0	6.07	3.43	2.42	1691.50	1690.90	
0.004475	0.053	0.090	0.055	0.060	0.00	-0.00	554.70	
	1682.60	530.	530.	530.	42.	402.	999.24	335.

*SECNO 17.460

3265 DIVIDED FLOW

17.46	5000.	1323.	3672.	5.	0.40	4	674.	
1699.74	0.0	735.	634.	11.	-0.05	0	1699.50	
8.84	0.0	1.80	5.79	0.41	8.63	1700.14	1700.40	
0.003555	0.053	0.075	0.055	0.065	0.01	-0.00	771.50	
	1690.90	2170.	2170.	2170.	802.	219.	1793.23	396.

L01

*SECNO 17.720

3301 HV CHANGED MORE THAN HVINS

VALLEY RIVER	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	ENDST	VOL
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR		
17.72	4940.	37.	4903.	0.	0.90	2	115.	
1704.92	0.0	23.	640.	0.	0.51	0	1703.50	
10.52	0.0	1.63	7.66	0.0	5.43	1705.82	1706.90	
0.006222	0.054	0.065	0.055	0.075	0.25	-0.00	2379.02	
	1694.40	1180.	1180.	1180.	76.	39.	2494.09	423.

*SECNO 17.720

3301 HV CHANGED MORE THAN HVINS

17.72	4940.	839.	3571.	530.	0.31	2	234.	
1705.86	0.0	346.	707.	219.	-0.59	0	1697.40	
11.46	0.0	2.43	5.05	2.42	0.29	1706.17	1697.80	
0.001680	0.054	0.065	0.055	0.075	0.06	-0.00	2315.99	
	1694.40	100.	100.	100.	138.	96.	2549.96	426.

*SECNO 17.720

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 10 MIN ELTRD= 1705.00 MAX ELLC= 1708.80

17.72	4940.	370.	4140.	430.	0.52	2	143.	
1705.76	0.0	130.	470.	166.	0.20	0	1707.00	
11.36	0.0	2.84	6.18	2.59	0.00	1706.28	1707.00	
0.003574	0.054	0.065	0.055	0.075	0.10	-0.00	2392.00	
	1694.40	1.	1.	1.	62.	94.	2547.63	426.

*SECNO 17.720

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 10 MIN ELTRD= 1705.00 MAX ELLC= 1708.80

17.72	4940.	370.	4135.	435.	0.51	2	144.	
1705.84	0.0	132.	675.	170.	-0.01	0	1707.00	
11.44	0.0	2.81	6.13	2.56	0.06	1706.34	1707.00	
0.003480	0.054	0.065	0.055	0.075	0.00	-0.00	2392.00	
	1694.40	18.	18.	18.	62.	95.	2549.34	426.

*SECNO 17.720

M01

17.72	4940.	858.	3506.	576.	0.29	2	243.	
1706.08	0.0	369.	723.	233.	-0.22	0	1697.40	
11.68	0.0	2.33	4.85	2.47	0.00	1706.37	1697.80	
0.001505	0.054	0.065	0.055	0.070	0.02	-0.00	2312.26	
	1694.40	1.	1.	1.	142.	101.	2555.02	420.

*SECNO 17.720

3265 DIVIDED FLOW

VALLEY RIVER		10 YEAR FLOOD			05/02/81		TOPWID	
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	BANK ELEV	
ELEV	CRIWS	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		
17.72	4940.	259.	4681.	0.	0.58	2	336.	
1706.09	0.0	185.	747.	0.	0.29	0	1703.50	
11.69	0.0	1.40	6.27	0.0	0.16	1706.67	1706.90	
0.003680	0.053	0.065	0.055	0.070	0.15	-0.00	2107.68	
	1694.40	50.	50.	400.	347.	45.	2499.97	428.

*SECNO 17.850

17.85	4900.	194.	4700.	6.	0.33	2	385.	
1707.63	0.0	260.	996.	8.	-0.25	0	1704.50	
11.63	0.0	0.75	4.72	0.72	1.26	1707.96	1705.00	
0.001474	0.053	0.090	0.055	0.090	0.02	-0.00	1986.84	
	1696.00	570.	570.	220.	330.	54.	2371.44	443.

*SECNO 17.930

*** GR CARDS REPEATED

17.93	4880.	5.	4874.	0.	0.56	2	111.	
1708.40	0.0	8.	812.	1.	0.23	0	1707.20	
9.70	0.0	0.70	6.01	0.56	0.89	1708.96	1707.70	
0.003139	0.054	0.085	0.055	0.070	0.11	-0.00	2256.09	
	1698.70	430.	430.	430.	61.	50.	2366.73	453.

*SECNO 18.130

3265 DIVIDED FLOW

18.13	4820.	3.	4675.	142.	0.94	3	273.	
1712.73	0.0	6.	591.	104.	0.38	0	1713.20	
7.53	0.0	0.55	7.91	1.37	4.51	1713.67	1712.50	
0.008303	0.054	0.100	0.055	0.080	0.19	-0.00	1914.52	
	1705.20	940.	940.	940.	85.	201.	2200.73	469.

*SECNO 18.430

18.43	4730.	54.	4676.	0.	0.58	3	133.	
1722.27	0.0	41.	762.	0.	-0.36	0	1720.30	
10.07	0.0	1.32	6.14	0.0	9.14	1722.84	1722.90	
0.003667	0.054	0.080	0.055	0.075	0.04	-0.00	2683.13	
	1712.20	1720.	1720.	1720.	84.	49.	2816.61	499.

*SECNO 18.430

*** GR CARDS REPEATED

VALLEY RIVER		10 YEAR FLOOD			05/02/81		TOPWID		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	IDC	BANK ELEV	
ELEV	CRISW	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				

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1723.70 ELREA= 1723.70

18.43	4730.	0.	4730.	0.	0.57	2	100.	
1722.46	0.0	0.	782.	0.	-0.01	0	1720.30	
10.26	0.0	0.0	6.05	0.0	0.18	1723.03	1722.90	
0.003469	0.054	0.080	0.055	0.075	0.00	-0.00	2717.00	
	1712.20	250.	50.	50.	51.	50.	2817.04	500.

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 1718.66 NOT 1722.46
HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	42.00	4.00	490.00	0.0
	ELCHU	ELCHD						
	1712.90	1712.90						

*SECNO 18.430

*** GR CARDS REPEATED

CLASS B LOW FLOW

3420 BRIDGE W.S.= 1720.74 BRIDGE VELOCITY= 15.88

CALCULATED CHANNEL AREA= 298.		H3		QPR		TAREA		ELLC	
EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC		
0.0	1723.78	0.0	0.	4730.	490.	490.	1725.80		
	ELTRD								
	1728.80								

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1728.80 ELREA= 1728.80

18.43	4730.	0.	4730.	0.	0.46	0	101.	
1723.32	0.0	0.	868.	0.	-0.11	0	1720.30	
11.12	0.0	0.0	5.45	0.0	0.75	1723.78	1722.90	
0.002477	0.054	0.080	0.055	0.075	0.0	0.0	2717.00	
	1712.20	32.	32.	32.	51.	51.	2818.00	501.

*SECNO 18.430

*** GR CARDS REPEATED

18.43	4730.	148.	4582.	0.	0.41	2	144.	
-------	-------	------	-------	----	------	---	------	--

B02

1723.43	0.0	84.	879.	1.	-0.05	0	1720.30	
11.23	0.0	1.76	5.21	0.48	0.05	1723.84	1722.90	
0.002654	0.054	0.075	0.060	0.065	0.01	-0.00	2676.39	
	1712.20	20.	20.	20.	91.	53.	2820.27	501.

*SECNO 18.550

3265 DIVIDED FLOW

18.55	4690.	471.	4082.	137.	0.72	2	148.	
1725.50	0.0	183.	566.	52.	0.31	0	1721.90	
10.20	0.0	2.58	7.21	2.65	2.22	1726.21	1725.80	
0.004577	0.054	0.087	0.055	0.075	0.15	-0.00	2589.86	
	1715.30	650.	650.	650.	97.	53.	2739.06	514.

*SECNO 18.650

*** GR CARDS REPEATED

3265 DIVIDED FLOW

18.65	4650.	388.	4147.	115.	0.84	2	144.	
1728.11	0.0	152.	535.	42.	0.13	0	1725.00	
9.71	0.0	2.56	7.75	2.72	2.68	1728.96	1728.90	
0.005614	0.054	0.080	0.055	0.075	0.06	-0.00	2591.25	
	1718.40	530.	530.	530.	95.	51.	2737.94	524.

*SECNO 18.930

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

VALLEY RIVER		10 YEAR FLOOD			05/02/81		TOPWID		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	BANK ELEV		
ELEV	CRISW	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
18.93	4580.	214.	3834.	533.	0.30	3	854.		
1735.18	0.0	297.	806.	368.	-0.54	0	1734.80		
8.48	0.0	0.72	4.76	1.45	6.47	1735.47	1733.10		
0.002818	0.054	0.080	0.060	0.095	0.05	-0.00	1181.91		
	1726.70	1670.	1670.	1670.	834.	249.	2264.11		566.

*SECNO 19.030

*** GR CARDS REPEATED

3265 DIVIDED FLOW

19.03	4550.	1.	4257.	292.	0.56	2	337.	
1737.11	0.0	4.	687.	168.	0.26	0	1737.80	
7.41	0.0	0.32	6.19	1.73	2.07	1737.67	1736.10	

C02

0.005764	0.055	0.080	0.060	0.095	0.13	-0.00	1535.39	
	1729.70	530.	530.	530.	480.	243.	2258.07	580.

CCHV= 0.300 CEHV= 0.800
 *SECNO 19.280

3265 DIVIDED FLOW

19.28	4480.	0.	4311.	169.	0.39	3	436.	
1744.71	0.0	0.	848.	113.	-0.17	0	1747.80	
8.11	0.0	0.0	5.09	1.50	7.38	1745.10	1745.30	
0.003635	0.055	0.075	0.055	0.100	0.05	-0.00	920.90	
	1736.60	1630.	1630.	1630.	73.	422.	1415.06	614.

*SECNO 19.280

*** GR CARDS REPEATED

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1748.20 ELREA= 1748.50

19.28	4480.	0.	4480.	0.	0.38	2	152.	
1745.06	0.0	0.	900.	0.	-0.00	0	1747.80	
8.46	0.0	0.0	4.98	0.0	0.35	1745.45	1745.30	
0.003302	0.055	0.075	0.055	0.100	0.00	-0.00	920.00	
	1736.60	100.	100.	100.	73.	79.	1072.42	616.

*SECNO 19.280

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 13 MIN ELTRD= 1749.80 MAX ELLC= 1748.40

19.28	4480.	0.	4389.	91.	0.61	2	137.	
1745.02	0.0	0.	692.	35.	0.23	0	1747.50	
8.42	0.0	0.0	6.34	2.60	0.00	1745.64	1748.40	
0.007715	0.055	0.055	0.055	0.055	0.18	-11.22	923.69	
	1736.60	1.	1.	1.	69.	308.	1300.00	616.

*SECNO 19.280

*** GR CARDS REPEATED

3265 DIVIDED FLOW

VALLEY RIVER		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

3370 NORMAL BRIDGE, NRD= 13 MIN ELTRD= 1749.80 MAX ELLC= 1748.40

19.28	4480.	0.	4396.	84.	0.54	2	143.	
-------	-------	----	-------	-----	------	---	------	--

D02

1745.39	0.0	0.	740.	35.	-0.07	0	1747.50	
8.79	0.0	0.0	5.94	2.41	0.27	1745.93	1748.40	
0.006622	0.055	0.055	0.055	0.055	0.02	-14.90	920.85	
	1736.60	38.	38.	38.	72.	308.	1300.00	617.

*SECNO 19.280

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1749.20 ELREA= 1749.50

19.28	4480.	0.	4480.	0.	0.31	2	156.	
1745.69	0.0	0.	997.	0.	-0.23	0	1747.80	
9.09	0.0	0.0	4.49	0.0	0.00	1746.00	1745.30	
0.002417	0.055	0.070	0.055	0.085	0.07	-0.00	918.40	
	1736.60	1.	1.	1.	75.	81.	1074.00	617.

*SECNO 19.280

*** GR CARDS REPEATED

3265 DIVIDED FLOW

19.28	4480.	0.	4006.	474.	0.21	2	443.	
1745.90	0.0	0.	1030.	417.	-0.10	0	1747.80	
9.30	0.0	0.0	3.89	1.14	0.08	1746.11	1745.30	
0.001742	0.055	0.070	0.055	0.085	0.03	-0.00	917.86	
	1736.60	40.	40.	40.	76.	430.	1423.02	618.

CCHV= 0.100 CEHV= 0.500

*SECNO 19.550

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

VALLEY RIVER		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	ENDST	VOL
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR		

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

19.55	4390.	1.	4358.	31.	2.56	20	85.	
1752.44	1752.44	1.	338.	14.	2.34	11	1751.50	
5.94	0.0	1.73	12.88	2.25	4.79	1754.99	1750.80	
0.031829	0.055	0.080	0.060	0.100	1.17	-0.00	95.71	
	1746.50	1060.	1060.	1060.	32.	685.	812.41	640.

CCHV= 0.300 CEHV= 0.800

*SECNO 19.870

3301 HV CHANGED MORE THAN HVINS

E02

19.87	4300.	121.	4143.	36.	0.41	7	154.
1766.41	0.0	104.	795.	20.	-2.15	0	1761.50
8.11	0.0	1.17	5.21	1.82	11.18	1766.81	1762.00
0.002960	0.055	0.140	0.060	0.070	0.64	-0.00	686.67
	1758.30	1590.	1590.	1590.	94.	60.	840.96

663.

*SECNO 19.870

VALLEY RIVER

10 YEAR FLOOD

05/02/81

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

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1767.80 ELREA= 1769.10

19.87	4300.	0.	4300.	0.	0.40	3	119.
1766.69	0.0	0.	844.	0.	-0.00	0	1760.90
8.39	0.0	0.0	5.10	0.0	0.28	1767.10	1763.00
0.002672	0.055	0.100	0.055	0.070	0.00	-0.00	720.00
	1758.30	100.	100.	100.	60.	60.	839.00

665.

*SECNO 19.870

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1769.90 MAX ELLC= 1769.60

19.87	4300.	0.	4300.	0.	0.44	0	115.
1766.69	0.0	0.	807.	0.	0.04	0	1771.50
8.39	0.0	0.0	5.33	0.0	0.00	1767.13	1772.00
0.004222	0.055	0.100	0.055	0.070	0.03	-0.00	722.14
	1758.30	1.	1.	1.	58.	60.	839.57

665.

*SECNO 19.870

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1769.90 MAX ELLC= 1769.60

19.87	4300.	0.	4300.	0.	0.43	2	116.
1766.79	0.0	0.	818.	0.	-0.01	0	1771.50
8.49	0.0	0.0	5.26	0.0	0.08	1767.22	1772.00
0.004065	0.055	0.100	0.055	0.070	0.00	-0.00	722.08
	1758.30	20.	20.	20.	58.	60.	839.58

665.

CCHV= 0.100 CEHV= 0.500

*SECNO 19.870

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1768.20 ELREA= 1769.50

F02

19.87	4300.	0.	4300.	0.	0.39	2	119.	
1766.83	0.0	0.	861.	0.	-0.04	0	1760.90	
8.53	0.0	0.0	5.00	0.0	0.00	1767.22	1763.00	
0.002502	0.055	0.070	0.055	0.065	0.00	-0.00	720.00	
	1758.30	1.	1.	1.	60.	60.	839.00	665.

*SECNO 19.870

3265 DIVIDED FLOW

19.87	4300.	293.	3936.	71.	0.30	2	260.	
1767.01	0.0	174.	856.	56.	-0.08	0	1761.50	
8.71	0.0	1.68	4.60	1.27	0.08	1767.31	1762.00	
0.001752	0.055	0.070	0.055	0.065	0.01	-0.00	612.74	
	1758.30	40.	40.	40.	168.	382.	1162.67	666.

*SECNO 19.950

*** GR CARDS REPEATED

3265 DIVIDED FLOW

VALLEY RIVER		10 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	OLSS	CORAR	ENDST		
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR			VOL
19.95	4270.	195.	4038.	36.	0.42	2	187.		
1767.75	0.0	98.	759.	25.	0.12	0	1763.20		
7.75	0.0	1.99	5.32	1.45	0.80	1768.17	1763.70		
0.002758	0.055	0.070	0.055	0.065	0.06	-0.00	629.77		
	1760.00	370.	370.	370.	151.	373.	1154.27		675.

*SECNO 20.040

3301 HV CHANGED MORE THAN HVINS

20.04	3640.	135.	3501.	4.	1.74	5	130.	
1769.84	1769.80	49.	325.	2.	1.32	5	1768.70	
7.74	0.0	2.75	10.76	1.83	2.75	1771.58	1768.60	
0.017464	0.055	0.060	0.055	0.075	0.66	-0.00	778.10	
	1762.10	520.	520.	520.	97.	33.	908.36	682.

*SECNO 20.040

3301 HV CHANGED MORE THAN HVINS

20.04	3640.	272.	3319.	48.	0.52	2	123.	
1771.69	0.0	83.	553.	30.	-1.21	0	1767.20	
9.59	0.0	3.26	6.01	1.62	0.52	1772.21	1767.30	
0.003326	0.055	0.060	0.055	0.075	0.12	-0.00	829.35	
	1762.10	80.	80.	80.	61.	62.	952.67	683.

*SECNO 20.040

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 6 MIN ELTRD= 1782.80 MAX ELLC= 1784.20

20.04	3640.	348.	3235.	57.	0.53	0	118.	
1771.69	0.0	83.	536.	26.	0.01	0	1767.20	
9.59	0.0	4.17	6.03	2.23	0.00	1772.22	1767.30	
0.005407	0.055	0.060	0.055	0.075	0.00	-0.00	829.34	
	1762.10	1.	1.	1.	61.	59.	949.17	683.

*SECNO 20.060

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 6 MIN ELTRD= 1782.80 MAX ELLC= 1784.90

20.06	3640.	343.	3242.	55.	0.54	2	116.	
1772.34	0.0	82.	532.	24.	0.01	0	1767.90	
9.54	0.0	4.18	6.09	2.27	0.66	1772.88	1768.00	
0.005548	0.055	0.060	0.055	0.075	0.01	-0.00	829.45	
	1762.80	120.	120.	120.	61.	57.	947.56	685.

*SECNO 20.060

VALLEY RIVER		10 YEAR FLOOD			05/02/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IND	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
20.06	3640.	234.	3365.	42.	0.55	0	123.	
1772.34	0.0	82.	549.	28.	0.01	0	1767.90	
9.54	0.0	2.84	6.13	1.46	0.00	1772.89	1768.00	
0.003489	0.055	0.070	0.055	0.085	0.00	0.0	829.44	
	1762.80	1.	1.	1.	61.	62.	952.59	685.

*SECNO 20.060

20.06	3640.	838.	2766.	36.	0.56	1	168.	
1772.46	0.0	271.	415.	20.	0.01	0	1768.70	
7.36	0.0	3.09	6.66	1.80	0.12	1773.02	1768.60	
0.004777	0.055	0.070	0.055	0.085	0.01	-0.00	747.62	
	1765.10	30.	30.	30.	127.	40.	915.46	685.

*SECNO 20.340

3265 DIVIDED FLOW

20.34	3480.	2349.	1129.	1.	0.33	3	243.	
1776.62	0.0	481.	281.	6.	-0.23	0	1774.80	
6.32	0.0	4.88	4.02	0.26	3.91	1776.95	1777.20	

H02

0.002840 0.055 0.040 0.055 0.075 0.02 -0.00 72.70
 1770.30 850. 1260. 1260. 165. 342. 580.15 703.

*SECNO 20.400

*** GR CARDS REPEATED

20.40 3450. 2280. 1170. 0. 0.43 2 190.
 1777.71 0.0 411. 252. 0. 0.10 0 1776.40
 5.81 0.0 5.54 4.64 0.0 1.14 1778.14 1778.80
 0.004262 0.055 0.040 0.055 0.075 0.05 -0.00 74.84
 1771.90 330. 330. 330. 163. 27. 264.69 709.

*SECNO 20.540

3301 HV CHANGED MORE THAN HVINS

VALLEY RIVER		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

7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1785.50 ELREA= 1782.00

20.54 3370. 0. 2633. 737. 0.99 4 211.
 1782.30 1782.30 0. 298. 202. 0.56 16 1785.90
 6.50 0.0 0.0 8.83 3.65 4.64 1783.29 1782.20
 0.015291 0.055 0.040 0.055 0.065 0.28 -0.00 449.99
 1775.80 640. 640. 640. 29. 182. 660.86 717.

THIS RUN EXECUTED 05/02/81 8:17:28

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

T1	ANDREWS NC LFS	VALLEY	1875
T2	50 YEAR FLOOD	MARCH 1981 BCH	1880
T3	VALLEY RIVER	FLOOD PROFILES	1885

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ	
	0.	3.	0.	0.	0.00266	0.	0.0	8480.	1659.00	0.0	1890

J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE	
	2.	0.	-1.	0.	0.	0.0	0.0	0.	0.	0.	1895

*PROF 2

CCHV= 0.100 CEHV= 0.500

*SECNO 15.140

VALLEY RIVER		50 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			
15.14	8480.	66.	4778.	3636.	0.42	0	1271.		
1659.00	0.0	33.	715.	1752.	0.50	0	1653.00		
10.60	1659.00	2.02	6.68	2.08	0.0	1659.42	1652.90		
0.002620	0.0	0.070	0.050	0.060	0.0	-0.00	664.89		
	1648.40	0.	0.	0.	56.	1215.	1935.71		0.

*SECNO 15.570

3265 DIVIDED FLOW

15.57	8330.	1660.	3840.	2831.	0.47	4	1470.		
1664.10	0.0	818.	510.	926.	0.05	0	1663.80		
7.80	0.0	2.03	7.53	3.06	5.13	1664.57	1663.90		
0.006170	0.050	0.065	0.050	0.060	0.02	-0.00	117.77		
	1656.30	1340.	1340.	1340.	837.	741.	1695.80		73.

*SECNO 16.020

16.02	8170.	2643.	2782.	2745.	0.17	5	1188.		
1671.18	0.0	1224.	556.	1673.	-0.30	0	1670.70		
10.98	0.0	2.16	5.00	1.64	6.74	1671.35	1670.00		
0.002122	0.050	0.080	0.050	0.070	0.03	-0.00	80.79		
	1660.20	1990.	1990.	1990.	364.	824.	1268.93		203.

*SECNO 16.080

*** GR CARDS REPEATED

3265 DIVIDED FLOW

16.08	8150.	2771.	3813.	1566.	0.53	2	1168.		
1672.10	0.0	878.	477.	833.	0.36	0	1672.70		
9.90	0.0	3.16	7.99	1.88	1.10	1672.63	1672.00		
0.006522	0.050	0.080	0.050	0.070	0.18	-0.00	85.51		
	1662.20	320.	320.	320.	359.	817.	1261.55		224.

*SECNO 16.200

*** GR CARDS REPEATED

3265 DIVIDED FLOW

VALLEY RIVER		50 YEAR FLOOD			05/02/81		TOPWID		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	BANK	ELEV	
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC			

K02

DEPTH SLOPE	WSELK WTN ELMIN	VLOB XNL XLOBL	VCH XNCH XLCH	VROB XNR XLOBR	HL OLOSS WSDL	EG CORAR WSDR	LEFT/RIGHT SSTA ENDST	VOL
16.20	8110.	3131.	3417.	1561.	0.42	3	1168.	
1676.32	0.0	881.	478.	841.	-0.11	0	1676.90	
9.92	0.0	3.56	7.15	1.86	4.10	1676.74	1676.20	
0.006309	0.051	0.070	0.055	0.070	0.01	-0.00	85.46	
	1666.40	640.	640.	640.	360.	817.	1261.61	256.

*SECNO 16.570

3265 DIVIDED FLOW

16.57	7980.	2127.	4564.	1289.	0.25	4	864.	
1683.19	0.0	1220.	903.	630.	-0.17	0	1680.50	
12.99	0.0	1.74	5.05	2.04	6.69	1683.44	1680.00	
0.001973	0.052	0.070	0.055	0.070	0.02	-0.00	141.82	
	1670.20	2050.	2050.	2050.	619.	260.	1020.10	373.

*SECNO 17.000

3265 DIVIDED FLOW

17.00	7820.	10.	4493.	3317.	0.49	3	683.	
1689.77	0.0	20.	666.	947.	0.24	0	1690.50	
9.57	0.0	0.48	6.75	3.50	6.70	1690.26	1688.50	
0.004575	0.053	0.090	0.055	0.060	0.12	-0.00	437.94	
	1680.20	2340.	2340.	2340.	159.	851.	1448.35	491.

*SECNO 17.100

*** GR CARDS REPEATED

3265 DIVIDED FLOW

17.10	7790.	10.	4467.	3313.	0.48	2	692.	
1692.19	0.0	21.	667.	953.	-0.01	0	1692.90	
9.59	0.0	0.49	6.70	3.47	2.40	1692.67	1690.90	
0.004500	0.053	0.090	0.055	0.060	0.00	-0.00	437.26	
	1682.60	530.	530.	530.	160.	854.	1450.70	511.

*SECNO 17.460

3265 DIVIDED FLOW

17.46	7660.	3005.	4421.	234.	0.36	4	1204.	
1700.75	0.0	1499.	724.	189.	-0.12	0	1699.50	
9.85	0.0	2.01	6.10	1.24	8.43	1701.11	1700.40	
0.003378	0.053	0.075	0.055	0.065	0.01	-0.00	470.14	
	1690.90	2170.	2170.	2170.	1104.	274.	1847.76	612.

*SECNO 17.720

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

VALLEY RIVER		50 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
17.72	7570.	455.	7115.	0.	1.30	2	342.		
1706.18	0.0	209.	756.	0.	0.94	0	1703.50		
11.78	0.0	2.17	9.41	0.0	5.90	1707.48	1706.90		
0.008216	0.054	0.065	0.055	0.075	0.47	-0.00	2106.37		
	1694.40	1180.	1180.	1180.	349.	45.	2500.46		657.

*SECNO 17.720

3301 HV CHANGED MORE THAN HVINS

17.72	7570.	1553.	5004.	1014.	0.42	2	423.		
1707.51	0.0	537.	825.	422.	-0.88	0	1697.40		
13.11	0.0	2.89	6.06	2.40	0.35	1707.92	1697.80		
0.001967	0.054	0.065	0.055	0.075	0.09	-0.00	2287.94		
	1694.40	100.	100.	100.	166.	257.	2711.06		661.

*SECNO 17.720

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 10 MIN ELTRD= 1705.00 MAX ELLC= 1708.80

17.72	7570.	778.	5494.	1297.	0.67	2	303.		
1707.38	0.0	163.	759.	336.	0.25	0	1707.00		
12.98	0.0	4.78	7.24	3.86	0.00	1708.05	1707.00		
0.009312	0.054	0.065	0.055	0.075	0.13	-31.48	2392.00		
	1694.40	1.	1.	1.	62.	244.	2698.38		661.

*SECNO 17.720

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 10 MIN ELTRD= 1705.00 MAX ELLC= 1708.80

17.72	7570.	784.	5375.	1410.	0.63	2	324.		
1707.59	0.0	167.	759.	380.	-0.04	0	1707.00		
13.19	0.0	4.70	7.09	3.72	0.16	1708.22	1707.00		
0.008914	0.054	0.065	0.055	0.075	0.00	-48.34	2392.00		
	1694.40	18.	18.	18.	62.	265.	2718.95		661.

*SECNO 17.720

MO2

17.72	7570.	1586.	4818.	1167.	0.35	2	482.	
1707.90	0.0	589.	853.	516.	-0.28	0	1697.40	
13.50	0.0	2.69	5.64	2.26	0.00	1708.25	1697.80	
0.001631	0.054	0.065	0.055	0.070	0.03	-0.00	2281.31	
	1694.40	1.	1.	1.	173.	309.	2762.92	661.

*SECNO 17.720

3265 DIVIDED FLOW

VALLEY RIVER		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	XL0BL	XLCH	XL0BR	WSDL	WSDR		
17.72	7570.	1599.	5677.	294.	0.45	3	683.	
1708.02	0.0	709.	934.	252.	0.10	0	1703.50	
13.62	0.0	2.25	6.08	1.17	0.17	1708.47	1706.90	
0.002707	0.053	0.065	0.055	0.070	0.05	-0.00	2077.22	
	1694.40	50.	50.	400.	378.	336.	2791.40	666.

*SECNO 17.850

3265 DIVIDED FLOW

17.85	7510.	958.	6527.	25.	0.44	2	440.	
1709.25	0.0	730.	1151.	28.	-0.01	0	1704.50	
13.25	0.0	1.31	5.67	0.89	1.21	1709.69	1705.00	
0.001755	0.053	0.090	0.055	0.090	0.00	-0.00	1969.22	
	1696.00	570.	570.	220.	348.	110.	2426.73	690.

*SECNO 17.930

*** GR CARDS REPEATED

3265 DIVIDED FLOW

17.93	7480.	242.	7228.	10.	0.82	2	365.	
1710.12	0.0	201.	976.	7.	0.39	0	1707.20	
11.42	0.0	1.20	7.41	1.40	1.06	1710.94	1707.70	
0.003733	0.054	0.085	0.055	0.070	0.19	-0.00	1989.24	
	1698.70	430.	430.	430.	328.	54.	2370.93	705.

*SECNO 18.130

18.13	7390.	213.	6019.	1158.	0.80	2	486.	
1714.50	0.0	161.	763.	490.	-0.02	0	1713.20	
9.30	0.0	1.33	7.89	2.36	4.36	1715.30	1712.50	
0.005937	0.054	0.100	0.055	0.080	0.00	-0.00	1810.68	
	1705.20	940.	940.	940.	189.	297.	2296.95	733.

*SECNO 18.430

18.43	7260.	219.	7040.	1.	0.92	3	146.	
1723.65	0.0	93.	901.	1.	0.12	0	1720.30	

A03

11.45	0.0	2.35	7.81	0.70	9.21	1724.57	1722.90	
0.004846	0.054	0.080	0.055	0.075	0.06	-0.00	2675.12	
	1712.20	1720.	1720.	1720.	92.	54.	2821.21	781.

*SECNO 18.430

*** GR CARDS REPEATED

VALLEY RIVER		50 YEAR 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	XNCH	XNR	OLOSS	CORAR	ENDST	VOL
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR		
18.43	7260.	254.	7004.	2.	0.84	2	150.	
1723.99	0.0	108.	936.	3.	-0.08	0	1720.30	
11.79	0.0	2.35	7.48	0.85	0.26	1724.84	1722.90	
0.004224	0.054	0.080	0.055	0.075	0.01	-0.00	2673.11	
	1712.20	250.	50.	50.	94.	55.	2822.70	783.

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 1720.56 NOT 1723.99
HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	HK	XKOR	COFQ	RDLN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	42.00	4.00	490.00	0.0
	ELCHU	ELCHD						
	1712.90	1712.90						

*SECNO 18.430

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC	
1729.45	1727.32	0.0	95.	7131.	490.	490.	1725.80	
ELTRD								
1728.80								
18.43	7260.	813.	6247.	200.	0.26	2	619.	
1729.00	0.0	523.	1442.	186.	-0.59	0	1720.30	
16.80	0.0	1.55	4.33	1.07	4.42	1729.26	1722.90	
0.000797	0.054	0.080	0.055	0.075	0.0	-0.00	1850.00	
	1712.20	32.	32.	32.	918.	139.	2906.76	784.

*SECNO 18.430

*** GR CARDS REPEATED

3265 DIVIDED FLOW

18.43	7260.	931.	6079.	250.	0.24	1	620.	
1729.04	0.0	542.	1446.	190.	-0.02	0	1720.30	
16.84	0.0	1.72	4.20	1.32	0.02	1729.27	1722.90	
0.000888	0.054	0.075	0.060	0.065	0.00	-0.00	1850.00	
	1712.20	20.	20.	20.	918.	140.	2907.53	785.

*SECNO 18.550

3265 DIVIDED FLOW

18.55	7200.	1518.	5241.	441.	0.46	2	439.	
1729.76	0.0	615.	843.	158.	0.23	0	1721.90	
14.46	0.0	2.47	6.22	2.79	0.83	1730.22	1725.80	
0.002022	0.054	0.080	0.055	0.075	0.11	-0.00	1442.49	
	1715.30	650.	650.	650.	1244.	62.	2748.85	813.

*SECNO 18.650

*** GR CARDS REPEATED

18.65	7160.	1192.	5614.	354.	0.77	2	162.	
1731.04	0.0	348.	725.	107.	0.30	0	1725.00	
12.64	0.0	3.42	7.74	3.30	1.44	1731.81	1728.90	
0.003833	0.054	0.080	0.055	0.075	0.15	-0.00	2582.87	
	1718.40	530.	530.	530.	104.	58.	2744.68	830.

*SECNO 18.930

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

VALLEY RIVER		50 YEAR FLOOD			05/02/81		TOPWID		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	IDC	BANK ELEV	
DEPTH	CRISW	ALOB	ACH	AROB	DHV	EG	EG	LEFT/RIGHT	
SLOPE	WSELK	VLOB	VCH	VROB	HL	CORAR	CORAR	SSTA	VOL
	WTN	XNL	XNCH	XNR	OLOSS	WSDR	WSDR	ENDST	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL				
18.93	7030.	1483.	4512.	1034.	0.24	3	1146.		
1736.46	0.0	1209.	951.	620.	-0.53	0	1734.80		
9.76	0.0	1.23	4.74	1.67	4.83	1736.69	1733.10		
0.002247	0.054	0.080	0.060	0.095	0.05	-0.00	838.58		
	1726.70	1670.	1670.	1670.	1177.	256.	2271.45	906.	

*SECNO 19.030

*** GR CARDS REPEATED

3265 DIVIDED FLOW

19.03	6990.	298.	5889.	803.	0.72	2	847.	
-------	-------	------	-------	------	------	---	------	--

C03

1738.13	0.0	276.	802.	361.	0.48	0	1737.80	
8.43	0.0	1.08	7.35	2.23	1.91	1738.85	1736.10	
0.006771	0.054	0.080	0.060	0.095	0.24	-0.00	1182.84	
	1729.70	530.	530.	530.	833.	248.	2263.89	932.

CCHV= 0.300 CEHV= 0.800
 *SECNO 19.280

3265 DIVIDED FLOW

19.28	6880.	0.	6054.	826.	0.44	3	508.	
1746.20	0.0	0.	1075.	586.	-0.28	0	1747.80	
9.60	0.0	0.0	5.63	1.41	7.71	1746.64	1745.30	
0.003471	0.055	0.075	0.055	0.100	0.08	-0.00	917.12	
	1736.60	1630.	1630.	1630.	76.	437.	1430.07	990.

*SECNO 19.280

*** GR CARDS REPEATED

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1748.20 ELREA= 1748.50

19.28	6880.	0.	6880.	0.	0.58	2	158.	
1746.54	0.0	0.	1130.	0.	0.14	0	1747.80	
9.94	0.0	0.0	6.09	0.0	0.36	1747.11	1745.30	
0.003832	0.055	0.075	0.055	0.100	0.11	-0.00	916.24	
	1736.60	100.	100.	100.	77.	81.	1074.00	993.

*SECNO 19.280

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 13 MIN ELTRD= 1749.80 MAX ELLC= 1748.40

19.28	6880.	0.	6779.	101.	0.89	2	151.	
1746.48	0.0	0.	892.	35.	0.31	0	1747.50	
9.88	0.0	0.0	7.60	2.89	0.01	1747.36	1748.40	
0.009500	0.055	0.055	0.055	0.055	0.25	-25.79	920.00	
	1736.60	1.	1.	1.	73.	308.	1300.00	993.

*SECNO 19.280

*** GR CARDS REPEATED

3265 DIVIDED FLOW

VALLEY RIVER		50 YEAR FLOOD			05/02/81		TOPWID		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	BANK ELEV	
ELEV	CRIWS	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			

3370 NORMAL BRIDGE, NRD= 13 MIN ELTRD= 1749.80 MAX ELLC= 1748.40

D03

19.28	6880.	0.	6789.	91.	0.77	2	151.
1746.95	0.0	0.	959.	35.	-0.12	0	1747.50
10.35	0.0	0.0	7.08	2.60	0.32	1747.72	1748.40
0.007687	0.055	0.055	0.055	0.055	0.04	-30.56	920.00
	1736.60	38.	38.	38.	73.	308.	1300.00

994.

*SECNO 19.280

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELREA= 1749.20 ELREA= 1749.50

19.28	6880.	0.	6880.	0.	0.46	2	160.
1747.36	0.0	0.	1261.	0.	-0.31	0	1747.80
10.76	0.0	0.0	5.46	0.0	0.00	1747.82	1745.30
0.002708	0.055	0.070	0.055	0.085	0.09	-0.00	914.12
	1736.60	1.	1.	1.	79.	81.	1074.00

994.

*SECNO 19.280

*** GR CARDS REPEATED

3265 DIVIDED FLOW

19.28	6880.	0.	5374.	1506.	0.21	2	536.
1747.77	0.0	0.	1326.	1045.	-0.26	0	1747.80
11.17	0.0	0.0	4.05	1.44	0.08	1747.97	1745.30
0.001409	0.055	0.070	0.055	0.085	0.08	-0.00	913.08
	1736.60	40.	40.	40.	80.	486.	1479.01

995.

CCHV= 0.100 CEHV= 0.500

*SECNO 19.550

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

VALLEY RIVER		50 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	X'L	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

19.55	6760.	31.	5748.	981.	1.62	20	476.
1755.42	1755.42	11.	520.	403.	1.42	12	1751.50
8.92	0.0	2.90	11.04	2.43	3.36	1757.04	1750.80
0.013195	0.055	0.080	0.060	0.100	0.71	-0.00	91.59
	1746.50	1060.	1060.	1060.	36.	701.	828.22

1036.

CCHV= 0.300 CEHV= 0.800

*SECNO 19.870

E03

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

19.87	6620.	293.	6246.	81.	0.68	4	277.	
1767.60	0.0	214.	917.	32.	-0.94	0	1761.50	
9.30	0.0	1.37	6.81	2.54	10.96	1768.28	1762.00	
0.004185	0.055	0.140	0.060	0.070	0.28	-0.00	366.22	
	1758.30	1590.	1590.	1590.	415.	62.	843.39	1074.

*SECNO 19.870

VALLEY RIVER		50 YEAR FLOOD			05/02/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRISWS	ALOB	ACH	AROB	DIIV	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= 1767.80 ELREA= 1769.10

19.87	6620.	1.	6619.	0.	0.68	2	120.	
1767.99	0.0	2.	998.	0.	-0.00	0	1760.90	
9.69	0.0	0.43	6.63	0.0	0.39	1768.67	1763.00	
0.003618	0.055	0.100	0.055	0.070	0.00	-0.00	719.33	
	1758.30	100.	100.	100.	60.	60.	839.00	1076.

*SECNO 19.870

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1769.90 MAX ELLC= 1769.60

19.87	6620.	0.	6620.	0.	0.74	1	116.	
1767.98	0.0	0.	957.	0.	0.06	0	1771.50	
9.68	0.0	0.0	6.92	0.0	0.00	1768.72	1772.00	
0.006075	0.055	0.100	0.055	0.070	0.05	-0.00	721.28	
	1758.30	1.	1.	1.	59.	60.	839.77	1076.

*SECNO 19.870

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1769.90 MAX ELLC= 1769.60

19.87	6620.	0.	6620.	0.	0.72	2	117.	
1768.13	0.0	0.	974.	0.	-0.03	0	1771.50	
9.83	0.0	0.0	6.80	0.0	0.12	1768.85	1772.00	
0.005771	0.055	0.100	0.055	0.070	0.01	-0.00	721.18	
	1758.30	20.	20.	20.	59.	60.	839.79	1077.

F03

CCHV= 0.100 CEHV= 0.500
 *SECNO 19.870

3265 DIVIDED FLOW

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1768.20 ELREA= 1769.50

19.87	6620.	2.	6618.	0.	0.65	2	221.	
1768.21	0.0	4.	1025.	0.	-0.07	0	1760.90	
9.91	0.0	0.41	6.46	0.0	0.00	1768.86	1763.00	
0.003313	0.055	0.070	0.055	0.065	0.01	-0.00	439.42	
	1758.30	1.	1.	1.	340.	60.	839.00	1077.

*SECNO 19.870

19.87	6620.	1048.	5273.	299.	0.34	2	840.	
1768.65	0.0	668.	1024.	257.	-0.31	0	1761.50	
10.35	0.0	1.57	5.15	1.17	0.09	1768.99	1762.00	
0.001733	0.055	0.070	0.055	0.065	0.03	-0.00	337.05	
	1758.30	40.	40.	40.	444.	396.	1177.11	1078.

*SECNO 19.950

*** GR CARDS REPEATED

3265 DIVIDED FLOW

VALLEY RIVER		50 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		
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR			VOL
19.95	6580.	599.	5824.	157.	0.55	2	520.		
1769.37	0.0	295.	923.	87.	0.22	0	1763.20		
9.37	0.0	2.03	6.31	1.81	0.83	1769.92	1763.70		
0.002982	0.055	0.070	0.055	0.065	0.11	-0.00	364.38		
	1760.00	370.	370.	370.	417.	387.	1168.45		1092.

*SECNO 20.040

3301 HV CHANGED MORE THAN HVINS

20.04	5630.	865.	4733.	32.	1.68	3	157.	
1771.50	0.0	180.	424.	11.	1.13	0	1768.70	
9.40	0.0	4.81	11.15	2.79	2.70	1773.18	1768.60	
0.013153	0.055	0.060	0.055	0.075	0.56	-0.00	755.85	
	1762.10	520.	520.	520.	119.	38.	912.82	1104.

*SECNO 20.040

3301 HV CHANGED MORE THAN HVINS

20.04	5630.	531.	4939.	160.	0.83	3	128.	
1773.00	0.0	118.	645.	66.	-0.85	0	1767.20	

603

10.90	0.0	4.48	7.66	2.43	0.56	1773.83	1767.30	
0.004397	0.055	0.060	0.055	0.075	0.08	-0.00	826.90	
	1762.10	80.	80.	80.	64.	64.	954.88	1105.

*SECNO 20.040

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 6 MIN ELTRD= 1782.80 MAX ELLC= 1784.20

20.04	5630.	692.	4748.	191.	0.82	0	125.	
1773.01	0.0	119.	626.	61.	-0.01	0	1767.20	
10.91	0.0	5.83	7.58	3.14	0.01	1773.84	1767.30	
0.007418	0.055	0.060	0.055	0.075	0.00	-0.00	826.88	
	1762.10	1.	1.	1.	64.	64.	954.23	1105.

*SECNO 20.060

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 6 MIN ELTRD= 1782.80 MAX ELLC= 1784.90

20.06	5630.	715.	4706.	210.	0.77	2	126.	
1773.92	0.0	125.	641.	67.	-0.05	0	1767.90	
11.12	0.0	5.73	7.34	3.13	0.85	1774.69	1768.00	
0.006806	0.055	0.060	0.055	0.075	0.01	-0.00	826.47	
	1762.80	120.	120.	120.	64.	64.	954.64	1107.

*SECNO 20.060

VALLEY RIVER

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	LOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
20.06	5630.	477.	4996.	157.	0.81	2	129.	
1773.91	0.0	124.	660.	72.	0.04	0	1767.90	
11.11	0.0	3.83	7.57	2.18	0.01	1774.72	1768.00	
0.004171	0.055	0.070	0.055	0.085	0.02	-0.00	826.50	
	1762.80	1.	1.	1.	64.	65.	955.23	1107.

*SECNO 20.060

20.06	5630.	1727.	3810.	93.	0.63	2	187.	
1774.23	0.0	456.	521.	43.	-0.18	0	1768.70	
9.13	0.0	3.79	7.31	2.18	0.13	1774.86	1768.60	
0.004255	0.055	0.070	0.055	0.085	0.02	-0.00	732.77	
	1765.10	30.	30.	30.	142.	45.	920.23	1108.

*SECNO 20.340

20.34	5400.	3579.	1547.	273.	0.39	2	575.	
-------	-------	-------	-------	------	------	---	------	--

H03

1777.92	0.0	661.	356.	303.	-0.24	0	1774.80	
7.62	0.0	5.41	4.35	0.90	3.42	1778.31	1777.20	
0.002498	0.055	0.040	0.055	0.075	0.02	-0.00	67.31	
	1770.30	850.	1260.	1260.	171.	404.	641.91	1136.

*SECNO 20.400

*** GR CARDS REPEATED

3265 DIVIDED FLOW

20.40	5350.	3646.	1642.	63.	0.56	2	412.	
1778.87	0.0	570.	318.	83.	0.17	0	1776.40	
6.97	0.0	6.40	5.16	0.75	1.04	1779.43	1778.80	
0.004086	0.055	0.040	0.055	0.075	0.09	-0.00	70.02	
	1771.90	330.	330.	330.	168.	374.	611.57	1145.

*SECNO 20.540

3301 HV CHANGED MORE THAN HVINS

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1785.50 ELREA= 1782.00

20.54	5230.	0.	3552.	1678.	1.18	5	246.	
1783.16	0.0	0.	354.	343.	0.62	0	1785.90	
7.36	0.0	0.0	10.04	4.90	4.60	1784.34	1782.20	
0.016233	0.055	0.040	0.055	0.065	0.31	-0.00	448.56	
	1775.80	640.	640.	640.	30.	215.	694.47	1157.

THIS RUN EXECUTED 05/02/81 8:17:30

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

T1	ANDREWS NC LFS	VALLEY	1900
T2	100 YEAR FLOOD	MARCH 1981 BCH	1905
T3	VALLEY RIVER	FLOOD PROFILES	1910

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ	
	0.	4.	0.	0.	0.00266	0.	0.0	9890.	1659.00	0.0	1915

J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IEW	CHNIM	ITRACE	
	3.	0.	-1.	0.	0.	0.0	0.0	0.	0.	0.	1920

*PROF 3

CCHV= 0.100 CEHV= 0.500

*SECNO 15.140

VALLEY RIVER		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			
15.14	9890.	80.	5101.	4709.	0.42	0	1278.		
1659.30	0.0	39.	737.	2107.	0.50	0	1653.00		
10.90	1659.00	2.04	6.92	2.23	0.0	1659.72	1652.90		
0.002696	0.0	0.070	0.050	0.060	0.0	-0.00	659.82		
	1648.40	0.	0.	0.	61.	1217.	1937.86		0.

*SECNO 15.570

3265 DIVIDED FLOW

15.57	9720.	2261.	4000.	3459.	0.43	4	1517.		
1664.38	0.0	1017.	533.	1115.	0.01	0	1663.80		
8.08	0.0	2.22	7.50	3.10	5.08	1664.81	1663.90		
0.005771	0.050	0.065	0.050	0.060	0.00	-0.00	116.48		
	1656.30	1340.	1340.	1340.	838.	743.	1697.24		85.

*SECNO 16.020

16.02	9530.	3041.	3038.	3450.	0.18	5	1191.		
1671.46	0.0	1315.	577.	1892.	-0.25	0	1670.70		
11.26	0.0	2.31	5.27	1.82	6.80	1671.64	1670.00		
0.002243	0.050	0.080	0.050	0.070	0.02	-0.00	79.57		
	1660.20	1990.	1990.	1990.	365.	826.	1270.84		233.

*SECNO 16.080

*** GR CARDS REPEATED

3265 DIVIDED FLOW

16.08	9510.	3195.	4005.	2311.	0.49	2	1176.		
1672.42	0.0	979.	500.	1081.	0.31	0	1672.70		
10.22	0.0	3.26	8.00	2.14	1.12	1672.91	1672.00		
0.006199	0.050	0.080	0.050	0.070	0.15	-0.00	84.11		
	1662.20	320.	320.	320.	361.	819.	1263.73		256.

*SECNO 16.200

*** GR CARDS REPEATED

3265 DIVIDED FLOW

VALLEY RIVER		100 YEAR FLOOD			05/02/81		TOPWID		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	BANK ELEV		
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC			

K03

DEPTH SLOPE	WSELK WTN ELMIN	VLOB XNL XLOBL	VCH XNCH XLCH	VROB XNR XLOBR	HL OLOSS WSDL	EG CORAR WSDR	LEFT/RIGHT SSTA ENDST	VOL
16.20	9460.	3611.	3675.	2174.	0.43	3	1174.	
1676.55	0.0	955.	495.	1024.	-0.06	0	1676.90	
10.15	0.0	3.78	7.42	2.12	4.07	1676.99	1676.20	
0.006531	0.051	0.070	0.055	0.070	0.01	-0.00	84.43	
	1666.40	640.	640.	640.	361.	818.	1263.23	293.

*SECNO 16.570

3265 DIVIDED FLOW

16.57	9310.	2774.	4953.	1583.	0.26	3	875.	
1683.60	0.0	1448.	943.	714.	-0.18	0	1680.50	
13.40	0.0	1.92	5.25	2.22	6.85	1683.85	1680.00	
0.002010	0.052	0.070	0.055	0.070	0.02	-0.00	86.38	
	1670.20	2050.	2050.	2050.	674.	261.	1021.33	424.

*SECNO 17.000

3265 DIVIDED FLOW

17.00	9130.	42.	4850.	4238.	0.48	3	1012.	
1690.21	0.0	60.	703.	1231.	0.22	0	1690.50	
10.01	0.0	0.70	6.90	3.44	6.72	1690.68	1688.50	
0.004478	0.053	0.090	0.055	0.060	0.11	-0.00	413.23	
	1680.20	2340.	2340.	2340.	184.	937.	1533.81	561.

*SECNO 17.100

*** GR CARDS REPEATED

3265 DIVIDED FLOW

17.10	9090.	40.	4842.	4207.	0.48	2	1000.	
1692.58	0.0	59.	702.	1220.	0.00	0	1692.90	
9.98	0.0	0.69	6.90	3.45	2.38	1693.06	1690.90	
0.004491	0.053	0.090	0.055	0.060	0.00	-0.00	414.08	
	1682.60	530.	530.	530.	183.	934.	1530.86	585.

*SECNO 17.460

3265 DIVIDED FLOW

17.46	8950.	3833.	4714.	403.	0.35	4	1278.	
1701.09	0.0	1814.	755.	268.	-0.13	0	1699.50	
10.19	0.0	2.11	6.24	1.51	8.37	1701.44	1700.40	
0.003340	0.053	0.075	0.055	0.065	0.01	-0.00	405.33	
	1690.90	2170.	2170.	2170.	1169.	275.	1848.88	705.

*SECNO 17.720

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

VALLEY RIVER	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
17.72	8840.	856.	7984.	0.	1.42	3	366.	
1706.61	0.0	317.	796.	0.	1.07	0	1703.50	
12.21	0.0	2.70	10.02	0.02	6.06	1708.03	1706.90	
0.008948	0.054	0.065	0.055	0.075	0.54	-0.00	2100.66	
	1694.40	1180.	1180.	1180.	354.	116.	2570.77	759.

*SECNO 17.720

3301 HV CHANGED MORE THAN HVINS

17.72	8840.	1892.	5614.	1333.	0.46	2	522.	
1708.05	0.0	611.	865.	563.	-0.96	0	1697.40	
13.65	0.0	3.09	6.49	2.37	0.38	1708.51	1697.80	
0.002118	0.054	0.065	0.055	0.075	0.10	-0.00	2278.56	
	1694.40	100.	100.	100.	175.	346.	2800.13	763.

*SECNO 17.720

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 10 MIN ELTRD= 1705.00 MAX ELLC= 1708.80

17.72	8840.	921.	6047.	1872.	0.78	2	368.	
1707.90	0.0	173.	759.	454.	0.32	0	1707.00	
13.50	0.0	5.32	7.97	4.13	0.00	1708.68	1707.00	
0.011281	0.054	0.065	0.055	0.075	0.16	-73.70	2392.00	
	1694.40	1.	1.	1.	62.	309.	2762.70	763.

*SECNO 17.720

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 10 MIN ELTRD= 1705.00 MAX ELLC= 1708.80

17.72	8840.	919.	5813.	2108.	0.70	2	426.	
1708.18	0.0	179.	759.	537.	-0.08	0	1707.00	
13.78	0.0	5.14	7.66	3.93	0.20	1708.88	1707.00	
0.010424	0.054	0.065	0.055	0.075	0.01	-96.67	2392.00	
	1694.40	18.	18.	18.	62.	367.	2820.83	763.

*SECNO 17.720

17.72	8840.	1923.	5325.	1592.	0.37	2	592.
1708.55	0.0	681.	900.	733.	-0.33	0	1697.40
14.15	0.0	2.82	5.91	2.17	0.00	0	1697.80
0.001668	0.054	0.065	0.055	0.070	0.03	-0.00	2270.25
	1694.40	1.	1.	1.	184.	408.	2862.10
							763.

*SECNO 17.720

3265 DIVIDED FLOW

VALLEY RIVER									
Q	Q	QLOB	100 YEAR FLOOD	05/02/81	ITRVAL	TOPMID	BANK ELEV		VOL
Q	Q	ALOB	QROB	DHV	IDC	BANK	LEFT	RIGHT	
ELEV	CRIPS	VL	AROB	HL	EG	ELEV	RIGHT		
DEPTH	WSELK	LOB	VROB	LOSS	CORAR				
SLOPE	MTN	XNL	XNR	MSDL	MSDR	SSTA			
	ELMIN	XLOBL	XLCH			ENDST			

17.72	8840.	2221.	5938.	681.	0.39	3	787.
1708.72	0.0	925.	1003.	488.	0.02	0	1703.50
14.32	0.0	2.40	5.92	1.39	0.19	0	1706.90
0.002341	0.053	0.065	0.055	0.070	0.01	-0.00	2058.31
	1694.40	50.	50.	400.	397.	416.	2871.39
							771.

*SECNO 17.850

3265 DIVIDED FLOW

17.85	8770.	1403.	7315.	52.	0.48	2	448.
1709.84	0.0	910.	1208.	56.	0.09	0	1704.50
13.84	0.0	1.54	6.05	0.92	1.16	0	1705.00
0.001876	0.053	0.090	0.055	0.090	0.05	-0.00	1965.93
	1696.00	570.	570.	220.	351.	112.	2428.53
							799.

*SECNO 17.930

*** GR CARDS REPEATED

17.93	8730.	558.	8153.	19.	0.90	0	390.
1710.75	0.0	379.	1036.	11.	0.42	0	1707.20
12.05	0.0	1.47	7.87	1.66	1.12	0	1707.70
0.003890	0.053	0.085	0.055	0.070	0.21	-0.00	1982.07
	1698.70	430.	430.	430.	335.	55.	2372.47
							816.

*SECNO 18.130

18.13	8630.	414.	6491.	1726.	0.74	2	494.
1715.15	0.0	254.	826.	654.	-0.16	0	1713.20
9.95	0.0	1.63	7.86	2.64	4.23	0	1712.50
0.005284	0.054	0.100	0.055	0.080	0.02	-0.00	1805.63
	1705.20	940.	940.	940.	194.	300.	2299.68
							851.

*SECNO 18.430

18.43	8480.	317.	8160.	4.	1.10	3	151.
1724.16	0.0	115.	953.	3.	0.36	0	1720.30
11.96	0.0	2.74	8.56	1.05	9.19	0	1722.90
0.005401	0.054	0.080	0.055	0.075	0.18	-0.00	2672.13
	1712.20	1720.	1720.	1720.	95.	56.	2823.41
							906.

*SECNO 18.430

*** GR CARDS REPEATED

VALLEY RIVER		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
18.43	8480.	366.	8107.	7.	0.99	2	155.	
1724.57	0.0	134.	995.	6.	-0.11	0	1720.30	
12.37	0.0	2.72	8.15	1.18	0.29	1725.56	1722.90	
0.004625	0.054	0.080	0.055	0.075	0.01	-0.00	2669.75	
	1712.20	250.	50.	50.	98.	58.	2825.18	908.

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 1721.40 NOT 1724.57
 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	42.00	4.00	490.00	0.0
	ELCHU	ELCHD						
	1712.90	1712.90						

*SECNO 18.430

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC	
1732.01	1728.88	0.0	1266.	7298.	490.	490.	1725.80	
	ELTRD							
	1728.80							
18.43	8480.	1188.	6967.	325.	0.27	2	634.	
1729.81	0.0	872.	1524.	264.	-0.72	0	1720.30	
17.61	0.0	1.36	4.57	1.23	4.52	1730.08	1722.90	
0.000824	0.054	0.080	0.055	0.075	0.0	-0.00	1850.00	
	1712.20	32.	32.	32.	918.	153.	2920.98	909.

*SECNO 18.430

*** GR CARDS REPEATED

3265 DIVIDED FLOW

B04

18.43	8480.	1359.	6718.	403.	0.24	0	635.
1729.86	0.0	895.	1529.	269.	-0.03	0	1720.30
17.66	0.0	1.52	4.39	1.50	0.02	1730.10	1722.90
0.000901	0.054	0.075	0.060	0.065	0.00	-0.00	1850.00
	1712.20	20.	20.	20.	918.	154.	2921.92
							910.

*SECNO 18.550

3265 DIVIDED FLOW

18.55	8410.	2106.	5766.	538.	0.47	2	556.
1730.58	0.0	935.	897.	183.	0.22	0	1721.90
15.28	0.0	2.25	6.43	2.94	0.84	1731.05	1725.80
0.001992	0.054	0.080	0.055	0.075	0.11	-0.00	1289.24
	1715.30	650.	650.	650.	1397.	64.	2750.74
							946.

*SECNO 18.650

*** GR CARDS REPEATED

18.65	8360.	1528.	6371.	461.	0.85	2	180.
1731.83	0.0	406.	777.	128.	0.38	0	1725.00
13.43	0.0	3.76	8.20	3.59	1.44	1732.68	1728.90
0.003930	0.054	0.080	0.055	0.075	0.19	-0.00	2566.05
	1718.40	530.	530.	530.	120.	60.	2746.50
							966.

*SECNO 18.930

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

VALLEY RIVER		100 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		
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR			VOL
18.93	8220.	2308.	4665.	1246.	0.20	2	1306.		
1737.02	0.0	1738.	1016.	734.	-0.65	0	1734.80		
10.32	0.0	1.33	4.59	1.70	4.47	1737.22	1733.10		
0.001931	0.054	0.080	0.060	0.095	0.06	-0.00	823.61		
	1726.70	1670.	1670.	1670.	1192.	259.	2274.71		1058.

*SECNO 19.030

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

19.03	8170.	689.	6437.	1044.	0.73	2	953.
1738.49	0.0	191.	843.	431.	0.53	0	1737.80

C04

8.79	0.0	1.40	7.64	2.42	1.74	1739.22	1736.10	
0.006846	0.054	0.080	0.060	0.095	0.26	-0.00	1174.03	
	1729.70	530.	530.	530.	841.	250.	2265.97	1090.

CCHV= 0.300 CEHV= 0.800
 *SECNO 19.280

19.28	8040.	0.	6827.	1213.	0.47	4	526.	
1746.67	0.0	0.	1152.	761.	-0.26	0	1747.80	
10.07	0.0	0.0	5.93	1.59	7.84	1747.14	1745.30	
0.003550	0.055	0.075	0.055	0.100	0.08	-0.00	915.88	
	1736.60	1630.	1630.	1630.	78.	449.	1442.03	1159.

*SECNO 19.280

*** GR CARDS REPEATED

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1748.20 ELREA= 1748.50

19.28	8040.	0.	8040.	0.	0.69	2	159.	
1747.02	0.0	0.	1206.	0.	0.22	0	1747.80	
10.42	0.0	0.0	6.67	0.0	0.39	1747.71	1745.30	
0.004254	0.055	0.075	0.055	0.100	0.18	-0.00	915.00	
	1736.60	100.	100.	100.	78.	81.	1074.00	1162.

*SECNO 19.280

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 13 MIN ELTRD= 1749.80 MAX ELLC= 1748.40

19.28	8040.	0.	7934.	106.	1.05	2	151.	
1746.95	0.0	0.	958.	35.	0.36	0	1747.50	
10.35	0.0	0.0	8.28	3.04	0.01	1748.00	1748.40	
0.010518	0.055	0.055	0.055	0.055	0.29	-30.52	920.00	
	1736.60	1.	1.	1.	73.	308.	1300.00	1162.

*SECNO 19.280

*** GR CARDS REPEATED

3265 DIVIDED FLOW

VALLEY RIVER		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		

3370 NORMAL BRIDGE, NRD= 13 MIN ELTRD= 1749.80 MAX ELLC= 1748.40

19.28	8040.	0.	7945.	95.	0.90	2	151.	
1747.50	0.0	0.	1036.	35.	-0.15	0	1747.50	
10.90	0.0	0.0	7.67	2.72	0.36	1748.40	1748.40	

D04

0.008415	0.054	0.055	0.055	0.055	0.04	-36.02	920.00	
	1736.60	38.	38.	38.	73.	308.	1300.00	1163.

*SECNO 19.280

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1749.20 ELREA= 1749.50

19.28	8040.	0.	8040.	0.	0.54	2	161.	
1747.97	0.0	0.	1360.	0.	-0.36	0	1747.80	
11.37	0.0	0.0	5.91	0.0	0.00	1748.52	1745.30	
0.002900	0.054	0.070	0.055	0.085	0.11	-0.00	913.00	
	1736.60	1.	1.	1.	81.	81.	1074.00	1163.

*SECNO 19.280

*** GR CARDS REPEATED

3265 DIVIDED FLOW

19.28	8040.	14.	5972.	2054.	0.21	2	670.	
1748.49	0.0	38.	1442.	1324.	-0.34	0	1747.80	
11.89	0.0	0.38	4.14	1.55	0.08	1748.69	1745.30	
0.001317	0.054	0.070	0.055	0.085	0.10	-0.00	803.25	
	1736.60	40.	40.	40.	190.	503.	1496.24	1165.

CCHV= 0.100 CEHV= 0.500

*SECNO 19.550

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

VALLEY RIVER		100 YEAR FLOOD			05/02/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWIF	
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
 3720 CRITICAL DEPTH ASSUMED

19.55	7900.	44.	6067.	1789.	1.41	20	604.	
1756.10	1756.10	15.	562.	734.	1.21	12	1751.50	
9.60	0.0	3.00	10.80	2.44	3.08	1757.51	1750.80	
0.011393	0.055	0.080	0.060	0.100	0.60	-0.00	90.66	
	1746.50	1060.	1060.	1060.	37.	704.	831.29	1215.

CCHV= 0.300 CEHV= 0.800

*SECNO 19.870

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

E04

19.87	7740.	421.	7211.	108.	0.81	4	315.	
1768.05	0.0	291.	963.	39.	-0.60	0	1761.50	
9.75	0.0	1.45	7.49	2.76	11.18	1768.87	1762.00	
0.004733	0.055	0.140	0.060	0.070	0.18	-0.00	353.64	
	1758.30	1590.	1590.	1590.	427.	88.	869.04	1263.

*SECNO 19.870

3265 DIVIDED FLOW

VALLEY RIVER		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

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1767.80 ELREA= 1769.10

19.87	7740.	15.	7725.	0.	0.83	3	248.	
1768.49	0.0	36.	1058.	0.	0.01	0	1760.90	
10.19	0.0	0.40	7.30	0.0	0.44	1769.32	1763.00	
0.004060	0.055	0.100	0.055	0.070	0.01	-0.00	427.33	
	1758.30	100.	100.	100.	352.	60.	839.00	1265.

*SECNO 19.870

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1769.90 MAX ELLC= 1769.60

19.87	7740.	17.	7723.	0.	0.90	1	244.	
1768.48	0.0	32.	1015.	0.	0.07	0	1771.50	
10.18	0.0	0.52	7.61	0.0	0.01	1769.38	1772.00	
0.006965	0.055	0.100	0.055	0.070	0.06	-0.00	427.54	
	1758.30	1.	1.	1.	352.	60.	839.84	1265.

*SECNO 19.870

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1769.90 MAX ELLC= 1769.60

19.87	7740.	39.	7701.	0.	0.85	2	261.	
1768.67	0.0	58.	1037.	0.	-0.04	0	1771.50	
10.37	0.0	0.68	7.43	0.0	0.13	1769.52	1772.00	
0.006512	0.055	0.100	0.055	0.070	0.01	-0.00	419.45	
	1758.30	20.	20.	20.	361.	60.	839.87	1266.

CCHV= 0.100 CEHV= 0.500

*SECNO 19.870

3265 DIVIDED FLOW

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1768.20 ELREA= 1769.50

19.87	7740.	62.	7678.	0.	0.76	2	276.	
1768.78	0.0	77.	1092.	0.	-0.09	0	1760.90	
10.48	0.0	0.81	7.03	0.0	0.00	1769.54	1763.00	
0.003610	0.055	0.070	0.055	0.065	0.01	-0.00	414.94	
	1758.30	1.	1.	1.	365.	60.	839.00	1266.

*SECNO 19.870

19.87	7740.	1594.	5495.	651.	0.29	2	867.	
1769.39	0.0	968.	1100.	515.	-0.48	0	1761.50	
11.09	0.0	1.65	5.00	1.26	0.09	1769.67	1762.00	
0.001484	0.055	0.070	0.055	0.065	0.05	-0.00	316.47	
	1758.30	40.	40.	40.	465.	403.	1183.64	1268.

*SECNO 19.950

*** GR CARDS REPEATED

3265 DIVIDED FLOW

VALLEY RIVER		100 YEAR FLOOD			05/02/81		TOPWID	
Q	QLOB	QCH	QROB	HV	ITRIAL	IDC	BANK ELEV	
ELEV	ALOB	ACH	AROB	DHV	EG	LEFT/RIGHT		
DEPTH	VLOB	VCH	VROB	HL	OLOSS	CORAR	SSTA	
SLOPE	XNL	XNCH	XNR	WSDL	WSDR	ENDST	VOL	
WTN	XLOBL	XLCH	XLOBR					
ELMIN								
19.95	7700.	1025.	6426.	249.	0.56	2	612.	
1770.00	0.0	531.	988.	136.	0.27	0	1763.20	
10.00	0.0	1.93	6.50	1.84	0.75	1770.55	1763.70	
0.002900	0.055	0.070	0.055	0.065	0.14	-0.00	346.86	
	1760.00	370.	370.	370.	434.	393.	1174.00	1286.

*SECNO 20.040

3301 HV CHANGED MORE THAN HVINS

20.04	6600.	1239.	5312.	49.	1.79	3	163.	
1772.02	0.0	228.	456.	16.	1.23	0	1768.70	
9.92	0.0	5.44	11.66	3.10	2.64	1773.81	1768.60	
0.013062	0.055	0.060	0.055	0.075	0.61	-0.00	751.44	
	1762.10	520.	520.	520.	124.	39.	914.23	1300.

*SECNO 20.040

3301 HV CHANGED MORE THAN HVINS

20.04	6600.	665.	5706.	228.	0.99	3	130.	
1773.50	0.0	133.	681.	81.	-0.80	0	1767.20	
11.40	0.0	5.01	8.38	2.83	0.60	1774.49	1767.30	

GD4

0.004901	0.055	0.060	0.055	0.075	0.08	-0.00	825.94	
	1762.10	80.	80.	80.	65.	65.	955.73	1301.

*SECNO 20.040

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 6 MIN ELTRD= 1782.80 MAX ELLC= 1784.20

20.04	6600.	875.	5447.	278.	0.96	2	127.	
1773.54	0.0	134.	663.	76.	-0.02	0	1767.20	
11.44	0.0	6.54	8.22	3.66	0.01	1774.50	1767.30	
0.008296	0.055	0.060	0.055	0.075	0.00	-0.00	825.88	
	1762.10	1.	1.	1.	65.	65.	955.22	1301.

*SECNO 20.060

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 6 MIN ELTRD= 1782.80 MAX ELLC= 1784.90

20.06	6600.	913.	5375.	313.	0.87	2	129.	
1774.57	0.0	144.	686.	86.	-0.09	0	1767.90	
11.77	0.0	6.36	7.83	3.64	0.93	1775.44	1768.00	
0.007326	0.055	0.060	0.055	0.075	0.01	-0.00	825.25	
	1762.80	120.	120.	120.	65.	65.	955.84	1304.

*SECNO 20.060

VALLEY RIVER

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
20.06	6600.	605.	5765.	230.	0.94	2	131.	
1774.54	0.0	143.	705.	91.	0.06	0	1767.90	
11.74	0.0	4.24	8.18	2.53	0.01	1775.48	1768.00	
0.004454	0.055	0.070	0.055	0.085	0.03	-0.00	825.30	
	1762.80	1.	1.	1.	65.	66.	956.31	1304.

*SECNO 20.060

20.06	6600.	2184.	4289.	128.	0.67	2	196.	
1774.97	0.0	541.	565.	55.	-0.27	0	1768.70	
9.87	0.0	4.04	7.58	2.32	0.13	1775.63	1768.60	
0.004110	0.055	0.070	0.055	0.085	0.03	-0.00	726.56	
	1765.10	30.	30.	30.	148.	47.	922.22	1304.

*SECNO 20.340

20.34	6340.	4047.	1698.	595.	0.38	3	602.	
1778.47	0.0	740.	388.	515.	-0.29	0	1774.80	

HD4

H04

8.17	0.0	5.47	4.38	1.15	3.18	1778.85	1777.20	
0.002263	0.055	0.040	0.055	0.075	0.03	-0.00	65.04	
	1770.30	850.	1260.	1260.	173.	429.	667.45	1339.

*SECNO 20.400

*** GR CARDS REPEATED

20.40	6280.	4211.	1841.	228.	0.59	2	565.	
1779.33	0.0	634.	345.	231.	0.21	0	1776.40	
7.43	0.0	6.64	5.34	0.98	0.96	1779.92	1778.80	
0.003934	0.055	0.040	0.055	0.075	0.11	-0.00	68.11	
	1771.90	330.	330.	330.	170.	395.	632.93	1350.

*SECNO 20.540

3301 HV CHANGED MORE THAN HVINS

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1785.50 ELREA= 1782.00

20.54	6150.	0.	3968.	2182.	1.27	9	260.	
1783.51	1783.38	0.	377.	408.	0.68	5	1785.90	
7.71	0.0	0.0	10.53	5.35	4.53	1784.78	1782.20	
0.016626	0.055	0.040	0.055	0.065	0.34	-0.00	447.98	
	1775.80	640.	640.	640.	31.	229.	708.14	1364.

THIS RUN EXECUTED 05/02/81 8:17:32

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

T1	ANDREWS NC LFS	VALLEY	1925
T2	500 YEAR FLOOD	MARCH 1981 BCH	1930
T3	VALLEY RIVER	FLOOD PROFILES	1935

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ	
	0.	5.	0.	0.	0.00266	0.	0.0	13580.	1660.00	0.0	1940

J2	NPROF	IPLLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE	
	4.	0.	-1.	0.	0.	0.0	0.0	0.	0.	0.	1945

*PROF_4

CCHV= 0.100 CEHV= 0.500

*SECNO 15.140

VALLEY RIVER		500 YEAR FLOOD		05/02/81		TOPMID		VOL
MILE	Q	QLOB	GCH	HV	IDC	BANK ELEV	ENDST	
ELEV	CRIMS	ALOB	ACH	DHV	EG	LEFT/RIGHT		
DEPTH	MSELK	VLOB	VCH	HL	CORAR	SSTA		
SLOPE	MTN	XNL	XNCH	OLOSS	MSDR	ENDST		
	ELMIN	XLOBL	XLCH	MSDL				
15.14	13580.	125.	5728.	0.40	0	1296.		
1660.04	0.0	62.	792.	0.50	0	1653.00		
11.64	1660.00	2.02	7.23	0.0	1660.44	1652.90		
0.002679	0.0	0.070	0.050	0.0	-0.00	647.40		
	1648.40	0.	0.	74.	1222.	1943.13		0.

*SECNO 15.570

3265 DIVIDED FLOW

15.57	13350.	3812.	4451.	5087.	0.40	3	1554.	
1664.95	0.0	1447.	582.	1512.	-0.00	0	1663.80	
8.65	0.0	2.63	7.65	3.37	4.91	1663.90		
0.005351	0.050	0.065	0.050	0.060	0.00	-0.00	113.79	
	1656.30	1340.	1340.	1340.	84.1.	746.	1700.22	113.

*SECNO 16.020

16.02	13100.	4060.	3641.	5399.	0.21	4	1199.	
1672.12	0.0	1535.	626.	2419.	-0.19	0	1670.70	
11.92	0.0	2.65	5.82	2.23	6.96	1672.33	1670.00	
0.002451	0.050	0.080	0.050	0.070	0.02	-0.00	76.64	
	1660.20	1990.	1990.	1990.	368.	830.	1275.43	299.

*SECNO 16.080

VALLEY RIVER		500 YEAR FLOOD		05/02/81		TOPMID		VOL
MILE	Q	QLOB	GCH	HV	IDC	BANK ELEV	ENDST	
ELEV	CRIMS	ALOB	ACH	DHV	EG	LEFT/RIGHT		
DEPTH	MSELK	VLOB	VCH	HL	CORAR	SSTA		
SLOPE	MTN	XNL	XNCH	OLOSS	MSDR	ENDST		
	ELMIN	XLOBL	XLCH	MSDL				
16.08	13080.	4239.	4493.	4347.	0.45	2	1188.	
1673.14	0.0	1212.	554.	1645.	0.24	0	1672.70	
10.94	0.0	3.50	8.12	2.64	1.14	1673.59	1672.00	
0.005624	0.050	0.080	0.050	0.070	0.12	-0.00	80.95	
	1662.20	320.	320.	320.	364.	824.	1268.68	328.

*SECNO 16.200

*** GR CARDS REPEATED

VALLEY RIVER

500 YEAR FLOOD

05/02/81

TRIAL

TOPMID

VOL

16.20	13010.	4814.	4269.	3926.	0.46	4	1185.	
1677.10	0.0	1133.	536.	1454.	0.01	0	1676.90	

K04

10.70	0.0	4.25	7.97	2.70	3.96	1677.56	1676.20	
0.006858	0.051	0.070	0.055	0.070	0.01	-0.00	82.02	
	1666.40	640.	640.	640.	363.	822.	1267.01	376.

*SECNO 16.570

3265 DIVIDED FLOW

16.57	12820.	4550.	5910.	2360.	0.28	4	898.	
1684.50	0.0	1967.	1032.	905.	-0.18	0	1680.50	
14.30	0.0	2.31	5.73	2.61	7.21	1684.78	1680.00	
0.002118	0.052	0.070	0.055	0.070	0.02	-0.00	82.73	
	1670.20	2050.	2050.	2050.	678.	264.	1024.06	542.

*SECNO 17.000

17.00	12590.	224.	5460.	6906.	0.42	3	1278.	
1691.07	0.0	203.	780.	2076.	0.14	0	1690.50	
10.87	0.0	1.10	7.00	3.33	6.64	1691.50	1688.50	
0.004030	0.053	0.090	0.055	0.060	0.07	-0.00	362.32	
	1680.20	2340.	2340.	2340.	235.	1043.	1640.35	729.

*SECNO 17.100

*** GR CARDS REPEATED

17.10	12530.	189.	5645.	6696.	0.48	2	1267.	
1693.32	0.0	173.	767.	1917.	0.06	0	1692.90	
10.72	0.0	1.09	7.36	3.49	2.27	1693.80	1690.90	
0.004575	0.053	0.090	0.055	0.060	0.03	-0.00	371.50	
	1682.60	530.	530.	530.	225.	1041.	1638.25	765.

*SECNO 17.460

17.46	12340.	6071.	5378.	890.	0.34	4	1460.	
1701.83	0.0	2594.	822.	439.	-0.14	0	1699.50	
10.93	0.0	2.34	6.54	2.03	8.36	1702.17	1700.40	
0.003279	0.053	0.075	0.055	0.065	0.01	-0.00	391.74	
	1690.90	2170.	2170.	2170.	1182.	277.	1851.30	932.

*SECNO 17.720

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

VALLEY RIVER		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	
17.72	12200.	2072.	9952.	176.	1.66	4	580.		
1707.46	1707.40	545.	879.	118.	1.33	12	1703.50		
13.06	0.0	3.80	11.33	1.49	6.29	1709.12	1706.90		
0.010217	0.054	0.065	0.055	0.075	0.66	-0.00	2089.33		

L04

1694.40 1180. 1180. 1180. 366. 250. 2705.34 1005.

*SECNO 17.720

3301 HV CHANGED MORE THAN HVINS

17.72	12200.	2752.	7067.	2381.	0.57	3	631.	
1709.11	0.0	767.	941.	949.	-1.09	0	1697.40	
14.71	0.0	3.59	7.51	2.51	0.45	1709.68	1697.80	
0.002539	0.054	0.065	0.055	0.075	0.11	-0.00	2260.73	
	1694.40	100.	100.	100.	193.	438.	2892.05	1010.

*SECNO 17.720

330T HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE, NRD= 10 MIN ELTRD= 1705.00 MAX ELLC= 1708.80

17.72	12200.	1034.	7559.	3606.	1.10	2	487.	
1708.85	0.0	190.	759.	768.	0.52	0	1707.00	
14.45	0.0	5.46	9.96	4.69	0.01	1709.95	1707.00	
0.017627	0.054	0.065	0.055	0.075	0.26	-167.08	2392.00	
	1694.40	1.	1.	1.	62.	425.	2878.67	1010.

*SECNO 17.720

*** GR CARDS REPEATED

3370 NORMAL BRIDGE, NRD= 10 MIN ELTRD= 1705.00 MAX ELLC= 1708.80

17.72	12200.	934.	6828.	4438.	0.85	3	502.	
1709.41	0.0	190.	759.	974.	-0.25	0	1707.00	
15.01	0.0	4.93	9.00	4.56	0.29	1710.26	1707.00	
0.014380	0.054	0.065	0.055	0.075	0.02	-236.81	2392.00	
	1694.40	18.	18.	18.	62.	440.	2893.74	1011.

*SECNO 17.720

17.72	12200.	2776.	6434.	2991.	0.39	2	650.	
1709.91	0.0	900.	999.	1277.	-0.46	0	1697.40	
15.51	0.0	3.08	6.44	2.34	0.00	1710.31	1697.80	
0.001721	0.054	0.065	0.055	0.070	0.05	-0.00	2246.90	
	1694.40	1.	1.	1.	207.	443.	2896.63	1011.

*SECNO 17.720

3265 DIVIDED FLOW

VALLEY RIVER			500 YEAR FLOOD		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	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

MO4

17.72	12200.	3791.	6470.	1939.	0.30	3	995.	
1710.23	0.0	1523.	1151.	1073.	-0.10	0	1703.50	
15.83	0.0	2.49	5.62	1.81	0.21	1710.53	1706.90	
0.001757	0.053	0.065	0.055	0.070	0.01	-0.00	1889.26	
	1694.40	50.	50.	400.	566.	443.	2898.37	1024.

*SECNO 17.850

17.85	12110.	2691.	9244.	175.	0.59	2	474.	
1711.13	0.0	1307.	1333.	133.	0.29	0	1704.50	
15.13	0.0	2.06	6.94	1.32	1.05	1711.72	1705.00	
0.002161	0.053	0.090	0.055	0.090	0.14	-0.00	1958.78	
	1696.00	570.	570.	220.	358.	115.	2432.44	1062.

*SECNO 17.930

*** GR CARDS REPEATED

3265 DIVIDED FLOW

17.93	12060.	1768.	10228.	64.	1.01	2	443.	
1712.16	0.0	796.	1172.	38.	0.43	0	1707.20	
13.46	0.0	2.22	8.73	1.66	1.24	1713.17	1707.70	
0.004058	0.053	0.085	0.055	0.070	0.21	-0.00	1968.01	
	1698.70	430.	430.	430.	349.	110.	2427.39	1085.

*SECNO 18.130

18.13	11920.	990.	7733.	3197.	0.70	3	514.	
1716.53	0.0	463.	961.	1007.	-0.31	0	1713.20	
11.33	0.0	2.14	8.05	3.18	4.03	1717.23	1712.50	
0.004537	0.054	0.100	0.055	0.080	0.03	-0.00	1791.74	
	1705.20	940.	940.	940.	208.	306.	2305.43	1133.

*SECNO 18.430

3301 HV CHANGED MORE THAN HVINS

18.43	11720.	640.	11055.	25.	1.55	3	164.	
1725.40	0.0	176.	1078.	13.	0.85	0	1720.30	
13.20	0.0	3.65	10.25	1.83	9.29	1726.95	1722.90	
0.006568	0.054	0.080	0.055	0.075	0.43	-0.00	2664.94	
	1712.20	1720.	1720.	1720.	103.	61.	2828.73	1206.

*SECNO 18.430

*** GR CARDS REPEATED

VALLEY RIVER		500 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	WLN	XNL	XNCH	XNR	OLOSS	CORAR		ENDST	VOL
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR			
18.43	11720.	732.	10949.	39.	1.36	2	170.		
1725.98	0.0	207.	1137.	20.	-0.19	0	1720.30		
13.78	0.0	3.54	9.63	1.91	0.37	1727.34	1722.90		

A05

0.005403 0.054 0.080 0.055 0.075 0.02 -0.00 2661.58
 1712.20 250. 50. 50. 106. 64. 2831.21 1209.

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 1723.44 NOT 1725.98
 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	42.00	4.00	490.00	0.0
	ELCHU	ELCHD						
	1712.90	1712.90						

*SECNO 18.430

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
1740.20	1733.34	0.0	4717.	7017.	490.	490.	1725.80
ELTRD							
1728.80							
18.43	11720.	2068.	8979.	673.	0.38	2	953.
1730.70	0.0	1254.	1613.	543.	-0.98	0	1720.30
18.50	0.0	1.65	5.56	1.24	3.74	1731.08	1722.90
0.001131	0.054	0.080	0.055	0.075	0.0	-0.00	1850.00
	1712.20	32.	32.	32.	918.	473.	3240.33
							1210.

*SECNO 18.430

*** GR CARDS REPEATED

3265 DIVIDED FLOW

18.43	11720.	2339.	8539.	842.	0.33	1	954.
1730.78	0.0	1284.	1620.	572.	-0.05	0	1720.30
18.58	0.0	1.82	5.27	1.47	0.02	1731.11	1722.90
0.001200	0.054	0.075	0.060	0.065	0.01	-0.00	1850.00
	1712.20	20.	20.	20.	918.	473.	3240.55
							1212.

*SECNO 18.550

3265 DIVIDED FLOW

18.55	11640.	3727.	7149.	764.	0.56	2	748.
1731.72	0.0	1561.	971.	232.	0.23	0	1721.90
16.42	0.0	2.39	7.36	3.29	1.06	1732.28	1725.80

805

0.002350	0.054	0.080	0.055	0.075	0.11	-0.00	995.24	
	1715.30	650.	650.	650.	1691.	177.	2863.14	1259.

*SECNO 18.650

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

18.65	11570.	2595.	8252.	723.	1.07	2	471.	
1733.16	0.0	726.	863.	167.	0.52	0	1725.00	
14.76	0.0	3.57	9.56	4.33	1.70	1734.24	1728.90	
0.004636	0.054	0.080	0.055	0.075	0.26	-0.00	1440.34	
	1718.40	530.	530.	530.	1246.	63.	2749.56	1286.

*SECNO 18.930

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

VALLEY RIVER		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
18.93	11380.	4582.	5063.	1735.	0.15	3	1480.	
1738.24	0.0	3033.	1153.	986.	-0.92	0	1734.80	
11.54	0.0	1.51	4.39	1.76	4.07	1738.40	1733.10	
0.001488	0.054	0.080	0.060	0.095	0.09	-0.00	784.61	
	1726.70	1670.	1670.	1670.	1231.	266.	2281.37	1419.

*SECNO 19.030

*** GR CARDS REPEATED

3265 DIVIDED FLOW

19.03	11310.	2331.	7320.	1659.	0.63	2	1132.	
1739.41	0.0	1177.	947.	612.	0.48	0	1737.80	
9.71	0.0	1.98	7.73	2.71	1.40	1740.04	1736.10	
0.006005	0.054	0.080	0.060	0.095	0.24	-0.00	839.59	
	1729.70	530.	530.	530.	1176.	256.	2271.23	1467.

CCHV= 0.300 CEHV= 0.800

*SECNO 19.200

19.28	11150.	0.	8887.	2263.	0.60	4	558.	
1747.56	0.0	0.	1293.	1098.	-0.03	0	1747.80	
10.96	0.0	0.0	6.88	2.06	8.11	1748.15	1745.30	
0.004177	0.054	0.075	0.055	0.100	0.01	-0.00	913.62	

C05

1736.60 1630. 1630. 1630. 80. 478. 1471.74 1563.

*SECNO 19.280

*** GR CARDS REPEATED

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 1748.20 ELREA= 1748.50

19.28	11150.	0.	11150.	0.	1.05	2	161.
1747.95	0.0	0.	1355.	0.	0.45	0	1747.80
11.35	0.0	0.0	8.23	0.0	0.48	1749.00	1745.30
0.005645	0.054	0.075	0.055	0.100	0.36	-0.00	913.00
	1736.60	100.	100.	100.	81.	81.	1074.00 1567.

*SECNO 19.280

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE, NRD= 13 MIN ELTRD= 1749.80 MAX ELLC= 1748.40

19.28	11150.	0.	11003.	147.	1.61	2	153.
1747.85	0.0	0.	1075.	35.	0.56	0	1747.50
11.25	0.0	0.0	10.24	4.19	0.01	1749.46	1748.40
0.020052	0.054	0.055	0.055	0.055	0.45	-49.11	919.72
	1736.60	1.	1.	1.	73.	308.	1300.00 1567.

*SECNO 19.280

*** GR CARDS REPEATED

3265 DIVIDED FLOW

VALLEY RIVER		500 YEAR FLOOD			05/02/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRVAL	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= 13 MIN ELTRD= 1749.80 MAX ELLC= 1748.40

19.28	11150.	0.	10975.	175.	1.53	3	157.
1748.85	0.0	0.	1099.	35.	-0.08	0	1747.50
12.25	0.0	0.0	9.99	4.99	0.90	1750.38	1748.40
0.028406	0.054	0.055	0.055	0.055	0.02	-180.65	918.91
	1736.60	38.	38.	38.	74.	308.	1300.00 1568.

*SECNO 19.280

3301 HV CHANGED MORE THAN HVINS

D05

19.28	11150.	559.	6942.	3649.	0.16	5	992.
1750.63	0.0	584.	1787.	2271.	-1.37	0	1747.80
14.03	0.0	0.96	3.88	1.61	0.00	1750.79	1745.30
0.000870	0.054	0.070	0.055	0.085	0.41	-0.00	555.12
	1736.60	1.	1.	1.	438.	554.	1547.08
							1568.

*SECNO 19.280

*** GR CARDS REPEATED

19.28	11150.	573.	6918.	3659.	0.16	2	996.
1750.67	0.0	598.	1794.	2290.	-0.00	0	1747.80
14.07	0.0	0.96	3.86	1.60	0.03	1750.83	1745.30
0.000853	0.054	0.070	0.055	0.085	0.00	-0.00	551.93
	1736.60	40.	40.	40.	442.	555.	1548.04
							1573.

CCHV= 0.100 CEHV= 0.500

*SECNO 19.550

3301 HV CHANGED MORE THAN HVINS

VALLEY RIVER			500 YEAR FLOOD		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
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST
							VOL

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

19.55	10960.	71.	7227.	3662.	1.47	20	746.
1756.95	1756.95	20.	614.	1256.	1.31	13	1751.50
10.45	0.0	3.45	11.78	2.92	2.23	1758.41	1750.80
0.012047	0.055	0.080	0.060	0.100	0.65	-0.00	89.49
	1746.50	1060.	1060.	1060.	38.	708.	835.13
							1653.

CCHV= 0.300 CEHV= 0.800

*SECNO 19.870

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

19.87	10740.	900.	9083.	758.	0.91	4	665.
1769.35	0.0	540.	1094.	413.	-0.55	0	1761.50
11.05	0.0	1.67	8.30	1.83	11.68	1770.26	1762.00
0.004907	0.055	0.140	0.060	0.070	0.17	-0.00	318.02
	1758.30	1590.	1590.	1590.	463.	402.	1183.14
							1724.

*SECNO 19.870

3265 DIVIDED FLOW

VALLEY RIVER			500 YEAR FLOOD		05/02/81		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID

E05

ELEV DEPTH SLOPE	CRWS WSELK WTN ELMIN	ALOB VLOB XNL XLOBL	ACH VCH XNCH XLCH	AROB VROB XNR XLOBR	DHV HL OLOSS WSDL	IDC EG CORAR WSDR	BANK ELEV LEFT/RIGHT SSTA ENDGT	VOL
19.87	10740.	328.	10389.	23.	1.10	2	523.	
1769.79	0.0	285.	1212.	38.	0.19	0	1760.90	
11.49	0.0	1.15	8.57	0.60	0.48	1770.89	1763.00	
0.004666	0.055	0.100	0.055	0.070	0.15	-0.00	371.02	
	1758.30	100.	100.	100.	408.	383.	1162.03	1729.

*SECNO 19.870

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1769.90 MAX ELLC= 1769.60

19.87	10740.	615.	10084.	41.	1.14	0	516.	
1769.79	0.0	277.	1142.	36.	0.04	0	1771.50	
11.49	0.0	2.22	8.83	1.13	0.01	1770.93	1772.00	
0.016922	0.055	0.100	0.055	0.070	0.03	-27.18	370.84	
	1758.30	1.	1.	1.	409.	382.	1162.37	1729.

**SECNO 19.870

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1769.90 MAX ELLC= 1769.60

19.87	10740.	1083.	9351.	306.	0.91	2	670.	
1770.40	0.0	443.	1146.	154.	-0.23	0	1771.50	
12.10	0.0	2.44	8.16	1.99	0.31	1771.31	1772.00	
0.014410	0.055	0.100	0.055	0.070	0.07	-95.40	344.82	
	1758.30	20.	20.	20.	435.	428.	1208.40	1729.

CCHV= 0.100 CEHV= 0.500

*SECNO 19.870

3265 DIVIDED FLOW

19.87	10740.	868.	9650.	222.	0.77	2	724.	
1770.56	0.0	513.	1304.	202.	-0.14	0	1760.90	
12.26	0.0	1.69	7.40	1.10	0.01	1771.33	1763.00	
0.003153	0.055	0.070	0.055	0.065	0.01	-0.00	338.96	
	1758.30	1.	1.	1.	441.	442.	1221.64	1729.

*SECNO 19.870

3301 HV CHANGED MORE THAN HVINS

19.87	10740.	3134.	5737.	1869.	0.18	2	915.	
1771.27	0.0	1782.	1291.	1190.	-0.58	0	1761.50	

F05

12.97	0.0	1.76	4.44	1.57	0.06	1771.45	1762.00	
0.000948	0.055	0.070	0.055	0.065	0.06	-0.00	286.10	
	1758.30	40.	40.	40.	495.	420.	1201.30	1732.

*SECNO 19.950

*** GR CARDS REPEATED

VALLEY RIVER		500 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		
19.95	10690.	2532.	6936.	1222.	0.38	2	893.	
1771.66	0.0	1208.	1157.	715.	0.20	0	1763.20	
11.66	0.0	2.10	5.99	1.71	0.49	1772.04	1763.70	
0.001994	0.055	0.070	0.055	0.065	0.10	-0.00	296.03	
	1760.00	370.	370.	370.	485.	408.	1188.61	1763.

*SECNO 20.040

3301 HV CHANGED MORE THAN HVINS

VALLEY RIVER		500 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		
7185 MINIMUM SPECIFIC ENERGY								
3720 CRITICAL DEPTH ASSUMED								
20.04	9230.	2148.	6987.	95.	2.45	3	172.	
1772.81	1772.81	304.	503.	24.	2.07	15	1769.70	
10.71	0.0	7.06	13.89	3.97	2.12	1775.26	1768.60	
0.016245	0.055	0.060	0.055	0.075	1.03	-0.00	744.79	
	1762.10	520.	520.	520.	130.	41.	916.37	1787.

*SECNO 20.040

3301 HV CHANGED MORE THAN HVINS

20.04	9230.	1055.	7727.	448.	1.40	3	134.	
1774.71	0.0	169.	766.	118.	-1.05	0	1767.20	
12.61	0.0	6.24	10.08	3.81	0.75	1776.11	1767.30	
0.006061	0.055	0.060	0.055	0.075	0.10	-0.00	823.68	
	1762.10	80.	80.	80.	67.	67.	957.77	1788.

*SECNO 20.040

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 6 MIN ELTRD= 1782.80 MAX ELLC= 1784.20

605

20.04	9230.	1414.	7248.	569.	1.32	2	132.
1774.80	0.0	172.	750.	114.	-0.08	0	1767.20
12.70	0.0	8.21	9.66	4.97	0.01	1776.12	1767.30
0.010333	0.055	0.060	0.055	0.075	0.01	-0.00	823.50
	1762.10	1.	1.	1.	67.	67.	957.56
							1789.

*SECNO 20.060

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 6 MIN ELTRD= 1782.80 MAX ELLC= 1784.90

20.06	9230.	1499.	7076.	655.	1.12	2	134.
1776.13	0.0	192.	794.	135.	-0.20	0	1767.90
13.33	0.0	7.79	8.91	4.86	1.11	1777.26	1768.00
0.008398	0.055	0.060	0.055	0.075	0.02	-0.00	822.30
	1762.80	120.	120.	120.	68.	68.	958.73
							1791.

*SECNO 20.060

VALLEY RIVER

500 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
20.06	9230.	980.	7785.	465.	1.25	2	136.	
1776.08	0.0	191.	814.	139.	0.13	0	1767.90	
13.28	0.0	5.14	9.57	3.34	0.01	1777.33	1768.00	
0.005032	0.055	0.070	0.055	0.085	0.06	-0.00	822.41	
	1762.80	1.	1.	1.	68.	68.	958.91	1792.

*SECNO 20.060

3301 HV CHANGED MORE THAN HVINS

20.06	9230.	3485.	5507.	238.	0.74	2	216.
1776.76	0.0	768.	674.	90.	-0.51	0	1768.70
11.66	0.0	4.54	8.18	2.63	0.13	1777.51	1768.60
0.003784	0.055	0.070	0.055	0.085	0.05	-0.00	711.40
	1765.10	30.	30.	30.	164.	52.	927.09
							1792.

*SECNO 20.340

20.34	8870.	5136.	2029.	1705.	0.34	3	672.
1779.85	0.0	942.	468.	1112.	-0.40	0	1774.80
9.55	0.0	5.45	4.34	1.53	2.64	1780.19	1777.20
0.001728	0.055	0.040	0.055	0.075	0.04	-0.00	59.31
	1770.30	850.	1260.	1260.	179.	494.	731.73
							1843.

*SECNO 20.400

*** GR CARDS REPEATED

H05

H05

20.40	8800.	5447.	2240.	1113.	0.57	2	624.
1780.49	0.0	801.	412.	689.	0.23	0	1776.40
8.59	0.0	6.80	5.43	1.62	0.76	1781.06	1778.80
0.003208	0.055	0.040	0.055	0.075	0.11	-0.00	63.28
	1771.90	330.	330.	330.	175.	449.	687.17
							1860.

*SECNO 20.540

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

VALLEY RIVER			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

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 1785.50 ELREA= 1782.00

20.54	8620.	0.	4989.	3631.	1.46	17	396.
1784.28	1784.28	0.	428.	603.	0.89	5	1785.90
8.48	0.0	0.0	11.66	6.02	4.01	1785.74	1782.20
0.017712	0.055	0.040	0.055	0.065	0.45	-0.00	446.70
	1775.80	640.	640.	640.	32.	488.	966.79
							1881.

THIS RUN EXECUTED 05/02/81 8:17:34

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

T1	ANDREWS NC LFS	VALLEY	1950
T2	MAX PROB FLOOD	MARCH 1981 BCH	1955
T3	VALLEY RIVER	FLOOD PROFILES	1960

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ	
	0.	6.	0.	0.	0.00266	0.	0.0	35000.	1662.00	0.0	1965

J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE	
	15.	0.	-1.	0.	0.	0.0	0.0	0.	0.	0.	1970

*PROF 5

CCHV= 0.100 CEHV= 0.500

*SECNO 15.140

VALLEY RIVER		MAX PROB 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			
15.14	35000.	587.	8527.	25886.	0.46	0	1349.		
1662.95	0.0	218.	1007.	6454.	0.50	0	1653.00		
14.55	1662.00	2.69	8.47	4.01	0.0	1663.40	1652.90		
0.002665	0.0	0.070	0.050	0.060	0.0	-3.00	614.61		
	1648.40	0.	0.	0.	106.	1243.	1963.89		0.

*SECNO 15.570

15.57	34420.	13264.	6541.	14616.	0.43	3	1611.		
1667.39	0.0	3398.	789.	3242.	-0.03	0	1663.80		
11.09	0.0	3.90	8.27	4.51	4.41	1667.81	1663.90		
0.004182	0.050	0.065	0.050	0.060	0.00	-0.00	102.24		
	1656.30	1340.	1340.	1340.	852.	759.	1713.03		232.

*SECNO 16.020

16.02	33790.	9711.	6603.	17476.	0.39	3	1229.		
1674.76	0.0	2424.	821.	4536.	-0.04	0	1670.70		
14.56	0.0	4.01	8.04	3.85	7.33	1675.15	1670.00		
0.003261	0.050	0.080	0.050	0.070	0.00	-0.00	65.05		
	1660.20	1990.	1990.	1990.	380.	849.	1293.60		580.

*SECNO 16.080

*** GR CARDS REPEATED

16.08	33720.	9865.	7172.	16683.	0.53	0	1219.		
1675.96	0.0	2148.	762.	3882.	0.14	0	1672.70		
13.76	0.0	4.59	9.42	4.30	1.27	1676.49	1672.00		
0.004951	0.050	0.080	0.050	0.070	0.07	-0.00	68.61		
	1662.20	320.	320.	320.	376.	843.	1288.03		633.

*SECNO 16.200

*** GR CARDS REPEATED

VALLEY RIVER		MAX PROB 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			
16.20	33560.	11154.	6830.	15576.	0.61	2	1213.		
1679.56	0.0	1949.	718.	3409.	0.07	0	1676.90		
13.16	0.0	5.72	9.51	4.57	3.64	1680.17	1676.20		
0.006611	0.051	0.070	0.055	0.070	0.04	-0.00	71.19		
	1666.40	640.	640.	640.	374.	839.	1283.98		728.

K05

*SECNO 16.570

3265 DIVIDED FLOW

16.57	33060.	15608.	10531.	6921.	0.46	4	972.	
1687.88	0.0	4020.	1367.	1665.	-0.14	0	1680.50	
17.68	0.0	3.88	7.71	4.16	8.15	1688.34	1680.00	
0.002639	0.052	0.070	0.055	0.070	0.01	-0.00	69.02	
	1670.20	2050.	2050.	2050.	691.	293.	1053.14	1037.

*SECNO 17.000

17.00	32480.	2139.	7716.	22625.	0.39	3	1396.	
1694.35	0.0	973.	1068.	5414.	-0.07	0	1690.50	
14.15	0.0	2.20	7.22	4.18	6.39	1694.73	1688.50	
0.002828	0.053	0.090	0.055	0.060	0.01	-0.00	287.19	
	1680.20	2340.	2340.	2340.	310.	1087.	1683.67	1426.

*SECNO 17.100

*** GR CARDS REPEATED

17.10	32340.	1896.	8447.	21997.	0.52	2	1375.	
1696.07	0.0	797.	1008.	4708.	0.13	0	1692.90	
13.47	0.0	2.38	8.38	4.67	1.79	1696.59	1690.90	
0.004107	0.053	0.090	0.055	0.060	0.07	-0.00	299.31	
	1682.60	530.	530.	530.	298.	1078.	1674.66	1511.

*SECNO 17.460

17.46	31850.	19916.	8242.	3692.	0.38	3	1782.	
1704.35	0.0	6079.	1049.	1034.	-0.14	0	1699.50	
13.45	0.0	3.28	7.86	3.57	8.12	1704.73	1700.40	
0.003421	0.053	0.075	0.055	0.065	0.01	-0.00	77.06	
	1690.90	2170.	2170.	2170.	1497.	286.	1859.51	1877.

*SECNO 17.720

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

VALLEY RIVER		MAX PROB FLOOD			05/02/81			
MILE	Q	QLOB	QCH	QROB	H/V	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

17.72	31500.	10121.	16377.	5002.	1.82	3	1027.	
1710.44	1710.44	1630.	1171.	1156.	1.44	12	1703.50	
16.04	0.0	6.21	13.99	4.33	6.55	1712.26	1706.90	
0.010615	0.054	0.065	0.055	0.075	0.72	-0.00	1860.04	
	1694.40	1180.	1180.	1180.	595.	445.	2899.55	2041.

L05

*SECNO 17.720
 17.72 31500. 7594. 14433. 9473. 1.43 2 733.
 1711.64 0.0 1223. 1123. 1985. -0.39 0 1697.40
 17.24 0.0 6.21 12.85 4.77 0.77 1713.07 1697.80
 0.005868 0.054 0.065 0.055 0.075 0.04 -0.00 2173.12
 1694.40 100. 100. 100. 281. 452. 2906.33 2051.

*SECNO 17.720

3301 HV CHANGED MORE THAN HVINS

VALLEY RIVER		MAX PROB FLOOD			05/02/81		TOPWID		
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= 10 MIN ELTRD= 1705.00 MAX ELLC= 1708.80

7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
 17.72 31500. 1717. 12545. 17238. 2.73 2 511.
 1711.09 1711.09 190. 759. 1617. 1.30 11 1707.00
 16.69 0.0 9.06 16.54 10.66 0.01 1713.82 1707.00
 0.048551 0.054 0.065 0.055 0.075 0.65 -447.13 2392.00
 1694.40 1. 1. 1. 62. 449. 2903.25 2051.

*SECNO 17.720

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE, NRD= 10 MIN ELTRD= 1705.00 MAX ELLC= 1708.80

17.72	31500.	4541.	6737.	20221.	0.88	4	1285.		
1713.55	0.0	1201.	759.	2631.	-1.84	0	1707.00		
19.15	0.0	3.78	8.88	7.69	0.43	1714.43	1707.00		
0.014003	0.054	0.065	0.055	0.075	0.18	-647.69	1635.60		
	1694.40	18.	18.	18.	818.	467.	2920.81		2052.

*SECNO 17.720

17.72	31500.	8955.	11184.	11360.	0.55	2	1392.		
1713.91	0.0	2548.	1287.	2950.	-0.33	0	1697.40		
19.51	0.0	3.51	8.69	3.85	0.00	1714.47	1697.80		
0.002238	0.054	0.065	0.055	0.070	0.03	-0.00	1533.72		
	1694.40	1.	1.	1.	920.	472.	2925.61		2052.

*SECNO 17.720

VALLEY RIVER		MAX PROB FLOOD			05/02/81		TOPWID		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID		
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	BANK ELEV		

M05

DEPTH SLOPE	WSELK WTN ELMIN	VLOB XNL XLOBL	VCH XNCH XLCH	VROB XNR XLOBR	HL OLOSS WSDL	EG CORAR WSDR	LEFT/RIGHT SSTA ENDST	VOL
17.72	31500.	14021.	9495.	7984.	0.26	2	1649.	
1714.51	0.0	5012.	1570.	2821.	-0.30	0	1703.50	
20.11	0.0	2.80	6.05	2.83	0.27	1714.77	1706.90	
0.001343	0.053	0.065	0.055	0.070	0.03	-0.00	1284.40	
	1694.40	50.	50.	400.	1171.	478.	2933.47	2085.

*SECNO 17.850

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

17.85	31300.	13235.	16577.	1488.	0.81	2	1712.	
1715.22	0.0	4789.	1725.	695.	0.56	0	1704.50	
19.22	0.0	2.76	9.61	2.14	0.99	1716.03	1705.00	
0.002941	0.053	0.090	0.055	0.090	0.28	-0.00	964.94	
	1696.00	570.	570.	220.	1352.	400.	2717.11	2179.

*SECNO 17.930

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

17.93	31180.	11307.	18561.	1312.	1.33	2	1209.	
1716.55	0.0	3190.	1594.	327.	0.52	0	1707.20	
17.85	0.0	3.54	11.65	4.01	1.59	1717.88	1707.70	
0.004799	0.053	0.085	0.055	0.070	0.26	-0.00	1231.51	
	1698.70	430.	430.	430.	1085.	124.	2440.64	2240.

*SECNO 18.130

3301 HV CHANGED MORE THAN HVINS

18.13	30880.	7967.	12487.	10426.	0.61	2	1559.	
1721.09	0.0	3292.	1403.	2599.	-0.73	0	1713.20	
15.89	0.0	2.42	8.90	4.01	3.74	1721.70	1712.50	
0.003349	0.053	0.100	0.055	0.080	0.07	-0.00	1000.00	
	1705.20	940.	940.	940.	1000.	559.	2558.72	2374.

*SECNO 18.430

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

VALLEY RIVER			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

A06

SLOPE	WTN ELMIN	XNL XLOBL	XNCH XLCH	XNR XLOBR	QLOSS WSDL	CORAR WSDR	SSTA ENDST	VOL
7185 MINIMUM SPECIFIC ENERGY								
3720 CRITICAL DEPTH ASSUMED								
18.43	30420.	5325.	23383.	1711.	2.58	3	953.	
1730.67	1730.67	1238.	1610.	528.	1.97	14	1720.30	
18.47	0.0	4.30	14.53	3.24	8.35	1733.24	1722.90	
0.007728	0.054	0.080	0.055	0.075	0.99	0.0	1850.00	
	1712.20	1720.	1720.	1720.	918.	473.	3240.21	2585.

*SECNO 18.430

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

VALLEY RIVER		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	QLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
18.43	30420.	7343.	19179.	3898.	1.16	4	961.	
1732.69	0.0	2108.	1814.	1387.	-1.42	0	1720.30	
20.49	0.0	3.48	10.57	2.81	0.46	1733.84	1722.90	
0.003493	0.054	0.080	0.055	0.075	0.14	-0.00	1850.00	
	1712.20	250.	50.	50.	918.	479.	3246.67	2597.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	42.00	4.00	490.00	0.0
ELCHU	ELCHD							
1712.90	1712.90							

*SECNO 18.430

*** GR CARDS REPEATED

3265 DIVIDED FLOW

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
1828.44	1734.19	0.34	26469.	3957.	490.	490.	1725.80
ELTRD							
1728.80							
18.43	30420.	7893.	17874.	4653.	0.88	3	964.
1733.43	0.0	2431.	1889.	1708.	-0.28	0	1720.30

B06

21.23	0.0	3.25	9.46	2.72	0.46	1734.31	1722.90	
0.002649	0.054	0.080	0.055	0.075	0.0	-0.00	1850.00	
	1712.20	32.	32.	32.	918.	482.	3249.06	2601.

*SECNO 18.430

*** GR CARDS REPEATED

3265 DIVIDED FLOW

18.43	30420.	8672.	16021.	5727.	0.65	2	965.	
1733.73	0.0	2561.	1920.	1838.	-0.23	0	1720.30	
21.53	0.0	3.39	8.35	3.12	0.05	1734.38	1722.90	
0.002400	0.054	0.075	0.060	0.065	0.02	-0.00	1850.00	
	1712.20	20.	20.	20.	918.	483.	3250.03	2604.

*SECNO 18.550

3265 DIVIDED FLOW

18.55	30240.	15567.	11688.	2985.	0.66	2	1302.	
1735.46	0.0	4617.	1214.	948.	0.01	0	1721.90	
20.16	0.0	3.37	9.63	3.15	1.73	1736.12	1725.80	
0.002986	0.054	0.080	0.055	0.075	0.01	-0.00	736.13	
	1715.30	650.	650.	650.	1950.	317.	3003.84	2702.

*SECNO 18.650

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

18.65	30080.	13895.	13746.	2438.	1.19	2	1244.	
1737.25	0.0	3396.	1129.	578.	0.53	0	1725.00	
18.85	0.0	4.09	12.18	4.22	2.06	1738.44	1728.90	
0.005259	0.054	0.080	0.055	0.075	0.27	-0.00	761.38	
	1718.40	530.	530.	530.	1925.	314.	3000.40	2774.

*SECNO 18.930

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

VALLEY RIVER		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	
18.93	29660.	17594.	7847.	4219.	0.16	3	1693.		

C06

1742.12	0.0	7778.	1592.	1884.	-1.04	0	1734.80	
15.42	0.0	2.26	4.93	2.24	3.73	1742.28	1733.10	
0.001221	0.054	0.080	0.060	0.095	0.10	-0.00	660.44	
	1726.70	1670.	1670.	1670.	1355.	355.	2370.40	3088.

*SECNO 19.030

*** GR CARDS REPEATED

19.03	29510.	15261.	9904.	4345.	0.37	2	1558.	
1743.02	0.0	5151.	1354.	1367.	0.21	0	1737.80	
13.32	0.0	2.96	7.31	3.18	1.00	1743.39	1736.10	
0.003334	0.054	0.080	0.060	0.095	0.11	-0.00	736.72	
	1729.70	530.	530.	530.	1279.	279.	2294.35	3204.

CCHV= 0.300 CEHV= 0.800

*SECNO 19.280

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

19.28	29140.	1189.	18924.	9027.	1.26	3	966.	
1750.40	0.0	504.	1750.	2316.	0.88	0	1747.80	
13.80	0.0	2.36	10.81	3.90	7.56	1751.66	1745.30	
0.006928	0.054	0.075	0.055	0.100	0.71	-0.00	573.02	
	1736.60	1630.	1630.	1630.	420.	586.	1579.57	3437.

*SECNO 19.280

*** GR CARDS REPEATED

3265 DIVIDED FLOW

19.28	29140.	2235.	17324.	9581.	0.81	3	1050.	
1751.51	0.0	913.	1929.	2856.	-0.45	0	1747.80	
14.91	0.0	2.45	8.98	3.35	0.53	1752.32	1745.30	
0.004199	0.054	0.075	0.055	0.100	0.13	-0.00	531.74	
	1736.60	100.	100.	100.	462.	590.	15113.89	3449.

*SECNO 19.280

3265 DIVIDED FLOW

VALLEY RIVER		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

3370 NORMAL BRIDGE, NRD= 13 MIN ELTRD= 1749.80 MAX ELLC= 1748.40

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

D06

19.28	29140.	8209.	10152.	10778.	1.08	9	1987.
1752.38	1752.38	919.	1140.	1482.	0.27	9	1747.50
15.78	0.0	8.93	8.91	7.27	0.01	1753.46	1748.40
0.034680	0.054	0.055	0.055	0.055	0.22	-679.02	262.35
	1736.60	1.	1.	1.	730.	1311.	2303.73
							3449.

*SECNO 19.280

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

VALLEY RIVER		MAX PROB 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		

3370 NORMAL BRIDGE, NRD= 13 MIN ELTRD= 1749.80 MAX ELLC= 1748.40

19.28	29140.	9010.	5777.	14352.	0.31	2	2065.
1753.86	0.0	1901.	1354.	3323.	-0.78	0	1747.50
17.26	0.0	4.74	4.27	4.32	0.47	1754.17	1748.40
0.006320	0.054	0.055	0.055	0.055	0.23	-679.03	250.25
	1736.60	38.	38.	38.	742.	1323.	2315.23
							3453.

*SECNO 19.280

19.28	29140.	4469.	12862.	11809.	0.25	2	2070.
1753.94	0.0	2289.	2319.	5633.	-0.06	0	1747.80
17.34	0.0	1.95	5.55	2.10	0.00	1754.19	1745.30
0.001252	0.054	0.070	0.055	0.085	0.02	-0.00	253.30
	1736.60	1.	1.	1.	740.	1330.	2323.37
							3454.

*SECNO 19.280

*** GR CARDS REPEATED

19.28	29140.	4516.	12778.	11846.	0.24	2	2071.
1754.00	0.0	2327.	2329.	5705.	-0.01	0	1747.80
17.39	0.0	1.94	5.49	2.08	0.05	1754.24	1745.30
0.001220	0.054	0.070	0.055	0.085	0.00	-0.00	252.95
	1736.60	40.	40.	40.	741.	1330.	2323.95
							3463.

CCHV= 0.100 CEHV= 0.500

*SECNO 19.550

3301 HV CHANGED MORE THAN HVINS

VALLEY RIVER		MAX PROB 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		

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

19.55	28720.	325.	12614.	15781.	2.12	20	786.	
1759.39	1759.39	69.	763.	2926.	1.88	16	1751.50	
12.89	0.0	4.71	16.54	5.39	3.22	1761.51	1750.80	
0.017772	0.055	0.080	0.060	0.100	0.94	-0.00	61.12	
	1746.50	1060.	1060.	1060.	66.	720.	847.56	3635.

CCHV= 0.300 CEHV= 0.800
 *SECNO 19.870

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

19.87	28230.	4015.	15347.	8868.	0.95	5	761.	
1773.68	0.0	1601.	1536.	2029.	-1.17	0	1761.50	
15.38	0.0	2.51	9.99	4.37	12.77	1774.63	1762.00	
0.004517	0.055	0.140	0.060	0.070	0.35	-0.00	267.84	
	1758.30	1590.	1590.	1590.	513.	448.	1228.51	3798.

*SECNO 19.870

VALLEY RIVER		MAX PROB FLOOD			05/02/81		TOPWID		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	BANK ELEV		
ELEV	CRWS	ALOB	VCH	AROB	DHV	IDC	LEFT/RIGHT		
DEPTH	WSELK	VLOB	XCH	VROB	HL	EG	SSTA		
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	ENDST		VOL
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR			
19.87	28230.	5203.	17712.	5315.	1.08	4	982.		
1774.09	0.0	1938.	1724.	1582.	0.13	0	1760.90		
15.79	0.0	2.68	10.28	3.36	0.43	1775.17	1763.00		
0.004191	0.055	0.100	0.055	0.070	0.11	-0.00	279.03		
	1758.30	100.	100.	100.	500.	482.	1261.43		3810.

*SECNO 19.870

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1769.90 MAX ELLC= 1769.60

19.87	28230.	9719.	7947.	10564.	0.41	3	1003.	
1774.97	0.0	2311.	1402.	1946.	-0.68	0	1771.50	
16.67	0.0	4.21	5.67	5.43	0.01	1775.38	1772.00	
0.008337	0.055	0.100	0.055	0.070	0.20	-388.74	264.02	
	1758.30	1.	1.	1.	516.	487.	1267.19	3810.

*SECNO 19.870

*** GR CARDS REPEATED

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1769.90 MAX ELLC= 1769.60

F06

19.87	28230.	9767.	7745.	10718.	0.38	2	1008.	
1775.16	0.0	2400.	1425.	2029.	-0.03	0	1771.50	
16.86	0.0	4.07	5.43	5.28	0.16	1775.54	1772.00	
0.007494	0.055	0.100	0.055	0.070	0.01	-388.74	260.70	
	1758.30	20.	20.	20.	519.	488.	1268.47	3812.

CCHV= 0.100 CEHV= 0.500

*SECNO 19.870

19.87	28230.	7525.	14539.	6165.	0.57	2	1006.	
1775.07	0.0	2381.	1841.	2001.	0.19	0	1760.90	
16.77	0.0	3.16	7.90	3.08	0.00	1775.64	1763.00	
0.002268	0.055	0.070	0.055	0.065	0.10	-0.00	262.28	
	1758.30	1.	1.	1.	517.	488.	1267.86	3812.

*SECNO 19.870

3265 DIVIDED FLOW

19.87	28230.	10512.	9805.	7913.	0.25	2	1013.	
1775.48	0.0	3729.	1720.	2846.	-0.32	0	1761.50	
17.18	0.0	2.82	5.70	2.78	0.06	1775.74	1762.00	
0.001062	0.055	0.070	0.055	0.065	0.03	-0.00	212.13	
	1758.30	40.	40.	40.	569.	468.	1248.92	3819.

*SECNO 19.950

*** GR CARDS REPEATED

VALLEY RIVER

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
19.95	28110.	10028.	10831.	7251.	0.37	2	971.	
1775.91	0.0	3121.	1591.	2325.	0.12	0	1763.20	
15.91	0.0	3.21	6.81	3.12	0.49	1776.28	1763.70	
0.001683	0.055	0.070	0.055	0.065	0.06	-0.00	263.79	
	1760.00	370.	370.	370.	517.	454.	1234.54	3884.

*SECNO 20.040

3301 HV CHANGED MORE THAN HVINS

VALLEY RIVER

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
20.04	25360.	10061.	14593.	706.	3.88	20	225.	
1777.57	1777.57	877.	789.	109.	3.51	8	1768.70	

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

3693 PROBABLE MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

606

15.47	0.0	11.47	18.50	6.49	1.89	1781.46	1768.60	
0.015816	0.055	0.060	0.055	0.075	1.76	-0.00	704.66	
	1762.10	520.	520.	520.	170.	54.	929.25	3937.

*SECNO 20.040

3301 HV CHANGED MORE THAN HVINS

20.04	25360.	3665.	19569.	2126.	4.82	2	151.	
1778.33	0.0	295.	1024.	250.	0.93	0	1767.20	
16.23	0.0	12.41	19.11	8.50	1.22	1783.14	1767.30	
0.014790	0.055	0.060	0.055	0.075	0.47	-0.00	816.83	
	1762.10	80.	80.	80.	74.	78.	968.00	3940.

*SECNO 20.040

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE, NRD= 6 MIN ELTRD= 1782.80 MAX ELLC= 1784.20

20.04	25360.	5204.	9334.	10822.	0.77	11	944.	
1782.79	0.0	497.	1246.	2791.	-4.05	0	1767.20	
20.69	0.0	10.46	7.49	3.88	0.01	1783.56	1767.30	
0.007138	0.055	0.060	0.055	0.075	0.40	-152.47	803.00	
	1762.10	1.	1.	1.	88.	857.	1747.11	3940.

*SECNO 20.060

*** GR CARDS REPEATED

3370 NORMAL BRIDGE, NRD= 6 MIN ELTRD= 1782.80 MAX ELLC= 1784.90

20.06	25360.	4434.	8952.	11973.	0.60	3	957.	
1783.81	0.0	513.	1246.	3045.	-0.17	0	1767.90	
21.01	0.0	8.64	7.18	3.93	0.83	1784.41	1768.00	
0.006712	0.055	0.060	0.055	0.075	0.02	-189.90	803.00	
	1762.80	120.	120.	120.	88.	869.	1759.66	3953.

*SECNO 20.060

VALLEY RIVER		MAX PROB 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		
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
20.06	25360.	2960.	14034.	8366.	1.03	2	948.	
1783.60	0.0	503.	1348.	3187.	0.43	0	1767.90	
20.80	0.0	5.88	10.41	2.63	0.00	1784.63	1768.00	
0.003043	0.055	0.070	0.055	0.085	0.22	-0.00	803.00	
	1762.80	1.	1.	1.	88.	861.	1751.42	3953.

*SECNO 20.060

H06

3301 HV CHANGED MORE THAN HVINS

20.06	25360.	9023.	8682.	7655.	0.45	2	1131.	
1784.30	0.0	2015.	1126.	3773.	-0.58	0	1768.70	
19.20	0.0	4.48	7.71	2.03	0.07	1784.75	1768.60	
0.001695	0.055	0.070	0.055	0.085	0.06	-0.00	647.88	
	1765.10	30.	30.	30.	227.	904.	1779.25	3957.

*SECNO 20.340

20.34	24390.	10443.	3535.	10412.	0.27	2	1059.	
1785.77	0.0	1901.	811.	4907.	-0.17	0	1774.80	
15.47	0.0	5.49	4.36	2.12	1.28	1786.05	1777.20	
0.000838	0.055	0.040	0.055	0.075	0.02	-0.00	34.81	
	1770.30	850.	1260.	1260.	203.	855.	1093.35	4149.

*SECNO 20.400

** GR CARDS REPEATED

20.40	24180.	10952.	3807.	9421.	0.40	2	993.	
1786.05	0.0	1676.	735.	3854.	0.13	0	1776.40	
14.15	0.0	6.54	5.18	2.44	0.35	1786.46	1778.80	
0.001349	0.055	0.040	0.055	0.075	0.06	-0.00	40.17	
	1771.90	330.	330.	330.	198.	796.	1033.64	4201.

*SECNO 20.540

3265 DIVIDED FLOW

20.54	25700.	14395.	3390.	5915.	0.66	2	892.	
1787.07	0.0	1872.	621.	1993.	0.26	0	1785.90	
11.27	0.0	7.69	5.46	2.97	1.14	1787.73	1782.20	
0.002495	0.055	0.040	0.055	0.065	0.13	-0.00	173.18	
	1775.80	640.	640.	640.	306.	602.	1080.74	4280.

THIS RUN EXECUTED 05/02/81 8:17:36

 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/

VALLEY RIVER

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01K
15.140	0.	0.0	0.0	1648.4	5560.0	1658.00	0.0	1658.47	27.14	6.32	1336.92	1067.31
15.140	0.	0.0	0.0	1648.4	8480.0	1659.00	0.0	1659.42	26.20	6.68	2499.78	1656.74
15.140	0.	0.0	0.0	1648.4	9890.0	1659.30	0.0	1659.72	26.96	6.92	2883.38	1904.76
15.140	0.	0.0	0.0	1648.4	13580.0	1660.04	0.0	1660.44	26.79	7.23	3832.56	2623.57
15.140	0.	0.0	0.0	1648.4	35000.0	1662.95	0.0	1663.40	26.65	8.47	7678.80	6779.94
15.570	1340.	0.0	0.0	1656.3	5460.0	1663.42	1663.30	1664.01	69.34	7.51	1322.18	655.69
15.570	1340.	0.0	0.0	1656.3	8330.0	1664.10	0.0	1664.57	61.70	7.53	2254.42	1060.47
15.570	1340.	0.0	0.0	1656.3	9720.0	1664.38	0.0	1664.81	57.71	7.50	2665.38	1279.48
15.570	1340.	0.0	0.0	1656.3	13350.0	1664.95	0.0	1665.35	53.51	7.65	3540.11	1825.06
15.570	1340.	0.0	0.0	1656.3	34420.0	1667.39	0.0	1667.81	41.82	8.29	7429.54	5322.29
16.020	1990.	0.0	0.0	1660.2	5350.0	1670.45	0.0	1670.60	18.96	4.44	2597.01	1228.65
16.020	1990.	0.0	0.0	1660.2	8170.0	1671.18	0.0	1671.35	21.22	5.00	3453.14	1773.70
16.020	1990.	0.0	0.0	1660.2	9530.0	1671.46	0.0	1671.64	22.43	5.27	3783.42	2012.41
16.020	1990.	0.0	0.0	1660.2	13100.0	1672.12	0.0	1672.33	24.51	5.82	4580.05	2646.28
16.020	1990.	0.0	0.0	1660.2	33790.0	1674.76	0.0	1675.15	32.61	8.04	7781.71	5917.37
16.080	320.	0.0	0.0	1662.2	5330.0	1671.26	1670.99	1671.92	72.47	8.00	1277.68	626.12
16.080	320.	0.0	0.0	1662.2	8150.0	1672.10	0.0	1672.63	65.22	7.99	2188.00	1009.21
16.080	320.	0.0	0.0	1662.2	9510.0	1672.42	0.0	1672.91	61.99	8.00	2560.28	1207.87
16.080	320.	0.0	0.0	1662.2	13080.0	1673.14	0.0	1673.59	56.24	8.12	3410.76	1744.14
16.080	320.	0.0	0.0	1662.2	33720.0	1675.96	0.0	1676.49	49.51	9.42	6792.08	4792.34
16.200	640.	0.0	0.0	1666.4	5310.0	1675.67	0.0	1676.08	57.98	6.58	1478.42	697.36
16.200	640.	0.0	0.0	1666.4	8110.0	1676.32	0.0	1676.74	63.09	7.15	2199.10	1021.07
16.200	640.	0.0	0.0	1666.4	9460.0	1676.55	0.0	1676.99	65.31	7.42	2474.60	1170.58
16.200	640.	0.0	0.0	1666.4	13010.0	1677.10	0.0	1677.56	68.58	7.97	3122.63	1570.96
16.200	640.	0.0	0.0	1666.4	33560.0	1679.56	0.0	1680.17	66.11	9.51	6076.60	4127.61
16.570	2050.	0.0	0.0	1670.2	5220.0	1682.16	0.0	1682.39	18.81	4.55	1897.24	1203.44
16.570	2050.	0.0	0.0	1670.2	7980.0	1683.19	0.0	1683.44	19.73	5.05	2752.98	1796.53
16.570	2050.	0.0	0.0	1670.2	9310.0	1683.60	0.0	1683.85	20.10	5.25	3105.70	2076.62
16.570	2050.	0.0	0.0	1670.2	12820.0	1684.50	0.0	1684.78	21.18	5.73	3904.40	2785.97
16.570	2050.	0.0	0.0	1670.2	33060.0	1687.88	0.0	1688.34	26.39	7.71	7051.51	6435.80

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01K
17.000	2340.	0.0	0.0	1680.2	5110.0	1688.60	0.0	1689.07	46.78	6.19	1023.15	747.15
17.000	2340.	0.0	0.0	1680.2	7820.0	1689.77	0.0	1690.26	45.75	6.75	1632.55	1156.13
17.000	2340.	0.0	0.0	1680.2	9130.0	1690.21	0.0	1690.68	44.78	6.90	1994.64	1364.34
17.000	2340.	0.0	0.0	1680.2	12590.0	1691.07	0.0	1691.50	40.30	7.00	3059.51	1983.26
17.000	2340.	0.0	0.0	1680.2	32480.0	1694.35	0.0	1694.73	28.28	7.22	7455.18	6108.15
17.100	530.	0.0	0.0	1682.6	5080.0	1691.05	0.0	1691.50	44.75	6.07	1042.60	759.43
17.100	530.	0.0	0.0	1682.6	7790.0	1692.19	0.0	1692.67	45.00	6.70	1640.62	1161.29
17.100	530.	0.0	0.0	1682.6	9090.0	1692.58	0.0	1693.06	44.91	6.90	1979.85	1356.38
17.100	530.	0.0	0.0	1682.6	12530.0	1693.32	0.0	1693.80	45.75	7.36	2857.35	1852.46
17.100	530.	0.0	0.0	1682.6	32340.0	1696.07	0.0	1696.59	41.07	8.38	6512.92	5046.24
17.460	2170.	0.0	0.0	1690.9	5000.0	1699.74	0.0	1700.14	35.55	5.79	1380.97	838.56
17.460	2170.	0.0	0.0	1690.9	7660.0	1700.75	0.0	1701.11	33.78	6.10	2411.63	1317.99
17.460	2170.	0.0	0.0	1690.9	8950.0	1701.09	0.0	1701.44	33.40	6.24	2837.17	1548.73
17.460	2170.	0.0	0.0	1690.9	12340.0	1701.83	0.0	1702.17	32.79	6.54	3854.96	2155.06
17.460	2170.	0.0	0.0	1690.9	31850.0	1704.35	0.0	1704.73	34.21	7.86	8161.14	5445.80
17.720	1180.	0.0	0.0	1694.4	4940.0	1704.92	0.0	1705.82	62.22	7.66	662.66	626.25
17.720	1180.	0.0	0.0	1694.4	7570.0	1706.18	0.0	1707.48	82.16	9.41	965.11	835.17
17.720	1180.	0.0	0.0	1694.4	8840.0	1706.61	0.0	1708.03	89.48	10.02	1113.82	934.51
17.720	1180.	0.0	0.0	1694.4	12200.0	1707.46	1707.40	1709.12	102.17	11.33	1541.87	1206.97
17.720	1180.	0.0	0.0	1694.4	31500.0	1710.44	1710.44	1712.26	106.15	13.99	3956.94	3057.35
17.720	100.	0.0	0.0	1694.4	4940.0	1705.86	0.0	1706.17	16.80	5.05	1272.15	1205.37
17.720	100.	0.0	0.0	1694.4	7570.0	1707.51	0.0	1707.92	19.67	6.06	1784.26	1706.99
17.720	100.	0.0	0.0	1694.4	8840.0	1708.05	0.0	1708.51	21.10	6.49	2039.58	1921.06
17.720	100.	0.0	0.0	1694.4	12200.0	1709.11	0.0	1709.68	25.39	7.51	2656.31	2421.00
17.720	100.	0.0	0.0	1694.4	31500.0	1711.64	0.0	1713.07	58.68	12.85	4330.74	4112.24
17.720	1.	1705.0	1708.8	1694.4	4940.0	1705.76	0.0	1706.28	35.74	6.18	966.28	826.27
17.720	1.	1705.0	1708.8	1694.4	7570.0	1707.38	0.0	1708.05	93.12	7.24	1257.51	784.45
17.720	1.	1705.0	1708.8	1694.4	8840.0	1707.90	0.0	1708.68	112.81	7.97	1385.41	832.29
17.720	1.	1705.0	1708.8	1694.4	12200.0	1708.85	0.0	1709.95	176.27	9.96	1716.56	918.91
17.720	1.	1705.0	1708.8	1694.4	31500.0	1711.09	1711.09	1713.82	485.51	16.54	2565.56	1429.59
17.720	18.	1705.0	1708.8	1694.4	4940.0	1705.84	0.0	1706.34	34.80	6.13	976.91	837.38
17.720	18.	1705.0	1708.8	1694.4	7570.0	1707.59	0.0	1708.22	89.14	7.09	1305.16	801.80
17.720	18.	1705.0	1708.8	1694.4	8840.0	1708.18	0.0	1708.88	104.24	7.66	1474.23	865.83
17.720	18.	1705.0	1708.8	1694.4	12200.0	1709.41	0.0	1710.26	143.80	9.00	1922.19	1017.38
17.720	18.	1705.0	1708.8	1694.4	31500.0	1713.55	0.0	1714.43	140.03	8.88	4590.42	2661.96
17.720	1.	0.0	0.0	1694.4	4940.0	1706.08	0.0	1706.37	15.05	4.85	1324.33	1273.56
17.720	1.	0.0	0.0	1694.4	7570.0	1707.90	0.0	1708.25	16.31	5.64	1958.40	1874.23
17.720	1.	0.0	0.0	1694.4	8840.0	1708.55	0.0	1708.91	16.68	5.91	2314.21	2164.37
17.720	1.	0.0	0.0	1694.4	12200.0	1709.91	0.0	1710.31	17.21	6.44	3176.47	2940.46
17.720	1.	0.0	0.0	1694.4	31500.0	1713.91	0.0	1714.47	22.38	8.69	6785.46	6659.02
17.720	50.	0.0	0.0	1694.4	4940.0	1706.09	0.0	1706.67	36.80	6.27	932.01	814.36
17.720	50.	0.0	0.0	1694.4	7570.0	1708.02	0.0	1708.47	27.07	6.08	1896.23	1455.03
17.720	50.	0.0	0.0	1694.4	8840.0	1708.72	0.0	1709.11	23.41	5.92	2415.83	1827.06
17.720	50.	0.0	0.0	1694.4	12200.0	1710.23	0.0	1710.53	17.57	5.62	3746.70	2910.94
17.720	50.	0.0	0.0	1694.4	31500.0	1714.51	0.0	1714.77	13.43	6.05	9403.29	8596.52

*

*

SECNO	XLCH	ELTRD	ELL C	ELMIN	Q	CMSEL	CRIMS	EG	10K*S	VCH	AREA	.01K
17.850	570.	0.0	0.0	1696.0	4900.0	1707.63	0.0	1707.96	14.74	4.72	1264.18	1276.09
17.850	570.	0.0	0.0	1696.0	7510.0	1709.25	0.0	1709.69	17.55	5.67	1969.92	1792.46
17.850	570.	0.0	0.0	1696.0	8770.0	1709.84	0.0	1710.32	18.76	6.05	2174.74	2024.91
17.850	570.	0.0	0.0	1696.0	12110.0	1711.13	0.0	1711.72	21.61	6.94	2773.04	2605.32
17.850	570.	0.0	0.0	1696.0	31300.0	1715.22	0.0	1716.03	29.41	9.61	7208.88	5771.59
17.930	430.	0.0	0.0	1698.7	4880.0	1708.40	0.0	1708.96	31.39	6.01	819.98	871.08
17.930	430.	0.0	0.0	1698.7	7480.0	1710.12	0.0	1710.94	37.33	7.41	1184.41	1224.18
17.930	430.	0.0	0.0	1698.7	8730.0	1710.75	0.0	1711.65	38.90	7.87	1426.15	1399.77
17.930	430.	0.0	0.0	1698.7	12060.0	1712.16	0.0	1713.17	40.58	8.73	2006.85	1893.09
17.930	430.	0.0	0.0	1698.7	31180.0	1716.55	0.0	1717.88	47.99	11.65	5111.50	4501.02
18.130	940.	0.0	0.0	1705.2	4820.0	1712.73	0.0	1713.67	83.03	7.91	701.03	528.95
18.130	940.	0.0	0.0	1705.2	7390.0	1714.50	0.0	1715.30	59.37	7.89	1412.85	959.11
18.130	940.	0.0	0.0	1705.2	8630.0	1715.15	0.0	1715.90	52.84	7.86	1734.60	1187.18
18.130	940.	0.0	0.0	1705.2	11920.0	1716.53	0.0	1717.23	45.37	8.05	2431.17	1769.70
18.130	940.	0.0	0.0	1705.2	30880.0	1721.09	0.0	1721.70	33.49	8.90	7294.05	5336.21
18.430	1720.	0.0	0.0	1712.2	4730.0	1722.27	0.0	1722.84	36.67	6.14	802.81	781.08
18.430	1720.	0.0	0.0	1712.2	7260.0	1723.65	0.0	1724.57	48.46	7.81	995.52	1042.91
18.430	1720.	0.0	0.0	1712.2	8480.0	1724.16	0.0	1725.26	54.01	8.56	1071.94	1153.91
18.430	1720.	0.0	0.0	1712.2	11720.0	1725.40	0.0	1726.95	65.68	10.25	1267.35	1446.13
18.430	1720.	0.0	0.0	1712.2	30420.0	1730.67	1730.67	1733.24	77.28	14.53	3375.74	3460.33
18.430	50.	0.0	0.0	1712.2	4730.0	1722.46	0.0	1723.03	34.69	6.05	781.56	803.03
18.430	50.	0.0	0.0	1712.2	7260.0	1723.99	0.0	1724.84	42.24	7.48	1046.75	1117.11
18.430	50.	0.0	0.0	1712.2	8480.0	1724.57	0.0	1725.56	46.25	8.15	1135.01	1246.97
18.430	50.	0.0	0.0	1712.2	11720.0	1725.98	0.0	1727.34	54.03	9.63	1363.85	1594.45
18.430	50.	0.0	0.0	1712.2	30420.0	1732.69	0.0	1733.84	34.93	10.57	5308.81	5147.09
18.430	32.	1728.8	1725.8	1712.2	4730.0	1723.32	0.0	1723.78	24.77	5.45	869.16	950.39
18.430	32.	1728.8	1725.8	1712.2	7260.0	1729.00	0.0	1729.26	7.97	4.33	2150.97	2572.11
18.430	32.	1728.8	1725.8	1712.2	8480.0	1729.81	0.0	1730.08	8.24	4.57	2659.50	2954.29
18.430	32.	1728.8	1725.8	1712.2	11720.0	1730.70	0.0	1731.08	11.31	5.56	3410.51	3485.22
18.430	32.	1728.8	1725.8	1712.2	30420.0	1733.43	0.0	1734.31	26.49	9.46	6027.64	5910.84
18.430	20.	0.0	0.0	1712.2	4730.0	1723.43	0.0	1723.84	26.54	5.21	963.60	918.11
18.430	20.	0.0	0.0	1712.2	7260.0	1729.04	0.0	1729.27	8.88	4.20	2178.18	2435.62
18.430	20.	0.0	0.0	1712.2	8480.0	1729.86	0.0	1730.10	9.01	4.39	2693.72	2825.29
18.430	20.	0.0	0.0	1712.2	11720.0	1730.78	0.0	1731.11	12.00	5.27	3476.61	3383.67
18.430	20.	0.0	0.0	1712.2	30420.0	1733.73	0.0	1734.38	24.00	8.35	6319.47	6208.86
18.550	650.	0.0	0.0	1715.3	4690.0	1725.50	0.0	1726.21	45.77	7.21	800.47	693.27
18.550	650.	0.0	0.0	1715.3	7200.0	1729.76	0.0	1730.22	20.22	6.22	1615.84	1601.34
18.550	650.	0.0	0.0	1715.3	8410.0	1730.58	0.0	1731.05	19.92	6.43	2014.96	1884.25
18.550	650.	0.0	0.0	1715.3	11640.0	1731.72	0.0	1732.28	23.50	7.36	2764.34	2401.01
18.550	650.	0.0	0.0	1715.3	30240.0	1735.46	0.0	1736.12	29.86	9.63	6778.27	5534.43
18.650	530.	0.0	0.0	1718.4	4650.0	1728.11	0.0	1728.96	56.14	7.75	729.26	620.59
18.650	530.	0.0	0.0	1718.4	7160.0	1731.04	0.0	1731.81	38.33	7.74	1180.76	1156.48
18.650	530.	0.0	0.0	1718.4	8360.0	1731.83	0.0	1732.68	39.30	8.20	1311.18	1333.62
18.650	530.	0.0	0.0	1718.4	11570.0	1733.16	0.0	1734.24	46.36	9.56	1756.50	1699.27
18.650	530.	0.0	0.0	1718.4	30080.0	1737.25	0.0	1738.44	52.59	12.18	5103.14	4147.91

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIMS	EG	10K*S	VCH	AREA	.DJK
18.930	1670.	0.0	0.0	1726.7	4580.0	1735.18	0.0	1735.47	28.18	4.76	1470.85	862.82
18.930	1670.	0.0	0.0	1726.7	7030.0	1736.46	0.0	1736.69	22.47	4.74	2779.66	1483.00
18.930	1670.	0.0	0.0	1726.7	8220.0	1737.02	0.0	1737.22	19.31	4.59	3487.95	1870.84
18.930	1670.	0.0	0.0	1726.7	11380.0	1738.24	0.0	1738.40	14.88	4.39	5172.25	2950.24
18.930	1670.	0.0	0.0	1726.7	29660.0	1742.12	0.0	1742.28	12.21	4.93	11254.78	8487.96
19.030	530.	0.0	0.0	1729.7	4550.0	1737.11	0.0	1737.67	57.64	6.19	859.77	599.30
19.030	530.	0.0	0.0	1729.7	6990.0	1738.13	0.0	1738.85	67.71	7.35	1438.28	849.49
19.030	530.	0.0	0.0	1729.7	8170.0	1738.49	0.0	1739.22	68.46	7.64	1764.51	987.44
19.030	530.	0.0	0.0	1729.7	11310.0	1739.41	0.0	1740.04	60.05	7.73	2735.83	1459.51
19.030	530.	0.0	0.0	1729.7	29510.0	1743.02	0.0	1743.39	33.34	7.31	7872.17	5110.47
19.280	1630.	0.0	0.0	1736.6	4480.0	1744.71	0.0	1745.10	36.35	5.09	960.69	743.05
19.280	1630.	0.0	0.0	1736.6	6880.0	1746.20	0.0	1746.64	34.71	5.63	1661.22	1167.75
19.280	1630.	0.0	0.0	1736.6	8040.0	1746.67	0.0	1747.14	35.50	5.93	1912.65	1349.34
19.280	1630.	0.0	0.0	1736.6	11150.0	1747.56	0.0	1748.15	41.77	6.88	2390.08	1725.29
19.280	1630.	0.0	0.0	1736.6	29140.0	1750.40	0.0	1751.66	69.28	10.81	4570.25	3500.90
19.280	100.	0.0	0.0	1736.6	4480.0	1745.06	0.0	1745.45	33.02	4.98	900.46	779.66
19.280	100.	0.0	0.0	1736.6	6880.0	1746.54	0.0	1747.11	38.32	6.09	1129.71	1111.39
19.280	100.	0.0	0.0	1736.6	8040.0	1747.02	0.0	1747.71	42.54	6.67	1206.09	1232.74
19.280	100.	0.0	0.0	1736.6	11150.0	1747.95	0.0	1749.00	56.45	8.23	1355.12	1483.99
19.280	100.	0.0	0.0	1736.6	29140.0	1751.51	0.0	1752.32	41.99	8.98	5698.80	4497.18
19.280	1.	1749.8	1748.4	1736.6	4480.0	1745.02	0.0	1745.64	77.15	6.34	726.92	510.05
19.280	1.	1749.8	1748.4	1736.6	6880.0	1746.48	0.0	1747.36	95.00	7.60	926.66	705.87
19.280	1.	1749.8	1748.4	1736.6	8040.0	1746.95	0.0	1748.00	105.18	8.28	993.30	783.96
19.280	1.	1749.8	1748.4	1736.6	11150.0	1747.85	0.0	1749.46	200.52	10.24	1109.94	787.39
19.280	1.	1749.8	1748.4	1736.6	29140.0	1752.38	1752.38	1753.46	346.80	8.91	3541.01	1564.76
19.280	38.	1749.8	1748.4	1736.6	4480.0	1745.39	0.0	1745.93	66.22	5.94	774.57	550.52
19.280	38.	1749.8	1748.4	1736.6	6880.0	1746.95	0.0	1747.72	76.87	7.08	993.94	784.72
19.280	38.	1749.8	1748.4	1736.6	8040.0	1747.50	0.0	1748.40	84.15	7.67	1070.98	876.46
19.280	38.	1749.8	1748.4	1736.6	11150.0	1748.85	0.0	1750.38	284.06	9.99	1134.13	661.56
19.280	38.	1749.8	1748.4	1736.6	29140.0	1753.86	0.0	1754.17	63.20	4.27	6578.35	3665.60
19.280	1.	0.0	0.0	1736.6	4480.0	1745.69	0.0	1746.00	24.17	4.49	997.08	911.26
19.280	1.	0.0	0.0	1736.6	6880.0	1747.36	0.0	1747.82	27.08	5.46	1260.74	1322.19
19.280	1.	0.0	0.0	1736.6	8040.0	1747.97	0.0	1748.52	29.00	5.91	1359.99	1492.90
19.280	1.	0.0	0.0	1736.6	11150.0	1750.63	0.0	1750.79	8.70	3.88	4641.89	3780.65
19.280	1.	0.0	0.0	1736.6	29140.0	1753.94	0.0	1754.19	12.52	5.55	10240.61	8234.23
19.280	40.	0.0	0.0	1736.6	4480.0	1745.90	0.0	1746.11	17.42	3.89	1446.98	1073.34
19.280	40.	0.0	0.0	1736.6	6880.0	1747.77	0.0	1747.97	14.09	4.05	2371.03	1833.07
19.280	40.	0.0	0.0	1736.6	8040.0	1748.49	0.0	1748.69	13.17	4.14	2802.90	2215.15
19.280	40.	0.0	0.0	1736.6	11150.0	1750.67	0.0	1750.83	8.53	3.86	4682.42	3817.38
19.280	40.	0.0	0.0	1736.6	29140.0	1753.99	0.0	1754.24	12.20	5.49	10360.37	8343.67
19.550	1060.	0.0	0.0	1746.5	4390.0	1752.44	1752.44	1754.99	318.29	12.88	352.88	246.07
19.550	1060.	0.0	0.0	1746.5	6760.0	1755.42	1755.42	1757.04	131.95	11.04	934.29	588.50
19.550	1060.	0.0	0.0	1746.5	7900.0	1756.10	1756.10	1757.51	113.93	10.80	1310.51	740.14
19.550	1060.	0.0	0.0	1746.5	10960.0	1756.95	1756.95	1758.41	120.47	11.78	1889.97	998.54
19.550	1060.	0.0	0.0	1746.5	28720.0	1759.39	1759.39	1761.51	177.72	16.54	3757.62	2154.37

*
*
*
*
*

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01K
19.870	1590.	0.0	0.0	1758.3	4300.0	1766.41	0.0	1766.81	29.60	5.21	918.71	790.36
19.870	1590.	0.0	0.0	1758.3	6620.0	1767.60	0.0	1768.28	41.85	6.81	1162.16	1023.26
19.870	1590.	0.0	0.0	1758.3	7740.0	1768.05	0.0	1768.87	47.33	7.49	1292.95	1125.06
19.870	1590.	0.0	0.0	1758.3	10740.0	1769.35	0.0	1770.26	49.07	8.30	2047.44	1533.15
19.870	1590.	0.0	0.0	1758.3	28230.0	1773.68	0.0	1774.63	45.17	9.99	5166.42	4200.44
19.870	100.	0.0	0.0	1758.3	4300.0	1766.69	0.0	1767.10	26.72	5.10	843.82	831.88
19.870	100.	0.0	0.0	1758.3	6620.0	1767.99	0.0	1768.67	36.18	6.63	1000.37	1100.53
19.870	100.	0.0	0.0	1758.3	7740.0	1768.49	0.0	1769.32	40.60	7.30	1093.86	1214.78
19.870	100.	0.0	0.0	1758.3	10740.0	1769.79	0.0	1770.89	46.66	8.57	1535.29	1572.33
19.870	100.	0.0	0.0	1758.3	28230.0	1774.09	0.0	1775.17	41.91	10.28	5243.23	4360.41
19.870	1.	1769.9	1769.6	1758.3	4300.0	1766.69	0.0	1767.13	42.22	5.33	807.28	661.78
19.870	1.	1769.9	1769.6	1758.3	6620.0	1767.98	0.0	1768.72	60.75	6.92	957.05	849.32
19.870	1.	1769.9	1769.6	1758.3	7740.0	1768.48	0.0	1769.38	69.65	7.61	1047.86	927.44
19.870	1.	1769.9	1769.6	1758.3	10740.0	1769.79	0.0	1770.93	169.22	8.83	1455.30	825.62
19.870	1.	1769.9	1769.6	1758.3	28230.0	1774.97	0.0	1775.38	83.37	5.67	5658.44	3091.68
19.870	20.	1769.9	1769.6	1758.3	4300.0	1766.79	0.0	1767.22	40.65	5.26	817.70	674.43
19.870	20.	1769.9	1769.6	1758.3	6620.0	1768.13	0.0	1768.85	57.71	6.80	974.10	871.41
19.870	20.	1769.9	1769.6	1758.3	7740.0	1768.67	0.0	1769.52	65.12	7.43	1094.84	959.11
19.870	20.	1769.9	1769.6	1758.3	10740.0	1770.40	0.0	1771.31	144.10	8.16	1742.14	894.70
19.870	20.	1769.9	1769.6	1758.3	28230.0	1775.16	0.0	1775.54	74.94	5.43	5854.70	3261.02
19.870	1.	0.0	0.0	1758.3	4300.0	1766.83	0.0	1767.22	25.02	5.00	960.64	859.71
19.870	1.	0.0	0.0	1758.3	6620.0	1768.21	0.0	1768.86	33.13	6.46	1028.61	1150.21
19.870	1.	0.0	0.0	1758.3	7740.0	1768.78	0.0	1769.54	36.10	7.03	1168.53	1288.23
19.870	1.	0.0	0.0	1758.3	10740.0	1770.56	0.0	1771.33	31.53	7.40	2018.87	1912.77
19.870	1.	0.0	0.0	1758.3	28230.0	1775.07	0.0	1775.64	22.68	7.90	6222.30	5927.39
19.870	40.	0.0	0.0	1758.3	4300.0	1767.01	0.0	1767.31	17.52	4.60	1087.01	1027.44
19.870	40.	0.0	0.0	1758.3	6620.0	1768.65	0.0	1768.99	17.33	5.15	1949.13	1590.29
19.870	40.	0.0	0.0	1758.3	7740.0	1769.39	0.0	1769.67	14.84	5.00	2582.78	2009.42
19.870	40.	0.0	0.0	1758.3	10740.0	1771.27	0.0	1771.45	9.48	4.44	4265.19	3488.47
19.870	40.	0.0	0.0	1758.3	28230.0	1775.48	0.0	1775.74	10.62	5.70	8295.82	8661.91
19.950	370.	0.0	0.0	1760.0	4270.0	1767.75	0.0	1768.17	27.58	5.32	882.35	813.10
19.950	370.	0.0	0.0	1760.0	6580.0	1769.37	0.0	1769.92	29.82	6.31	1304.66	1204.86
19.950	370.	0.0	0.0	1760.0	7700.0	1770.00	0.0	1770.55	29.00	6.50	1654.68	1429.92
19.950	370.	0.0	0.0	1760.0	10690.0	1771.66	0.0	1772.04	19.94	5.99	3080.34	2394.24
19.950	370.	0.0	0.0	1760.0	28110.0	1775.91	0.0	1776.28	16.83	6.81	7036.70	6851.91
20.040	520.	0.0	0.0	1762.1	3640.0	1769.84	1769.80	1771.58	174.64	10.76	376.38	275.44
20.040	520.	0.0	0.0	1762.1	5630.0	1771.50	0.0	1773.18	131.53	11.15	615.60	490.91
20.040	520.	0.0	0.0	1762.1	6600.0	1772.02	0.0	1773.81	130.62	11.66	699.21	577.49
20.040	520.	0.0	0.0	1762.1	9230.0	1772.81	1772.81	1775.26	162.45	13.89	831.29	724.18
20.040	520.	0.0	0.0	1762.1	25360.0	1777.57	1777.57	1781.46	158.16	18.50	1775.13	2016.53
20.040	80.	0.0	0.0	1762.1	3640.0	1771.69	0.0	1772.21	33.26	6.01	665.76	631.20
20.040	80.	0.0	0.0	1762.1	5630.0	1773.00	0.0	1773.83	43.97	7.66	829.29	849.04
20.040	80.	0.0	0.0	1762.1	6600.0	1773.50	0.0	1774.49	49.01	8.38	894.43	942.80
20.040	80.	0.0	0.0	1762.1	9230.0	1774.71	0.0	1776.11	60.61	10.08	1053.04	1185.57
20.040	80.	0.0	0.0	1762.1	25360.0	1778.33	0.0	1783.14	147.90	19.11	1569.40	2085.27

* *

A07

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01K
20.040	1.	1782.8	1784.2	1762.1	3640.0	1771.69	0.0	1772.22	54.07	6.03	645.30	495.03
20.040	1.	1782.8	1784.2	1762.1	5630.0	1773.01	0.0	1773.84	74.18	7.58	805.77	653.68
20.040	1.	1782.8	1784.2	1762.1	6600.0	1773.54	0.0	1774.50	82.96	8.22	872.77	724.62
20.040	1.	1782.8	1784.2	1762.1	9230.0	1774.80	0.0	1776.12	103.33	9.66	1036.83	907.99
20.040	1.	1782.8	1784.2	1762.1	25360.0	1782.79	0.0	1783.56	71.38	7.49	4534.31	3001.66
20.060	120.	1782.8	1784.9	1762.8	3640.0	1772.34	0.0	1772.88	55.48	6.09	638.64	488.70
20.060	120.	1782.8	1784.9	1762.8	5630.0	1773.92	0.0	1774.69	68.06	7.34	833.23	682.45
20.060	120.	1782.8	1784.9	1762.8	6600.0	1774.57	0.0	1775.44	73.26	7.83	915.50	771.12
20.060	120.	1782.8	1784.9	1762.8	9230.0	1776.13	0.0	1777.26	83.98	8.91	1121.32	1007.20
20.060	120.	1782.8	1784.9	1762.8	25360.0	1783.81	0.0	1784.41	67.12	7.18	4804.11	3095.40
20.060	1.	0.0	0.0	1762.8	3640.0	1772.34	0.0	1772.89	34.89	6.13	659.82	616.27
20.060	1.	0.0	0.0	1762.8	5630.0	1773.91	0.0	1774.72	41.71	7.57	856.19	871.77
20.060	1.	0.0	0.0	1762.8	6600.0	1774.54	0.0	1775.48	44.54	8.18	938.78	988.97
20.060	1.	0.0	0.0	1762.8	9230.0	1776.08	0.0	1777.33	50.32	9.57	1143.76	1371.10
20.060	1.	0.0	0.0	1762.8	25360.0	1783.60	0.0	1784.63	30.43	10.41	5037.65	4577.08
20.060	30.	0.0	0.0	1765.1	3640.0	1772.46	0.0	1773.02	47.77	6.66	706.75	526.64
20.060	30.	0.0	0.0	1765.1	5630.0	1774.23	0.0	1774.86	42.55	7.31	1020.02	863.08
20.060	30.	0.0	0.0	1765.1	6600.0	1774.97	0.0	1775.63	41.10	7.58	1161.28	1029.51
20.060	30.	0.0	0.0	1765.1	9230.0	1776.76	0.0	1777.51	37.84	8.18	1531.62	1500.42
20.060	30.	0.0	0.0	1765.1	25360.0	1784.30	0.0	1784.75	16.95	7.71	6914.66	6159.02
20.340	1260.	0.0	0.0	1770.3	3480.0	1776.62	0.0	1776.95	28.40	4.02	767.71	652.96
20.340	1260.	0.0	0.0	1770.3	5400.0	1777.92	0.0	1778.31	24.98	4.35	1319.89	1080.50
20.340	1260.	0.0	0.0	1770.3	6340.0	1778.47	0.0	1778.85	22.63	4.38	1642.54	1332.89
20.340	1260.	0.0	0.0	1770.3	8870.0	1779.85	0.0	1780.19	17.28	4.34	2521.73	2133.62
20.340	1260.	0.0	0.0	1770.3	24390.0	1785.77	0.0	1786.05	8.38	4.36	7618.58	8426.37
20.400	330.	0.0	0.0	1771.9	3450.0	1777.71	0.0	1778.14	42.62	4.64	663.67	528.47
20.400	330.	0.0	0.0	1771.9	5350.0	1778.87	0.0	1779.43	40.86	5.16	971.50	836.95
20.400	330.	0.0	0.0	1771.9	6280.0	1779.33	0.0	1779.92	39.34	5.34	1210.11	1001.30
20.400	330.	0.0	0.0	1771.9	8800.0	1780.49	0.0	1781.06	32.08	5.43	1901.97	1553.76
20.400	330.	0.0	0.0	1771.9	24180.0	1786.05	0.0	1786.46	13.49	5.18	6264.89	6582.80
* 20.540	640.	0.0	0.0	1775.8	3370.0	1782.30	1782.30	1783.29	152.91	8.83	500.14	272.53
20.540	640.	0.0	0.0	1775.8	5230.0	1783.16	0.0	1784.34	162.33	10.04	696.64	410.49
20.540	640.	0.0	0.0	1775.8	6150.0	1783.51	1783.38	1784.78	166.26	10.53	785.21	476.96
* 20.540	640.	0.0	0.0	1775.8	8620.0	1784.28	1784.28	1785.74	177.12	11.66	1031.05	647.69
20.540	640.	0.0	0.0	1775.8	23700.0	1787.07	0.0	1787.73	24.95	5.46	4486.82	4744.55

VALLEY RIVER

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
15.140	5560.	1658.0	0.0	0.0	0.0	846.03	0.0
15.140	8480.	1659.0	1.0	0.0	0.0	1270.82	0.0
15.140	9890.	1659.3	0.3	0.0	0.3	1278.04	0.0
15.140	13580.	1660.0	0.7	0.0	0.0	1275.73	0.0
15.140	35000.	1662.9	2.9	0.0	0.9	1349.28	0.0
15.570	5460.	1663.4	0.0	5.4	0.0	1222.32	1340.00
15.570	8330.	1664.1	0.7	5.1	0.0	1469.91	1340.00
15.570	9720.	1664.4	0.3	5.1	0.0	1516.75	1340.00
15.570	13350.	1665.0	0.6	4.9	0.0	1554.28	1340.00
15.570	34420.	1667.4	2.4	4.4	0.0	1610.79	1340.00
16.020	5350.	1670.5	0.0	7.0	0.0	1176.46	1990.00
16.020	8170.	1671.2	0.7	7.1	0.0	1188.14	1990.00
16.020	9530.	1671.5	0.3	7.1	0.0	1191.27	1990.00
16.020	13100.	1672.1	0.7	7.2	0.0	1198.79	1990.00
16.020	33790.	1674.8	2.6	7.4	0.0	1228.54	1990.00
16.080	5330.	1671.3	0.0	0.8	0.0	936.17	320.00
16.080	8150.	1672.1	0.8	0.9	0.0	1167.52	320.00
16.080	9510.	1672.4	0.3	1.0	0.0	1175.66	320.00
16.080	13080.	1673.1	0.7	1.0	0.0	1187.73	320.00
16.080	33720.	1676.0	2.8	1.2	0.0	1219.42	320.00
16.200	5310.	1675.7	0.0	4.4	0.0	1010.72	640.00
16.200	8110.	1676.3	0.7	4.2	0.0	1167.76	640.00
16.200	9460.	1676.6	0.2	4.1	0.0	1173.79	640.00
16.200	13010.	1677.1	0.5	4.0	0.0	1184.99	640.00
16.200	33560.	1679.6	2.5	3.6	0.0	1212.79	640.00
16.570	5220.	1682.2	0.0	6.5	0.0	713.73	2050.00
16.570	7980.	1683.2	1.0	6.9	0.0	863.90	2050.00
16.570	9310.	1683.6	0.4	7.0	0.0	875.11	2050.00
16.570	12820.	1684.5	0.9	7.4	0.0	897.53	2050.00
16.570	33060.	1687.9	3.4	8.3	0.0	971.99	2050.00
17.000	5110.	1688.6	0.0	6.4	0.0	439.69	2340.00
17.000	7820.	1689.8	1.2	6.6	0.0	683.32	2340.00
17.000	9130.	1690.2	0.4	6.6	0.0	1011.61	2340.00
17.000	12590.	1691.1	0.9	6.6	0.0	1278.04	2340.00
17.000	32480.	1694.3	3.3	6.5	0.0	1396.48	2340.00
17.100	5080.	1691.0	0.0	2.4	0.0	444.54	530.00
17.100	7790.	1692.2	1.1	2.4	0.0	692.33	530.00
17.100	9090.	1692.6	0.4	2.4	0.0	1000.27	530.00
17.100	12530.	1693.3	0.7	2.2	0.0	1266.74	530.00
17.100	32340.	1696.1	2.8	1.7	0.0	1375.35	530.00
17.460	5000.	1699.7	0.0	8.7	0.0	673.98	2170.00
17.460	7660.	1700.7	1.0	8.6	0.0	1203.70	2170.00
17.460	8950.	1701.1	0.3	8.5	0.0	1278.42	2170.00
17.460	12340.	1701.8	0.7	8.5	0.0	1459.56	2170.00

C07

17.460 - 31850. 1704.4 2.5 8.3 0.0 1782.45 2170.00

SECNO	Q	CNSEL	DIFMSP	DIFMSX	DIFKWS	TOPMID	XLCH
17.720	4940.	1704.9	0.0	5.2	0.0	115.08	1180.00
17.720	7570.	1706.2	1.3	5.4	0.0	341.71	1180.00
17.720	8840.	1706.6	0.4	5.5	0.0	579.87	1180.00
17.720	12200.	1707.5	0.8	5.6	0.0	1000.88	1180.00
* 17.720	31500.	1710.4	3.0	6.1	0.0		
17.720	4940.	1705.9	0.0	0.9	0.0	233.97	100.00
17.720	7570.	1707.5	1.6	1.3	0.0	423.12	100.00
17.720	8840.	1708.1	0.5	1.4	0.0	521.57	100.00
17.720	12200.	1709.1	1.1	1.7	0.0	631.32	100.00
17.720	31500.	1711.6	2.5	1.2	0.0	733.21	100.00
17.720	4940.	1705.8	0.0	-0.1	0.0	142.63	1.00
17.720	7570.	1707.4	1.6	-0.1	0.0	303.38	1.00
17.720	8840.	1707.9	0.5	-0.2	0.0	367.70	1.00
17.720	12200.	1708.9	1.0	-0.3	0.0	486.67	1.00
* 17.720	31500.	1711.1	2.2	-0.5	0.0	511.25	1.00
17.720	4940.	1705.8	0.0	0.1	0.0	144.34	18.00
17.720	7570.	1707.6	1.8	0.2	0.0	323.95	18.00
17.720	8840.	1708.2	0.6	0.3	0.0	425.83	18.00
17.720	12200.	1709.4	1.2	0.6	0.0	501.74	18.00
17.720	31500.	1713.5	4.1	2.5	0.0	1285.21	18.00
17.720	4940.	1706.1	0.0	0.2	0.0	242.76	1.00
17.720	7570.	1707.9	1.8	0.3	0.0	481.60	1.00
17.720	8840.	1708.5	0.6	0.4	0.0	591.85	1.00
17.720	12200.	1709.9	1.4	0.5	0.0	649.73	1.00
17.720	31500.	1713.9	4.0	0.4	0.0	1391.89	1.00
17.720	4940.	1706.1	0.0	0.0	0.0	336.18	50.00
17.720	7570.	1708.0	1.9	0.1	0.0	682.54	50.00
17.720	8840.	1708.7	0.7	0.2	0.0	786.93	50.00
17.720	12200.	1710.2	1.5	0.3	0.0	994.85	50.00
17.720	31500.	1714.5	4.3	0.6	0.0	1649.07	50.00
17.850	4900.	1707.6	0.0	1.5	0.0	384.60	570.00
17.850	7510.	1709.2	1.6	1.2	0.0	440.27	570.00
17.850	8770.	1709.3	0.6	1.1	0.0	448.30	570.00
17.850	12110.	1711.1	1.3	0.9	0.0	473.66	570.00
17.850	31300.	1715.2	4.1	0.7	0.0	1712.47	570.00
17.930	4880.	1708.4	0.0	0.8	0.0	110.64	430.00
17.930	7480.	1710.1	1.7	0.9	0.0	365.43	430.00
17.930	8730.	1710.8	0.6	0.9	0.0	390.40	430.00
17.930	12060.	1712.2	1.4	1.0	0.0	443.23	430.00
17.930	31180.	1716.5	4.4	1.3	0.0	1209.12	430.00
18.130	4820.	1712.7	0.0	4.3	0.0	273.02	940.00
18.130	7390.	1714.5	1.8	4.4	0.0	486.67	940.00
18.130	8630.	1715.2	0.7	4.4	0.0	494.04	940.00
18.130	11920.	1716.5	1.4	4.4	0.0	513.69	940.00
18.130	30880.	1721.1	4.6	4.5	0.0	1558.72	940.00

SECNO	Q	CWSEL	DIFMSP	DIFMSX	DIFKWS	TOPPID	XLCH
18.430	4730.	1722.3	0.0	9.5	0.0	133.47	1720.00
18.430	7260.	1723.7	1.4	9.2	0.0	146.09	1720.00
18.430	8480.	1724.2	0.5	9.0	0.0	151.28	1720.00
18.430	11720.	1725.4	1.2	8.9	0.0	163.79	1720.00
* 18.430	30420.	1730.7	5.3	9.6	0.0	953.31	1720.00
18.430	4730.	1722.5	0.0	0.2	0.0	100.04	50.00
18.430	7260.	1724.0	1.5	0.3	0.0	149.59	50.00
18.430	8480.	1724.6	0.6	0.4	0.0	155.43	50.00
18.430	11720.	1726.0	1.4	0.6	0.0	169.63	50.00
18.430	30420.	1732.7	6.7	2.0	0.0	961.02	50.00
* 18.430	4730.	1723.3	0.0	0.9	0.0	101.00	32.00
* 18.430	7260.	1729.0	5.7	5.0	0.0	618.83	32.00
* 18.430	8480.	1729.8	0.8	5.2	0.0	633.54	32.00
* 18.430	11720.	1730.7	0.9	4.7	0.0	953.44	32.00
18.430	30420.	1733.4	2.7	0.7	0.0	963.88	32.00
18.430	4730.	1723.4	0.0	0.1	0.0	143.87	20.00
18.430	7260.	1729.0	5.6	0.0	0.0	619.62	20.00
18.430	8480.	1729.9	0.8	0.0	0.0	634.52	20.00
18.430	11720.	1730.8	0.9	0.1	0.0	953.71	20.00
18.430	30420.	1733.7	3.0	0.3	0.0	965.03	20.00
18.550	4690.	1725.5	0.0	2.1	0.0	148.29	650.00
18.550	7200.	1729.8	4.3	0.7	0.0	438.62	650.00
18.550	8410.	1730.6	0.8	0.7	0.0	556.31	650.00
18.550	11640.	1731.7	1.1	0.9	0.0	748.39	650.00
18.550	30240.	1735.5	3.7	1.7	0.0	1302.01	650.00
18.650	4650.	1728.1	0.0	2.6	0.0	144.33	530.00
18.650	7160.	1731.0	2.9	1.3	0.0	161.81	530.00
18.650	8360.	1731.8	0.8	1.2	0.0	180.45	530.00
18.650	11570.	1733.2	1.3	1.4	0.0	470.93	530.00
18.650	30080.	1737.2	4.1	1.8	0.0	1244.27	530.00
18.930	4580.	1735.2	0.0	7.1	0.0	854.08	1670.00
18.930	7030.	1736.5	1.3	5.4	0.0	1146.13	1670.00
18.930	8220.	1737.0	0.6	5.2	0.0	1306.10	1670.00
18.930	11380.	1738.2	1.2	5.1	0.0	1480.36	1670.00
18.930	29660.	1742.1	3.9	4.9	0.0	1693.44	1670.00
19.030	4550.	1737.1	0.0	1.9	0.0	337.22	530.00
19.030	6990.	1738.1	1.0	1.7	0.0	846.91	530.00
19.030	8170.	1738.5	0.4	1.5	0.0	952.64	530.00
19.030	11310.	1739.4	0.9	1.2	0.0	1132.48	530.00
19.030	29510.	1743.0	3.6	0.9	0.0	1557.63	530.00
19.280	4480.	1744.7	0.0	7.6	0.0	436.01	1630.00
19.280	6880.	1746.2	1.5	8.1	0.0	507.65	1630.00
19.280	8040.	1746.7	0.5	8.2	0.0	526.15	1630.00
19.280	11150.	1747.6	0.9	8.1	0.0	558.12	1630.00
19.280	29140.	1750.4	2.8	7.4	0.0	965.77	1630.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
19.280	4480.	1745.1	0.0	0.4	0.0	152.42	100.00
19.280	6880.	1746.5	1.5	0.3	0.0	157.76	100.00
19.280	8040.	1747.0	0.5	0.3	0.0	159.00	100.00
19.280	11150.	1747.9	0.9	0.4	0.0	161.00	100.00
19.280	29140.	1751.5	3.6	1.1	0.0	1049.56	100.00
19.280	4480.	1745.0	0.0	-0.0	0.0	136.78	1.00
19.280	6880.	1746.5	1.5	-0.1	0.0	151.00	1.00
19.280	8040.	1747.0	0.5	-0.1	0.0	151.00	1.00
19.280	11150.	1747.8	0.9	-0.1	0.0	153.28	1.00
* 19.280	29140.	1752.4	4.5	0.9	0.0	1987.24	1.00
19.280	4480.	1745.4	0.0	0.4	0.0	143.31	38.00
19.280	6880.	1747.0	1.6	0.5	0.0	151.00	38.00
19.280	8040.	1747.5	0.5	0.5	0.0	151.00	38.00
19.280	11150.	1748.8	1.3	1.0	0.0	156.82	38.00
19.280	29140.	1753.9	5.0	1.5	0.0	2064.98	38.00
19.280	4480.	1745.7	0.0	0.3	0.0	155.60	1.00
19.280	6880.	1747.4	1.7	0.4	0.0	159.87	1.00
19.280	8040.	1748.0	0.6	0.5	0.0	161.00	1.00
19.280	11150.	1750.6	2.7	1.8	0.0	991.96	1.00
19.280	29140.	1753.9	3.3	0.1	0.0	2070.08	1.00
19.280	4480.	1745.9	0.0	0.2	0.0	443.11	40.00
19.280	6880.	1747.8	1.9	0.4	0.0	536.16	40.00
19.280	8040.	1748.5	0.7	0.5	0.0	670.08	40.00
19.280	11150.	1750.7	2.2	0.0	0.0	996.11	40.00
19.280	29140.	1754.0	3.3	0.1	0.0	2071.00	40.00
* 19.550	4300.	1752.4	0.0	6.5	0.0	85.32	1060.00
* 19.550	6760.	1755.4	3.0	7.7	0.0	476.09	1060.00
* 19.550	7900.	1756.1	0.7	7.6	0.0	603.65	1060.00
* 19.550	10960.	1756.9	0.8	6.3	0.0	745.64	1060.00
* 19.550	28720.	1759.4	2.4	5.4	0.0	786.44	1060.00
19.870	4300.	1766.4	0.0	14.0	0.0	154.29	1590.00
19.870	6620.	1767.6	1.2	12.2	0.0	277.17	1590.00
19.870	7740.	1768.1	0.5	12.0	0.0	315.40	1590.00
19.870	10740.	1769.3	1.3	12.4	0.0	665.12	1590.00
19.870	28230.	1773.7	4.3	14.3	0.0	760.66	1590.00
19.870	4300.	1766.7	0.0	0.3	0.0	119.00	100.00
19.870	6620.	1768.0	1.3	0.4	0.0	119.67	100.00
19.870	7740.	1768.5	0.5	0.4	0.0	248.20	100.00
19.870	10740.	1769.8	1.3	0.4	0.0	522.58	100.00
19.870	28230.	1774.1	4.3	0.4	0.0	982.41	100.00
19.870	4300.	1766.7	0.0	-0.0	0.0	115.43	1.00
19.870	6620.	1768.0	1.3	-0.0	0.0	116.49	1.00
19.870	7740.	1768.5	0.5	-0.0	0.0	243.69	1.00
19.870	10740.	1769.8	1.3	0.0	0.0	516.25	1.00
19.870	28230.	1775.0	5.2	0.9	0.0	1003.18	1.00

SECNO	Q	CMSEL	DIFWSP	DIFWSX	DIFKMS	TOPMID	XLCH
19.870	4300.	1766.8	0.0	0.1	0.0	115.51	20.00
19.870	6620.	1768.1	1.3	0.2	0.0	116.61	20.00
19.870	7740.	1768.7	0.5	0.2	0.0	261.24	20.00
19.870	10740.	1770.4	1.7	0.6	0.0	670.26	20.00
19.870	28230.	1775.2	4.8	0.2	0.0	1007.77	20.00
19.870	4300.	1766.8	0.0	0.0	0.0	119.00	1.00
19.870	6620.	1768.2	1.4	0.1	0.0	221.00	1.00
19.870	7740.	1768.8	0.6	0.1	0.0	276.06	1.00
19.870	10740.	1770.6	1.8	0.2	0.0	723.84	1.00
19.870	28230.	1775.1	4.5	-0.1	0.0	1005.58	1.00
19.870	4300.	1767.0	0.0	0.2	0.0	259.91	40.00
19.870	6620.	1768.7	1.6	0.4	0.0	840.06	40.00
19.870	7740.	1769.4	0.7	0.6	0.0	867.17	40.00
19.870	10740.	1771.3	1.9	0.7	0.0	915.20	40.00
19.870	28230.	1775.5	4.2	0.4	0.0	1012.59	40.00
19.950	4270.	1767.8	0.0	0.7	0.0	186.98	370.00
19.950	6580.	1769.4	1.6	0.7	0.0	519.57	370.00
19.950	7700.	1770.0	0.6	0.6	0.0	611.91	370.00
19.950	10690.	1771.7	1.7	0.4	0.0	892.58	370.00
19.950	28110.	1775.9	4.3	0.4	0.0	970.76	370.00
20.040	3640.	1769.8	0.0	2.1	0.0	130.26	520.00
20.040	5630.	1771.5	1.7	2.1	0.0	156.97	520.00
20.040	6600.	1772.0	0.5	2.0	0.0	162.79	520.00
20.040	9230.	1772.8	0.8	1.1	0.0	171.58	520.00
20.040	25360.	1777.6	4.8	1.7	0.0	224.58	520.00
20.040	3640.	1771.7	0.0	1.8	0.0	123.32	80.00
20.040	5630.	1773.0	1.3	1.5	0.0	127.98	80.00
20.040	6600.	1773.5	0.5	1.5	0.0	129.79	80.00
20.040	9230.	1774.7	1.2	1.9	0.0	134.09	80.00
20.040	25360.	1778.3	3.6	0.8	0.0	151.17	80.00
20.040	3640.	1771.7	0.0	0.0	0.0	117.83	1.00
20.040	5630.	1773.0	1.3	0.0	0.0	125.35	1.00
20.040	6600.	1773.5	0.5	0.0	0.0	127.34	1.00
20.040	9230.	1774.8	1.3	0.1	0.0	132.06	1.00
20.040	25360.	1782.8	8.0	4.5	0.0	944.11	1.00
20.060	3640.	1772.3	0.0	0.7	0.0	114.11	120.00
20.060	5630.	1773.9	1.6	0.9	0.0	126.17	120.00
20.060	6600.	1774.6	0.6	1.0	0.0	128.58	120.00
20.060	9230.	1776.1	1.6	1.3	0.0	134.43	120.00
20.060	25360.	1783.8	7.7	1.0	0.0	956.66	120.00
20.060	3640.	1772.3	0.0	0.0	0.0	123.15	1.00
20.060	5630.	1773.9	1.6	-0.0	0.0	128.73	1.00
20.060	6600.	1774.5	0.6	-0.0	0.0	131.01	1.00
20.060	9230.	1776.1	1.5	-0.1	0.0	136.49	1.00
20.060	25360.	1783.6	7.5	-0.2	0.0	948.42	1.00

*

*

H07

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
20.060	3640.	1772.5	0.0	0.1	0.0	167.84	30.00
20.060	5630.	1774.2	1.8	0.3	0.0	187.45	30.00
20.060	6600.	1775.0	0.7	0.4	0.0	195.66	30.00
20.060	9230.	1776.8	1.8	0.7	0.0	215.69	30.00
20.060	25360.	1784.3	7.5	0.7	0.0	1131.37	30.00
20.340	3480.	1776.6	0.0	4.2	0.0	242.74	1260.00
20.340	5400.	1777.9	1.3	3.7	0.0	574.59	1260.00
20.340	6340.	1778.5	0.5	3.5	0.0	602.42	1260.00
20.340	8870.	1779.8	1.4	3.1	0.0	672.42	1260.00
20.340	24390.	1785.8	5.9	1.5	0.0	1058.54	1260.00
20.400	3450.	1777.7	0.0	1.1	0.0	189.86	330.00
20.400	5350.	1778.9	1.2	1.0	0.0	411.76	330.00
20.400	6280.	1779.3	0.5	0.9	0.0	564.81	330.00
20.400	8800.	1780.5	1.2	0.6	0.0	623.89	330.00
20.400	24180.	1786.1	5.6	0.3	0.0	993.47	330.00
* 20.540	3370.	1782.3	0.0	4.6	0.0	210.87	640.00
20.540	5230.	1783.2	0.9	4.3	0.0	245.91	640.00
20.540	6150.	1783.5	0.4	4.2	0.0	260.17	640.00
* 20.540	8620.	1784.3	0.8	3.8	0.0	395.82	640.00
20.540	23700.	1787.1	2.8	1.0	0.0	891.63	640.00

SUMMARY OF ERRORS

CAUTION SECNO= 17.720 PROFILE= 5 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 17.720 PROFILE= 5 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 18.430 PROFILE= 5 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 18.430 PROFILE= 1 HYDRAULIC JUMP D.S.

CAUTION SECNO= 18.430 PROFILE= 2 HYDRAULIC JUMP D.S.

CAUTION SECNO= 18.430 PROFILE= 3 HYDRAULIC JUMP D.S.

CAUTION SECNO= 18.430 PROFILE= 4 HYDRAULIC JUMP D.S.

CAUTION SECNO= 19.280 PROFILE= 5 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 19.550 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 19.550 PROFILE= 1

PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 19.550 PROFILE= 1

20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 19.550 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 19.550 PROFILE= 2

PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 19.550 PROFILE= 2

20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 19.550 PROFILE= 3 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 19.550 PROFILE= 3

PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 19.550 PROFILE= 3

20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 19.550 PROFILE= 4 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 19.550 PROFILE= 4

PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 19.550 PROFILE= 4

20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 19.550 PROFILE= 5 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 19.550 PROFILE= 5

PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 19.550 PROFILE= 5

20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 20.040 PROFILE= 4 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 20.040 PROFILE= 5 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 20.040 PROFILE= 5

PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 20.040 PROFILE= 5

20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 20.540 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 20.540 PROFILE= 4 CRITICAL DEPTH ASSUMED

J07

VALLEY RIVER

MILE	MAX PROB FLOOD		ANDREWS NC LFS 500 YEAR FLOOD		100 YEAR FLOOD		50 YEAR FLOOD	
	Q	ELEV	Q	ELEV	Q	ELEV	Q	ELEV
15.140	35000.	1662.9	13580.	1660.0	9890.	1659.3	8480.	1659.0
15.570	34420.	1667.4	13350.	1665.0	9720.	1664.4	8330.	1664.1
16.020	33790.	1674.8	13100.	1672.1	9530.	1671.5	8170.	1671.2
16.080	33720.	1676.0	13080.	1673.1	9510.	1672.4	8150.	1672.1
16.200	33560.	1679.6	13010.	1677.1	9460.	1676.6	8110.	1676.3
16.570	33060.	1687.9	12820.	1684.5	9310.	1683.6	7980.	1683.2
17.000	32480.	1694.3	12590.	1691.1	9130.	1690.2	7820.	1689.8
17.100	32340.	1696.1	12530.	1693.3	9090.	1692.6	7790.	1692.2
17.460	31850.	1704.4	12340.	1701.8	8950.	1701.1	7660.	1700.7
17.720	31500.	1710.4	12200.	1707.5	8840.	1706.6	7570.	1706.2
17.720	31500.	1714.5	12200.	1710.2	8840.	1708.7	7570.	1708.0
17.850	31300.	1715.2	12110.	1711.1	8770.	1709.8	7510.	1709.2
17.930	31180.	1716.5	12060.	1712.2	8730.	1710.8	7480.	1710.1
18.130	30880.	1721.1	11920.	1716.5	8630.	1715.2	7390.	1714.5
18.430	30420.	1730.7	11720.	1725.4	8480.	1724.2	7260.	1723.7
18.430	30420.	1733.7	11720.	1730.8	8480.	1729.9	7260.	1729.0
18.550	30240.	1735.5	11640.	1731.7	8410.	1730.6	7200.	1729.8
18.650	30080.	1737.2	11570.	1733.2	8360.	1731.8	7160.	1731.0
18.930	29660.	1742.1	11380.	1738.2	8220.	1737.0	7030.	1736.5
19.030	29510.	1743.0	11310.	1739.4	8170.	1738.5	6990.	1738.1
19.280	29140.	1750.4	11150.	1747.6	8040.	1746.7	6880.	1746.2
19.280	29140.	1754.0	11150.	1750.7	8040.	1748.5	6880.	1747.8
19.550	28720.	1759.4	10960.	1756.9	7900.	1756.1	6760.	1755.4
19.870	28230.	1773.7	10740.	1769.3	7740.	1768.1	6620.	1767.6
19.870	28230.	1775.5	10740.	1771.3	7740.	1769.4	6620.	1768.7
19.950	28110.	1775.9	10690.	1771.7	7700.	1770.0	6580.	1769.4

K07

20.040	25360.	1777.6	9230.	1772.8	6600.	1772.0	5630.	1771.5
20.040	25360.	1782.8	9230.	1774.8	6600.	1773.5	5630.	1773.0
20.060	25360.	1783.8	9230.	1776.1	6600.	1774.6	5630.	1773.9
20.060	25360.	1784.3	9230.	1776.8	6600.	1775.0	5630.	1774.2
20.340	24390.	1785.8	8870.	1779.8	6340.	1778.5	5400.	1777.9
20.400	24180.	1786.1	8800.	1780.5	6280.	1779.3	5350.	1778.9
20.540	23700.	1787.1	8620.	1784.3	6150.	1783.5	5230.	1783.2

VALLEY RIVER

ANDREWS NC LFS

10 YEAR FLOOD

MILE	Q	ELEV	Q	ELEV
15.140		5560.		1658.0
15.570		5460.		1663.4
16.020		5350.		1670.5
16.080		5330.		1671.3
16.200		5310.		1675.7
16.570		5220.		1682.2
17.000		5110.		1688.6
17.100		5080.		1691.0
17.460		5000.		1699.7
17.720		4940.		1704.9
17.720		4940.		1706.1
17.850		4900.		1707.6
17.930		4880.		1708.4
18.130		4820.		1712.7
18.430		4730.		1722.3
18.430		4730.		1723.4
18.550		4690.		1725.5
18.650		4650.		1728.1
18.930		4580.		1735.2
19.030		4550.		1737.1
19.280		4480.		1744.7
19.280		4480.		1745.9
19.550		4390.		1752.4
19.870		4300.		1766.4
19.870		4300.		1767.0
19.950		4270.		1767.8

M07

20.040 3640. 1769.8

20.040 3640. 1771.7

20.060 3640. 1772.3

20.060 3640. 1772.5

20.340 3480. 1776.6

20.400 3450. 1777.7

20.540 3370. 1782.3

..