

## APPENDIX D: LOAD ALLOCATION CALCULATIONS

Source	Drains	Flow (acre-ft/yr)	Percent of Total Section Flow	Total Suspended Solids Concentration (mg/L)	Drain Load (acre- ft/yr*mg/L)	Load Allocation (tons/yr)
Reach 1	All-American (Includes AA5, AA5A, AA6, AA6A)	1129.7	1.55%	180.0	203344.9	276.5
	Toland	202.1	0.28%	180.0	36382.6	49.5
	South Alamo (Includes South Alamo & South Alamo 1)	1080.9	1.48%	180.0	194560.0	264.5
	Verde	27198.3	37.31%	180.0	4895686.9	6656.6
	Schali	3140.1	4.31%	180.0	565217.9	768.5
	Warren	10575.4	14.51%	180.0	1903565.5	2588.3
	South Central (Includes South Central, Ash 20 & Ash)	27192.6	37.31%	180.0	4894675.7	6655.2
	Ninth St.	934.5	1.28%	180.0	168213.2	228.7
	Reach Total	71453.6	98.03%		12861646.9	<b>17487.8</b>
	Reach 2	Palmetto	10591.3	10.26%	180.0	1906430.5
Central		72376.9	70.14%	180.0	13027833.1	17713.8
Peach		3318.3	3.22%	180.0	597293.5	812.1
Plum		3876.7	3.76%	180.0	697807.7	948.8
Pine		4353.8	4.22%	180.0	783685.3	1065.6
Palm		5321.2	5.16%	180.0	957823.8	1302.3
Pomelo		3350.3	3.25%	180.0	603058.4	820.0
Reach Total		103188.5	100.00%		18573932.2	<b>25254.7</b>
Reach 3	Graeser	1238.1	1.24%	180.0	222851.0	303.0
	Pepper	3264.7	3.26%	180.0	587638.4	799.0
	Township	3288.7	3.29%	180.0	591959.1	804.9
	Oat	2482.6	2.48%	180.0	446864.7	607.6
	Oasis	2452.5	2.45%	180.0	441450.1	600.2
	Orient	2727.0	2.72%	180.0	490855.6	667.4
	Occident	2893.5	2.89%	180.0	520833.6	708.2
	Holtville	81762.6	81.67%	180.0	14717267.2	20010.9
	Reach Total	100109.6	100.00%		18019719.7	<b>24501.2</b>
Reach 4	Olive	8135.3	6.24%	180.0	1464355.9	1991.1
	Oxalis	7167.3	5.50%	180.0	1290110.7	1754.1
	Orange	6029.2	4.63%	180.0	1085262.1	1475.6
	Rose	69307.4	53.20%	180.0	12475326.7	16962.5
	Ohmar	7331.9	5.63%	180.0	1319750.8	1794.4
	Oleander	6973.0	5.35%	180.0	1255133.0	1706.6
	Bryan	4594.1	3.53%	180.0	826941.9	1124.4
	Wores	1637.0	1.26%	180.0	294658.3	400.6
	Orita	5945.4	4.56%	180.0	1070179.0	1455.1
	Osage	5808.9	4.46%	180.0	1045597.5	1421.7

	Oak	5237.0	4.02%	180.0	942667.8	1281.7
	Wills	2120.0	1.63%	180.0	381595.2	518.8
	Reach Total	130286.5	100.00%		23451579.0	<b>31886.8</b>
Reach 5	Moss	4815.9	3.93%	180.0	866854.2	1178.7
	Magnolia	3590.0	2.93%	180.0	646199.8	878.6
	Moorehead	884.4	0.72%	180.0	159190.0	216.4
	Mesquite	22030.4	17.97%	180.0	3965470.6	5391.8
	Maple	6538.9	5.33%	180.0	1177010.1	1600.4
	Darling	5150.8	4.20%	180.0	927147.4	1260.6
	Mullen	6686.2	5.45%	180.0	1203516.8	1636.4
	Myrtle	4842.5	3.95%	180.0	871650.1	1185.2
	Munyon	5309.9	4.33%	180.0	955783.8	1299.6
	Mulberry	7720.5	6.30%	180.0	1389687.3	1889.5
	Lewis	2066.0	1.69%	180.0	371883.8	505.6
	Malva	5721.1	4.67%	180.0	1029791.3	1400.2
	Mayflower	5814.4	4.74%	180.0	1046589.7	1423.0
	Marigold	5641.8	4.60%	180.0	1015523.5	1380.8
	Jones	432.7	0.35%	180.0	77894.7	105.9
	Standard	6622.8	5.40%	180.0	1192101.1	1620.9
	Bailey	790.0	0.64%	180.0	142201.0	193.3
	Narcissus	5155.3	4.21%	180.0	927957.3	1261.7
	Nettle	7152.9	5.84%	180.0	1287520.2	1750.6
	Nutmeg	6813.4	5.56%	180.0	1226416.8	1667.5
	Nectarine	6618.1	5.40%	180.0	1191254.9	1619.7
	Rockwood	2186.1	1.78%	180.0	393492.0	535.0
	Reach Total	122584.1	100.00%		22065136.4	<b>30001.7</b>
Reach 6	C	11874.9	14.93%	180.0	2137476.1	2906.3
	Vail 1	764.7	0.96%	180.0	137645.7	187.2
	D	1575.5	1.98%	180.0	283594.0	385.6
	E	9264.5	11.65%	180.0	1667607.0	2267.4
	G	14553.4	18.29%	180.0	2619617.2	3561.9
	I	11558.4	14.53%	180.0	2080518.3	2828.9
	J	7022.2	8.83%	180.0	1263994.4	1718.6
	K	6987.3	8.78%	180.0	1257707.0	1710.1
	L	6110.4	7.68%	180.0	1099870.9	1495.5
	M	4715.5	5.93%	180.0	848795.3	1154.1
	N	4719.0	5.93%	180.0	849428.2	1155.0
	Vail 2	403.6	0.51%	180.0	72645.5	98.8
	(Includes Vail 1, Vail 2 & Vail 2A)					
	Reach Total	79549.4	100.00%		14318899.6	<b>19469.2</b>
	Direct Discharges to the Alamo River	31994.1	100.00%	180.0	5758932.8	<b>7830.3</b>
	International Boundary Flow	1435.6	100.00%	74.7	106197.4	145.7
	TOTAL LOAD ALLOCATIONS					<b>156,577</b>
	Natural Sources (Instream erosion, Wind Deposition, etc)	NA	NA	NA	NA	8737
	Margin of Safety	NA	NA	NA	NA	<b>8737</b>
	TOTAL ASSIMILATIVE CAPACITY					<b>174,052</b>