

APPENDIX D: LOAD ALLOCATIONS

Source	Drains	Flow (acre-ft/yr)	Percent of Total Section Flow	TSS	Drain Load (acre-ft/yr*mg/L)	Load Allocation (tons/yr)	
				Concentration (mg/L)			
Reach 1	All-American 9	1752.2	2.80%	243	426137.9	579.4	
	All-American 10	3601.0	5.74%	243	875774.6	1190.8	
	All-American 14	41.0	0.07%	243	9971.5	13.6	
	Birch 3	474.7	0.76%	243	115458.1	157.0	
	Beech	5729.9	9.14%	243	1393503.7	1894.7	
	Elder	392.2	0.63%	243	95386.4	129.7	
	Elder 1	1092.4	1.74%	243	265680.5	361.2	
	Elder 3	464.5	0.74%	243	112954.6	153.6	
	Greeson	24107.0	38.46%	243	5862826.5	7971.7	
	Blue Lake	3024.3	4.82%	243	735516.6	1000.1	
	Wormwood 7	3566.3	5.69%	243	867331.0	1179.3	
	Fig	10503.5	16.76%	243	2554459.3	3473.3	
	Wixom	2007.7	3.20%	243	488265.1	663.9	
	Seeley	5931.4	9.46%	243	1442528.5	1961.4	
		Reach Total	62688.3	100.00%	243	15245794.2	20,729.7
	Reach 2	Bullhead Slough	3169.1	3.24%	243	770737.0	1048.0
Elder 14		4242.9	4.34%	243	1031865.4	1403.0	
Salt Creek		26375.1	26.96%	243	6414430.1	8721.7	
Flax		1479.4	1.51%	243	359778.7	489.2	
Fillaree		11824.2	12.09%	243	2875646.2	3910.0	
Rice 3		18537.3	18.95%	243	4508267.1	6129.9	
Rice		4431.0	4.53%	243	1077619.2	1465.2	
Sumac		3472.6	3.55%	243	844536.7	1148.3	
North Central		8492.9	8.68%	243	2065465.4	2808.4	
Cook		1167.3	1.19%	243	283880.3	386.0	
Malan		345.0	0.35%	243	83895.4	114.1	
Gardner		2192.2	2.24%	243	533138.8	724.9	
Similax		152.6	0.16%	243	37104.9	50.5	
Spruce 1		2121.2	2.17%	243	515880.9	701.4	
Spruce 3		1231.9	1.26%	243	299589.9	407.4	
Livesley		3250.4	3.32%	243	790495.6	1074.8	
Spruce		5345.3	5.46%	243	1299986.6	1767.6	
	Reach Total	97830.3	100.00%		23792318.2	32,350.4	

Reach 3	Best	1703.3	1.57%	243	414252.0	563.3
	Cole	2201.0	2.03%	243	535290.3	727.8
	Baughman	1422.1	1.31%	243	345866.3	470.3
	Meserve	725.3	0.67%	243	176394.5	239.8
	Spruce 4	562.5	0.52%	243	136789.4	186.0
	Raymond	3437.9	3.17%	243	836098.9	1136.8
	Pinner	3714.7	3.43%	243	903408.8	1228.4
	Tamarack	2865.9	2.64%	243	696974.9	947.7
	Timothy 1	9947.3	9.18%	243	2419179.0	3289.4
	Riley 11	678.7	0.63%	243	165065.4	224.4
	Timothy 2	1945.4	1.80%	243	473120.2	643.3
	Reed 13	746.9	0.69%	243	181645.7	247.0
	Trifolium 3	7242.7	6.68%	243	1761427.3	2395.0
	Reed 15	576.4	0.53%	243	140189.4	190.6
	Trifolium 4	6963.2	6.43%	243	1693454.3	2302.6
	O'Brien	681.5	0.63%	243	165739.3	225.4
	Trifolium 6	11283.5	10.41%	243	2744149.4	3731.2
	Trifolium 7	16192.4	14.94%	243	3937991.5	5354.5
	Trifolium 8	7844.9	7.24%	243	1907880.1	2594.1
	Trifolium 9	13205.7	12.19%	243	3211631.1	4366.9
	Vail	2276.9	2.10%	243	553732.0	752.9
	Trifolium 10	8508.0	7.85%	243	2069142.4	2813.4
	Trifolium 11	3642.1	3.36%	243	885755.7	1204.4
	Reach Total	108368.3	100.00%		26355177.9	35,835.1
				243		
Direct Discharges to the New River		45009.0	100.00%		10946195.7	14,883.5
International Boundary Flow		157443.3	100.00%	53	8501939.6	11,265.2
TOTAL LOAD ALLOCATIONS		471339.2				115,063.9
				NA		
Natural Sources (Instream erosion, Wind Deposition, etc)		NA	NA		NA	6,408.7
Margin of Safety		NA	NA	NA	NA	6,408.7
TOTAL ASSIMILATIVE CAPACITY						127,881.3