

-----DISTANCES-----											
SECTION	DOWNSTREAM		UPSTREAM		DRAINAGE AREA, SQ MI	'N' VALUE BY SEGMENTS					
	CHANNEL	VALLEY	CHANNEL	VALLEY		NO. 1	NO. 2	NO. 3	NO. 4	NO. 5	NO. 6
1	1.	1.	1350.	1350.	4.09	0.080	0.060	0.080			

-----KD VALUES-----					END AREA
ELEVATION	CHANNEL	VALLEY	TOTAL	SQ. FT.	
290.00	156029.6	3558909.0	3714938.5	27961.90	
289.00	147224.8	3269291.5	3416516.0	26448.95	
288.00	138690.4	2994571.0	3133261.0	24959.48	
287.00	130290.5	2727948.0	2858238.5	23482.56	
286.00	122158.0	2478820.5	2600978.5	22032.36	
285.00	114230.4	2240521.0	2354751.0	20604.52	
284.00	106439.3	2009441.7	2115881.0	19191.59	
283.00	98997.2	1796464.0	1895461.2	17815.94	
282.00	91689.0	1590311.7	1682000.7	16454.26	
281.00	84581.7	1394399.5	1478981.0	15113.54	
280.00	77794.0	1244758.5	1322552.5	13829.17	
279.00	71202.9	1099065.7	1170268.5	12617.74	
278.00	64809.9	958093.7	1022903.6	11465.55	
277.00	58685.8	825477.7	884163.5	10355.87	
276.00	52817.9	704355.2	757173.1	9285.96	
275.00	47196.5	594397.5	641594.0	8257.43	
274.00	41821.5	494539.3	536361.0	7271.44	
273.00	36698.6	403169.6	439868.2	6327.65	
272.00	31833.4	318322.2	350155.6	5423.32	
271.00	27273.2	243505.0	270778.3	4557.55	
270.00	22999.3	178326.9	201326.3	3731.12	
269.00	19022.0	122526.6	141548.5	2944.47	
268.00	15352.5	76392.4	91744.9	2197.88	
267.00	12024.8	40983.9	53008.7	1498.16	
266.00	9022.7	15889.6	24912.4	846.04	
265.00	6364.6	2990.9	9355.5	312.88	
264.00	4090.0	986.3	5076.3	128.56	
263.00	2388.7	198.9	2587.7	71.35	
262.00	1157.4	0.0	1157.4	34.28	
261.00	352.5	0.0	352.5	15.52	
260.00	0.0	0.0	0.0	0.00	

CFS	VELOCITY	ELEV.	CFS	VELOCITY	ELEV.	CFS	VELOCITY	ELEV.
6.70	0.78	260.59	10.92	0.94	260.77	17.87	1.14	261.01
29.24	1.34	261.34	47.85	1.59	261.79	78.24	1.82	262.37
127.93	1.81	262.98	209.20	1.98	263.67	342.12	1.66	264.69
559.51	1.43	265.16	914.97	1.38	265.70	1496.28	1.51	266.23
2446.96	1.73	266.87	4001.61	2.00	267.71	6543.99	2.35	268.79

-----DISTANCES-----

SECTION	DOWNSTREAM		UPSTREAM		DRAINAGE AREA, SQ MI	'N' VALUE BY SEGMENTS					
	CHANNEL	VALLEY	CHANNEL	VALLEY		NO. 1	NO. 2	NO. 3	NO. 4	NO. 5	NO. 6
2	1350.	1350.	1650.	1650.	3.91	0.080	0.060	0.080			

-----KD VALUES-----

ELEVATION	CHANNEL	VALLEY	TOTAL	END AREA SQ. FT.
294.00	160575.3	3390001.0	3550576.0	30282.34
293.00	151410.0	3058938.0	3210348.0	28282.52
292.00	142394.6	2738884.0	2881278.5	26298.48
291.00	133603.9	2435347.5	2568951.0	24338.11
290.00	125101.3	2155037.0	2280138.0	22408.18
289.00	116744.3	1887744.0	2004488.2	20495.85
288.00	108681.6	1649302.2	1757983.7	18623.47
287.00	100844.8	1431661.7	1532506.5	16806.32
286.00	93158.7	1227890.0	1321048.5	15026.01
285.00	85834.0	1085895.5	1171729.5	13399.21
284.00	78716.8	982487.6	1061204.5	12014.10
283.00	71808.7	899801.7	971610.3	10830.26
282.00	65184.2	797089.0	862272.2	9807.01
281.00	58851.2	696421.6	755272.7	8851.20
280.00	52730.1	600644.1	653374.2	7939.34
279.00	46883.9	513727.9	560611.8	7080.65
278.00	41302.1	435993.6	477295.7	6272.03
277.00	36061.0	362075.1	398136.2	5517.05
276.00	31101.6	294643.1	325744.7	4794.63
275.00	26413.2	233479.5	259892.7	4102.70
274.00	22047.3	179565.8	201613.2	3445.99
273.00	18003.7	130844.0	148847.8	2818.70
272.00	14295.8	87043.7	101339.5	2206.12
271.00	10917.5	49793.9	60711.5	1597.50
270.00	7907.9	21534.6	29442.5	993.74
269.00	5647.4	6034.2	11681.7	460.29
268.00	3849.4	0.0	3849.4	76.76
267.00	2434.6	0.0	2434.6	55.20
266.00	1315.5	0.0	1315.5	35.93
265.00	530.4	0.0	530.4	19.27
264.00	64.3	0.0	64.3	4.99
263.60	0.0	0.0	0.0	0.00

CFS	VELOCITY	ELEV.	CFS	VELOCITY	ELEV.	CFS	VELOCITY	ELEV.
6.47	0.85	264.20	10.54	1.01	264.40	17.25	1.19	264.68
28.23	1.42	265.04	46.20	1.68	265.51	75.53	1.97	266.13
123.51	2.32	266.90	201.97	2.75	267.85	330.31	0.65	269.11
540.19	1.00	269.20	883.37	1.29	269.45	1444.61	1.50	269.94
2362.46	1.75	270.58	3863.43	2.10	271.39	6318.02	2.53	272.46

-----DISTANCES-----											
SECTION	DOWNSTREAM		UPSTREAM		DRAINAGE AREA, SQ MI	'N' VALUE BY SEGMENTS					
	CHANNEL	VALLEY	CHANNEL	VALLEY		NO. 1	NO. 2	NO. 3	NO. 4	NO. 5	NO. 6
3	1650.	1650.	1900.	1900.	3.53	0.080	0.060	0.080			

-----KD VALUES-----					END AREA
ELEVATION	CHANNEL	VALLEY	TOTAL	SQ. FT.	
300.00	150038.3	2723293.0	2873331.0	22156.84	
299.00	141826.1	2504336.5	2646162.5	20913.65	
298.00	133830.2	2296010.0	2429840.0	19696.35	
297.00	125927.1	2092240.0	2218167.0	18490.14	
296.00	118316.1	1902455.2	2020771.2	17318.23	
295.00	110831.3	1718909.0	1829740.2	16161.05	
294.00	103565.0	1546292.7	1649857.7	15029.36	
293.00	96522.0	1384785.2	1481307.0	13926.15	
292.00	89607.3	1229479.5	1319086.7	12839.32	
291.00	82986.5	1087137.7	1170124.2	11789.94	
290.00	76522.4	953641.2	1030163.6	10761.48	
289.00	70245.0	833820.2	904065.2	9763.97	
288.00	64237.6	757482.2	821719.8	8856.73	
287.00	58445.4	666231.5	724676.8	8031.13	
286.00	52840.4	571927.1	624767.5	7251.69	
285.00	47456.6	485414.1	532870.7	6498.26	
284.00	42344.5	407088.6	449433.1	5776.60	
283.00	37463.6	335479.6	372943.1	5081.28	
282.00	32816.7	270484.8	303301.5	4412.19	
281.00	28409.5	212447.2	240856.8	3770.07	
280.00	24245.6	161806.5	186052.2	3156.33	
279.00	20370.5	118912.0	139282.6	2580.59	
278.00	16770.4	82374.9	99145.3	2039.96	
277.00	13456.3	51414.9	64871.2	1530.72	
276.00	10437.8	26337.1	36775.0	1038.83	
275.00	7794.0	9477.0	17271.0	567.58	
274.00	5738.0	2294.6	8032.7	241.36	
273.00	4029.8	0.0	4029.8	76.72	
272.00	2662.2	0.0	2662.2	57.03	
271.00	1550.4	0.0	1550.4	39.09	
270.00	712.5	0.0	712.5	23.04	
269.00	167.5	0.0	167.5	8.87	
268.10	0.0	0.0	0.0	0.00	

CFS	VELOCITY	ELEV.	CFS	VELOCITY	ELEV.	CFS	VELOCITY	ELEV.
5.91	0.84	268.87	9.72	0.98	269.08	15.92	1.20	269.32
26.05	1.43	269.67	42.63	1.69	270.14	69.70	1.97	270.77
113.97	2.31	271.58	186.37	2.69	272.63	304.79	1.27	273.99
498.45	1.45	274.50	815.12	1.58	274.88	1332.99	1.76	275.41
2179.92	2.04	276.06	3564.91	2.38	276.93	5829.84	2.82	278.04

-----DISTANCES-----										
SECTION 4	DOWNSTREAM		UPSTREAM		DRAINAGE AREA, SQ MI 3.12	'N' VALUE BY SEGMENTS				
	CHANNEL 1900.	VALLEY 1900.	CHANNEL 600.	VALLEY 600.		NO. 1 0.080	NO. 2 0.065	NO. 3 0.080	NO. 4	NO. 5

-----KD VALUES-----				END AREA
ELEVATION	CHANNEL	VALLEY	TOTAL	SQ. FT.
306.00	145671.8	4902709.0	5048380.0	35531.87
305.00	138448.8	4576382.0	4714830.0	33829.95
304.00	131297.5	4255951.0	4387248.0	32143.60
303.00	124364.6	3952927.5	4077292.0	30503.94
302.00	117486.2	3654256.5	3771742.5	28875.97
301.00	110886.3	3376440.0	3487326.0	27306.05
300.00	104340.1	3102238.0	3206578.0	25746.78
299.00	98008.6	2842496.5	2940505.0	24230.11
298.00	91831.9	2593839.5	2685671.0	22742.92
297.00	85758.5	2352572.5	2438331.0	21275.38
296.00	79948.6	2128807.5	2208756.0	19856.66
295.00	74246.6	1914956.2	1989202.7	18460.28
294.00	68706.5	1715978.0	1784684.5	17097.43
293.00	63373.5	1533224.0	1596597.5	15791.34
292.00	58191.2	1356565.5	1414756.7	14521.05
291.00	53157.6	1182966.7	1236124.2	13283.17
290.00	48377.7	1022874.0	1071251.7	12078.06
289.00	43754.3	871905.5	915659.7	10892.42
288.00	39284.9	729889.6	769174.5	9725.79
287.00	35014.8	599354.7	634369.5	8583.27
286.00	30981.1	482640.1	513621.2	7468.79
285.00	27142.4	376634.3	403776.7	6378.78
284.00	23503.5	282252.0	305755.5	5318.65
283.00	20060.8	199416.2	219477.0	4290.22
282.00	16851.4	130248.1	147099.5	3301.30
281.00	13870.4	78371.1	92241.5	2380.45
280.00	11126.9	43532.3	54659.2	1580.78
279.00	8710.3	18284.1	26994.4	913.93
278.00	6721.0	5217.5	11938.6	423.70
277.00	5065.9	1071.3	6137.3	171.04
276.00	3585.0	0.0	3585.0	75.02
275.00	2326.0	0.0	2326.0	55.72
274.00	1305.0	0.0	1305.0	37.62
273.00	512.6	0.0	512.6	20.54
272.00	46.5	0.0	46.5	4.61
271.40	0.0	0.0	0.0	0.00

CFS	VELOCITY	ELEV.	CFS	VELOCITY	ELEV.	CFS	VELOCITY	ELEV.
5.41	0.61	272.27	8.81	0.72	272.48	14.43	0.89	272.73
23.61	1.07	273.08	38.64	1.28	273.56	63.18	1.52	274.22
103.31	1.80	275.06	168.94	2.11	276.24	276.28	0.84	277.74
451.82	1.12	277.95	738.87	1.17	278.49	1208.31	1.24	279.10
1976.02	1.38	279.79	3231.47	1.59	280.59	5284.55	1.77	281.66

-----DISTANCES-----											
SECTION	DOWNSTREAM		UPSTREAM		DRAINAGE AREA, SQ MI	'N' VALUE BY SEGMENTS					
	CHANNEL	VALLEY	CHANNEL	VALLEY		NO. 1	NO. 2	NO. 3	NO. 4	NO. 5	NO. 6
5	600.	600.	1100.	1100.	2.89	0.100	0.065	0.100			

-----KD VALUES-----

ELEVATION	CHANNEL	VALLEY	TOTAL	END AREA SQ. FT.
305.00	124752.6	1352852.2	1477604.7	16137.85
304.00	117968.0	1213411.7	1331379.5	15036.06
303.00	111401.7	1081370.2	1192772.0	13961.29
302.00	104890.1	951178.6	1056068.7	12893.27
301.00	98641.6	850402.0	949043.6	11871.41
300.00	92494.3	754265.7	846760.0	10876.17
299.00	86498.7	665091.0	751589.7	9920.87
298.00	80709.8	599092.6	679802.3	9035.20
297.00	75025.4	538023.6	613049.0	8186.70
296.00	69552.5	473493.1	543045.7	7417.21
295.00	64231.7	412135.8	476367.5	6686.10
294.00	59060.9	354654.0	413714.9	5992.83
293.00	54084.1	304213.8	358297.9	5348.55
292.00	49306.2	258486.6	307792.9	4754.98
291.00	44680.0	215945.0	260625.1	4192.39
290.00	40207.1	176414.7	216621.8	3657.26
289.00	35977.7	142237.0	178214.8	3162.59
288.00	31933.5	111642.7	143576.3	2694.78
287.00	28078.6	84690.8	112769.4	2253.52
286.00	24417.4	61348.9	85766.3	1838.68
285.00	20950.5	41475.2	62425.7	1449.72
284.00	17714.2	25543.9	43258.2	1090.52
283.00	14699.2	13489.6	28188.8	762.05
282.00	11914.0	5719.9	17634.0	478.72
281.00	9434.3	1445.3	10879.6	262.69
280.00	7416.8	240.9	7657.7	144.50
279.00	5674.0	0.0	5674.0	103.72
278.00	4146.0	0.0	4146.0	83.12
277.00	2833.3	0.0	2833.3	63.68
276.00	1719.3	0.0	1719.3	45.25
275.00	827.6	0.0	827.6	27.87
274.00	206.1	0.0	206.1	11.53
273.20	0.0	0.0	0.0	0.00

CFS	VELOCITY	ELEV.	CFS	VELOCITY	ELEV.	CFS	VELOCITY	ELEV.
5.09	0.66	273.75	8.29	0.80	273.92	13.57	0.95	274.17
22.20	1.15	274.48	36.33	1.36	274.93	59.41	1.60	275.54
97.14	1.86	276.37	158.86	2.16	277.50	259.80	2.52	278.95
424.87	3.18	279.91	694.79	2.42	281.20	1136.22	2.45	281.93
1858.13	2.58	282.86	3038.68	2.88	283.88	4969.28	3.33	285.11

SECTION	DOWNSTREAM		UPSTREAM		DRAINAGE AREA, SQ MI	'N' VALUE BY SEGMENTS					
	CHANNEL	VALLEY	CHANNEL	VALLEY		NO. 1	NO. 2	NO. 3	NO. 4	NO. 5	NO. 6
6	1100.	1100.	100.	100.	2.63	0.100	0.065	0.100			

ELEVATION	KD VALUES		TOTAL	END AREA SQ. FT.
	CHANNEL	VALLEY		
312.00	113310.2	762550.0	875860.2	9251.44
311.00	107773.9	703347.0	811120.8	8662.22
310.00	102274.8	645076.6	747351.3	8082.57
309.00	96961.3	592543.7	689505.0	7545.63
308.00	91689.4	541370.8	633060.2	7018.14
307.00	86606.7	496699.2	583306.0	6532.84
306.00	81584.9	453384.8	534969.7	6060.69
305.00	76700.0	413237.6	489942.5	5619.20
304.00	71000.0	372370.8	444331.8	5199.19
303.00	66000.0	331927.4	399223.0	4791.32
302.00	62000.0	298073.4	360882.4	4409.90
301.00	58424.1	265041.3	323465.4	4045.45
300.00	54140.8	232831.3	286972.1	3697.98
299.00	50033.0	202255.4	252288.4	3366.09
298.00	46037.9	173431.3	219469.2	3043.66
297.00	42155.1	146485.3	188640.4	2730.50
296.00	38444.1	122312.3	160756.4	2431.25
295.00	34870.3	100279.2	135149.5	2142.82
294.00	31411.3	80044.0	111455.3	1863.50
293.00	28101.0	62119.1	90220.1	1596.02
292.00	24950.3	46496.0	71446.4	1341.22
291.00	21963.9	33303.1	55267.0	1099.32
290.00	19127.6	23982.2	43109.8	878.57
289.00	16436.9	17149.7	33586.7	692.71
288.00	13919.3	11283.4	25202.8	540.48
287.00	11572.4	6408.4	17980.8	402.86
286.00	9402.6	3232.6	12635.3	284.99
285.00	7407.9	1285.0	8693.0	191.39
284.00	5608.1	321.5	5929.6	124.60
283.00	4133.7	98.3	4232.1	89.86
282.00	2831.8	0.0	2831.8	63.89
281.00	1836.1	0.0	1836.1	47.32
280.00	1017.8	0.0	1017.8	31.72
279.00	396.0	0.0	396.0	17.07
278.00	42.5	0.0	42.5	3.88
277.50	0.0	0.0	0.0	0.00

CFS	VELOCITY	ELEV.	CFS	VELOCITY	ELEV.	CFS	VELOCITY	ELEV.
4.71	0.81	278.16	7.68	0.95	278.34	12.57	1.11	278.58
20.57	1.33	278.88	33.66	1.59	279.28	55.04	1.89	279.82
90.00	2.22	280.57	147.18	2.57	281.60	240.69	2.70	282.98
393.63	2.87	284.20	643.71	2.79	285.48	1052.68	2.89	286.70
1721.51	3.16	288.03	2815.26	3.54	289.61	4603.91	3.85	291.39

BRIDGE SECTION 7

COEFFICIENTS
OPENING=0.800, ORIFICE=0.600, ROADWAY=0.800

-----DISTANCES-----

ELEVATION	OPENING END AREA	Q CRIT.	DOWNSTREAM		UPSTREAM	
			CHANNEL 100.0	VALLEY 100.0	CHANNEL 100.0	VALLEY 100.0
			ROADWAY			
			ELEVATION		Q IN CFS	
279.2000	0.00	0.00	288.7000		0.00	
279.3999	2.36	5.98	289.2999		413.59	
279.5998	4.72	16.93	289.8998		1655.89	
279.7997	7.08	31.11	290.4998		3692.20	
279.9996	9.44	47.89	291.0997		6208.13	
280.1995	11.80	66.93	291.6996		9407.93	
280.3994	14.16	87.99	292.2996		13045.59	
280.5993	16.52	110.88	292.8995		17293.65	
280.7992	18.88	135.47	293.4995		22173.12	
280.9991	21.24	161.65	294.0994		27679.41	
281.1990	23.60	189.33	294.6993		33707.57	
281.3989	25.96	218.43	295.2993		40177.67	
281.5988	28.32	248.88	295.8992		47247.46	
281.7987	30.69	280.63	296.4991		54930.41	
281.9986	33.05	313.63	297.0991		63240.10	
282.1985	35.41	347.82	297.6990		72187.48	
282.3984	37.77	383.18	298.2990		81786.96	
282.5983	40.13	419.66	298.8989		92048.96	
282.7982	42.49	457.22	299.4988		102986.76	
282.9981	44.85	495.85	300.0988		114644.67	
283.1980	47.21	535.51	300.6987		127013.20	
283.3979	49.57	576.17	301.2986		140102.53	
283.5978	51.93	617.81	301.8986		153937.96	
283.7977	54.29	660.41	302.4985		168516.25	
283.9976	56.65	703.94	303.0984		183850.62	
284.1975	59.02	748.39	303.6984		199954.12	
284.3974	61.38	793.75	304.2983		216835.21	
284.5974	63.74	839.99	304.8983		234508.40	
284.7973	66.10	887.09	305.4982		253341.87	
284.9972	68.46	935.04	306.0981		273219.43	
285.1971	70.82	983.82	306.6981		293982.68	
285.3970	73.18	1033.41	307.2980		315639.62	
285.5969	75.54	1083.82	307.8979		339604.62	
285.7968	77.90	1135.01	308.4979		365500.25	
285.9967	80.26	1186.99	309.0978		392540.31	
286.1966	82.63	1239.75	309.6978		426020.68	
286.3965	84.99	1293.26	310.2977		461226.43	
286.5964	87.35	1347.51	310.8976		483626.81	
286.7963	89.71	1402.51	311.4976		506542.25	
286.9962	92.07	1458.23	312.0975		529969.25	
287.2000	94.47	1515.78	312.7000		554015.12	

THE HEAD-LOSS IS REFLECTED BETWEEN THE EXIT AND APPROACH SECTIONS. A RATING CURVE IS NOT DEVELOPED SEPERATELY FOR THE BRIDGE. NORMAL PROFILES ARE COMPUTED WHEN THE BRIDGE DOES NOT CONTROL THE FLOW.

SECTION 8	DOWNSTREAM		UPSTREAM		DRAINAGE AREA, SQ MI 2.60	'N' VALUE BY SEGMENTS					
	CHANNEL 100.	VALLEY 100.	CHANNEL 1400.	VALLEY 1400.		NO. 1 0.100	NO. 2 0.065	NO. 3 0.100	NO. 4	NO. 5	NO. 6

-----KD VALUES-----

ELEVATION	CHANNEL	VALLEY	TOTAL	END AREA SQ. FT.
313.00	104741.4	1964130.0	2068871.2	18737.82
312.00	99621.0	1831320.7	1930941.5	17813.76
311.00	94568.2	1702166.0	1796734.2	16902.69
310.00	89648.7	1574621.0	1664269.5	16014.38
309.00	84786.2	1447766.2	1532552.2	15135.83
308.00	80098.3	1325823.2	1405921.5	14276.69
307.00	75448.6	1205296.5	1280745.0	13421.66
306.00	70967.1	1092605.7	1163572.7	12584.23
305.00	66575.5	984044.0	1050619.5	11756.01
304.00	62273.8	879611.0	941884.7	10937.00
303.00	58137.2	785170.7	843307.8	10136.02
302.00	54075.3	695789.5	749864.7	9348.14
301.00	50144.7	615621.7	665766.5	8586.15
300.00	46340.2	537560.7	583901.0	7846.61
299.00	42641.4	462301.0	504942.4	7122.08
298.00	39063.1	391470.3	430533.4	6410.11
297.00	35643.4	327188.5	362832.0	5714.11
296.00	32332.0	268775.2	301107.2	5033.64
295.00	29128.3	216849.1	245977.5	4372.82
294.00	26080.1	177046.5	203126.6	3765.11
293.00	23179.5	138254.9	161434.5	3199.08
292.00	20413.5	103676.1	124089.6	2659.79
291.00	17785.1	74560.7	92345.9	2149.48
290.00	15293.4	50784.2	66077.7	1673.14
289.00	12963.8	35088.7	48052.6	1259.45
288.00	10791.1	27655.9	38447.0	944.79
287.00	8781.2	16857.5	25638.7	706.85
286.00	6935.7	8188.8	15124.5	477.38
285.00	5273.2	2463.0	7736.3	257.09
284.00	3960.2	600.4	4560.7	132.80
283.00	2799.5	0.0	2799.5	61.63
282.00	1840.9	0.0	1840.9	46.01
281.00	1038.2	0.0	1038.2	31.10
280.00	407.9	0.0	407.9	16.86
279.00	41.5	0.0	41.5	3.69
278.30	0.0	0.0	0.0	0.00

CFS	VELOCITY	ELEV.	CFS	VELOCITY	ELEV.	CFS	VELOCITY	ELEV.
4.67	0.85	279.15	7.61	0.98	279.33	12.45	1.22	279.51
20.38	1.44	279.80	13.35	1.71	280.18	54.53	2.71	280.23
89.16	2.70	281.13	145.81	3.11	282.05	238.46	2.41	283.60
389.97	1.21	285.29	637.72	0.81	287.31	1042.89	0.78	289.19
1705.51	1.12	289.65	2789.08	1.58	290.19	4561.10	1.85	291.62

BRIDGE DID NOT CONTROL FLOW

-----DISTANCES-----											
SECTION	DOWNSTREAM		UPSTREAM		DRAINAGE AREA, SQ MI	'N' VALUE BY SEGMENTS					
	CHANNEL	VALLEY	CHANNEL	VALLEY		NO. 1	NO. 2	NO. 3	NO. 4	NO. 5	NO. 6
9	1400.	1400.	2100.	2100.	2.08	0.100	0.070	0.100			

-----KD VALUES-----				END AREA
ELEVATION	CHANNEL	VALLEY	TOTAL	SQ. FT.
312.00	279429.3	1478366.0	1757795.2	17927.80
311.00	261134.6	1343979.0	1605113.5	16791.85
310.00	243489.0	1218804.2	1462293.2	15694.82
309.00	226326.6	1100063.5	1326390.0	14626.22
308.00	209486.4	985612.8	1195099.2	13576.59
307.00	193471.2	880815.8	1074287.0	12573.67
306.00	177794.6	780180.2	957974.8	11588.98
305.00	162626.3	685787.5	848413.7	10631.62
304.00	148110.5	598815.7	746926.2	9708.89
303.00	134071.1	517088.3	651159.5	8810.99
302.00	120501.6	440445.3	560947.0	7937.33
301.00	107738.4	373743.9	481482.3	7106.31
300.00	95474.9	312519.7	407994.6	6305.61
299.00	83704.5	256588.0	340292.5	5534.73
298.00	72573.9	207221.6	279795.6	4802.31
297.00	62208.4	167472.5	229680.9	4126.10
296.00	52478.4	134144.8	186623.1	3502.18
295.00	43404.6	108454.5	151859.2	2952.12
294.00	34980.7	85034.9	120015.6	2457.96
293.00	27337.9	60501.5	87839.4	1994.16
292.00	20472.3	39791.4	60263.7	1548.57
291.00	14431.0	23096.6	37527.6	1121.34
290.00	9236.5	10708.5	19945.1	715.16
289.00	5047.0	3481.9	8529.0	363.14
288.00	2111.7	464.2	2576.0	129.30
287.00	1493.0	9.6	1502.6	49.45
286.00	1135.5	0.0	1135.5	33.25
285.00	634.6	0.0	634.6	21.88
284.00	254.2	0.0	254.2	11.69
283.00	28.3	0.0	28.3	2.83
282.40	1.4	0.0	1.4	0.32

CFS	VELOCITY	ELEV.	CFS	VELOCITY	ELEV.	CFS	VELOCITY	ELEV.
3.89	2.69	282.82*	6.33	0.88	283.50	10.36	1.06	283.79
16.96	1.27	284.17	27.75	1.50	284.68	45.37	1.80	285.29
74.19	2.08	286.19	121.32	1.23	287.67	198.42	1.07	288.27
324.49	1.10	288.78	530.64	0.98	289.53	867.78	0.93	290.54
1419.14	1.15	291.26	2320.77	1.44	292.13	3795.25	1.70	293.52

* INDICATES CRITICAL FLOW

SECTION	DISTANCES				DRAINAGE AREA, SQ MI	'N' VALUE BY SEGMENTS					
	DOWNSTREAM		UPSTREAM			NO. 1	NO. 2	NO. 3	NO. 4	NO. 5	NO. 6
10	CHANNEL	VALLEY	CHANNEL	VALLEY	1.69	0.100	0.070	0.100			
	2100.	2100.	2600.	2600.							

ELEVATION	KD VALUES			END AREA
	CHANNEL	VALLEY	TOTAL	SQ. FT.
316.00	105475.3	1444551.0	1550026.2	15933.85
315.00	99396.4	1319973.7	1419370.0	14953.07
314.00	93481.8	1202173.7	1295655.5	13997.87
313.00	87685.9	1089125.5	1176811.2	13060.84
312.00	82008.9	980829.0	1062838.0	12141.99
311.00	76550.2	880955.7	957506.0	11255.85
310.00	71190.3	785059.5	856249.8	10384.91
309.00	66004.2	696259.2	762263.3	9540.94
308.00	60984.8	613689.0	674673.7	8727.13
307.00	56105.1	536473.5	592578.6	7938.47
306.00	51384.8	465521.0	516905.8	7178.31
305.00	46874.4	396656.3	443530.6	6455.53
304.00	42507.1	338392.0	380899.1	5768.07
303.00	38282.4	290703.1	328985.5	5118.90
302.00	34263.4	244876.0	279139.4	4534.00
301.00	30439.6	199846.3	230285.9	3975.03
300.00	26793.8	158644.2	185438.1	3434.04
299.00	23330.4	121778.4	145108.8	2910.72
298.00	20047.7	89138.5	109136.3	2404.85
297.00	16979.6	61370.5	78350.1	1919.24
296.00	14119.2	38288.8	52408.0	1452.58
295.00	11474.4	20179.5	31654.0	1004.47
294.00	9047.3	7558.6	16605.9	586.29
293.00	6951.8	1797.0	8748.8	268.46
292.00	5176.4	0.0	5176.4	104.48
291.00	3729.2	0.0	3729.2	82.87
290.00	2479.1	0.0	2479.1	62.42
289.00	1443.5	0.0	1443.5	43.17
288.00	629.1	0.0	629.1	25.02
287.00	105.6	0.0	105.6	8.06
286.30	0.0	0.0	0.0	0.00

CFS	VELOCITY	ELEV.	CFS	VELOCITY	ELEV.	CFS	VELOCITY	ELEV.
3.26	0.48	286.91	5.31	0.57	287.08	8.70	0.66	287.30
14.24	0.80	287.57	23.30	0.96	287.96	38.10	1.12	288.49
62.30	1.31	289.23	101.88	1.47	290.33	166.61	1.81	291.42
272.48	1.44	292.69	445.59	1.12	293.50	728.70	1.13	294.15
1191.68	1.23	294.91	1948.81	1.42	295.81	3186.97	1.64	297.03

SECTION	DISTANCES		DRAINAGE		'N' VALUE BY SEGMENTS						
	DOWNSTREAM CHANNEL	VALLEY	UPSTREAM CHANNEL	VALLEY	AREA, SQ MI	NO. 1	NO. 2	NO. 3	NO. 4	NO. 5	NO. 6
11	2600.	2600.	1.	1.	1.09	0.100	0.070	0.100			

-----KD VALUES-----				END AREA
ELEVATION	CHANNEL	VALLEY	TOTAL	SQ. FT.
329.00	49557.8	873387.8	922945.7	9574.78
328.00	46810.7	802659.5	849470.1	9007.88
327.00	44096.4	733723.6	777820.0	8448.98
326.00	41458.7	668970.3	710429.1	7908.76
325.00	38894.7	608039.7	646934.5	7386.10
324.00	36373.1	549278.2	585651.2	6873.49
323.00	33948.1	495292.0	529240.1	6383.47
322.00	31578.0	443881.5	475459.5	5906.01
321.00	29262.9	395046.8	424309.8	5441.09
320.00	27042.7	350436.4	377479.1	4997.36
319.00	24883.3	308370.5	333253.8	4566.96
318.00	22784.7	268651.5	291436.1	4149.49
317.00	20778.9	231380.8	252159.7	3749.66
316.00	18847.3	197872.4	216719.6	3364.76
315.00	16977.7	167059.2	184037.0	2992.97
314.00	15188.5	139094.1	154282.6	2638.86
313.00	13485.5	114026.3	127511.9	2303.31
312.00	11871.4	91763.3	103634.7	1986.30
311.00	10338.4	71925.7	82264.2	1685.78
310.00	8884.1	54340.5	63224.6	1400.90
309.00	7523.3	39298.8	46822.1	1134.04
308.00	6254.8	27135.1	33389.9	887.07
307.00	5082.1	17634.5	22716.6	665.78
306.00	4003.9	10072.3	14076.3	469.33
305.00	3031.1	4624.3	7655.4	296.38
304.00	2222.0	1484.0	3706.0	152.19
303.00	1563.7	343.4	1907.1	66.84
302.00	1031.0	65.3	1096.4	37.46
301.00	565.7	0.0	565.7	20.96
300.00	212.2	0.0	212.2	10.91
299.00	11.1	0.0	11.1	1.58
298.50	0.0	0.0	0.0	0.00

CFS	VELOCITY	ELEV.	CFS	VELOCITY	ELEV.	CFS	VELOCITY	ELEV.
2.23	0.63	299.23	3.63	0.77	299.35	5.94	0.91	299.54
9.73	1.13	299.76	15.92	1.35	300.08	26.03	1.60	300.53
42.57	1.86	301.17	69.62	1.76	302.08	113.86	1.84	302.86
186.20	1.57	303.68	304.51	1.50	304.37	497.97	1.64	305.04
814.36	1.86	305.82	1331.76	2.12	306.81	2177.89	2.42	308.05

// PAUSE

// PAUSE