
APPENDIX C: SOURCE ANALYSIS DATA AND CALCULATIONS

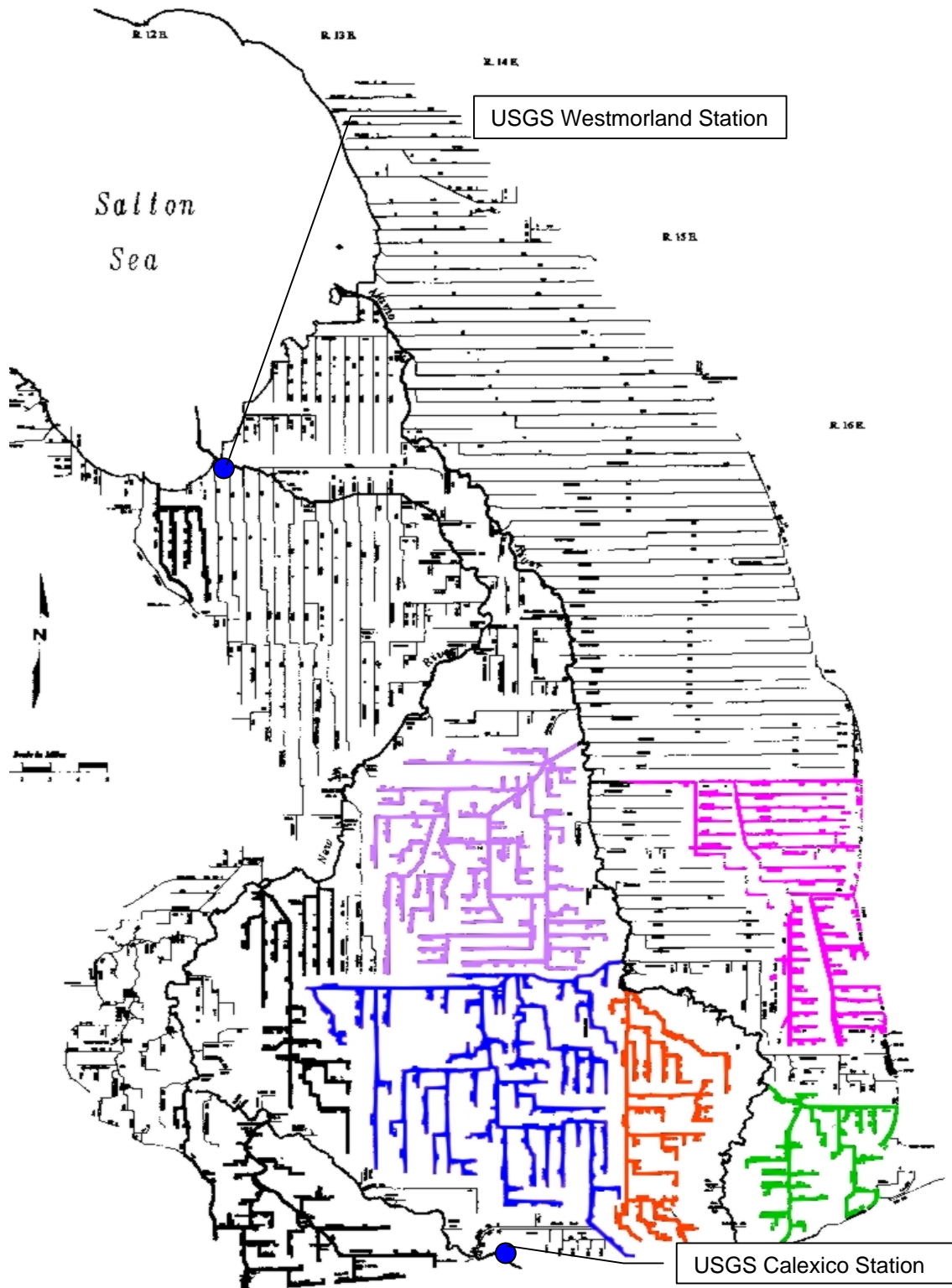


Figure C- 1: New River Watershed

Table C- 1: 1998 Crop Data

CROP	ACRES
ALFALFA (baled)	182,451
Pasture Crops: Alfalfa	109,471
WHEAT	55,504
SUDANGRASS HAY	55,045
BERMUDAGRASS HAY	42,059
SUGAR BEETS	31,475
BERMUDAGRASS SEED	29,383
ALFALFA SEED	26,462
CERTIFIED SEED	20,975
TOTAL CARROTS	18,550
Pasture Crops: Bermudagrass	16,824
TOTAL HEAD LETTUCE	14,766
MISC. FIELD CROPS	13,799
Pasture Crops: Sudangrass	13,761
TOTAL CANTALOPES	12,421
BROCCOLI (Market)	11,349
TOTAL ONIONS	10,962
COTTON (lint)	9,295
COTTON (seed)	9,259
LEAF LETTUCE	7,688
SWEET CORN (Fall & Spring)	5,921
Asparagus: Harvested	5,575
Pasture Crops: Misc. Pasture	4,444
MISC. VEGETABLES	4,332
CAULIFLOWER (Market)	3,943
ONION SEED	3,812
Lemons: Harvested	2,605
HONEYDEW & MISC. MELONS	2,293
POTATOES	2,109
Lemons: Non-Bearing	1,865
WATERMELONS	1,254
Dates: Harvested	1,013
Grapefruit: Harvested	951
MISC. FIELD, VEGETABLE & FLOWER SEED CROPS & NURSERY PRODUCTS	932
CABBAGE (Market)	908
Tomatoes: Market	863
SPRING MIX	616
Misc. Citrus, Fruit & Nut Crops: Harvested	519
Oranges: Harvested	515
Tangerines: Harvested	356
Oranges: Non-Bearing	254
Dates: Non-Bearing	227
Grapefruit: Non-Bearing	154
Misc. Citrus, Fruit & Nut Crops: Non-Bearing	152
Tangerines: Non-Bearing	60

Table C-1: 1998 Crop Data (cont.)

		%
TOTALS (FIELD CROPS)	389,628	0.67
TOTALS (Vegetables & Melon Crops)	103,550	0.18
TOTALS (Seed Crops & Nursery Products)	81,564	0.14
TOTALS (Fruit & Nut Crops)	5,959	0.01
SUM	580,701	

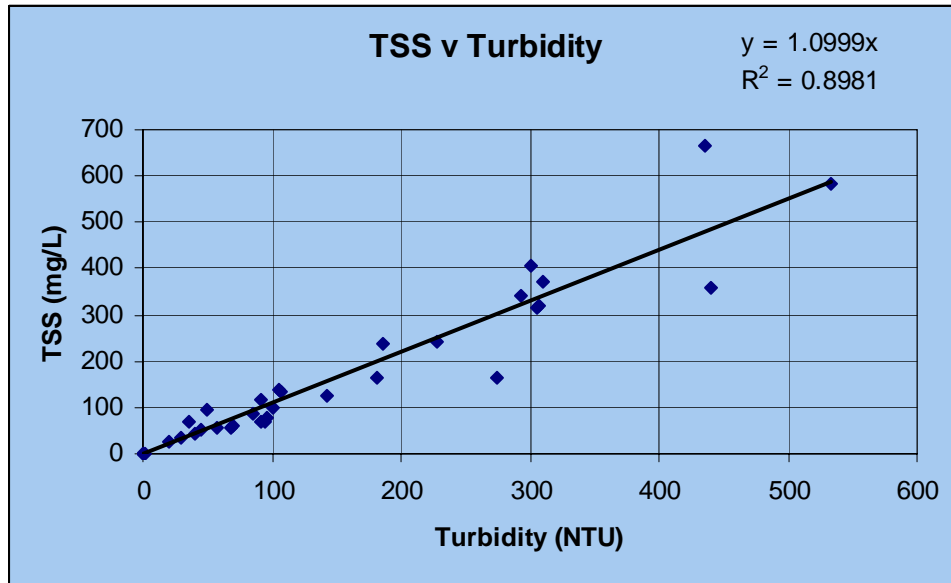


Figure C- 2: TSS/Turbidity Correlation from March, May, and June, 2001

Region 7 Sampling Events

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Table C- 2: Monthly Self Monitoring Report Data for NPDES Permitted Facilities in the New River Watershed

City of Calexico 1

Flow (acre-ft)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1995	127.86	102.68	117.97	119.13	122.44	117.66		99.99	127.97	111.02	116.10	154.88
1996	109.21	74.49	73.63						78.07	109.31	140.12	130.43
1997	211.29	228.57	186.18		205.21	143.99	186.94					142.13
1998	162.87	101.48	114.16	126.13	135.00	135.43	155.45	145.08	136.44	131.10	132.76	148.22
1999	142.61	120.64	218.05	241.45	254.96	242.78	252.11	200.45	204.54	202.45	194.84	187.51
2000	184.09	172.21	232.99	226.11	232.32	223.54	234.70	250.87	235.32	250.59	241.40	237.17
Average	156.32	133.35	157.16	178.21	189.99	172.68	207.30	174.10	156.47	160.89	165.04	166.72

TSS (mg/L)

1995	24.1	27	18	20.2	28	28.4		29.8	24	28.3	29.2	29.5
1996	29	27.4	27						28	27.8	18.2	19.7
1997	24.8	21	19		19.6	25.5	22.4			16.8		20
1998	20.6	10.2	27.2	18	24	16.7	23	21.2	14	17.2	11.3	18.8
1999	20.7	20.2	19.3	23.4	32.4	19.5	19.8	24.8	29.1	20.5	23.8	20
2000	20.4	24	20.1	31.4	24.2	33	29.3	30.2	25.3	28	22.8	22.1
Average	23.3	21.6	21.8	23.3	25.6	24.6	23.6	26.5	24.1	23.1	21.1	21.7

Monthly Loading (tons)

1995	4.19	3.77	2.89	3.27	4.66	4.54		4.05	4.18	4.27	4.61	6.21
1996	4.31	2.78	2.70						2.97	4.13	3.47	3.49
1997	7.12	6.53	4.81		5.47	4.99	5.69					3.87
1998	4.56	1.41	4.22	3.09	4.41	3.08	4.86	4.18	2.60	3.07	2.04	3.79
1999	4.01	3.31	5.72	7.68	11.23	6.44	6.79	6.76	8.09	5.64	6.31	5.10
2000	5.11	5.62	6.37	9.65	7.64	10.03	9.35	10.30	8.10	9.54	7.48	7.13
Average	4.88	3.90	4.45	5.92	6.68	5.82	6.67	6.32	5.19	5.33	4.78	4.93

Loading 64.89tons/year

Flow 2018.23ac-ft/yr

Table C-2: Monthly Self Monitoring Report Data for NPDES Permitted Facilities in the New River Watershed (cont.)

City of Calexico 2

Flow (acre-ft)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1995	70.69	62.81	69.54	53.95	48.52	56.25	55.56	67.26	67.21	76.01	62.88	52.04
1996	53.56	94.34	92.19	NA	213.58	153.38	217.86	170.77	143.44	111.21	93.72	93.61
1997	68.69	44.68	71.92	54.96	41.95	41.15	48.52			70.40		
1998	75.06	90.14	92.28	66.29	68.06	68.50	74.97	87.35	77.06	68.93		52.80
1999	64.97	63.42										
2000												
Average	66.59	71.08	81.48	58.40	93.03	79.82	99.23	108.46	95.90	81.64	78.30	66.15

TSS (mg/L)

1995	66.3	73.5	65.1	57.6	56	49.1	49	40.4	62	84.5	63.4	52.5
1996	32.6	46.3	47.7	52.5	69.4	70	81	65	79	80	87	69
1997	54.6	59.7	80.2	76	71.8	74.7	59.6			64.8		
1998	50	62.7	81.8	61	63.5	50.2	64	68	76.7	65.2	49	55.2
1999	52.7	59										
2000												
Average	51.2	60.2	68.7	61.8	65.2	61.0	63.4	57.8	72.6	73.6	66.5	58.9

Monthly Loading (tons)

1995	6.37	6.28	6.16	4.23	3.69	3.76	3.70	3.69	5.67	8.73	5.42	3.71
1996	2.37	5.94	5.98		20.15	14.60	23.99	15.09	15.41	12.10	11.09	8.78
1997	5.10	3.63	7.84	5.68	4.10	4.18	3.93			6.20		
1998	5.10	7.68	10.26	5.50	5.88	4.68	6.52	8.08	8.04	6.11		3.96
1999	4.66	5.09										
2000												
Average	4.72	5.72	7.56	5.13	8.46	6.80	9.54	8.95	9.70	8.29	8.25	5.49

Loading 88.62tons/year

Flow 980.08ac-ft/yr

Table C-2: Monthly Self Monitoring Report Data for NPDES Permitted Facilities in the New River Watershed (cont.)

City of Brawley

Flow (acre-ft)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1995	320.60	282.70	316.80	333.19	318.70	320.39	324.41	348.19	364.58	370.08	346.17	353.90
1996	350.10	325.73	328.22	334.20	336.78	342.07	349.15	348.19	352.61	352.95	341.57	349.15
1997	339.63	288.72	328.22	341.29	347.24	324.07	318.70	327.26	342.49	328.22	325.91	327.26
1998	310.14	301.61	326.31	336.23	324.41	317.63	332.02	346.29	359.06	371.98	359.98	355.80
1999	352.00	312.78	309.19	315.97	305.38	299.21	299.68	302.53	315.79	313.95	305.66	323.46
2000	318.70	296.36	310.14	330.14	328.22	306.58	314.90	315.85	317.63	327.26	300.14	309.19
Average	331.86	301.32	319.81	331.84	326.79	318.33	323.14	331.39	342.03	344.07	329.91	336.46

TSS (mg/L)

1995	30	39	35	36	49	46	21.1	24.5	26.6	38.9	32.9	27.3
1996	37	38	47	35	57	50.2	31	22	26	35	45	36
1997	33	37	50	41	47	43	29	28	23	32	46	49
1998	25	32	38	66	36	35	26	22	29	35	45	53
1999	28	33	34	42	39	37	35	28	30	30	38	40
2000	34	38	50	37	31	47	33	30.2	35	28	37	38
Average	31.2	36.2	42.3	42.8	43.2	43.0	29.2	25.8	28.3	33.2	40.7	40.6

Monthly Loading (tons)

1995	13.08	14.99	15.08	16.31	21.23	20.04	9.31	11.60	13.19	19.57	15.49	13.14
1996	17.61	16.83	20.98	15.90	26.10	23.35	14.72	10.42	12.47	16.80	20.90	17.09
1997	15.24	14.53	22.31	19.03	22.19	18.95	12.57	12.46	10.71	14.28	20.38	21.80
1998	10.54	13.12	16.86	30.17	15.88	15.12	11.74	10.36	14.16	17.70	22.03	25.64
1999	13.40	14.03	14.29	18.04	16.19	15.05	14.26	11.52	12.88	12.81	15.79	17.59
2000	14.73	15.31	21.08	16.61	13.83	19.59	14.13	12.97	15.12	12.46	15.10	15.98
Average	14.10	14.80	18.43	19.34	19.24	18.68	12.79	11.55	13.09	15.60	18.28	18.54

Loading 194.45tons/year

Flow 3936.94ac-ft/yr

Table C-2: Monthly Self Monitoring Report Data for NPDES Permitted Facilities in the New River Watershed (cont.)

City of Westmorland

Flow (acre-ft)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1995	10.93	11.68	18.11	25.13	28.81		27.91	27.84	29.52	38.04	37.89	30.68
1996	34.22	30.73	30.42	29.26	30.54	29.09	31.87	27.59	20.05	16.36	15.19	15.32
1997	20.17	15.38	16.55	15.65	11.04	12.89	13.79	13.22	12.98	16.27	17.77	18.55
1998	18.27	16.41	17.98	17.12	14.56	14.18	14.37	14.08	13.9	14.84	16.57	12.12
1999	19.98	14.09	14.65	14.73	15.23	14.36	14.37	14.08	13.81	15.22		20.45
2000	21.98	19.13	18.36	16.66	16.27	16.11	16.36	15.79	15.42	15.7	21.54	23.12
Average	20.9	17.9	19.3	19.8	19.4	17.3	19.8	18.8	17.6	19.4	21.8	20.0

TSS (mg/L)

1995	43.5	21.66	38	51.5	41.25		49.5	28.5	34.8	27.5	23.75	36.8
1996	33.25	48.3	29.75	43.75	44	53	32.5	35	64	43	37	32
1997	38	56	43.5	55	27.4	31.5	21	27.2	33	29.78	37.17	48.02
1998	48.34	45.32	43.22	19.44	30.62	56.1	26.64	34.05	29.1	33.4	47.95	32.56
1999	38.1	33.025	20.8	25.5	23	19	11	13	18	27.75		21
2000	19	22	26.5	14	14.2	17	12	18	33	24	17	10
Average	36.7	37.7	33.6	34.9	30.1	35.3	25.4	26.0	35.3	30.9	32.6	30.1

Monthly Loading (tons)

1995	0.65	0.34	0.94	1.76	1.62		1.88	1.08	1.40	1.42	1.22	1.54
1996	1.55	2.02	1.23	1.74	1.83	2.10	1.41	1.31	1.74	0.96	0.76	0.67
1997	1.04	1.17	0.98	1.17	0.41	0.55	0.39	0.49	0.58	0.66	0.90	1.21
1998	1.20	1.01	1.06	0.45	0.61	1.08	0.52	0.65	0.55	0.67	1.08	0.54
1999	1.04	0.63	0.41	0.51	0.48	0.37	0.21	0.25	0.34	0.57		0.58
2000	0.57	0.57	0.66	0.32	0.31	0.37	0.27	0.39	0.69	0.51	0.50	0.31
Average	1.01	0.96	0.88	0.99	0.88	0.89	0.78	0.69	0.88	0.80	0.89	0.81

Loading 10.47tons/year

Flow 232.06ac-ft/yr

Table C-2: Monthly Self Monitoring Report Data for NPDES Permitted Facilities in the New River Watershed (cont.)

Seeley County Water District

Flow (acre-ft)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1995	3.26	3.32	4.07	4.34	4.45	4.54	4.56	4.29	6.71	5.74	4.86	4.87
1996	5.38	4.28	4.92	5.13	5.68	8.92	9.77	8.93	8.84	7.5	7.88	9.35
1997	7.82	7.42	7.77	6.68	8.3	8.29	8.68	13.12	10.28	13.32	10.2	
1998	11.25	11.28	12.26	11.25	12.67	12.43	14.14	12.19	12.86		9.66	12.03
1999	9.71	9.6	10.12	7.88	7.73	10.41	10.84	11.55	10.97	11.1	10.81	12.12
2000	11.76	11.51	11.89	11.84	11.89	10.12	9.68	10.45	11.05	11.11	13	14.44
Average	8.2	7.9	8.5	7.9	8.5	9.1	9.6	10.1	10.1	9.8	9.4	10.6

TSS (mg/L)

1995	40.5	43	51	74	84	57	50	63	48	41	60	70
1996	55	41	65	65	52	28	40	45	72	57	65	56
1997	70	76	76	61	58	44	68	56	46	38	37	
1998	25	24	34	39	63	89	56	31	42	32	53	33
1999	40	23	44	50	50	25	32	26	26	25	28	43
2000	57	26	23	36	40	62	47	54	39	40	50	38
Average	47.9	38.8	48.8	54.2	57.8	50.8	48.8	45.8	45.5	38.8	48.8	48.0

Monthly Loading (tons)

1995	0.18	0.19	0.28	0.44	0.51	0.35	0.31	0.37	0.44	0.32	0.40	0.46
1996	0.40	0.24	0.43	0.45	0.40	0.34	0.53	0.55	0.87	0.58	0.70	0.71
1997	0.74	0.77	0.80	0.55	0.65	0.50	0.80	1.00	0.64	0.69	0.51	
1998	0.38	0.37	0.57	0.60	1.09	1.50	1.08	0.51	0.73		0.70	0.54
1999	0.53	0.30	0.61	0.54	0.53	0.35	0.47	0.41	0.39	0.38	0.41	0.71
2000	0.91	0.41	0.37	0.58	0.65	0.85	0.62	0.77	0.59	0.60	0.88	0.75
Average	0.52	0.38	0.51	0.53	0.64	0.65	0.64	0.60	0.61	0.51	0.60	0.63

Loading 6.82tons/year
 Flow 109.56ac-ft/yr

Table C-2: Monthly Self Monitoring Report Data for NPDES Permitted Facilities in the New River Watershed (cont.)

Date Garden MHP												
Flow (acre-ft)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1995	0.66	0.73	0.82	0.78	0.86	0.84	0.94	0.82	0.83	0.84	0.89	0.62
1996	0.62	0.66	0.78	0.71	0.83	0.87	0.92	0.84	0.70	0.73	0.71	0.62
1997	0.78	0.79	0.79	0.81	0.87	0.82	0.96	0.95	0.92	0.95	0.83	
1998		0.85	0.98	0.93	1.00	1.02	1.00	0.95	0.9	0.95	0.92	0.95
1999	0.92	0.91	1.01	0.94	0.93	0.99	1.06	1.06	1.02	1.00	0.94	0.77
2000	0.94	0.94	1.08	0.98	1.09	1.02	1.05	1.09	1.08	1.18	0.90	0.11
Average	0.78	0.81	0.91	0.86	0.93	0.93	0.99	0.95	0.91	0.94	0.87	0.61
TSS (mg/L)												
1995	4	12	11	12	9	10	5	5	4	5	8	7
1996	6	6	5	8	5	11	4	4	4	2	11	8
1997	7	12	7	4	12	7	5	4.8	4.5	7.5	8.8	
1998		9	13	5	9	15	10	8	4	4	7	19
1999	9	10	7	7	10	7.35	10	6	5	10	12	18
2000	14	18	14	6	12	11	9	5	6	5	7	15
Average	8.0	11.2	9.5	7.0	9.5	10.2	7.2	5.5	4.6	5.6	9.0	13.4
Monthly Loading (tons)												
1995	0.004	0.012	0.012	0.013	0.011	0.011	0.006	0.006	0.005	0.006	0.010	0.006
1996	0.005	0.005	0.005	0.008	0.006	0.013	0.005	0.005	0.004	0.002	0.011	0.007
1997	0.007	0.013	0.008	0.004	0.014	0.008	0.007	0.006	0.006	0.010	0.010	
1998		0.010	0.017	0.006	0.012	0.021	0.014	0.010	0.005	0.005	0.009	0.025
1999	0.011	0.012	0.010	0.009	0.013	0.010	0.014	0.009	0.007	0.014	0.015	0.019
2000	0.018	0.023	0.021	0.008	0.018	0.015	0.013	0.007	0.009	0.008	0.009	0.002
Average	0.009	0.013	0.012	0.008	0.012	0.013	0.010	0.007	0.006	0.007	0.010	0.012
Loading	0.119tons/year											
Flow	10.49ac-ft/yr											

Table C-2: Monthly Self Monitoring Report Data for NPDES Permitted Facilities in the New River Watershed (cont.)

McCabe Union School

Flow (acre-ft)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1995	0.14	0.13	0.14	0.14	0.14				0.14	0.14	0.14	
1996	0.14	0.13	0.14	0.14	0.14	0.14			0.14	0.14	0.14	0.14
1997	0.14	0.13	0.14	0.14	0.14	0.14			0.14	0.14	0.14	0.14
1998	0.14	0.13	0.14	0.14	0.14	0.14			0.14	0.14	0.14	0.14
1999	0.14	0.13	0.14	0.14	0.14	0.14			0.14	0.14	0.14	0.14
2000	0.14	0.13	0.14	0.14	0.14				0.14	0.14	0.14	0.17
Average	0.14	0.13	0.14	0.14	0.14	0.14			0.14	0.14	0.14	0.15

TSS (mg/L)

1995	16	5	5	12	12				14	6	7	
1996	6	27	22	18	5	10			11	9	5	7
1997	6	7	13	6	7	5			4	13	5	4
1998	21	6	11	4	4	8			5	6	13	12
1999	20	3	9	10	7	5			7	5	10	11
2000											13	7
Average	13.8	9.6	12.0	10.0	7.0	7.0			8.2	7.8	8.8	8.2

Monthly Loading (tons)

1995	0.003	0.001	0.001	0.002	0.002				0.003	0.001	0.001	
1996	0.001	0.005	0.004	0.003	0.001	0.002			0.002	0.002	0.001	0.001
1997	0.001	0.001	0.002	0.001	0.001	0.001			0.001	0.002	0.001	0.001
1998	0.004	0.001	0.002	0.001	0.001	0.002			0.001	0.001	0.002	0.002
1999	0.004	0.001	0.002	0.002	0.001	0.001			0.001	0.001	0.002	0.002
2000	0.000	0.000	0.000	0.000	0.000				0.000	0.000	0.002	0.002
Average	0.002	0.001	0.002	0.002	0.001	0.001			0.001	0.001	0.002	0.002

Loading 0.01537tons/year

Flow 1.40ac-ft/yr

Table C-2: Monthly Self Monitoring Report Data for NPDES Permitted Facilities in the New River Watershed (cont.)

Centinela State Prison												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1995	36.06	30.59	31.2	26.79	25.12	27.44	38.34	41.95	38.3	39.86	39.5	41.38
1996		37.82	38.91	35.17	39.01	43.09	49.66	44.24	42.99	50.71	49.07	46.43
1997	44.71	40.73	49.47	47.14	49.85	44.84	49.09	51.18	50.73	39.48	48.89	36.72
1998	27.21	24.06	37.1	39.96	45.47	49.35	54.42	46.14	56.53	62.31	53.4	56.7
1999	54.7	50.1	58.41	56.16	56.8	59.29	63.46	53.09	52.94	51.47	51.74	51.56
2000	54.32	47.35	52.32	49.81	53.38	54.87	65.83	65.26	61.96	63.17	50.73	59.94
Average	43.4	38.4	44.6	42.5	44.9	46.5	53.5	50.3	50.6	51.2	48.9	48.8
TSS (mg/L)												
1995	29	37.5	28.25	29.5	36.6	44.75	31.75	27.6	15.7	9.5	11	9.5
1996		26.25	24.25	39.2	92.25	50.2	38	34	24.6	30.75	30.75	11.6
1997	26	28	11.88	22.2	12.88	31.25	20.6	53	60.8	74.25	78	66.2
1998	66.5	58.5	57.8	74.5	72.25	75	63	34.5	65	76.8	49.25	55.2
1999	41	49.8	39.4	41	47.8	39.4	52	79	92	69	62.5	48.5
2000	45.9	28.38	28.95	34.75	67	93.5	57.5	52.25	37.25	83.2	74.5	48.8
Average	41.7	38.1	31.8	40.2	54.8	55.7	43.8	46.7	49.2	57.3	51.0	40.0
Monthly Loading (tons)												
1995	1.42	1.56	1.20	1.07	1.25	1.67	1.66	1.57	0.82	0.51	0.59	0.53
1996		1.25	2.07	4.41	2.66	2.23	2.30	1.48	1.80	2.12	0.77	0.73
1997	1.58	1.55	0.80	1.42	0.87	1.91	1.38	3.69	4.19	3.99	5.19	3.31
1998	2.46	1.91	2.92	4.05	4.47	5.03	4.66	2.16	5.00	6.51	3.58	4.26
1999	3.05	3.39	3.13	3.13	3.69	3.18	4.49	5.70	6.62	4.83	4.40	3.40
2000	3.39	1.83	2.06	2.35	4.86	6.98	5.15	4.64	3.14	7.15	5.14	3.98
Average	2.38	1.92	2.03	2.74	2.97	3.50	3.27	3.21	3.59	4.18	3.28	2.70
Loading	35.76tons/year											
Flow	563.53ac-ft/yr											

Table C-2: Monthly Self Monitoring Report Data for NPDES Permitted Facilities in the New River Watershed (cont.)

US Naval Facility

Flow (acre-ft)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1995	32.82	15.47	17.31	16.76	15.22	14.55	15.51	15.6	16.48	21.02		16.08
1996	15.89	18.33	20.56	25.04	15.79	15.28	17.12	14.27	14.8	10.46	9.21	8.75
1997	12.47	11.26	10.04	9.23	9.01	10.59		7.61		8.08		
1998	7.86	6.97	8.04	7.47	8.04		10.7	10.74	7.21	3.61	8.39	2.8
1999	6.91	7.15	6.88	7.51	6.12	5.87	6.64	6.4	5.29	6.26	5.67	13.13
2000	7.49	6.04	6.84	6.6	6.59	7.07	4.73	4.87	3.9	9.3	13.4	
Average	13.91	10.87	11.61	12.10	10.13	10.67	10.94	9.92	9.54	9.79	9.17	10.19

TSS (mg/L)

1995		5.5	3		22	25.8	21	23	25.3	8		37.5
1996	22.5	15.5	11.5	31.3	19.3	26.3		10.3	5.3	4.3	6.5	75
1997	14.5	20.5	19.8	29.4	24.5	75		8.8	29.6			
1998			29.5	41.8	56		26.8	12	14.3	12.5	14.5	21.3
1999	31.4	9.5	12	11.3	5.8	10.8	26	11.3	16.5	10.8	17	9
2000	26.9	27.5	13	5	5	8	5	9	6		8	
Average	23.8	15.7	14.8	23.8	22.1	29.2	19.7	12.4	16.2	8.9	11.5	35.7

Monthly Loading (tons)

1995		0.12	0.07		0.46	0.51	0.44	0.49	0.57	0.23		0.82
1996	0.49	0.39	0.32	1.07	0.41	0.55		0.20	0.11	0.06	0.08	0.89
1997	0.25	0.31	0.27	0.37	0.30	1.08		0.09				
1998			0.32	0.42	0.61		0.39	0.18	0.14	0.06	0.17	0.08
1999	0.30	0.09	0.11	0.12	0.05	0.09	0.23	0.10	0.12	0.09	0.13	0.16
2000	0.27	0.23	0.12	0.04	0.04	0.08	0.03	0.06	0.03		0.15	
Average	0.33	0.23	0.20	0.40	0.31	0.46	0.27	0.19	0.19	0.11	0.13	0.49

Loading 3.31 tons/year

Flow 128.83 ac-ft/yr

Table C- 3: New River Outlet TSS Data.

New River Outlet	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
IID												
1994												
1995												
1996	130	320	340	260	150	290	230	220	300	220	210	210
1997	210	300	250	310	260	190	270	210	460	220	240	120
1998	140	210	230									
1999												
Mean	160	277	273	285	205	240	250	215	380	220	225	165
Std Dev	43.6	58.6	58.6	35.4	77.8	70.7	28.3	7.1	113.1	0.0	21.2	63.6
Coef Var	0.27	0.21	0.21	0.12	0.38	0.29	0.11	0.03	0.30	0.00	0.09	0.39

Imperial Irrigation District 1996-1998

Table C- 4: New River at the International Boundary TSS Data

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
New River International Boundary												
CRWQCB Region 7												
1995						27.2		30	36	24	33	58
1996	137	25	20	20	18	16	36	25	33	38	51	35
1997	20	26	51	14	34	10	35	42	121	138	80	206
1998	36	99	51	45	81	67	52	54	14	59	72	54
1999	233	56	33	45	32	39	28	33	38			
2000		34	18	44	41	64	58	35	58.8	46	35.5	74
Mean	106.5	48.0	34.6	33.6	41.2	37.2	41.8	36.5	50.1	61.0	54.3	85.4
Std Dev	99.0	31.1	16.0	15.3	23.8	24.1	12.6	10.3	37.5	44.9	21.2	68.8
Coef Var	0.93	0.65	0.46	0.46	0.58	0.65	0.30	0.28	0.75	0.74	0.39	0.81

California Regional Water Quality Control Board - Region 7

Table C- 5: February 3, 2000 - Dredging Effects on TSS

Sample Location	TSS (mg/L)
200 Yards Downstream of Dredging	5950
200 Yards Downstream of Dredging	5210
200 Yards Downstream of Dredging	5380
Average	5513
100 Yards Upstream of Dredging	41
100 Yards Upstream of Dredging	29
100 Yards Upstream of Dredging	29
Average	33

Table C- 6: New River At International Boundary Loading Contribution

Flows (acre-ft)													
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Flow
1995	16847.5	12940.1	11682.6	11722.3	13035.3	11424.7	12174.5	9038.6	9044.6	10329.9	9818.1	14326.6	142384.9
1996	9961.0	11216.5	13035.3	11186.7	14941.4	9877.6	8669.7	8546.7	9699.1	7747.4	6426.4	6886.6	118194.6
1997	11129.2	11051.9	15248.9	13983.4	12727.9	11008.2	10391.4	12113.0	15233.0	12850.9	12317.3	19245.5	157300.5
1998	15617.8	17882.9	20844.2	19636.3	14203.6	13031.4	13096.8	15740.8	11900.8	12236.0	12376.8	13650.2	180217.4
1999	14634.0	13717.6	17708.4	17791.7	16540.1	14102.4	15556.3	16417.1	12912.3	13650.2	14399.9	16232.7	183662.7
2000	17032.0	14667.7	16417.1	14518.9	14388.0	12971.8	12174.5	12543.4	11067.7	11928.5	11662.8	13527.2	162899.8
												Average	157443.3
TSS	106.5	48.0	34.6	33.6	41.2	37.2	41.8	36.5	50.1	61.0	54.3	85.4	
Loading (acre-ft*mg/L)													Tons/year
1995	2439.6	844.5	549.6	535.5	730.2	577.9	691.9	448.6	616.5	856.8	724.9	1663.6	10679.7
1996	1442.4	732.0	613.2	511.1	837.0	499.6	492.7	424.2	661.1	642.6	474.5	799.7	8130.1
1997	1611.6	721.3	717.4	638.8	713.0	556.8	590.6	601.2	1038.4	1065.9	909.4	2234.7	11399.0
1998	2261.6	1167.1	980.6	897.1	795.7	659.1	744.4	781.2	811.2	1014.9	913.8	1585.0	12611.6
1999	2119.1	895.3	833.1	812.8	926.6	713.3	884.1	814.8	880.2	1132.2	1063.2	1884.9	12959.4
2000	2466.3	957.3	772.3	663.3	806.0	656.1	691.9	622.5	754.4	989.4	861.1	1570.7	11811.5
												Average	11265.2

Table C- 7: Major Drain Gauged Flows

Site/Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Fig Drain System												
1995	641.0	708.0	938.0	971.0	1060.0	1159.0	1189.0	1180.0	1032.0	804.0	689.0	684.0
1996	701.6	690.1	879.5	1001.9	950.3	981.0	945.3	871.2	777.7	774.4	627.8	619.8
1997	622.0	626.0	812.4	842.8	972.3	954.5	1002.3	969.9	866.6	887.4	870.2	692.4
1998	689.9	599.4	798.2	929.3	974.3	1006.8	976.9	1094.5	961.0	1007.4	920.7	675.2
1999	653.0	587.3	874.9	947.5	1037.6	1074.3	1036.6	1050.1	936.0	1114.5	940.0	820.0
2000	707.5	696.6	934.4	896.1	1013.6	949.1	974.9	1012.2	819.2	857.7	750.6	709.5
Mean	669.2	651.2	872.9	931.4	1001.4	1020.8	1020.8	1029.7	898.8	907.6	799.7	700.2
Std Dev	32.2	48.7	53.7	51.5	38.9	74.5	80.2	96.8	86.6	118.4	118.0	60.3
CV	0.05	0.07	0.06	0.06	0.04	0.07	0.08	0.09	0.10	0.13	0.15	0.09
Greeson Drain System												
1995	684.0	1415.0	2529.0	2607.0	2543.0	2436.0	1823.0	2034.0	1530.0	1979.0	1711.0	899.0
1996	1035.6	1293.0	1999.6	2369.9	2249.5	2194.5	1995.2	1995.8	1899.6	1785.5	1285.9	1172.8
1997	1232.5	1531.7	2348.7	2853.1	2845.9	2474.0	2569.6	2784.2	2252.5	2185.8	1633.4	1338.9
1998	1371.8	1370.2	2788.6	2850.3	2928.2	2441.5	2689.6	2522.8	2243.9	1969.2	1438.2	1190.1
1999	1256.7	1508.7	2463.1	2504.0	3036.5	2635.5	2257.6	2453.8	2220.3	2217.4	1506.7	1301.6
2000	1342.0	1625.7	2367.5	2854.5	3033.8	2501.2	1945.8	2298.9	2126.7	1884.9	1062.4	915.2
Mean	1153.8	1457.4	2416.1	2673.1	2772.8	2447.1	2213.5	2348.3	2045.5	2003.6	1439.6	1136.3
Std Dev	236.1	110.2	236.0	192.2	286.9	131.1	323.3	276.0	260.3	154.0	216.7	172.1
CV	0.20	0.08	0.10	0.07	0.10	0.05	0.15	0.12	0.13	0.08	0.15	0.15
Rice Drain System												
1995	123.0	149.0	440.0	511.0	521.0	844.0	552.0	580.0	448.0	576.0	116.0	98.0
1996	111.1	134.9	268.6	571.2	488.1	638.9	688.9	638.9	534.6	512.1	214.6	154.3
1997	133.7	213.0	405.6	498.1	517.1	559.9	649.0	636.5	569.5	453.0	201.5	93.8
1998	97.0	113.7	412.2	565.3	614.3	468.7	420.1	602.4	332.2	400.5	163.4	103.5
1999	95.4	169.6	391.5	344.1	511.7	644.4	423.9	543.9	476.0	274.3	131.1	37.3
2000	46.0	58.3	198.5	281.7	448.1	521.5	449.3	485.2	487.7	314.8	72.6	40.9
Mean	101.0	139.8	352.7	461.9	516.7	612.9	530.5	581.2	474.7	421.8	149.9	88.0
Std Dev	28.1	47.7	87.9	110.1	50.2	120.4	107.8	53.9	75.0	105.3	49.2	39.9
CV	0.28	0.34	0.25	0.24	0.10	0.20	0.20	0.09	0.16	0.25	0.33	0.45

Table C- 7: Major Drain Gauged Flows

Site/Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Rice 3 Drain System												
1995	755.0	1452.0	2227.0	2354.0	1848.0	2170.0	2121.0	2108.0	1552.0	1607.0	989.0	799.0
1996	1034.2	1117.7	1648.7	1904.4	1977.9	2130.1	2075.9	1813.9	1681.0	1524.3	1413.4	1324.2
1997	1149.6	1532.3	2058.3	2118.4	1985.1	1966.8	2102.5	2035.9	1950.8	1425.3	1445.6	1020.7
1998	1389.8	978.1	1822.6	1876.8	1929.0	1774.0	1896.8	1887.3	1257.1	1503.1	1015.4	1068.9
1999	1067.3	1049.7	1393.0	1430.3	1657.8	1681.2	1682.4	1416.4	1153.4		1177.6	1149.0
2000	1096.7	928.5	1306.9	1724.5	1919.4	1680.8	1715.3	1350.2	1161.7	1223.8	847.9	899.7
Mean	1082.1	1176.4	1742.8	1901.4	1886.2	1900.5	1932.3	1768.6	1459.3	1496.0	1148.2	1043.6
Std Dev	186.6	232.0	332.1	290.3	111.6	200.9	180.7	289.2	295.1	147.6	220.9	169.1
CV	0.17	0.20	0.19	0.15	0.06	0.11	0.09	0.16	0.20	0.10	0.19	0.16

Table C- 8: Irrigation Deliveries To Major Drain Area of Influence

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Fig Drain System												
1995	258.3	1014.8	1807.7	1777.4	2251.5	2382.7	2184	2131.9	1367.5	848.3	444.3	688.6
1996	988.5	917.1	2132.1	2291.5	1905.5	2238.2	1834	2025.7	1364	961.7	886.5	731.8
1997	898.2	947.5	1697.6	2170	2012.6	2328.4	2099	1862.4	868.3	1402.9	933.1	491.4
1998	878.4	465.6	1820.3	2040.2	2395	2188.2	1915.3	1970.9	1517.6	1233.4	883.4	746.6
1999	849	596.6	2042.5	1776.1	1902.6	1898.2	2066.8	1908.5	1583.4	1026.5	692.3	854.5
2000	940.9	1193.4	2134.3	2058	2438.4	2087.1	2112.8	2094	1606.6	1405.4	954.2	704.4
Mean	802.2	855.8	1939.1	2018.9	2150.9	2187.1	2035.3	1998.9	1384.6	1146.4	799.0	702.9
STDEV	247.3	248.6	171.1	189.9	221.1	160.4	121.2	95.8	249.6	215.2	179.8	108.5
CV	0.31	0.29	0.09	0.09	0.10	0.07	0.06	0.05	0.18	0.19	0.23	0.15
Greeson Drain System												
1995	1123.4	5539.5	10838.9	10936	12984.4	12325.8	12795.1	11145.8	7036.1	8323	3584.5	3112.4
1996	4449.3	5837.9	10416.1	12559.2	11947.6	11092.2	11398.6	10595.4	7915.8	7091.3	4628.5	3995.2
1997	4152.8	6493.3	11031	12645.9	12340.6	11189.8	12796.6	12361.8	5441	7166.2	4607.3	3120.5
1998	3554.1	3450.8	10440.6	11632	11898.7	11219.5	13374.7	10527.6	8936	6496.3	4428.5	3511.4
1999	4029.3	5971.6	9986.8	10122.3	12913.1	11558.2	11181.9	10362	8633.6	5394.1	3860.4	3966.7
2000	4124.6	6524.1	9400.3	12367.1	13005.6	12209.3	12266.9	11043.5	8650.7	7031.8	3877.4	3220.7
Mean	3572.3	5636.2	10352.3	11710.4	12515.0	11599.1	12302.3	11006.0	7768.9	6917.1	4164.4	3487.8
STDEV	1126.8	1037.7	539.9	926.9	474.6	495.1	786.4	667.3	1215.5	873.6	406.7	372.9
CV	0.32	0.18	0.05	0.08	0.04	0.04	0.06	0.06	0.16	0.13	0.10	0.11
Rice Drain System												
1995	57.8	802.7	2230.9	2446.6	2721.7	2864	2798.9	2822.9	1994.9	1440.3	271	486.1
1996	487.4	564.4	2091.4	2758	2815	3063.2	2881	3062.9	2084.6	1839.4	731.4	636.2
1997	424.9	1274.2	2160.8	2533.1	2479.4	2956.3	2994	3030.1	1792.3	1467.9	627.6	413.7
1998	411.2	445	1945.2	2566.9	2692.1	2545.3	2764.3	2853.1	1646.8	1955.3	460.3	441.7
1999	311.5	903.2	1698.7	1970.8	2602.8	3292.6	2574.1	2763.9	1970.1	1250.3	532.6	376.4
2000	240.7	526.2	1800.1	2443	3318.2	3363	3129.4	2838.3	2218.8	1503.6	391.8	163.1
Mean	322.3	752.6	1987.9	2453.1	2771.5	3014.1	2857.0	2895.2	1951.3	1576.1	502.5	419.5
STDEV	142.8	282.4	191.7	239.8	265.6	273.1	175.9	110.9	186.9	243.1	150.9	141.1
CV	0.44	0.38	0.10	0.10	0.10	0.09	0.06	0.04	0.10	0.15	0.30	0.34

Table C- 8: Irrigation Deliveries To Major Drain Area of Influence

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Rice 3 Drain System												
1995	315.9	4169.3	7865.7	8592	8998.3	10051.4	9875.6	9102.7	5321.3	4628.2	3059.2	2498.8
1996	3236.4	3982.8	8193.7	8686.2	8476.1	9816.3	8872	7990.7	6496.6	5389	3833.4	3670.5
1997	2939.5	5504.6	8786.6	9262.9	8454.2	10138.8	10367.4	9470.2	5489.1	4963.8	3701.3	2246.4
1998	3445.1	1990.7	7190.6	9046.6	8669.1	8614.6	9796.7	8304.3	5416.4	6089.3	3270.4	3157.9
1999	2973.1	3802.6	6736.6	7512.6	9677.3	9064.8	9031.7	7063.2	5392.6	6187.4	2938.7	2736
2000	2483.7	3853.8	6591.8	9022	10481.4	9175.9	9204.5	7022.1	5415.5	6014.4	3719.6	2520.4
Mean	2565.6	3884.0	7560.8	8687.1	9126.1	9477.0	9524.7	8158.9	5588.6	5545.4	3420.4	2805.0
STDEV	1048.6	1025.5	790.7	571.8	734.8	560.9	529.0	926.7	409.0	596.1	347.4	477.0
CV	0.41	0.26	0.10	0.07	0.08	0.06	0.06	0.11	0.07	0.11	0.10	0.17

Table C- 9: Major Drain Flows/Irrigation Delivery Ratios and Statistics

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Fig Drain System												
1995		0.6977		0.5463	0.4708	0.4864	0.5444	0.5535	0.7547	0.9478		
1996	0.7098	0.7525	0.4125	0.4372	0.4987	0.4383	0.5154		0.5702	0.8052	0.7082	0.8470
1997	0.6925	0.6607	0.4786	0.3884	0.4831	0.4099	0.4775	0.5208		0.6325		
1998	0.7854		0.4385	0.4555	0.4068	0.4601	0.5101	0.5553	0.6332	0.8168		0.9044
1999	0.7691	0.9844	0.4283	0.5335	0.5454		0.5015	0.5502	0.5911	1.0857		0.9596
2000	0.7519	0.5837	0.4378	0.4354	0.4157	0.4547	0.4614	0.4834	0.5099	0.6103	0.7866	
Mean	0.7417	0.7358	0.4391	0.4661	0.4701	0.4499	0.5017	0.5326	0.6118	0.8164	0.7474	0.9036
STDEV	0.0352	0.1359	0.0218	0.0561	0.0476	0.0253	0.0267	0.0277	0.0817	0.1664	0.0392	0.0460
CV	0.0475	0.1847	0.0497	0.1204	0.1014	0.0562	0.0533	0.0519	0.1336	0.2039	0.0525	0.0509
Greeson Drain System												
1995		0.2554	0.2333	0.2384	0.1959	0.1976	0.1425	0.1825	0.2175	0.2378		0.2888
1996	0.2328	0.2215	0.1920		0.1883	0.1978	0.1750	0.1884	0.2400	0.2518	0.2778	0.2936
1997	0.2968	0.2359	0.2129	0.2256	0.2306	0.2211	0.2008	0.2252		0.3050	0.3545	
1998	0.3860		0.2671	0.2450	0.2461	0.2176	0.2011	0.2396	0.2511	0.3031	0.3248	0.3389
1999	0.3119	0.2526	0.2466	0.2474	0.2351	0.2280	0.2019	0.2368	0.2572		0.3903	0.3281
2000	0.3254	0.2492	0.2519	0.2308	0.2333	0.2049	0.1586	0.2082	0.2458	0.2681	0.2740	0.2842
Mean	0.3106	0.2429	0.2340	0.2374	0.2215	0.2112	0.1800	0.2134	0.2423	0.2732	0.3243	0.3067
STDEV	0.0493	0.0126	0.0251	0.0083	0.0215	0.0117	0.0233	0.0223	0.0137	0.0270	0.0446	0.0223
CV	0.1587	0.0521	0.1073	0.0348	0.0971	0.0555	0.1292	0.1045	0.0564	0.0989	0.1376	0.0729
Rice Drain System												
1995		0.1856	0.1972	0.2089	0.1914		0.1972	0.2055	0.2246		0.4280	0.2016
1996	0.2279	0.2390	0.1284	0.2071	0.1734	0.2086	0.2391	0.2086	0.2565	0.2784	0.2934	0.2425
1997	0.3147	0.1672	0.1877	0.1966	0.2086	0.1894	0.2168	0.2101		0.3086	0.3211	0.2267
1998	0.2359	0.2555	0.2119	0.2202	0.2282	0.1841	0.1520	0.2111	0.2017	0.2048	0.3550	0.2343
1999	0.3063	0.1878	0.2305	0.1746	0.1966	0.1957	0.1647	0.1968	0.2416	0.2194	0.2462	
2000	0.1911	0.1108	0.1103			0.1551	0.1436		0.2198	0.2094	0.1853	0.2508
Mean	0.2552	0.1910	0.1777	0.2015	0.1996	0.1866	0.1856	0.2064	0.2288	0.2441	0.3048	0.2312
STDEV	0.0477	0.0474	0.0436	0.0154	0.0182	0.0177	0.0349	0.0052	0.0188	0.0417	0.0773	0.0168
CV	0.1868	0.2484	0.2454	0.0764	0.0913	0.0951	0.1880	0.0251	0.0820	0.1708	0.2535	0.0728

Table C- 9: Major Drain Flows/Irrigation Delivery Ratios and Statistics

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1994		0.3483			0.2054	0.2159	0.2148	0.2316	0.2917	0.3472	0.3233	0.3198
1995	0.3196	0.2806	0.2012	0.2192	0.2334	0.2170		0.2270	0.2588	0.2829	0.3687	0.3608
1996	0.3911	0.2784	0.2343	0.2287	0.2348	0.1940	0.2028	0.2150		0.2871	0.3906	0.4544
1997	0.4034		0.2535	0.2075	0.2225	0.2059	0.1936	0.2273	0.2321	0.2468	0.3105	0.3385
1998	0.3590	0.2760	0.2068	0.1904	0.1713	0.1855	0.1863	0.2005	0.2139		0.4007	0.4200
1999	0.4416	0.2409	0.1983	0.1911	0.1831	0.1832	0.1864	0.1923	0.2145	0.2035		0.3570
Mean	0.3829	0.2848	0.2188	0.2074	0.2084	0.2002	0.1968	0.2156	0.2422	0.2735	0.3588	0.3751
Std Dev	0.0413	0.0349	0.0215	0.0151	0.0243	0.0136	0.0109	0.0147	0.0296	0.0476	0.0359	0.0470
CV	0.1078	0.1225	0.0984	0.0731	0.1166	0.0678	0.0552	0.0681	0.1224	0.1740	0.1002	0.1252

Table C- 10: Major Drain Completed Flows

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Fig Drain System												
1995	641.0	708.0	938.0	971.0	1060.0	1159.0	1189.0	1180.0	1032.0	804.0	689.0	684.0
1996	701.6	690.1	879.5	1001.9	950.3	981.0	945.3	871.2	777.7	774.4	627.8	619.8
1997	622.0	626.0	812.4	842.8	972.3	954.5	1002.3	969.9	866.6	887.4	870.2	692.4
1998	689.9	599.4	798.2	929.3	974.3	1006.8	976.9	1094.5	961.0	1007.4	920.7	675.2
1999	653.0	587.3	874.9	947.5	1037.6	1074.3	1036.6	1050.1	936.0	1114.5	940.0	820.0
2000	707.5	696.6	934.4	896.1	1013.6	949.1	974.9	1012.2	819.2	857.7	750.6	709.5
Mean	669.2	651.2	872.9	931.4	1001.4	1020.8	1020.8	1029.7	898.8	907.6	799.7	700.2
Std Dev	32.2	48.7	53.7	51.5	38.9	74.5	80.2	96.8	86.6	118.4	118.0	60.3
CV	0.05	0.07	0.06	0.06	0.04	0.07	0.08	0.09	0.10	0.13	0.15	0.09
Greeson Drain System												
1995	684.0	1415.0	2529.0	2607.0	2543.0	2436.0	1823.0	2034.0	1530.0	1979.0	1711.0	899.0
1996	1035.6	1293.0	1999.6	2369.9	2249.5	2194.5	1995.2	1995.8	1899.6	1785.5	1285.9	1172.8
1997	1232.5	1531.7	2348.7	2853.1	2845.9	2474.0	2569.6	2784.2	2252.5	2185.8	1633.4	1338.9
1998	1371.8	1370.2	2788.6	2850.3	2928.2	2441.5	2689.6	2522.8	2243.9	1969.2	1438.2	1190.1
1999	1256.7	1508.7	2463.1	2504.0	3036.5	2635.5	2257.6	2453.8	2220.3	2217.4	1506.7	1301.6
2000	1342.0	1625.7	2367.5	2854.5	3033.8	2501.2	1945.8	2298.9	2126.7	1884.9	1062.4	915.2
Mean	1153.8	1457.4	2416.1	2673.1	2772.8	2447.1	2213.5	2348.3	2045.5	2003.6	1439.6	1136.3
Std Dev	236.1	110.2	236.0	192.2	286.9	131.1	323.3	276.0	260.3	154.0	216.7	172.1
CV	0.20	0.08	0.10	0.07	0.10	0.05	0.15	0.12	0.13	0.08	0.15	0.15
Rice Drain System												
1995	123.0	149.0	440.0	511.0	521.0	844.0	552.0	580.0	448.0	576.0	116.0	98.0
1996	111.1	134.9	268.6	571.2	488.1	638.9	688.9	638.9	534.6	512.1	214.6	154.3
1997	133.7	213.0	405.6	498.1	517.1	559.9	649.0	636.5	569.5	453.0	201.5	93.8
1998	97.0	113.7	412.2	565.3	614.3	468.7	420.1	602.4	332.2	400.5	163.4	103.5
1999	95.4	169.6	391.5	344.1	511.7	644.4	423.9	543.9	476.0	274.3	131.1	37.3
2000	46.0	58.3	198.5	281.7	448.1	521.5	449.3	485.2	487.7	314.8	72.6	40.9
Mean	101.0	139.8	352.7	461.9	516.7	612.9	530.5	581.2	474.7	421.8	149.9	88.0
Std Dev	28.1	47.7	87.9	110.1	50.2	120.4	107.8	53.9	75.0	105.3	49.2	39.9
CV	0.28	0.34	0.25	0.24	0.10	0.20	0.20	0.09	0.16	0.25	0.33	0.45

Table C- 10: Major Drain Completed Flows

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Rice 3 Drain System												
1995	755.0	1452.0	2227.0	2354.0	1848.0	2170.0	2121.0	2108.0	1552.0	1607.0	989.0	799.0
1996	1034.2	1117.7	1648.7	1904.4	1977.9	2130.1	2075.9	1813.9	1681.0	1524.3	1413.4	1324.2
1997	1149.6	1532.3	2058.3	2118.4	1985.1	1966.8	2102.5	2035.9	1950.8	1425.3	1445.6	1020.7
1998	1389.8	978.1	1822.6	1876.8	1929.0	1774.0	1896.8	1887.3	1257.1	1503.1	1015.4	1068.9
1999	1067.3	1049.7	1393.0	1430.3	1657.8	1681.2	1682.4	1416.4	1153.4	1692.3	1177.6	1149.0
2000	1096.7	928.5	1306.9	1724.5	1919.4	1680.8	1715.3	1350.2	1161.7	1223.8	847.9	899.7
Mean	1082.1	1176.4	1742.8	1901.4	1886.2	1900.5	1932.3	1768.6	1459.3	1496.0	1148.2	1043.6
Std Dev	186.6	232.0	332.1	290.3	111.6	200.9	180.7	289.2	295.1	147.6	220.9	169.1
CV	0.17	0.20	0.19	0.15	0.06	0.11	0.09	0.16	0.20	0.10	0.19	0.16

Table C- 11: Water Balance – Minor Drain Flow Determination

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
New River Flows													
1995	32834.2	33155.6	44578.3	48019.6	46054.0	41771.7	41749.9	39474.9	35345.3	37015.4	29930.5	32649.8	462579.3
1996	30989.6	33710.9	45131.7	46413.0	45992.5	39272.6	37814.7	36154.6	36059.4	35724.2	29871.0	27792.3	444926.5
1997	30743.7	35043.8	47898.6	47067.6	43902.0	39272.6	40335.7	42672.2	43437.8	39413.4	35999.9	36892.4	482679.7
1998	36216.1	34099.7	50973.0	52601.4	45992.5	37785.0	41995.9	43287.1	36059.4	40335.7	35107.3	34863.3	489316.4
1999	36462.0	34210.8	49005.4	48019.6	48390.5	41652.7	40520.2	41135.0	36059.4	40581.7	35999.9	36953.9	488991.1
2000	36523.5	33877.5	44639.8	45520.5	44947.3	39153.6	38245.1	37691.7	34690.8	39106.0	32251.1	32895.7	459542.6
Major Drain Flows (Gauged & Calculated)													
1995	2203.0	3724.0	6134.0	6443.0	5972.0	6609.0	5685.0	5902.0	4562.0	4966.0	3505.0	2480.0	58185.0
1996	2882.5	3235.7	4796.4	5847.4	5665.8	5944.5	5705.3	5319.8	4892.9	4596.3	3541.7	3271.1	55699.4
1997	3137.8	3903.0	5625.0	6312.4	6320.4	5955.2	6323.4	6426.5	5639.4	4951.5	4150.7	3145.8	61891.1
1998	3548.5	3061.4	5821.6	6221.7	6445.8	5691.0	5983.4	6107.0	4794.2	4880.2	3537.7	3037.7	59130.2
1999	3072.4	3315.3	5122.5	5225.9	6243.6	6035.4	5400.5	5464.2	4785.7	5298.5	3755.4	3307.9	57027.3
2000	3192.2	3309.1	4807.3	5756.8	6414.9	5652.6	5085.3	5146.5	4595.3	4281.2	2733.5	2565.3	53540.0
Gauged Minor Drain Flows													
Incomplete Record													
1995	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996	859.5	993.9	1658.0	1971.8	1157.0	950.9	960.4	993.5	886.8	846.2	978.3	957.0	13213.3
1997	892.6	1113.7	1426.1	1318.0	1336.3	1091.0	1103.4	1043.0	925.5	1086.6	901.7	679.2	12917.1
1998	720.4	504.6	1216.3	1473.3	1343.8	923.9	847.5	802.1	690.2	992.3	871.0	747.6	11133.0
1999	689.5	716.2	1313.1	1033.3	324.1	245.4	253.7	316.8	211.2	295.3	216.0	259.0	5873.6
2000	264.4	258.8	336.4	363.6	404.2	296.1	205.9	168.0	182.3	846.9	722.6	720.0	4769.2
New River International Boundary Flows													
1995	16847.5	12940.1	11682.6	11722.3	13035.3	11424.7	12174.5	9038.6	9044.6	10329.9	9818.1	14326.6	142384.9
1996	9961.0	11216.5	13035.3	11186.7	14941.4	9877.6	8669.7	8546.7	9699.1	7747.4	6426.4	6886.6	118194.6
1997	11129.2	11051.9	15248.9	13983.4	12727.9	11008.2	10391.4	12113.0	15233.0	12850.9	12317.3	19245.5	157300.5
1998	15617.8	17882.9	20844.2	19636.3	14203.6	13031.4	13096.8	15740.8	11900.8	12236.0	12376.8	13650.2	180217.4
1999	14634.0	13717.6	17708.4	17791.7	16540.1	14102.4	15556.3	16417.1	12912.3	13650.2	14399.9	16232.7	183662.7
2000	17032.0	14667.7	16417.1	14518.9	14388.0	12971.8	12174.5	12543.4	11067.7	11928.5	11662.8	13527.2	162899.8
City of Calexico 1, New River													
1995	127.9	102.7	118.0	119.1	122.4	117.7		100.0	128.0	111.0	116.1	154.9	1317.7
1996	109.2	74.5	73.6						78.1	109.3	140.1	130.4	715.3
1997	211.3	228.6	186.2		205.2	144.0	186.9					142.1	1304.3
1998	162.9	101.5	114.2	126.1	135.0	135.4	155.5	145.1	136.4	131.1	132.8	148.2	1624.1

Table C- 11: Water Balance – Minor Drain Flow Determination

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
1999	142.6	120.6	218.1	241.5	255.0	242.8	252.1	200.5	204.5	202.5	194.8	187.5	2462.4
2000	184.1	172.2	233.0	226.1	232.3	223.5	234.7	250.9	235.3	250.6	241.4	237.2	2721.3
City of Callexico 2, New River													
1995	70.7	62.8	69.5	54.0	48.5	56.3	55.6	67.3	67.2	76.0	62.9	52.0	742.7
1996	53.6	94.3	92.2		213.6	153.4	217.9	170.8	143.4	111.2	93.7	93.6	1437.7
1997	68.7	44.7	71.9	55.0	42.0	41.2	48.5			70.4			442.3
1998	75.1	90.1	92.3	66.3	68.1	68.5	75.0	87.4	77.1	68.9		52.8	821.4
1999	65.0	63.4											128.4
2000													0.0
City of Brawley, New River													
1995	320.6	282.7	316.8	333.2	318.7	320.4	324.4	348.2	364.6	370.1	346.2	353.9	3999.7
1996	350.1	325.7	328.2	334.2	336.8	342.1	349.2	348.2	352.6	353.0	341.6	349.2	4110.7
1997	339.6	288.7	328.2	341.3	347.2	324.1	318.7	327.3	342.5	328.2	325.9	327.3	3939.0
1998	310.1	301.6	326.3	336.2	324.4	317.6	332.0	346.3	359.1	372.0	360.0	355.8	4041.5
1999	352.0	312.8	309.2	316.0	305.4	299.2	299.7	302.5	315.8	314.0	305.7	323.5	3755.6
2000	318.7	296.4	310.1	330.1	328.2	306.6	314.9	315.9	317.6	327.3	300.1	309.2	3775.1
City of Westmorland, Trifolium 6 Drain													
1995	10.9	11.7	18.1	25.1	28.8		27.9	27.8	29.5	38.0	37.9	30.7	286.5
1996	34.2	30.7	30.4	29.3	30.5	29.1	31.9	27.6	20.1	16.4	15.2	15.3	310.6
1997	20.2	15.4	16.6	15.7	11.0	12.9	13.8	13.2	13.0	16.3	17.8	18.6	184.3
1998	18.3	16.4	18.0	17.1	14.6	14.2	14.4	14.1	13.9	14.8	16.6	12.1	184.4
1999	20.0	14.1	14.7	14.7	15.2	14.4	14.4	14.1	13.8	15.2		20.5	171.0
2000	22.0	19.1	18.4	16.7	16.3	16.1	16.4	15.8	15.4	15.7	21.5	23.1	216.4
Seeley County Water District, New River													
1995	3.3	3.3	4.1	4.3	4.5	4.5	4.6	4.3	6.7	5.7	4.9	4.9	55.0
1996	5.4	4.3	4.9	5.1	5.7	8.9	9.8	8.9	8.8	7.5	7.9	9.4	86.6
1997	7.8	7.4	7.8	6.7	8.3	8.3	8.7	13.1	10.3	13.3	10.2		101.9
1998	11.3	11.3	12.3	11.3	12.7	12.4	14.1	12.2	12.9		9.7	12.0	132.0
1999	9.7	9.6	10.1	7.9	7.7	10.4	10.8	11.6	11.0	11.1	10.8	12.1	122.8
2000	11.8	11.5	11.9	11.8	11.9	10.1	9.7	10.5	11.1	11.1	13.0	14.4	138.7
US Naval Facility, New River													
1995	32.8	15.5	17.3	16.8	15.2	14.6	15.5	15.6	16.5	21.0		16.1	196.8
1996	15.9	18.3	20.6	25.0	15.8	15.3	17.1	14.3	14.8	10.5	9.2	8.8	185.5
1997	12.5	11.3	10.0	9.2	9.0	10.6		7.6		8.1			78.3

Table C- 11: Water Balance – Minor Drain Flow Determination

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
1998	7.9	7.0	8.0	7.5	8.0		10.7	10.7	7.2	3.6	8.4	2.8	81.8
1999	6.9	7.2	6.9	7.5	6.1	5.9	6.6	6.4	5.3	6.3	5.7	13.1	83.8
2000	7.5	6.0	6.8	6.6	6.6	7.1	4.7	4.9	3.9	9.3	13.4		76.8
New River less Gaged and NPDES Flows = Flow to be Distributed						(Total Ungaged Flow - Minor Drains)							
1995	13217.6	16012.8	26217.9	29301.9	26508.6	23224.6	23462.5	23971.1	21126.2	21097.6	16039.4	15230.8	255410.9
1996	16718.3	17717.0	25092.1	27013.5	23625.9	21950.8	21853.5	20724.8	19962.7	21926.5	18316.8	16071.0	250972.8
1997	14924.0	18379.2	24978.0	25026.0	22894.6	20677.2	21940.9	22728.5	21274.2	20088.1	18276.3	13333.9	244521.0
1998	15743.9	12122.9	22519.9	24705.7	23436.6	17590.5	21466.5	20021.5	18067.6	21636.8	17794.4	16844.1	231950.4
1999	17469.9	15934.0	24302.6	23381.2	24693.3	20696.9	18726.0	18401.9	17599.7	20788.7	17111.5	16597.7	235703.4
2000	15490.9	15136.7	22498.8	24289.8	23144.8	19669.6	20199.1	19236.0	18262.1	21435.4	16542.8	15499.3	231405.1

Table C- 12: Monthly Irrigation Deliveries to Minor Drain Areas of Influence (acre-ft)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
All-American 10	1995	273.3	363.7	604.8	983.0	1100.0	964.3	949.7	1467.4	906.4	794.6	418.7	632.6
	1996	494.5	447.7	817.4	1028.4	746.6	786.0	942.1	947.2	903.7	779.3	571.9	454.0
	1997	591.4	392.4	800.4	972.8	940.2	702.9	1003.6	922.1	698.4	683.1	599.5	456.6
	1998	506.2	340.2	620.1	909.2	935.4	924.7	1062.4	930.3	892.6	582.7	678.5	480.7
	1999	503.9	485.3	751.1	846.0	1026.5	1195.4	1006.8	1099.3	672.8	785.2	434.8	561.8
	2000	567.7	590.2	641.9	696.2	1278.4	1160.3	1056.1	967.6	618.2	451.4	691.7	360.1
All-American 14	1995	6.4	4.0	8.8	8.0	7.2	8.4	9.6	6.4	9.2	9.2	4.0	9.6
	1996	8.0	8.8	7.2	9.2	8.0	6.8	4.4	8.8	8.4	9.6	8.4	9.2
	1997	5.2	8.4	8.0	9.2	9.6	8.8	9.2	9.2	7.6	9.2	9.2	9.2
	1998	9.6	4.0	7.2	4.4	6.4	8.8	8.8	6.8	8.0	10.0	9.2	9.6
	1999	4.4	6.0	9.2	9.2	4.4	9.2	10.0	9.2	9.2	8.4	6.0	8.0
	2000	9.2	8.8	5.6	9.2	8.8	4.0	9.2	8.8	8.8	9.2	8.8	9.6
All-American 9	1995	3.2	134.0	530.2	408.4	567.3	756.8	574.7	664.2	529.1	530.4	141.1	4.0
	1996	149.1	147.6	463.5	689.0	675.1	635.3	677.2	738.7	570.2	432.8	124.5	36.2
	1997	120.2	144.5	521.5	632.4	862.4	599.5	787.1	561.6	503.4	320.4	235.8	75.7
	1998	78.2	173.1	364.0	473.4	767.1	429.5	364.6	733.0	89.4	586.1	215.3	167.8
	1999	131.4	317.4	376.2	582.8	307.6	288.7	266.4	240.4	404.9	310.3	119.5	206.9
	2000	3.2	281.0	364.9	536.6	586.0	343.8	415.1	492.2	33.4	320.8	124.0	5.0
Baughman	1995	91.6	124.4	425.0	464.1	525.2	568.0	552.9	471.7	315.9	230.5	287.5	127.8
	1996	233.3	231.3	440.2	356.2	492.9	420.5	289.5	483.3	166.2	366.1	195.3	156.0
	1997	116.7	282.4	321.3	333.9	382.4	567.2	617.4	157.2	110.6	133.2	136.8	233.9
	1998	293.3	57.8	386.0	410.6	329.0	219.7	356.4	361.6	97.1	350.9	235.5	214.3
	1999	154.1	269.4	350.5	240.0	453.6	515.4	429.4	322.9	218.2	89.5	80.1	92.6
	2000	195.6	183.0	348.5	402.0	473.3	288.3	389.1	382.3	379.4	290.4	67.2	78.8
Beech	1995	62.1	991.1	1705.3	1750.1	1555.2	1432.9	1556.8	1193.5	951.5	1147.1	1050.0	693.7
	1996	797.4	1112.0	1593.7	1530.9	1292.5	1416.4	1642.8	1295.4	1186.3	1211.4	1214.5	762.1
	1997	688.8	1127.4	1535.9	1646.7	1572.4	1510.1	1417.8	1483.7	529.0	948.2	809.6	552.6
	1998	510.8	658.3	1616.2	1806.6	1424.3	1247.7	1679.7	1371.7	1026.1	1276.6	676.6	951.9

Table C- 12: Monthly Irrigation Deliveries to Minor Drain Areas of Influence (acre-ft)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1999	695.4	738.4	1498.8	1505.2	1792.8	1429.5	1391.7	1206.3	519.7		309.0	807.7
	2000	696.5	961.7	1220.2	1875.6	2011.1	1820.1	1740.5	1442.7	1293.9	1207.4	864.6	548.5
Best	1995		249.2	538.6	495.0	425.2	445.3	872.1	403.5	485.1	208.6	108.3	371.6
	1996	290.3	296.3	594.3	700.4	256.9	306.6	657.2	217.2	455.5	126.5	319.3	243.8
	1997	290.9	332.6	637.4	643.3	205.6	140.7	399.7	138.3	320.5	356.4	271.7	123.7
	1998	293.5	32.2	548.6	427.8	275.1	68.3	419.5	181.2	282.8	407.5	320.0	206.4
	1999	188.5	281.1	528.9	546.5	404.9	322.0	486.8	292.5	252.2	153.2	151.4	357.3
	2000	231.8	115.9	514.5	549.6	701.7	731.0	634.3	652.7	268.5	284.2	298.6	210.0
Birch 3	1995		59.4	77.1	146.9	123.7	110.3	99.6	82.5		94.9	72.0	21.2
	1996	26.9	84.6	55.8	142.9	101.8	153.8	140.7	110.3	71.0	56.0	99.0	
	1997	68.4	62.5	115.0	144.0	80.0	142.4	129.0	208.2	46.3	99.2	83.1	29.2
	1998	40.5		177.1	125.5	272.6	166.4	221.1	225.7	89.5	145.8	102.4	85.7
	1999	49.2	81.4	155.6	163.4	177.1	152.3	112.5	164.1	9.3	166.1	32.6	84.8
	2000	95.5	73.4	122.1	199.4	142.1	60.3	73.6	73.3	23.6	152.2	32.5	48.2
Blue Lake	1995		187.2	555.4	693.1	900.6	862.7	887.9	839.8	479.2	804.8	332.2	422.1
	1996	340.3	257.0	432.1	891.4	845.5	956.9	1006.8	665.4	825.0	414.5	348.3	231.2
	1997	123.8	393.3	809.3	936.1	907.1	1357.2	1359.1	881.0	374.5	780.2	510.2	278.2
	1998	409.6	191.3	609.5	826.9	870.0	1009.9	1060.9	619.1	706.1	724.6	468.8	449.5
	1999	430.0	294.2	851.8	796.7	1077.5	911.8	788.8	851.5	547.3	675.1	401.9	316.5
	2000	342.3	372.3	717.9	765.9	967.2	1043.5	996.9	781.9	500.5	619.4	341.5	363.0
Bullhead Slough	1995	84.1	357.4	582.2	1047.6	966.5	1301.3	917.5	912.6	741.4	311.8	271.6	329.9
	1996	275.3	398.3	637.2	1033.2	899.5	1118.9	883.6	813.6	473.6	556.8	566.2	323.2
	1997	344.3	354.9	652.3	924.0	1011.5	1317.5	1136.0	980.5	447.1	544.3	432.3	321.8
	1998	396.6	294.8	612.2	1055.6	1004.0	888.9	1018.4	784.5	626.7	746.8	483.5	340.2
	1999	480.0	439.7	819.4	550.2	1025.6	1003.3	938.0	670.9	658.6	556.9	287.2	291.9
	2000	285.8	354.5	805.5	933.0	994.2	1008.5	1101.0	738.7	525.0	636.1	233.2	256.3
Cole	1995	161.7	296.2	641.8	738.2	583.8	522.3	542.7	508.6	357.6	462.6	326.7	384.9
	1996	433.5	421.2	682.1	774.5	701.7	368.8	432.1	465.9	348.6	270.1	506.4	175.8
	1997	275.4	389.1	615.0	617.7	513.9	393.5	353.7	338.3	103.6	502.5	331.9	337.7

Table C- 12: Monthly Irrigation Deliveries to Minor Drain Areas of Influence (acre-ft)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1998	269.3	214.5	524.2	665.0	477.3	535.5	719.8	443.2	437.0	544.8	324.4	331.8
	1999	236.5	469.4	610.6	522.2	650.1	753.9	683.6	696.2	435.4	307.3	260.4	302.0
	2000	257.2	298.9	674.8	750.2	637.4	524.4	631.2	489.3	469.8	457.7	327.8	342.0
Cook	1995	51.4	136.0	373.6	357.9	294.3	317.5	356.3	333.1	214.6	243.7	149.3	177.0
	1996	153.2	148.5	272.7	330.3	309.9	215.7	373.2	342.3	334.8	345.5	158.4	218.7
	1997	138.0	220.6	276.7	339.9	336.7	262.0	272.5	316.2	169.5	270.5	126.6	137.5
	1998	171.5	80.4	243.2	272.5	328.3	338.8	337.3	289.6	133.4	155.6	113.2	159.7
	1999	270.8	171.7	219.1	272.2	260.0	215.9	298.5	158.9	216.8	234.6	208.6	183.7
	2000	182.4	78.2	389.0	402.1	351.4	301.6	308.0	186.1	78.2	263.8	252.2	162.9
Elder 14	1995	62.0	305.7	1183.0	1412.1	1057.6	1433.2	1438.8	1322.0	975.2	946.0	252.6	252.0
	1996	473.3	530.5	720.5	1266.7	1535.3	1092.6	1547.4	889.4	1105.3	739.4	259.0	344.9
	1997	413.4	753.4	1068.5	1360.7	1386.6	1223.1	1262.8	799.4	469.0	709.1	642.3	344.1
	1998	316.2	308.3	1152.1	1330.1	1143.7	946.3	1498.4	971.3	885.5	531.9	418.0	521.8
	1999	365.8	644.7	1188.4	944.0	1377.8	934.6	1418.1	1128.5	1224.0	1027.5	464.6	423.4
	2000	216.3	737.0	1035.8	1231.6	1457.6	1164.7	1568.3	1333.4	989.1	911.1	297.9	478.5
Elder 1	1995	7.0	85.6	276.3	306.6	288.7	340.5	395.9	348.3	239.6	163.0	150.9	77.6
	1996	67.6	135.5	301.5	366.2	341.3	397.9	329.9	382.0	172.2	290.4	161.1	133.9
	1997	102.0	146.0	293.3	235.3	296.6	367.9	403.1	437.3	123.0	183.0	126.2	98.1
	1998	127.1	4.0	224.4	236.6	337.2	309.1	348.4	349.7	243.0	221.4	198.1	128.9
	1999	138.9	121.0	202.9	226.5	339.1	293.4	225.7	273.9	212.6	194.9	116.2	152.2
	2000	148.7	181.9	253.2	275.1	202.5	184.0	227.2	269.9	123.5	249.7	226.5	159.0
Elder 3	1995		33.4	60.8	87.2	105.9	157.8	249.7	165.7	202.1	108.5	27.0	78.4
	1996	69.6	55.5	111.8	121.2	214.4	149.2	128.9	222.2	143.4	106.1	39.2	56.4
	1997	44.7	66.5	93.7	65.5	123.3	163.1	214.1	187.4	48.8	61.5	2.0	9.9
	1998	73.4	6.8	39.5	93.6	108.9	149.5	154.2	136.1	106.5	120.1	7.9	
	1999	71.8	41.9	49.7	97.4	129.4	156.9	163.0	138.0	146.9	107.1		56.4
	2000	42.5	76.9	52.0	106.7	167.0	173.7	159.3	143.4	55.6	99.8	39.7	89.5
Elder	1995	28.2	39.2	102.3	94.0	107.7	120.9	166.7	142.5	83.2	63.8	37.5	85.1
	1996	44.8	62.7	94.9	101.4	111.8	111.7	98.8	101.7	23.6	98.2	17.9	44.2

Table C- 12: Monthly Irrigation Deliveries to Minor Drain Areas of Influence (acre-ft)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1997	4.0	119.4	118.8	95.4	97.9	125.2	113.0	139.9	32.2	31.4	47.1	52.9
	1998	32.2	7.9	91.0	109.5	115.8	157.0	169.3	99.4	71.1	35.7	35.7	73.0
	1999	96.0	32.2	118.5	76.5	37.4	132.9	160.8	70.8	43.2	152.2	38.4	56.3
	2000	24.5	79.2	100.4	127.4	157.4	197.2	130.5	53.4	194.8	97.3	39.7	16.1
Fillaree	1995	219.4	1475.6	2748.3	3121.7	3109.7	4257.3	5653.5	5089.7	2726.4	1562.7	571.6	1159.8
	1996	908.7	1675.0	3609.1	4008.9	3648.6	3578.0	3805.3	4010.7	2395.7	2020.6	1300.1	1190.9
	1997	1234.5	2213.5	3507.1	3521.6	3590.3	4377.5	4319.3	4646.6	2155.0	1584.0	1912.1	757.9
	1998	1296.6	1274.3	3286.3	3617.4	3192.4	3535.6	3576.7	2786.1	2540.9	2434.6	1889.4	1235.9
	1999	1153.8	1982.5	2884.4	2987.8	3393.7	4170.0	3197.4	3141.5	2500.7	1850.6	1086.8	967.8
	2000	1148.4	968.7	2470.4	3222.6	3385.3	3292.9	2880.1	2558.9	2144.6	2096.8	1663.2	1147.3
Flax	1995		230.9	396.9	415.8	576.8	563.1	621.2	511.1	181.6	313.6	100.3	217.1
	1996	108.3	116.9	406.7	388.8	543.8	428.0	398.2	508.7	373.0	220.2	166.6	63.1
	1997	98.9	157.2	461.2	457.2	454.1	550.2	571.1	529.3	192.7	209.1	171.9	72.4
	1998	97.3	156.1	322.4	446.8	591.0	444.5	725.6	517.1	366.1	203.1	49.6	78.8
	1999	119.3	196.0	294.3	281.9	539.5	530.3	447.0	467.3	414.2	251.4	59.7	89.4
	2000	57.4	207.3	312.2	449.2	611.9	521.7	365.1	323.6	423.8	308.8	211.0	24.6
Gardner	1995	104.5	365.8	432.5	585.4	734.8	672.7	716.5	704.1	616.2	633.8	281.5	316.3
	1996	343.8	287.4	624.8	613.8	530.3	505.5	710.3	609.2	579.4	563.9	224.5	267.2
	1997	342.4	414.0	544.9	501.2	554.9	444.0	618.6	531.7	335.1	514.6	256.0	257.4
	1998	200.6	114.5	505.0	637.9	524.3	413.2	563.5	396.5	585.1	543.5	373.1	370.2
	1999	222.1	246.9	431.3	591.1	417.7	724.1	165.7	451.7	177.9	128.8	324.8	254.2
	2000	343.5	284.9	506.4	594.3	432.2	449.2	554.4	418.6	513.3	532.4	303.6	206.3
Livesley	1995	1.6	384.5	1015.5	999.9	784.9	828.9	1213.8	989.0	1106.4	694.4	368.9	340.4
	1996	435.6	394.9	947.4	1071.5	913.8	903.4	837.4	824.1	564.9	513.3	678.4	130.5
	1997	213.8	538.6	871.3	1074.8	941.1	916.0	1274.2	1141.3	809.6	302.0	329.9	319.4
	1998	270.1	211.8	807.9	1198.2	862.5	934.1	1418.6	1160.0	1156.6	628.1	195.0	134.6
	1999	185.6	410.6	882.0	833.3	1240.3	1011.8	872.8	1179.3	655.0	575.4	94.2	197.0
	2000	91.9	164.5	798.0	1274.2	1230.2	1140.7	916.3	953.9	898.2	696.9	210.8	152.0
Malan	1995	51.4	67.3	127.2	127.8	58.4	45.0	166.4	27.0	105.6	97.1	80.3	45.9

Table C- 12: Monthly Irrigation Deliveries to Minor Drain Areas of Influence (acre-ft)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1996	40.3	68.9	100.1	135.4	97.3	89.8	136.6	18.8	27.4	119.7	69.8	60.0
	1997	46.8	69.8	95.7	94.5	15.6	138.9	78.0	49.5	61.8	37.4	39.4	19.0
	1998	25.2	16.2	41.0	23.6	28.4	43.2	40.0	85.8	42.0	125.4	68.7	64.9
	1999	62.9	66.9	100.9	102.5	92.2	35.0	269.1	12.6	39.6	40.8	55.0	34.4
	2000	25.8	97.3	42.8	129.9	164.7	99.7	93.2	220.8	45.0	68.2	29.1	29.4
Meserve	1995		29.2	182.0	145.5	244.4	258.7	238.3	239.9	12.3	221.4	93.8	6.0
	1996	133.9	98.7	134.6	213.1	192.3	263.0	190.6	280.3		285.4	31.4	126.0
	1997	87.9	126.4	116.4	219.1	210.4	294.7	260.1	112.2		156.0	113.3	
	1998	101.2	16.3	158.2	206.2	192.0	284.0	137.1	117.6	109.4	53.2	108.0	90.6
	1999	24.8	104.6	164.1	266.7	95.5	65.6	30.9	240.2	51.6		62.0	63.0
	2000	47.2	147.3	111.8	204.7	249.5	252.9	259.6	273.8	278.1	52.0	94.2	103.2
New River	1995	1965.5	4681.1	8989.8	10799.3	11049.9	10922.2	11316.3	11183.7	8477.4	7917.4	5013.2	4507.7
	1996	5207.5	5729.8	10212.8	12494.1	11208.1	10756.3	10892.4	9232.1	7906.9	8192.5	6300.9	4950.4
	1997	4167.3	5827.6	10153.5	11730.8	11470.8	11316.5	11289.5	10706.2	6641.9	7108.4	5535.9	3547.8
	1998	4956.6	3535.2	8939.7	10583.7	10815.4	9729.0	12034.9	9449.5	6722.8	8654.5	5441.9	4344.1
	1999	5378.7	4469.4	9140.5	9863.5	11370.0	10799.6	10599.8	8683.3	6433.1	5380.7	4619.5	5305.4
	2000	4896.0	5161.7	8745.1	11258.7	11037.9	9936.1	11885.4	8879.3	7082.2	7767.9	5488.9	4054.7
North Central	1995	313.6	1006.9	2312.9	2132.6	2500.2	2965.8	3080.7	2893.0	1827.4	1363.6	1148.8	1006.7
	1996	930.9	1210.1	2233.8	2864.3	2522.2	2468.3	2654.8	2468.9	2095.7	1705.3	1283.5	1042.7
	1997	885.4	1322.8	2468.9	2806.9	2687.3	2723.6	2685.5	2725.4	2078.0	1524.1	1120.3	916.0
	1998	953.7	745.8	2068.7	2607.4	2305.9	2518.3	2317.6	2359.2	1546.7	1483.3	984.0	1075.5
	1999	941.2	923.1	1925.8	2424.3	2136.8	2018.5	2158.1	1913.1	1351.4	1662.0	824.2	909.2
	2000	815.1	942.8	1947.4	2509.6	2471.0	2371.4	1937.7	1614.1	1684.9	1432.0	1030.0	987.3
O'Brien	1995	26.0	17.1	123.3	187.0	249.7	289.1	220.0	298.6	108.3	200.8	93.6	45.1
	1996	118.7	53.6	196.9	142.3	150.9	215.8	249.1	118.7	204.9	213.7	157.2	81.6
	1997	121.0	88.9	220.9	164.7	232.5	99.7	244.6	71.3	17.4	40.8	163.4	4.8
	1998	108.9	21.6	131.5	173.1	113.1	56.1	84.0	240.7	125.7	205.5	134.2	108.3
	1999	58.4	101.4	134.8	212.5	119.8	195.4	88.0	154.7	154.5		79.2	84.1
	2000	98.4	97.9	126.5	270.5	222.0	235.5	158.4	125.4	141.0	137.9	179.1	32.0

Table C- 12: Monthly Irrigation Deliveries to Minor Drain Areas of Influence (acre-ft)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Pinner	1995	62.6	414.8	983.1	1071.7	945.4	1052.4	1176.8	1383.7	528.5	668.6	491.8	556.4
	1996	434.5	751.7	994.0	1175.0	1024.2	952.9	1400.7	919.5	708.0	735.5	411.9	569.4
	1997	357.6	534.5	964.2	1297.0	1112.2	898.2	1219.9	714.3	464.9	772.8	586.2	400.7
	1998	525.7	304.9	847.3	1209.0	1137.2	1113.6	1121.6	854.7	840.2	878.6	666.0	476.4
	1999	403.5	428.1	856.2	1041.8	1213.5	1233.6	1215.9	884.8	614.7	110.9	274.1	426.0
	2000	452.6	593.5	915.0	1154.6	1032.7	1088.0	1174.2	886.8	594.5	531.4	481.1	429.7
Raymond	1995		213.9	905.6	1105.0	1212.1	1333.2	1384.8	991.6	631.9	927.4	349.9	424.2
	1996	385.6	758.2	969.6	1191.7	1126.6	1462.5	1076.7	890.1	812.4	575.4	660.8	407.8
	1997	307.0	648.6	730.8	1015.4	918.9	775.5	643.1	1045.8	317.2	540.1	635.6	178.3
	1998	232.7	305.2	810.3	848.3	928.5	958.6	1195.8	1152.2	657.8	786.1	407.7	328.2
	1999	415.6	331.3	976.1	922.6	937.1	1054.2	984.7	852.9	520.1		121.7	332.6
	2000	459.9	494.3	772.1	1020.5	1129.0	1052.5	942.6	832.7	793.3	588.1	343.9	297.9
Reed 13	1995	25.5	119.0	211.1	284.9	146.5	127.6	58.5	142.1	74.8	194.1	176.4	47.0
	1996	133.8	102.2	195.5	265.9	123.6	12.0	27.6	226.3	23.0	67.3	135.5	103.5
	1997	130.2	72.2	146.5	222.4	166.6	183.2	236.8	243.2	52.0	178.4	224.7	127.8
	1998	98.4	31.5	146.7	247.2	135.3	222.2	208.9	176.4	90.6	157.1	178.6	111.5
	1999	174.5	126.2	185.6	243.7	181.7	83.3	121.4	177.3	51.7		63.9	123.4
	2000	125.1	105.2	128.0	272.1	136.0	118.6	287.9	73.5	137.4	315.4	162.0	119.9
Reed 15	1995	64.8	95.4	58.1	128.9	177.3	120.9	269.9	176.7	88.4	242.2	75.7	85.8
	1996	97.2	55.2	139.4	204.8	277.1	265.8	160.3	255.6	121.4	94.2	100.0	98.1
	1997	91.0	88.3	207.6	245.3	175.8	144.8	178.9	184.4			127.6	
	1998	152.4	129.0	166.7	182.2	78.0	63.4	237.7	20.2		56.8	154.9	
	1999	317.0	42.1	150.3	125.9	134.9	60.1	129.2	75.0	228.7		51.3	61.5
	2000	121.8	143.6	180.2	238.6	81.4	20.4	53.0	164.3	59.6	126.6	105.3	135.9
Riley 11	1995	29.7	78.5	190.7	224.9	118.1	198.0	217.3	98.9	191.7	142.4	36.4	81.7
	1996	85.7	96.3	216.8	257.2	112.2	31.8	184.5	121.3	42.6	257.9	57.6	103.0
	1997	95.8	136.4	210.9	279.1	132.6	113.4	237.9	123.8	101.0	140.5	172.6	38.4
	1998	132.4	51.5	172.9	266.8	186.1	200.8	199.9	207.1	148.2	136.4	136.0	115.5
	1999	112.1	203.5	191.3	220.2	153.1	103.7	112.4	237.3	64.1		51.2	55.0
	2000	148.1	147.7	239.1	239.8	114.7	64.0	128.4	136.6	81.1	187.8	92.5	75.9

Table C- 12: Monthly Irrigation Deliveries to Minor Drain Areas of Influence (acre-ft)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Salt Creek	1995	399.7	3803.7	6103.9	7704.8	7898.1	9662.2	8752.1	8448.3	5557.2	3647.8	2317.0	2359.3
	1996	2897.4	3586.4	6347.4	8620.4	7879.2	8454.4	8250.8	7364.7	5060.3	5865.2	3631.2	2940.0
	1997	3280.8	4161.6	6917.7	8091.3	8148.4	9818.1	10078.0	8820.5	4375.0	4192.4	3675.1	1555.5
	1998	2730.4	2386.7	5985.4	6590.7	8384.2	8185.9	9399.8	7676.5	5217.0	4520.4	3183.9	2701.3
	1999	2426.1	3450.4	6334.9	6770.1	8579.5	8623.4	7543.4	6314.1	4981.3	4186.7	3181.5	2730.9
	2000	2304.3	3894.8	5406.4	7959.4	8949.2	8527.4	8635.5	5653.6	5464.2	4264.7	2757.2	2163.1
Seeley	1995	110.2	663.5	1440.4	1929.1	1800.8	1778.6	2099.7	1775.9	892.6	985.3	298.9	750.9
	1996	643.9	647.2	1579.7	1715.9	1729.9	2246.9	2199.1	1394.2	1506.0	969.5	675.6	642.6
	1997	633.4	979.4	1554.8	1717.4	1687.9	2083.4	2020.2	1692.9	771.5	918.4	841.5	514.0
	1998	861.1	415.3	1158.6	1855.3	1976.3	1610.5	1976.1	1220.9	927.1	1143.9	715.5	619.1
	1999	544.7	690.9	1569.1	1592.5	1897.3	1882.7	1574.3	1784.3	999.6	1380.2	688.3	693.0
	2000	819.4	644.2	1519.3	1663.0	2181.7	2447.0	1756.6	1390.8	1079.8	1078.9	854.2	582.7
Similax	1995			44.2	66.6	19.8	57.1	67.1		63.1		44.4	
	1996	29.8	51.2	48.4	24.6	86.6	49.6	72.0	56.4				
	1997		97.8	42.2		28.2	92.3	48.6	47.6				37.0
	1998	23.0	18.6	45.3	68.6	3.4		67.2			53.5	44.8	59.9
	1999	49.2	55.8	115.0	76.9			57.2		65.8		26.2	9.0
	2000			34.7	62.0	19.6	69.8	64.3	17.9	66.8	18.6		
Spruce 1	1995	55.1	331.4	339.4	591.3	497.9	620.0	504.2	571.6	414.9	503.4	266.4	161.2
	1996	324.8	324.4	515.5	663.6	714.4	533.6	428.0	372.1	263.5	670.6	369.0	286.6
	1997	326.6	398.9	500.8	522.5	538.1	579.3	619.2	522.5	413.7	552.2	341.2	214.5
	1998	183.1	162.0	441.3	599.5	511.9	663.7	581.6	570.8	453.5	544.9	319.0	266.7
	1999	324.7	323.2	690.4	576.8	701.7	662.6	524.0	697.2	544.0	396.5	258.6	298.5
	2000	201.9	189.7	373.1	742.9	723.3	379.9	465.8	283.2	262.8	419.8	203.6	288.0
Spruce 3	1995	136.1	171.1	326.4	262.7	410.2	517.6	591.7	337.8	220.7	225.3	50.7	211.3
	1996	126.1	201.3	246.8	416.0	425.2	297.2	272.6	447.4	230.4	288.3	131.5	58.3
	1997	181.4	142.0	228.3	384.7	332.6	485.2	494.6	440.6	208.8	246.6	84.7	154.3
	1998	120.9	31.1	223.6	265.9	382.5	448.3	460.5	292.0	175.1	248.8	152.3	140.3
	1999	199.5	244.2	439.0	236.2	274.8	461.5	402.0	305.6	226.0	65.2	152.3	98.3

Table C- 12: Monthly Irrigation Deliveries to Minor Drain Areas of Influence (acre-ft)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2000	262.8	157.3	337.3	331.4	187.0	237.4	264.9	197.9	12.3	268.6	198.6	26.0
Spruce 4	1995	14.5	76.0	174.3	143.6	147.6	89.8		58.3	85.4	125.8	64.4	71.3
	1996	87.1	63.1	115.1	208.4	240.2	213.8	206.2	150.0	124.9	63.3	89.5	26.8
	1997	126.7	59.0	113.9	149.9	199.7	109.5	248.1	239.6	63.5	55.8	117.9	30.4
	1998	109.5	45.3	133.7	128.7	152.3	272.4	312.8	90.0		156.8	44.8	74.7
	1999	87.4	60.2	176.7	126.6	150.6	240.1	263.6	155.4	79.6	44.8	124.8	37.7
	2000	70.2	148.3	92.9	162.0	60.3	337.4	309.7	151.0	207.2	80.1	24.0	22.6
Spruce	1995	139.8	793.6	1543.4	1681.3	1626.6	1592.5	1569.8	1697.6	1073.3	1372.4	851.3	761.1
	1996	595.5	962.6	1527.0	1524.9	1640.2	1522.6	1340.1	1389.1	1043.1	1470.6	1004.1	798.3
	1997	490.4	1022.6	1305.8	1615.3	1529.1	1229.5	1541.7	1144.6	744.6	1135.8	647.6	551.1
	1998	800.3	207.4	1035.3	1277.9	1428.5	1370.8	1642.5	1407.2	692.0	1031.6	689.0	827.2
	1999	792.3	492.5	1273.8	1177.6	1151.1	1254.7	915.0	1188.5	691.7	1205.9	795.0	777.4
	2000	657.4	506.4	1214.7	1456.1	1556.7	534.0	943.6	1219.0	672.7	1181.4	1280.4	604.5
Sumac	1995	40.9	405.8	906.2	854.4	873.0	939.0	1006.8	969.9	937.1	847.7	503.7	461.7
	1996	518.9	510.7	793.0	816.9	871.1	687.3	938.2	687.1	497.5	918.1	646.1	576.3
	1997	510.3	448.5	831.6	881.6	1047.6	1006.8	1290.4	714.8	377.0	1003.2	613.4	401.0
	1998	404.0	335.8	537.2	796.5	1010.0	735.6	1012.0	891.7	640.0	1065.5	576.7	389.2
	1999	336.9	573.2	931.6	880.0	949.1	730.7	690.2	760.8	538.2	742.5	452.9	505.9
	2000	472.1	648.6	797.6	1125.0	907.1	812.7	966.9	813.5	746.9	750.6	409.1	484.5
Tamarack	1995	43.4	236.8	670.9	726.2	937.8	813.3	748.5	632.3	892.8	590.6	439.9	376.1
	1996	364.0	370.6	766.4	908.0	780.3	801.3	652.2	627.2	627.3	624.6	365.4	382.5
	1997	392.0	430.5	676.2	985.4	854.6	680.6	565.1	898.1	528.4	523.3	564.9	227.9
	1998	338.7	150.0	687.8	807.4	900.0	659.8	918.0	630.3	872.3	441.0	432.2	394.2
	1999	372.5	301.8	725.0	758.2	899.6	366.1	626.9	334.9	733.7	716.6	479.9	396.7
	2000	241.5	336.2	593.7	841.4	924.1	574.3	811.1	675.3	603.9	535.1	428.3	363.9
Timothy 1	1995	577.3	1271.5	2840.8	3420.4	2694.1	2699.7	2582.1	2390.8	2081.1	2282.3	1602.2	1059.5
	1996	1155.4	1546.0	2444.7	3021.8	3320.6	2613.2	2917.6	2355.1	1999.7	2083.3	1067.5	1256.1
	1997	1066.9	1732.8	2467.2	2982.1	2555.7	2567.3	2673.6	2408.3	1723.7	1864.9	1393.0	1142.5
	1998	1192.0	883.1	2250.2	2870.8	2703.0	2282.0	2983.4	1936.8	1776.1	2791.9	1935.0	1487.0

Table C- 12: Monthly Irrigation Deliveries to Minor Drain Areas of Influence (acre-ft)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1999	1560.0	1589.4	2703.5	2657.0	2760.9	2411.3	2247.6	2089.9	1548.1	1853.4	1540.7	1546.1
	2000	1528.2	1583.8	3026.2	3113.9	2471.4	1961.3	2615.3	2283.1	1696.2	1790.9	1398.7	1053.5
Timothy 2	1995	45.5	281.5	672.0	725.6	560.0	457.2	564.9	386.3	512.7	524.4	403.3	246.2
	1996	262.1	235.7	557.6	708.6	734.2	313.6	576.4	435.6	347.2	517.4	317.2	263.1
	1997	189.2	373.0	435.4	533.0	538.0	479.5	505.3	315.9	358.2	538.7	436.8	188.4
	1998	154.5	135.7	370.0	454.2	558.8	535.5	511.5	384.1	56.3	475.4	165.5	140.1
	1999	288.5	94.2	463.7	478.7	512.4	346.7	438.7	320.4	455.7	401.8	356.5	247.3
	2000	290.3	265.6	410.1	478.7	267.0	352.4	270.3	453.5	284.1	585.8	223.4	298.1
Trifolium 3	1995	156.1	997.7	1808.9	2249.3	1768.9	1709.5	1843.8	2287.5	1145.6	1944.8	733.0	1092.7
	1996	905.9	1208.7	2014.2	2197.1	1741.3	1507.0	2128.0	1931.2	1110.9	1647.6	1288.1	783.7
	1997	1055.2	1112.5	2038.2	2036.2	2021.5	2049.2	1902.7	2013.5	1059.7	1375.9	1162.8	663.0
	1998	943.5	469.6	1711.0	2232.6	2226.1	1676.6	2279.7	1976.9	1074.2	1735.2	1123.8	745.2
	1999	1068.0	1145.4	2303.6	2332.7	1835.8	1881.4	1573.6	1533.7	1023.1	782.0	709.2	1093.3
	2000	929.8	1025.2	1819.2	2164.4	2208.0	1531.2	1667.1	1479.9	1774.0	1432.7	890.8	904.9
Trifolium 4	1995	249.3	968.1	1970.8	1957.3	1891.8	1835.3	1815.0	1878.2	1402.3	1544.4	939.3	816.4
	1996	990.6	1237.0	1973.2	2386.0	1787.0	1547.2	1639.9	1643.2	1187.0	1431.1	757.2	969.4
	1997	999.5	1566.9	2365.0	2441.6	1368.9	937.9	1042.2	1733.4	990.8	1240.7	994.7	527.8
	1998	1079.6	548.8	1777.8	2275.1	1858.3	1439.0	1721.3	1760.7	1243.6	1512.6	1034.7	992.6
	1999	974.6	1192.8	1908.2	2025.0	1748.2	1711.1	1498.7	1521.3	1357.9	314.9	425.5	1162.1
	2000	781.0	1003.8	1813.2	2146.0	1576.9	1559.8	1612.7	1271.7	1305.2	1582.6	902.0	749.7
Trifolium 6	1995	896.8	1536.2	3062.5	3574.2	2914.0	2927.2	2780.5	2996.6	2733.0	2600.0	1556.1	1361.8
	1996	1344.2	2159.7	2910.6	3452.9	2958.6	2814.1	3352.3	2584.8	2431.3	1963.5	1531.5	1262.0
	1997	1602.1	1852.7	2924.1	3162.2	3138.4	2662.9	3193.0	2686.8	1659.9	2046.4	1861.4	973.2
	1998	1547.2	943.6	2783.0	3320.1	3005.5	2824.7	3374.9	2548.1	2019.2	2517.9	1528.6	1409.7
	1999	2030.7	1793.8	3342.8	2801.7	2611.6	2160.7	2125.7	2219.2	1822.1	458.2	802.5	1764.6
	2000	1599.6	1718.2	2771.7	3119.0	2794.2	2171.2	2470.4	2549.9	1949.6	1815.0	1644.2	949.5
Trifolium 7	1995	976.1	2796.5	4385.0	4272.1	4410.3	3897.7	5095.8	4141.6	2885.6	3456.4	2140.8	2098.0
	1996	2558.1	2962.9	4233.0	4644.3	4320.9	3806.0	4650.6	3508.0	2508.7	3520.7	2247.4	1834.0
	1997	1934.2	3049.1	3733.2	4501.6	4301.3	4373.1	4685.9	4039.9	2859.3	2933.8	1965.1	1722.4

Table C- 12: Monthly Irrigation Deliveries to Minor Drain Areas of Influence (acre-ft)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1998	2250.7	1673.7	4809.5	4802.1	4042.7	3633.1	4311.1	4051.9	3629.7	3253.9	2295.9	2233.4
	1999	2813.8	3001.9	4293.3	4405.7	4031.1	3521.1	3375.7	3586.2	3050.1	3340.9	1489.6	2586.6
	2000	2188.3	2850.2	4110.0	4607.6	4369.3	3767.2	4081.6	3969.3	2766.6	3141.2	2153.6	1742.3
Trifolium 8	1995	459.7	1100.5	2097.3	2177.8	1936.2	2103.1	2470.3	1634.1	1433.9	1324.9	1296.1	1044.8
	1996	1427.3	1495.5	2541.6	2732.6	2153.3	1588.3	1826.9	1467.8	1125.3	1311.1	912.2	988.0
	1997	945.6	1516.5	2263.3	2800.0	1792.9	1681.5	2257.4	2004.1	984.1	1750.9	1091.3	886.9
	1998	1099.5	510.6	1881.5	1861.3	2277.6	2122.2	2812.2	2183.4	1307.9	1788.2	1204.9	1269.9
	1999	1180.0	1087.9	1819.1	2140.0	2107.6	1650.6	1944.9	1941.5	1367.6	873.3	658.9	1095.5
	2000	1284.6	1404.9	2180.4	2557.0	1892.9	2280.6	2348.6	1742.7	1490.0	1405.7	1101.8	796.2
Trifolium 9	1995	666.3	1760.2	3170.2	3640.8	4027.0	3605.9	3843.2	2839.0	2991.1	2762.5	1708.8	1827.2
	1996	2054.1	2383.3	3679.2	4441.7	3653.1	3036.1	3379.2	3321.2	2682.1	2869.6	2282.6	2134.5
	1997	1881.7	2235.0	3620.9	3697.6	3084.1	3125.2	2724.5	2864.9	2262.6	2283.6	2272.4	1290.1
	1998	1947.2	1082.0	3181.0	4164.0	3751.1	2861.2	3871.8	3110.9	2125.9	3044.3	2089.9	2219.6
	1999	2256.6	1943.4	3266.1	3099.1	3728.5	2762.4	2607.1	2731.7	3152.2	1939.2	1877.7	1978.8
	2000	1728.9	2124.7	3036.1	3761.7	2872.8	2222.1	3311.1	2138.0	2194.3	2552.8	1879.3	1428.4
Trifolium 10	1995	622.4	1337.4	2847.4	3177.1	2109.8	2338.9	2275.5	2565.6	1920.8	1802.1	1334.1	900.4
	1996	1565.0	1522.0	2929.7	3361.1	2967.2	2050.2	2497.7	2544.9	1473.3	1771.1	1376.3	1263.2
	1997	1377.7	1674.9	2490.7	3049.9	2620.3	2469.9	2470.1	2132.6	1956.7	2099.0	1374.6	822.4
	1998	1241.6	695.3	2298.9	2535.1	2667.5	2354.3	2189.8	2052.2	2002.0	1665.4	1467.2	1253.7
	1999	1138.1	1462.9	2764.2	2548.2	2446.4	1862.3	1697.7	1949.8	1793.1	1027.9	1104.1	1320.3
	2000	1114.6	1522.9	2022.1	2455.1	2372.9	1815.5	2154.3	1808.5	1111.2	1762.4	1292.1	914.9
Trifolium 11	1995	306.3	601.0	1292.1	1727.7	1262.6	1103.3	1026.1	979.2	1028.1	854.6	701.4	499.6
	1996	591.2	696.9	1240.0	1350.0	960.4	890.1	883.2	1123.0	823.4	553.0	696.6	480.8
	1997	406.6	863.9	1226.4	1313.1	1624.2	1293.9	1315.0	1418.9	599.0	806.8	518.6	393.6
	1998	537.1	255.4	1150.4	1356.4	1296.4	1027.5	1115.6	1299.7	704.6	789.9	827.1	687.0
	1999	626.7	588.4	1053.8	1255.5	1444.5	1280.2	1294.0	1007.9	852.7	1051.9	574.1	813.4
	2000	680.1	817.7	1060.0	1317.3	1401.7	1105.9	907.3	899.0	990.4	724.1	410.3	527.8
Vail	1995	122.2	416.1	666.6	879.4	517.5	444.5	766.7	321.4	197.8	568.7	144.4	309.9
	1996	270.6	320.7	746.9	611.0	449.4	763.4	633.7	526.7	386.3	439.2	314.9	332.1

Table C- 12: Monthly Irrigation Deliveries to Minor Drain Areas of Influence (acre-ft)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1997	240.5	428.1	541.6	599.1	765.4	933.1	701.5	776.5	437.5	148.6	281.3	279.2
	1998	252.3	192.1	541.7	675.6	287.2	246.7	280.9	604.2	662.3	535.7	256.7	328.0
	1999	376.2	240.5	463.6	618.6	749.2	762.9	567.0	589.4	587.4		134.0	367.5
	2000	285.9	289.4	589.1	648.3	638.3	780.9	802.3	615.9	387.8	408.9	207.5	178.5
Wixom	1995	0.8	297.8	463.1	492.8	600.8	800.1	671.9	727.2	466.4	155.8	172.7	193.1
	1996	123.6	343.8	624.6	640.0	514.6	770.5	621.9	510.2	399.3	598.7	103.3	212.5
	1997	87.3	269.7	592.8	641.9	593.6	678.6	803.8	842.3	311.8	407.6	94.9	73.7
	1998	145.6	149.6	431.0	444.0	671.4	619.8	694.9	849.9	565.4	383.6	182.2	66.3
	1999	74.9	157.6	414.6	574.7	764.2	882.6	459.4	541.8	331.0	294.2	222.2	118.5
	2000	132.3	270.0	523.7	725.7	849.9	651.0	1024.1	622.8	543.3	448.2	163.5	95.1
Wormwood 7	1995	188.3	473.3	900.7	1109.5	1172.3	1177.4	1063.5	1086.9	382.5	689.7	362.5	445.8
	1996	358.3	312.7	993.7	1001.6	927.4	1066.9	1001.3	896.6	653.5	630.8	471.2	566.0
	1997	463.6	574.3	835.1	1094.1	1233.0	1374.8	1113.0	1231.9	329.3	452.4	430.6	116.1
	1998	547.7	127.9	886.0	1018.9	1119.3	1046.8	813.1	706.5	773.5	863.7	498.6	335.0
	1999	651.6	359.1	937.9	1042.7	1128.4	1074.7	1106.2	1101.2	710.3		260.2	409.8
	2000	437.1	418.6	845.0	1036.5	1033.3	1102.0	1095.8	710.7	504.2	641.1	420.0	464.7

Table C- 13: Total Irrigation Deliveries to Minor Drain Areas of Influence

Total Minor Drain Deliveries (acre-ft)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1995	13180.7	15981.3	26185.8	29274.2	26482.4	23196.3	23423.2	23928.3	21087.0	21056.8	15998.9	15188.8
1996	16717.6	17678.3	25052.2	26977.5	23586.0	21906.7	21803.0	20679.7	19918.9	21874.9	18266.9	16023.8
1997	14878.4	18337.6	24927.6	24977.9	22843.8	20631.4	21890.9	22676.4	21222.4	20047.6	18226.4	13297.1
1998	15716.6	12097.9	22481.7	24664.6	23390.0	17540.0	21411.1	19974.4	18010.1	21573.4	17740.0	16786.3
1999	17414.2	15882.8	24243.0	23324.0	24635.5	20636.5	18661.5	18347.8	17545.6	20736.1	17058.7	16545.2
2000	15435.5	15088.3	22445.2	24238.8	23090.2	19613.7	20132.2	19169.6	18198.9	21370.9	16491.0	15439.1

Table C- 14: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records					= Suspect Value						
Canal	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
All-American 10	1995		363.7	604.8	983.0	1100.0	964.3	949.7	1467.4	906.4	794.6	418.7	632.6
	1996	494.5	447.7	817.4	1028.4	746.6	786.0	942.1	947.2	903.7	779.3	571.9	454.0
	1997	591.4	392.4	800.4	972.8	940.2	702.9	1003.6	922.1	698.4	683.1	599.5	456.6
	1998	506.2	340.2	620.1	909.2	935.4	924.7	1062.4	930.3	892.6	582.7	678.5	480.7
	1999	503.9	485.3	751.1	846.0	1026.5	1195.4	1006.8	1099.3	672.8	785.2	434.8	561.8
	2000	567.7	590.2	641.9	696.2	1278.4	1160.3	1056.1	967.6	618.2	451.4	691.7	360.1
	Mean	532.7	436.6	706.0	905.9	1004.5	955.6	1003.5	1055.7	782.0	679.4	565.9	491.0
	STDEV	43.8	92.4	95.0	120.8	178.9	196.5	50.8	211.9	132.9	138.4	117.1	94.7
	CV	0.08	0.21	0.13	0.13	0.18	0.21	0.05	0.20	0.17	0.20	0.21	0.19
	Upper 95%	618.5	617.6	892.1	1142.8	1355.2	1340.7	1103.0	1471.0	1042.4	950.7	795.3	676.6
Lower 95%	447.0	255.6	519.8	669.1	653.8	570.5	903.9	640.3	521.6	408.1	336.4	305.3	
All-American 14	1995	6.4	4.0	8.8	8.0	7.2	8.4	9.6	6.4	9.2	9.2	4.0	9.6
	1996	8.0	8.8	7.2	9.2	8.0	6.8	4.4	8.8	8.4	9.6	8.4	9.2
	1997	5.2	8.4	8.0	9.2	9.6	8.8	9.2	9.2	7.6	9.2	9.2	9.2
	1998	9.6	4.0	7.2	4.4	6.4	8.8	8.8	6.8	8.0	10.0	9.2	9.6
	1999	4.4	6.0	9.2	9.2	4.4	9.2	10.0	9.2	9.2	8.4	6.0	8.0
	2000	9.2	8.8	5.6	9.2	8.8	4.0	9.2	8.8	8.8	9.2	8.8	9.6
	Mean	7.1	6.7	7.7	8.2	7.4	7.7	8.5	8.2	8.5	9.3	7.6	9.2
	STDEV	2.1	2.3	1.3	1.9	1.9	2.0	2.1	1.3	0.7	0.5	2.1	0.6
	CV	0.30	0.35	0.17	0.23	0.25	0.26	0.24	0.15	0.08	0.06	0.28	0.07
	Upper 95%	11.3	11.2	10.2	12.0	11.0	11.6	12.6	10.7	9.8	10.3	11.8	10.4
Lower 95%	2.9	2.1	5.1	4.4	3.8	3.8	4.5	5.7	7.3	8.2	3.4	8.0	
All-American 9	1995		134.0	530.2	408.4	567.3	756.8	574.7	664.2	529.1	530.4	141.1	4.0
	1996	149.1	147.6	463.5	689.0	675.1	635.3	677.2	738.7	570.2	432.8	124.5	36.2
	1997	120.2	144.5	521.5	632.4	862.4	599.5	787.1	561.6	503.4	320.4	235.8	75.7
	1998	78.2	173.1	364.0	473.4	767.1	429.5	364.6	733.0	89.4	586.1	215.3	167.8
	1999	131.4	317.4	376.2	582.8	307.6	288.7	266.4	240.4	404.9	310.3	119.5	206.9
	2000		281.0	364.9	536.6	586.0	343.8	415.1	492.2	33.4	320.8	124.0	5.0
	Mean	119.7	199.6	436.7	553.8	627.6	508.9	514.2	571.7	355.1	416.8	160.0	82.6

Table C- 14: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records					= Suspect Value						
	STDEV	30.1	79.1	78.4	103.1	192.2	183.1	199.2	189.0	234.6	119.7	51.7	86.2
	CV	0.25	0.40	0.18	0.19	0.31	0.36	0.39	0.33	0.66	0.29	0.32	1.04
	Upper 95%	178.8	354.5	590.4	755.9	1004.2	867.9	904.5	942.2	814.8	651.5	261.3	251.5
	Lower 95%	60.7	44.7	283.0	351.6	251.0	150.0	123.8	201.2	-104.7	182.1	58.7	-86.3
Baughman	1995		124.4	425.0	464.1	525.2	568.0	552.9	471.7	315.9	230.5	287.5	127.8
	1996	233.3	231.3	440.2	356.2	492.9	420.5	289.5	483.3	166.2	366.1	195.3	156.0
	1997	116.7	282.4	321.3	333.9	382.4	567.2	617.4	157.2	110.6	133.2	136.8	233.9
	1998	293.3		386.0	410.6	329.0	219.7	356.4	361.6	97.1	350.9	235.5	214.3
	1999	154.1	269.4	350.5	240.0	453.6	515.4	429.4	322.9	218.2	89.5	80.1	92.6
	2000	195.6	183.0	348.5	402.0	473.3	288.3	389.1	382.3	379.4	290.4	67.2	78.8
	Mean	198.6	218.1	378.6	367.8	442.7	429.9	439.1	363.2	214.6	243.4	167.1	150.6
	STDEV	68.7	65.1	46.9	77.3	73.4	148.0	123.7	118.8	113.5	113.9	87.7	63.3
	CV	0.35	0.30	0.12	0.21	0.17	0.34	0.28	0.33	0.53	0.47	0.52	0.42
	Lower 95%	333.2	345.7	470.4	519.3	586.6	720.0	681.6	596.1	437.0	466.6	338.9	274.7
	Lower 95%	64.0	90.5	286.7	216.3	298.8	139.7	196.6	130.2	-7.9	20.3	-4.8	26.4
Beech	1995		991.1	1705.3	1750.1	1555.2	1432.9	1556.8	1193.5	951.5	1147.1	1050.0	693.7
	1996	797.4	1112.0	1593.7	1530.9	1292.5	1416.4	1642.8	1295.4	1186.3	1211.4	1214.5	762.1
	1997	688.8	1127.4	1535.9	1646.7	1572.4	1510.1	1417.8	1483.7	529.0	948.2	809.6	552.6
	1998	510.8	658.3	1616.2	1806.6	1424.3	1247.7	1679.7	1371.7	1026.1	1276.6	676.6	951.9
	1999	695.4	738.4	1498.8	1505.2	1792.8	1429.5	1391.7	1206.3	519.7		309.0	807.7
	2000	696.5	961.7	1220.2	1875.6	2011.1	1820.1	1740.5	1442.7	1293.9	1207.4	864.6	548.5
	Mean	677.8	931.5	1528.4	1685.9	1608.1	1476.1	1571.6	1332.2	917.8	1158.1	820.7	719.4
	STDEV	103.7	193.6	166.8	150.3	258.4	189.3	142.5	121.0	327.4	126.0	313.8	155.8
	CV	0.15	0.21	0.11	0.09	0.16	0.13	0.09	0.09	0.36	0.11	0.38	0.22
	Upper 95%	880.9	1310.9	1855.4	1980.4	2114.6	1847.2	1850.8	1569.3	1559.5	1405.1	1435.7	1024.8
Lower 95%	474.6	552.1	1201.3	1391.3	1101.5	1105.0	1292.3	1095.1	276.0	911.2	205.7	414.1	
Best	1995		249.2	538.6	495.0	425.2	445.3	872.1	403.5	485.1	208.6	108.3	371.6
	1996	290.3	296.3	594.3	700.4	256.9	306.6	657.2	217.2	455.5	126.5	319.3	243.8
	1997	290.9	332.6	637.4	643.3	205.6	140.7	399.7	138.3	320.5	356.4	271.7	123.7
	1998	293.5		548.6	427.8	275.1	68.3	419.5	181.2	282.8	407.5	320.0	206.4
	1999	188.5	281.1	528.9	546.5	404.9	322.0	486.8	292.5	252.2	153.2	151.4	357.3

Table C- 14: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records					= Suspect Value						
	2000	231.8	115.9	514.5	549.6	701.7	731.0	634.3	652.7	268.5	284.2	298.6	210.0
	Mean	259.0	255.0	560.4	560.4	378.2	335.7	578.3	314.2	344.1	256.1	244.9	252.1
	STDEV	47.2	83.4	46.5	98.6	180.4	236.2	179.5	190.3	100.8	112.6	91.8	95.7
	CV	0.18	0.33	0.08	0.18	0.48	0.70	0.31	0.61	0.29	0.44	0.38	0.38
	Upper 95%	351.4	418.4	651.4	753.8	731.8	798.5	930.2	687.2	541.6	476.8	424.9	439.6
	Lower 95%	166.6	91.6	469.3	367.1	24.7	-127.2	226.4	-58.8	146.6	35.3	64.9	64.6
Birch 3	1995		59.4	77.1	146.9	123.7	110.3	99.6	82.5		94.9	72.0	21.2
	1996	26.9	84.6	55.8	142.9	101.8	153.8	140.7	110.3	71.0	56.0	99.0	
	1997	68.4	62.5	115.0	144.0	80.0	142.4	129.0	208.2	46.3	99.2	83.1	29.2
	1998	40.5		177.1	125.5	272.6	166.4	221.1	225.7	89.5	145.8	102.4	85.7
	1999	49.2	81.4	155.6	163.4	177.1	152.3	112.5	164.1	9.3	166.1	32.6	84.8
	2000	95.5	73.4	122.1	199.4	142.1	60.3	73.6	73.3	23.6	152.2	32.5	48.2
	Mean	56.1	72.3	117.1	153.7	149.6	130.9	129.4	144.0	47.9	119.0	70.3	53.8
	STDEV	26.7	11.2	45.8	25.4	68.9	39.5	50.6	65.0	33.0	42.4	31.2	30.3
	CV	0.48	0.15	0.39	0.17	0.46	0.30	0.39	0.45	0.69	0.36	0.44	0.56
	Upper 95%	108.4	94.1	206.8	203.5	284.6	208.2	228.7	271.4	112.6	202.1	131.4	113.3
	Lower 95%	3.8	50.4	27.4	103.8	14.5	53.6	30.2	16.6	-16.7	36.0	9.1	-5.6
Blue Lake	1995		187.2	555.4	693.1	900.6	862.7	887.9	839.8	479.2	804.8	332.2	422.1
	1996	340.3	257.0	432.1	891.4	845.5	956.9	1006.8	665.4	825.0	414.5	348.3	231.2
	1997	123.8	393.3	809.3	936.1	907.1	1357.2	1359.1	881.0	374.5	780.2	510.2	278.2
	1998	409.6	191.3	609.5	826.9	870.0	1009.9	1060.9	619.1	706.1	724.6	468.8	449.5
	1999	430.0	294.2	851.8	796.7	1077.5	911.8	788.8	851.5	547.3	675.1	401.9	316.5
	2000	342.3	372.3	717.9	765.9	967.2	1043.5	996.9	781.9	500.5	619.4	341.5	363.0
	Mean	329.2	282.6	662.7	818.4	928.0	1023.7	1016.7	773.1	572.1	669.8	400.5	343.4
	STDEV	121.6	87.8	159.9	87.4	84.0	175.9	194.0	107.4	164.5	142.2	74.3	84.1
	CV	0.37	0.31	0.24	0.11	0.09	0.17	0.19	0.14	0.29	0.21	0.19	0.25
	Upper 95%	567.5	454.6	976.0	989.6	1092.5	1368.4	1397.0	983.5	894.6	948.6	546.0	508.3
	Lower 95%	90.9	110.5	349.3	647.1	763.4	678.9	636.5	562.7	249.6	391.0	254.9	178.5
Bullhead Slough	1995		357.4	582.2	1047.6	966.5	1301.3	917.5	912.6	741.4	311.8	271.6	329.9
	1996	275.3	398.3	637.2	1033.2	899.5	1118.9	883.6	813.6	473.6	556.8	566.2	323.2
	1997	344.3	354.9	652.3	924.0	1011.5	1317.5	1136.0	980.5	447.1	544.3	432.3	321.8

Table C- 14: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records					= Suspect Value						
	1998	396.6	294.8	612.2	1055.6	1004.0	888.9	1018.4	784.5	626.7	746.8	483.5	340.2
	1999	480.0	439.7	819.4	550.2	1025.6	1003.3	938.0	670.9	658.6	556.9	287.2	291.9
	2000	285.8	354.5	805.5	933.0	994.2	1008.5	1101.0	738.7	525.0	636.1	233.2	256.3
	Mean	356.4	366.6	684.8	923.9	983.6	1106.4	999.1	816.8	578.7	558.8	379.0	310.6
	STDEV	84.6	48.7	101.8	192.0	45.7	173.3	103.2	113.5	115.2	143.2	134.2	31.1
	CV	0.24	0.13	0.15	0.21	0.05	0.16	0.10	0.14	0.20	0.26	0.35	0.10
	Upper 95%	522.1	462.1	884.3	1300.3	1073.1	1446.1	1201.3	1039.3	804.6	839.5	642.0	371.5
	Lower 95%	190.7	271.1	485.3	547.6	894.0	766.7	796.9	594.3	352.9	278.1	116.0	249.6
Cole	1995		296.2	641.8	738.2	583.8	522.3	542.7	508.6	357.6	462.6	326.7	384.9
	1996	433.5	421.2	682.1	774.5	701.7	368.8	432.1	465.9	348.6	270.1	506.4	175.8
	1997	275.4	389.1	615.0	617.7	513.9	393.5	353.7	338.3	103.6	502.5	331.9	337.7
	1998	269.3	214.5	524.2	665.0	477.3	535.5	719.8	443.2	437.0	544.8	324.4	331.8
	1999	236.5	469.4	610.6	522.2	650.1	753.9	683.6	696.2	435.4	307.3	260.4	302.0
	2000	257.2	298.9	674.8	750.2	637.4	524.4	631.2	489.3	469.8	457.7	327.8	342.0
	Mean	294.4	348.2	624.8	678.0	594.0	516.4	560.5	490.3	358.7	424.2	346.3	312.4
	STDEV	79.2	94.6	57.4	96.2	85.8	136.9	145.0	117.2	133.8	110.2	83.0	72.0
	CV	0.27	0.27	0.09	0.14	0.14	0.27	0.26	0.24	0.37	0.26	0.24	0.23
	Upper 95%	449.6	533.5	737.3	866.4	762.1	784.8	844.7	719.9	620.9	640.1	508.9	453.5
	Lower 95%	139.2	162.9	512.2	489.5	426.0	248.0	276.4	260.6	96.4	208.2	183.6	171.3
Cook	1995		136.0	373.6	357.9	294.3	317.5	356.3	333.1	214.6	243.7	149.3	177.0
	1996	153.2	148.5	272.7	330.3	309.9	215.7	373.2	342.3	334.8	345.5	158.4	218.7
	1997	138.0	220.6	276.7	339.9	336.7	262.0	272.5	316.2	169.5	270.5	126.6	137.5
	1998	171.5	80.4	243.2	272.5	328.3	338.8	337.3	289.6	133.4	155.6	113.2	159.7
	1999	270.8	171.7	219.1	272.2	260.0	215.9	298.5	158.9	216.8	234.6	208.6	183.7
	2000	182.4	78.2	389.0	402.1	351.4	301.6	308.0	186.1	78.2	263.8	252.2	162.9
	Mean	183.2	139.2	295.7	329.2	313.4	275.3	324.3	271.0	191.2	252.3	168.1	173.3
	STDEV	51.9	54.7	69.7	50.4	33.0	52.5	37.9	78.9	87.6	61.5	52.7	27.4
	CV	0.28	0.39	0.24	0.15	0.11	0.19	0.12	0.29	0.46	0.24	0.31	0.16
	Upper 95%	284.8	246.4	432.3	428.0	378.1	378.1	398.7	425.6	363.0	372.7	271.4	227.0
	Lower 95%	81.6	32.0	159.1	230.3	248.8	172.4	249.9	116.4	19.4	131.8	64.7	119.5
Elder 14	1995		305.7	1183.0	1412.1	1057.6	1433.2	1438.8	1322.0	975.2	946.0	252.6	252.0

Table C- 14: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:	= Value eliminated based on incomplete records		= Suspect Value										
	1996	473.3	530.5	720.5	1266.7	1535.3	1092.6	1547.4	889.4	1105.3	739.4	259.0	344.9
	1997	413.4	753.4	1068.5	1360.7	1386.6	1223.1	1262.8	799.4	469.0	709.1	642.3	344.1
	1998	316.2	308.3	1152.1	1330.1	1143.7	946.3	1498.4	971.3	885.5	531.9	418.0	521.8
	1999	365.8	644.7	1188.4	944.0	1377.8	934.6	1418.1	1128.5	1224.0	1027.5	464.6	423.4
	2000	216.3	737.0	1035.8	1231.6	1457.6	1164.7	1568.3	1333.4	989.1	911.1	297.9	478.5
	Mean	357.0	546.6	1058.1	1257.5	1326.4	1132.4	1455.6	1074.0	941.4	810.8	389.1	394.1
	STDEV	97.8	201.9	176.6	166.6	185.9	187.1	111.2	224.4	259.4	183.6	151.3	99.4
	CV	0.27	0.37	0.17	0.13	0.14	0.17	0.08	0.21	0.28	0.23	0.39	0.25
	Upper 95%	548.7	942.2	1404.2	1584.2	1690.8	1499.2	1673.6	1513.8	1449.8	1170.7	685.7	588.9
	Lower 95%	165.3	151.0	711.9	930.9	962.1	765.6	1237.7	634.2	432.9	451.0	92.4	199.3
Elder 1	1995		85.6	276.3	306.6	288.7	340.5	395.9	348.3	239.6	163.0	150.9	77.6
	1996	67.6	135.5	301.5	366.2	341.3	397.9	329.9	382.0	172.2	290.4	161.1	133.9
	1997	102.0	146.0	293.3	235.3	296.6	367.9	403.1	437.3	123.0	183.0	126.2	98.1
	1998	127.1		224.4	236.6	337.2	309.1	348.4	349.7	243.0	221.4	198.1	128.9
	1999	138.9	121.0	202.9	226.5	339.1	293.4	225.7	273.9	212.6	194.9	116.2	152.2
	2000	148.7	181.9	253.2	275.1	202.5	184.0	227.2	269.9	123.5	249.7	226.5	159.0
	Mean	116.9	134.0	258.6	274.4	300.9	315.5	321.7	343.5	185.7	217.1	163.2	125.0
	STDEV	32.6	35.2	39.1	54.3	53.4	74.8	78.8	64.2	54.6	47.0	42.3	31.5
	CV	0.28	0.26	0.15	0.20	0.18	0.24	0.24	0.19	0.29	0.22	0.26	0.25
	Upper 95%	180.8	203.0	335.3	380.7	405.6	462.1	476.2	469.3	292.6	309.2	246.1	186.7
	Lower 95%	53.0	65.0	181.9	168.0	196.2	168.8	167.2	217.7	78.7	125.0	80.2	63.2
Elder 3	1995		33.4	60.8	87.2	105.9	157.8	249.7	165.7	202.1	108.5	27.0	78.4
	1996	69.6	55.5	111.8	121.2	214.4	149.2	128.9	222.2	143.4	106.1	39.2	56.4
	1997	44.7	66.5	93.7	65.5	123.3	163.1	214.1	187.4	48.8	61.5	2.0	9.9
	1998	73.4		39.5	93.6	108.9	149.5	154.2	136.1	106.5	120.1	7.9	
	1999	71.8	41.9	49.7	97.4	129.4	156.9	163.0	138.0	146.9	107.1		56.4
	2000	42.5	76.9	52.0	106.7	167.0	173.7	159.3	143.4	55.6	99.8	39.7	89.5
	Mean	60.4	54.8	67.9	95.3	141.5	158.4	178.2	165.5	117.2	100.5	23.2	58.1
	STDEV	15.4	17.7	28.4	18.8	41.9	9.2	44.7	34.1	58.9	20.2	17.5	30.5
	CV	0.26	0.32	0.42	0.20	0.30	0.06	0.25	0.21	0.50	0.20	0.76	0.53
	Upper 95%	90.6	89.5	123.6	132.1	223.6	176.4	265.8	232.2	232.7	140.2	57.5	117.9
	Lower 95%	30.2	20.2	12.2	58.5	59.4	140.3	90.6	98.7	1.7	60.9	-11.2	-1.7

Table C- 14: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence






Legend:			= Value eliminated based on incomplete records						= Suspect Value				
Elder Spill	1995	28.2	39.2	102.3	94.0	107.7	120.9	166.7	142.5	83.2	63.8	37.5	85.1
	1996	44.8	62.7	94.9	101.4	111.8	111.7	98.8	101.7	23.6	98.2	17.9	44.2
	1997		119.4	118.8	95.4	97.9	125.2	113.0	139.9	32.2	31.4	47.1	52.9
	1998	32.2		91.0	109.5	115.8	157.0	169.3	99.4	71.1	35.7	35.7	73.0
	1999	96.0	32.2	118.5	76.5	37.4	132.9	160.8	70.8	43.2	152.2	38.4	56.3
	2000	24.5	79.2	100.4	127.4	157.4	197.2	130.5	53.4	194.8	97.3	39.7	16.1
	Mean	45.1	66.5	104.3	100.7	104.7	140.8	139.9	101.3	74.7	79.8	36.1	54.6
	STDEV	29.4	35.0	11.8	17.0	38.8	31.6	30.1	35.8	63.1	45.7	9.7	23.9
	CV	0.65	0.53	0.11	0.17	0.37	0.22	0.22	0.35	0.85	0.57	0.27	0.44
	Upper 95%	102.8	135.1	127.4	134.1	180.8	202.7	198.8	171.5	198.4	169.3	55.1	101.5
	Lower 95%	-12.6	-2.0	81.2	67.3	28.6	78.9	80.9	31.1	-49.0	-9.8	17.0	7.7
Fillaree	1995		1475.6	2748.3	3121.7	3109.7	4257.3	5653.5	5089.7	2726.4	1562.7	571.6	1159.8
	1996	908.7	1675.0	3609.1	4008.9	3648.6	3578.0	3805.3	4010.7	2395.7	2020.6	1300.1	1190.9
	1997	1234.5	2213.5	3507.1	3521.6	3590.3	4377.5	4319.3	4646.6	2155.0	1584.0	1912.1	757.9
	1998	1296.6	1274.3	3286.3	3617.4	3192.4	3535.6	3576.7	2786.1	2540.9	2434.6	1889.4	1235.9
	1999	1153.8	1982.5	2884.4	2987.8	3393.7	4170.0	3197.4	3141.5	2500.7	1850.6	1086.8	967.8
	2000	1148.4	968.7	2470.4	3222.6	3385.3	3292.9	2880.1	2558.9	2144.6	2096.8	1663.2	1147.3
	Mean	1148.4	1598.3	3084.3	3413.3	3386.7	3868.6	3905.4	3705.6	2410.6	1924.9	1403.9	1076.6
	STDEV	147.4	457.9	452.7	377.0	211.9	453.4	989.7	1036.6	228.5	332.1	522.5	181.0
	CV	0.13	0.29	0.15	0.11	0.06	0.12	0.25	0.28	0.09	0.17	0.37	0.17
	Upper 95%	1437.2	2495.8	3971.6	4152.2	3802.1	4757.1	5845.2	5737.4	2858.5	2575.8	2428.1	1431.3
	Lower 95%	859.6	700.8	2197.0	2674.5	2971.3	2980.0	1965.5	1673.8	1962.6	1274.0	379.7	721.9
Flax	1995		230.9	396.9	415.8	576.8	563.1	621.2	511.1	181.6	313.6	100.3	217.1
	1996	108.3	116.9	406.7	388.8	543.8	428.0	398.2	508.7	373.0	220.2	166.6	63.1
	1997	98.9	157.2	461.2	457.2	454.1	550.2	571.1	529.3	192.7	209.1	171.9	72.4
	1998	97.3	156.1	322.4	446.8	591.0	444.5	725.6	517.1	366.1	203.1	49.6	78.8
	1999	119.3	196.0	294.3	281.9	539.5	530.3	447.0	467.3	414.2	251.4	59.7	89.4
	2000	57.4	207.3	312.2	449.2	611.9	521.7	365.1	323.6	423.8	308.8	211.0	24.6
	Mean	96.2	177.4	365.6	406.6	552.9	506.3	521.4	476.2	325.2	251.0	126.5	90.9
	STDEV	23.4	41.5	65.7	66.2	55.7	56.4	140.9	77.6	109.3	49.5	66.1	65.7
CV	0.24	0.23	0.18	0.16	0.10	0.11	0.27	0.16	0.34	0.20	0.52	0.72	

Table C- 14: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records					= Suspect Value						
	Upper 95%	142.1	258.8	494.5	536.5	662.1	616.9	797.5	628.3	539.5	348.1	256.1	219.7
	Lower 95%	50.3	96.0	236.8	276.8	443.6	395.7	245.2	324.0	110.9	154.0	-3.1	-37.9
Gardner	1995		365.8	432.5	585.4	734.8	672.7	716.5	704.1	616.2	633.8	281.5	316.3
	1996	343.8	287.4	624.8	613.8	530.3	505.5	710.3	609.2	579.4	563.9	224.5	267.2
	1997	342.4	414.0	544.9	501.2	554.9	444.0	618.6	531.7	335.1	514.6	256.0	257.4
	1998	200.6		505.0	637.9	524.3	413.2	563.5	396.5	585.1	543.5	373.1	370.2
	1999	222.1	246.9	431.3	591.1	417.7	724.1	165.7	451.7	177.9	128.8	324.8	254.2
	2000	343.5	284.9	506.4	594.3	432.2	449.2	554.4	418.6	513.3	532.4	303.6	206.3
	Mean	290.5	319.8	507.5	587.3	532.4	534.8	554.8	518.6	467.8	486.2	293.9	278.6
	STDEV	72.6	68.1	72.9	46.4	113.8	131.2	202.9	120.1	174.3	179.9	52.4	56.9
	CV	0.25	0.21	0.14	0.08	0.21	0.25	0.37	0.23	0.37	0.37	0.18	0.20
	Upper 95%	432.8	453.4	650.4	678.1	755.4	791.9	952.5	754.1	809.5	838.7	396.6	390.2
Lower 95%	148.1	186.2	364.5	496.4	309.3	277.6	157.1	283.1	126.1	133.6	191.2	167.0	
Livesley	1995		384.5	1015.5	999.9	784.9	828.9	1213.8	989.0	1106.4	694.4	368.9	340.4
	1996	435.6	394.9	947.4	1071.5	913.8	903.4	837.4	824.1	564.9	513.3	678.4	130.5
	1997	213.8	538.6	871.3	1074.8	941.1	916.0	1274.2	1141.3	809.6	302.0	329.9	319.4
	1998	270.1	211.8	807.9	1198.2	862.5	934.1	1418.6	1160.0	1156.6	628.1	195.0	134.6
	1999	185.6	410.6	882.0	833.3	1240.3	1011.8	872.8	1179.3	655.0	575.4	94.2	197.0
	2000	91.9	164.5	798.0	1274.2	1230.2	1140.7	916.3	953.9	898.2	696.9	210.8	152.0
	Mean	239.4	350.8	887.0	1075.3	995.5	955.8	1088.9	1041.3	865.1	568.4	312.9	212.3
	STDEV	127.2	138.5	83.2	154.2	193.2	107.9	244.3	141.9	237.3	148.3	204.5	94.3
	CV	0.53	0.39	0.09	0.14	0.19	0.11	0.22	0.14	0.27	0.26	0.65	0.44
	Upper 95%	488.8	622.3	1050.1	1377.6	1374.2	1167.3	1567.7	1319.4	1330.3	859.1	713.8	397.2
Lower 95%	-10.0	79.3	723.9	773.0	616.7	744.3	610.0	763.1	399.9	277.6	-88.0	27.5	
Malan	1995	51.4	67.3	127.2	127.8	58.4	45.0	166.4	27.0	105.6	97.1	80.3	45.9
	1996	40.3	68.9	100.1	135.4	97.3	89.8	136.6	18.8	27.4	119.7	69.8	60.0
	1997	46.8	69.8	95.7	94.5	15.6	138.9	78.0	49.5	61.8	37.4	39.4	19.0
	1998	25.2		41.0	23.6	28.4	43.2	40.0	85.8	42.0	125.4	68.7	64.9
	1999	62.9	66.9	100.9	102.5	92.2	35.0	269.1	12.6	39.6	40.8	55.0	34.4
	2000	25.8	97.3	42.8	129.9	164.7	99.7	93.2	220.8	45.0	68.2	29.1	29.4
	Mean	42.1	74.0	84.6	102.3	76.1	75.3	130.6	69.1	53.6	81.4	57.1	42.3

Table C- 14: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records					= Suspect Value						
STDEV	14.8	13.1	34.9	41.9	54.4	41.0	81.1	79.0	27.8	38.5	19.7	17.9	
CV	0.35	0.18	0.41	0.41	0.72	0.55	0.62	1.14	0.52	0.47	0.34	0.42	
Upper 95%	71.1	99.6	153.0	184.3	182.8	155.7	289.5	223.8	108.0	156.9	95.6	77.4	
Lower 95%	13.1	48.5	16.2	20.2	-30.6	-5.2	-28.4	-85.7	-0.9	6.0	18.5	7.1	
Meserve	1995		29.2	182.0	145.5	244.4	258.7	238.3	239.9	12.3	221.4	93.8	6.0
	1996	133.9	98.7	134.6	213.1	192.3	263.0	190.6	280.3		285.4	31.4	126.0
	1997	87.9	126.4	116.4	219.1	210.4	294.7	260.1	112.2		156.0	113.3	
	1998	101.2		158.2	206.2	192.0	284.0	137.1	117.6	109.4	53.2	108.0	90.6
	1999	24.8	104.6	164.1	266.7	95.5	65.6	30.9	240.2	51.6		62.0	63.0
	2000	47.2	147.3	111.8	204.7	249.5	252.9	259.6	273.8	278.1	52.0	94.2	103.2
	Mean	79.0	101.2	144.5	209.2	197.4	236.5	186.1	210.7	112.9	153.6	83.8	77.8
	STDEV	43.4	44.6	28.1	38.7	55.7	85.2	89.6	76.1	117.2	102.9	31.3	46.1
	CV	0.55	0.44	0.19	0.19	0.28	0.36	0.48	0.36	1.04	0.67	0.37	0.59
	Upper 95%	164.1	188.7	199.5	285.2	306.6	403.5	361.7	359.7	342.5	355.3	145.0	168.1
	Lower 95%	-6.1	13.8	89.5	133.3	88.1	69.4	10.5	61.6	-116.8	-48.1	22.5	-12.6
New River	1995		4681.1	8989.8	10799.3	11049.9	10922.2	11316.3	11183.7	8477.4	7917.4	5013.2	4507.7
	1996	5207.5	5729.8	10212.8	12494.1	11208.1	10756.3	10892.4	9232.1	7906.9	8192.5	6300.9	4950.4
	1997	4167.3	5827.6	10153.5	11730.8	11470.8	11316.5	11289.5	10706.2	6641.9	7108.4	5535.9	3547.8
	1998	4956.6	3535.2	8939.7	10583.7	10815.4	9729.0	12034.9	9449.5	6722.8	8654.5	5441.9	4344.1
	1999	5378.7	4469.4	9140.5	9863.5	11370.0	10799.6	10599.8	8683.3	6433.1	5380.7	4619.5	5305.4
	2000	4896.0	5161.7	8745.1	11258.7	11037.9	9936.1	11885.4	8879.3	7082.2	7767.9	5488.9	4054.7
	Mean	4921.2	4900.8	9363.6	11121.7	11158.7	10576.6	11336.4	9689.0	7210.7	7503.6	5400.1	4451.7
	STDEV	464.1	861.8	647.6	921.9	240.3	612.8	553.5	1020.0	808.9	1157.9	565.4	627.2
	CV	0.09	0.18	0.07	0.08	0.02	0.06	0.05	0.11	0.11	0.15	0.10	0.14
	Upper 95%	5830.8	6589.9	10632.8	12928.7	11629.7	11777.7	12421.2	11688.2	8796.3	9773.0	6508.3	5681.0
	Lower 95%	4011.6	3211.7	8094.3	9314.7	10687.6	9375.5	10251.6	7689.8	5625.2	5234.2	4291.8	3222.4
North Central	1995		1006.9	2312.9	2132.6	2500.2	2965.8	3080.7	2893.0	1827.4	1363.6	1148.8	1006.7
	1996	930.9	1210.1	2233.8	2864.3	2522.2	2468.3	2654.8	2468.9	2095.7	1705.3	1283.5	1042.7
	1997	885.4	1322.8	2468.9	2806.9	2687.3	2723.6	2685.5	2725.4	2078.0	1524.1	1120.3	916.0
	1998	953.7	745.8	2068.7	2607.4	2305.9	2518.3	2317.6	2359.2	1546.7	1483.3	984.0	1075.5
	1999	941.2	923.1	1925.8	2424.3	2136.8	2018.5	2158.1	1913.1	1351.4	1662.0	824.2	909.2

Table C- 14: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		▨ = Value eliminated based on incomplete records			▨ = Suspect Value								
	2000	815.1	942.8	1947.4	2509.6	2471.0	2371.4	1937.7	1614.1	1684.9	1432.0	1030.0	987.3
	Mean	905.3	1025.3	2159.6	2557.5	2437.2	2511.0	2472.4	2329.0	1764.0	1528.4	1065.1	989.6
	STDEV	56.6	209.0	215.7	268.1	191.0	321.2	414.1	485.8	295.4	132.4	157.2	66.9
	CV	0.06	0.20	0.10	0.10	0.08	0.13	0.17	0.21	0.17	0.09	0.15	0.07
	Upper 95%	1016.2	1434.9	2582.4	3083.0	2811.6	3140.6	3284.0	3281.0	2343.0	1787.9	1373.3	1120.7
	Lower 95%	794.3	615.6	1736.8	2032.0	2062.9	1881.4	1660.8	1376.9	1185.0	1268.9	757.0	858.4
O'Brien	1995	▨	17.1	123.3	187.0	249.7	289.1	220.0	298.6	108.3	200.8	93.6	45.1
	1996	118.7	53.6	196.9	142.3	150.9	215.8	249.1	118.7	204.9	213.7	157.2	81.6
	1997	121.0	▨	220.9	164.7	232.5	99.7	244.6	71.3	17.4	40.8	163.4	4.8
	1998	108.9	▨	131.5	173.1	113.1	56.1	84.0	240.7	125.7	205.5	134.2	108.3
	1999	58.4	101.4	134.8	212.5	119.8	195.4	88.0	154.7	154.5		79.2	84.1
	2000	98.4	97.9	126.5	270.5	222.0	235.5	158.4	125.4	141.0	137.9	179.1	32.0
	Mean	101.1	71.8	155.7	191.7	181.3	181.9	174.0	168.2	125.3	159.7	134.5	59.3
	STDEV	25.5	36.0	42.1	45.1	60.5	87.5	75.5	85.0	62.2	73.0	40.2	38.5
	CV	0.25	0.50	0.27	0.24	0.33	0.48	0.43	0.51	0.50	0.46	0.30	0.65
	Upper 95%	151.0	142.3	238.2	280.1	300.0	353.4	321.9	334.8	247.3	302.8	213.2	134.9
Lower 95%	51.1	1.3	73.1	103.2	62.7	10.4	26.1	1.7	3.3	16.7	55.7	-16.2	
Pinner	1995	▨	414.8	983.1	1071.7	945.4	1052.4	1176.8	1383.7	528.5	668.6	491.8	556.4
	1996	434.5	751.7	994.0	1175.0	1024.2	952.9	1400.7	919.5	708.0	735.5	411.9	569.4
	1997	357.6	534.5	964.2	1297.0	1112.2	898.2	1219.9	714.3	464.9	772.8	586.2	400.7
	1998	525.7	304.9	847.3	1209.0	1137.2	1113.6	1121.6	854.7	840.2	878.6	666.0	476.4
	1999	403.5	428.1	856.2	1041.8	1213.5	1233.6	1215.9	884.8	614.7	110.9	274.1	426.0
	2000	452.6	593.5	915.0	1154.6	1032.7	1088.0	1174.2	886.8	594.5	531.4	481.1	429.7
	Mean	434.8	504.6	926.6	1158.2	1077.5	1056.5	1218.2	940.6	625.1	616.3	485.2	476.4
	STDEV	62.3	157.3	64.1	92.9	95.5	119.5	96.2	228.6	133.6	273.1	136.3	71.4
	CV	0.14	0.31	0.07	0.08	0.09	0.11	0.08	0.24	0.21	0.44	0.28	0.15
	Upper 95%	556.9	812.8	1052.2	1340.3	1264.6	1290.7	1406.8	1388.8	886.9	1151.5	752.3	616.4
Lower 95%	312.7	196.4	801.0	976.1	890.4	822.2	1029.6	492.5	363.4	81.1	218.0	336.5	
Raymond	1995		213.9	905.6	1105.0	1212.1	1333.2	1384.8	991.6	631.9	927.4	349.9	424.2
	1996	385.6	758.2	969.6	1191.7	1126.6	1462.5	1076.7	890.1	812.4	575.4	660.8	407.8
	1997	307.0	648.6	730.8	1015.4	918.9	775.5	643.1	1045.8	317.2	540.1	635.6	178.3

Table C- 14: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:	= Value eliminated based on incomplete records						= Suspect Value						
	1998	232.7	305.2	810.3	848.3	928.5	958.6	1195.8	1152.2	657.8	786.1	407.7	328.2
	1999	415.6	331.3	976.1	922.6	937.1	1054.2	984.7	852.9	520.1		121.7	332.6
	2000	459.9	494.3	772.1	1020.5	1129.0	1052.5	942.6	832.7	793.3	588.1	343.9	297.9
	Mean	360.2	458.6	860.8	1017.3	1042.0	1106.1	1038.0	960.9	622.1	683.4	419.9	328.2
	STDEV	90.5	213.0	104.4	123.0	128.6	251.1	250.8	124.8	184.5	166.9	202.1	88.3
	CV	0.25	0.46	0.12	0.12	0.12	0.23	0.24	0.13	0.30	0.24	0.48	0.27
	Upper 95%	537.5	876.0	1065.3	1258.3	1294.1	1598.2	1529.6	1205.5	983.8	1010.5	816.1	501.2
	Lower 95%	182.8	41.2	656.2	776.2	790.0	614.0	546.3	716.3	260.4	356.4	23.7	155.2
Reed 13	1995		119.0	211.1	284.9	146.5	127.6	58.5	142.1	74.8	194.1	176.4	47.0
	1996	133.8	102.2	195.5	265.9	123.6	12.0	27.6	226.3	23.0	67.3	135.5	103.5
	1997	130.2	72.2	146.5	222.4	166.6	183.2	236.8	243.2	52.0	178.4	224.7	127.8
	1998	98.4		146.7	247.2	135.3	222.2	208.9	176.4	90.6	157.1	178.6	111.5
	1999	174.5	126.2	185.6	243.7	181.7	83.3	121.4	177.3	51.7		63.9	123.4
	2000	125.1	105.2	128.0	272.1	136.0	118.6	287.9	73.5	137.4	315.4	162.0	119.9
	Mean	132.4	105.0	168.9	256.0	148.3	124.5	156.9	173.1	71.6	182.5	156.9	105.5
	STDEV	27.3	20.8	33.0	22.6	21.8	74.0	103.8	61.1	39.6	89.1	54.0	30.0
	CV	0.21	0.20	0.20	0.09	0.15	0.59	0.66	0.35	0.55	0.49	0.34	0.28
	Upper 95%	186.0	145.7	233.5	300.3	191.1	269.5	360.4	292.9	149.2	357.0	262.7	164.2
	Lower 95%	78.8	64.2	104.3	211.8	105.5	-20.6	-46.7	53.4	-6.0	7.9	51.0	46.8
Reed 15	1995	64.8	95.4	58.1	128.9	177.3	120.9	269.9	176.7	88.4	242.2	75.7	85.8
	1996	97.2	55.2	139.4	204.8	277.1	265.8	160.3	255.6	121.4	94.2	100.0	98.1
	1997	91.0	88.3	207.6	245.3	175.8	144.8	178.9	184.4			127.6	
	1998	152.4	129.0	166.7	182.2	78.0	63.4	237.7	20.2		56.8	154.9	
	1999	317.0	42.1	150.3	125.9	134.9	60.1	129.2	75.0	228.7		51.3	61.5
	2000	121.8	143.6	180.2	238.6	81.4	20.4	53.0	164.3	59.6	126.6	105.3	135.9
	Mean	140.7	92.3	150.4	187.6	154.1	112.6	171.5	146.0	124.5	130.0	102.5	95.3
	STDEV	91.3	39.8	51.1	52.0	74.3	87.5	77.6	84.4	73.9	80.1	36.7	31.0
	CV	0.65	0.43	0.34	0.28	0.48	0.78	0.45	0.58	0.59	0.62	0.36	0.33
	Upper 95%	319.7	170.2	250.6	289.5	299.7	284.0	323.5	311.5	269.4	286.9	174.4	156.1
	Lower 95%	-38.3	14.4	50.2	85.7	8.5	-58.9	19.5	-19.4	-20.3	-27.0	30.6	34.5
Riley 11	1995		78.5	190.7	224.9	118.1	198.0	217.3	98.9	191.7	142.4	36.4	81.7

Table C- 14: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:	= Value eliminated based on incomplete records					= Suspect Value							
	1996	85.7	96.3	216.8	257.2	112.2	31.8	184.5	121.3	42.6	257.9	57.6	103.0
	1997	95.8	136.4	210.9	279.1	132.6	113.4	237.9	123.8	101.0	140.5	172.6	38.4
	1998	132.4	51.5	172.9	266.8	186.1	200.8	199.9	207.1	148.2	136.4	136.0	115.5
	1999	112.1	203.5	191.3	220.2	153.1	103.7	112.4	237.3	64.1		51.2	55.0
	2000	148.1	147.7	239.1	239.8	114.7	64.0	128.4	136.6	81.1	187.8	92.5	75.9
	Mean	114.8	119.0	203.6	248.0	136.1	118.6	180.1	154.2	104.8	173.0	91.1	78.3
	STDEV	25.7	54.7	23.4	23.6	28.8	69.0	49.8	54.9	55.7	51.9	53.6	28.8
	CV	0.22	0.46	0.12	0.10	0.21	0.58	0.28	0.36	0.53	0.30	0.59	0.37
	Upper 95%	165.1	226.3	249.6	294.2	192.6	253.9	277.6	261.8	214.0	274.7	196.1	134.7
	Lower 95%	64.5	11.7	157.7	201.8	79.6	-16.7	82.5	46.5	-4.5	71.3	-14.0	21.8
Salt Creek	1995		3803.7	6103.9	7704.8	7898.1	9662.2	8752.1	8448.3	5557.2	3647.8	2317.0	2359.3
	1996	2897.4	3586.4	6347.4	8620.4	7879.2	8454.4	8250.8	7364.7	5060.3	5865.2	3631.2	2940.0
	1997	3280.8	4161.6	6917.7	8091.3	8148.4	9818.1	10078.0	8820.5	4375.0	4192.4	3675.1	1555.5
	1998	2730.4	2386.7	5985.4	6590.7	8384.2	8185.9	9399.8	7676.5	5217.0	4520.4	3183.9	2701.3
	1999	2426.1	3450.4	6334.9	6770.1	8579.5	8623.4	7543.4	6314.1	4981.3	4186.7	3181.5	2730.9
	2000	2304.3	3894.8	5406.4	7959.4	8949.2	8527.4	8635.5	5653.6	5464.2	4264.7	2757.2	2163.1
	Mean	2727.8	3547.3	6182.6	7622.8	8306.4	8878.6	8776.6	7379.6	5109.2	4446.2	3124.3	2408.4
	STDEV	388.9	620.0	497.7	790.8	416.7	684.8	883.2	1218.3	423.4	751.2	520.3	502.5
	CV	0.14	0.17	0.08	0.10	0.05	0.08	0.10	0.17	0.08	0.17	0.17	0.21
	Upper 95%	3490.0	4762.4	7158.0	9172.8	9123.1	10220.8	10507.6	9767.4	5938.9	5918.5	4144.1	3393.2
	Lower 95%	1965.6	2332.1	5207.2	6072.8	7489.8	7536.3	7045.6	4991.8	4279.4	2973.9	2104.5	1423.5
Seeley	1995		663.5	1440.4	1929.1	1800.8	1778.6	2099.7	1775.9	892.6	985.3	298.9	750.9
	1996	643.9	647.2	1579.7	1715.9	1729.9	2246.9	2199.1	1394.2	1506.0	969.5	675.6	642.6
	1997	633.4	979.4	1554.8	1717.4	1687.9	2083.4	2020.2	1692.9	771.5	918.4	841.5	514.0
	1998	861.1	415.3	1158.6	1855.3	1976.3	1610.5	1976.1	1220.9	927.1	1143.9	715.5	619.1
	1999	544.7	690.9	1569.1	1592.5	1897.3	1882.7	1574.3	1784.3	999.6	1380.2	688.3	693.0
	2000	819.4	644.2	1519.3	1663.0	2181.7	2447.0	1756.6	1390.8	1079.8	1078.9	854.2	582.7
	Mean	700.5	673.4	1470.3	1745.5	1879.0	2008.2	1937.7	1543.2	1029.4	1079.4	679.0	633.7
	STDEV	134.1	180.1	160.8	124.6	182.4	310.4	231.4	238.3	255.4	168.2	201.5	83.0
	CV	0.19	0.27	0.11	0.07	0.10	0.15	0.12	0.15	0.25	0.16	0.30	0.13
	Upper 95%	963.3	1026.4	1785.5	1989.8	2236.4	2616.6	2391.2	2010.3	1530.1	1409.1	1073.9	796.5
	Lower 95%	437.7	320.4	1155.1	1501.3	1521.5	1399.8	1484.1	1076.1	528.8	749.6	284.1	471.0

Table C- 14: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence






Legend:			= Value eliminated based on incomplete records						= Suspect Value				
Similax	1995			44.2	66.6	19.8	57.1	67.1		63.1		44.4	
	1996	29.8	51.2	48.4	24.6	86.6	49.6	72.0	56.4				
	1997		97.8	42.2			28.2	92.3	48.6	47.6		37.0	
	1998	23.0		45.3	68.6	3.4		67.2			53.5	44.8	59.9
	1999	49.2	55.8	115.0	76.9			57.2		65.8		26.2	9.0
	2000			34.7	62.0	19.6	69.8	64.3	17.9	66.8	18.6		
	Mean	34.0	68.3	55.0	59.7	31.5	67.2	62.7	40.6	65.2	36.1	38.5	35.3
	STDEV	13.6	25.7	29.8	20.4	32.1	18.7	8.5	20.2	1.9	24.7	10.6	25.5
	CV	0.40	0.38	0.54	0.34	1.02	0.28	0.13	0.50	0.03	0.68	0.28	0.72
	Upper 95%	60.6	118.6	113.3	99.7	94.4	103.8	79.3	80.2	69.0	84.4	59.3	85.3
	Lower 95%	7.4	17.9	-3.4	19.8	-31.3	30.6	46.2	1.1	61.5	-12.3	17.6	-14.7
	Spruce 1	1995		331.4	339.4	591.3	497.9	620.0	504.2	571.6	414.9	503.4	266.4
1996		324.8	324.4	515.5	663.6	714.4	533.6	428.0	372.1	263.5	670.6	369.0	286.6
1997		326.6	398.9	500.8	522.5	538.1	579.3	619.2	522.5	413.7	552.2	341.2	214.5
1998		183.1	162.0	441.3	599.5	511.9	663.7	581.6	570.8	453.5	544.9	319.0	266.7
1999		324.7	323.2	690.4	576.8	701.7	662.6	524.0	697.2	544.0	396.5	258.6	298.5
2000		201.9	189.7	373.1	742.9	723.3	379.9	465.8	283.2	262.8	419.8	203.6	288.0
Mean		272.2	288.3	476.8	616.1	614.6	573.2	520.5	502.9	392.1	514.6	293.0	252.6
STDEV		73.1	92.0	125.4	76.9	109.0	107.1	71.1	150.2	110.5	99.7	61.1	53.9
CV		0.27	0.32	0.26	0.12	0.18	0.19	0.14	0.30	0.28	0.19	0.21	0.21
Upper 95%		415.5	468.5	722.5	766.7	828.1	783.1	659.9	797.3	608.7	710.0	412.7	358.2
Lower 95%		129.0	108.0	231.0	465.5	401.0	363.3	381.0	208.5	175.4	319.1	173.2	147.0
Spruce 3		1995	136.1	171.1	326.4	262.7	410.2	517.6	591.7	337.8	220.7	225.3	50.7
	1996	126.1	201.3	246.8	416.0	425.2	297.2	272.6	447.4	230.4	288.3	131.5	58.3
	1997	181.4	142.0	228.3	384.7	332.6	485.2	494.6	440.6	208.8	246.6	84.7	154.3
	1998	120.9		223.6	265.9	382.5	448.3	460.5	292.0	175.1	248.8	152.3	140.3
	1999	199.5	244.2	439.0	236.2	274.8	461.5	402.0	305.6	226.0	65.2	152.3	98.3
	2000	262.8	157.3	337.3	331.4	187.0	237.4	264.9	197.9	12.3	268.6	198.6	26.0
	Mean	171.1	183.2	300.2	316.2	335.4	407.9	414.4	336.9	178.9	223.8	128.4	114.8
	STDEV	54.9	40.5	83.9	73.0	91.2	113.0	128.5	95.2	84.0	80.6	53.0	67.6
	CV	0.32	0.22	0.28	0.23	0.27	0.28	0.31	0.28	0.47	0.36	0.41	0.59

Table C- 14: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records					= Suspect Value						
	Upper 95%	278.8	262.6	464.7	459.3	514.1	629.3	666.3	523.4	343.5	381.7	232.2	247.3
	Lower 95%	63.5	103.8	135.7	173.0	156.6	186.4	162.5	150.4	14.2	65.9	24.5	-17.8
Spruce 4	1995		76.0	174.3	143.6	147.6	89.8		58.3	85.4	125.8	64.4	71.3
	1996	87.1	63.1	115.1	208.4	240.2	213.8	206.2	150.0	124.9	63.3	89.5	26.8
	1997	126.7	59.0	113.9	149.9	199.7	109.5	248.1	239.6	63.5	55.8	117.9	30.4
	1998	109.5	45.3	133.7	128.7	152.3	272.4	312.8	90.0		156.8	44.8	74.7
	1999	87.4	60.2	176.7	126.6	150.6	240.1	263.6	155.4	79.6	44.8	124.8	37.7
	2000	70.2	148.3	92.9	162.0	60.3	337.4	309.7	151.0	207.2	80.1	24.0	22.6
	Mean	96.2	75.3	134.4	153.2	158.5	210.5	268.1	140.7	112.1	87.8	77.6	43.9
	STDEV	22.0	37.1	34.3	30.1	60.4	95.5	44.7	62.5	57.7	44.1	40.3	23.1
	CV	0.23	0.49	0.26	0.20	0.38	0.45	0.17	0.44	0.52	0.50	0.52	0.53
	Upper 95%	139.4	148.0	201.7	212.2	276.8	397.7	355.6	263.3	225.3	174.3	156.5	89.2
Lower 95%	53.0	2.7	67.1	94.2	40.1	23.3	180.5	18.2	-1.1	1.3	-1.4	-1.3	
Spruce	1995		793.6	1543.4	1681.3	1626.6	1592.5	1569.8	1697.6	1073.3	1372.4	851.3	761.1
	1996	595.5	962.6	1527.0	1524.9	1640.2	1522.6	1340.1	1389.1	1043.1	1470.6	1004.1	798.3
	1997	490.4	1022.6	1305.8	1615.3	1529.1	1229.5	1541.7	1144.6	744.6	1135.8	647.6	551.1
	1998	800.3		1035.3	1277.9	1428.5	1370.8	1642.5	1407.2	692.0	1031.6	689.0	827.2
	1999	792.3	492.5	1273.8	1177.6	1151.1	1254.7	915.0	1188.5	691.7	1205.9	795.0	777.4
	2000	657.4	506.4	1214.7	1456.1	1556.7	534.0	943.6	1219.0	672.7	1181.4	1280.4	604.5
	Mean	667.2	755.5	1316.7	1455.5	1488.7	1250.7	1325.5	1341.0	819.6	1233.0	877.9	719.9
	STDEV	132.2	248.4	193.5	195.0	182.1	379.3	323.0	205.2	186.6	160.8	234.2	113.6
	CV	0.20	0.33	0.15	0.13	0.12	0.30	0.24	0.15	0.23	0.13	0.27	0.16
	Upper 95%	926.2	1242.5	1695.9	1837.7	1845.6	1994.1	1958.4	1743.2	1185.4	1548.1	1336.9	942.5
Lower 95%	408.2	268.6	937.5	1073.3	1131.8	507.3	692.5	938.8	453.8	917.8	418.9	497.4	
Sumac	1995		405.8	906.2	854.4	873.0	939.0	1006.8	969.9	937.1	847.7	503.7	461.7
	1996	518.9	510.7	793.0	816.9	871.1	687.3	938.2	687.1	497.5	918.1	646.1	576.3
	1997	510.3	448.5	831.6	881.6	1047.6	1006.8	1290.4	714.8	377.0	1003.2	613.4	401.0
	1998	404.0	335.8	537.2	796.5	1010.0	735.6	1012.0	891.7	640.0	1065.5	576.7	389.2
	1999	336.9	573.2	931.6	880.0	949.1	730.7	690.2	760.8	538.2	742.5	452.9	505.9
	2000	472.1	648.6	797.6	1125.0	907.1	812.7	966.9	813.5	746.9	750.6	409.1	484.5
	Mean	448.4	487.1	799.5	892.4	943.0	818.7	984.1	806.3	622.8	887.9	533.7	469.8

Table C- 14: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records					= Suspect Value						
STDEV	77.1	114.1	140.5	118.9	73.2	127.9	191.8	108.4	198.9	132.2	93.6	69.5	
CV	0.17	0.23	0.18	0.13	0.08	0.16	0.19	0.13	0.32	0.15	0.18	0.15	
Upper 95%	599.5	710.6	1074.9	1125.5	1086.5	1069.4	1360.0	1018.8	1012.6	1147.0	717.1	606.0	
Lower 95%	297.4	263.6	524.1	659.3	799.4	568.0	608.2	593.8	233.0	628.9	350.2	333.5	
Tamarack	1995		236.8	670.9	726.2	937.8	813.3	748.5	632.3	892.8	590.6	439.9	376.1
	1996	364.0	370.6	766.4	908.0	780.3	801.3	652.2	627.2	627.3	624.6	365.4	382.5
	1997	392.0	430.5	676.2	985.4	854.6	680.6	565.1	898.1	528.4	523.3	564.9	227.9
	1998	338.7	150.0	687.8	807.4	900.0	659.8	918.0	630.3	872.3	441.0	432.2	394.2
	1999	372.5	301.8	725.0	758.2	899.6	366.1	626.9	334.9	733.7	716.6	479.9	396.7
	2000	241.5	336.2	593.7	841.4	924.1	574.3	811.1	675.3	603.9	535.1	428.3	363.9
	Mean	341.7	304.3	686.7	837.8	882.7	649.2	720.3	633.0	709.7	571.9	451.8	356.9
	STDEV	59.2	99.7	58.0	96.4	57.6	165.5	130.8	179.4	149.3	94.8	66.5	64.3
	CV	0.17	0.33	0.08	0.12	0.07	0.25	0.18	0.28	0.21	0.17	0.15	0.18
	Upper 95%	457.8	499.7	800.4	1026.7	995.7	973.6	976.7	984.7	1002.3	757.6	582.1	483.0
Lower 95%	225.7	108.9	573.0	648.9	769.8	324.9	463.9	281.3	417.2	386.1	321.4	230.8	
Timothy 1	1995		1271.5	2840.8	3420.4	2694.1	2699.7	2582.1	2390.8	2081.1	2282.3	1602.2	1059.5
	1996	1155.4	1546.0	2444.7	3021.8	3320.6	2613.2	2917.6	2355.1	1999.7	2083.3	1067.5	1256.1
	1997	1066.9	1732.8	2467.2	2982.1	2555.7	2567.3	2673.6	2408.3	1723.7	1864.9	1393.0	1142.5
	1998	1192.0		2250.2	2870.8	2703.0	2282.0	2983.4	1936.8	1776.1	2791.9	1935.0	1487.0
	1999	1560.0	1589.4	2703.5	2657.0	2760.9	2411.3	2247.6	2089.9	1548.1	1853.4	1540.7	1546.1
	2000	1528.2	1583.8	3026.2	3113.9	2471.4	1961.3	2615.3	2283.1	1696.2	1790.9	1398.7	1053.5
	Mean	1300.5	1544.7	2622.1	3011.0	2751.0	2422.5	2669.9	2244.0	1804.2	2111.1	1489.5	1257.5
	STDEV	227.3	168.5	286.9	254.6	298.8	270.8	264.1	190.0	199.7	380.3	286.2	214.5
	CV	0.17	0.11	0.11	0.08	0.11	0.11	0.10	0.08	0.11	0.18	0.19	0.17
	Upper 95%	1745.9	1874.9	3184.4	3510.0	3336.6	2953.3	3187.5	2616.4	2195.6	2856.5	2050.4	1677.8
Lower 95%	855.1	1214.5	2059.8	2512.0	2165.3	1891.6	2152.3	1871.6	1412.7	1365.7	928.6	837.1	
Timothy 2	1995		281.5	672.0	725.6	560.0	457.2	564.9	386.3	512.7	524.4	403.3	246.2
	1996	262.1	235.7	557.6	708.6	734.2	313.6	576.4	435.6	347.2	517.4	317.2	263.1
	1997	189.2	373.0	435.4	533.0	538.0	479.5	505.3	315.9	358.2	538.7	436.8	188.4
	1998	154.5	135.7	370.0	454.2	558.8	535.5	511.5	384.1	56.3	475.4	165.5	140.1
	1999	288.5	94.2	463.7	478.7	512.4	346.7	438.7	320.4	455.7	401.8	356.5	247.3

Table C- 14: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records					= Suspect Value						
	2000	290.3	265.6	410.1	478.7	267.0	352.4	270.3	453.5	284.1	585.8	223.4	298.1
	Mean	236.9	231.0	484.8	563.1	528.4	414.2	477.9	382.6	335.7	507.3	317.1	230.5
	STDEV	61.7	101.7	111.3	122.1	150.3	88.7	112.9	56.9	159.4	62.8	105.0	56.8
	CV	0.26	0.44	0.23	0.22	0.28	0.21	0.24	0.15	0.47	0.12	0.33	0.25
	Upper 95%	357.8	430.3	703.0	802.5	823.0	588.0	699.2	494.1	648.2	630.2	522.8	341.8
	Lower 95%	116.0	31.6	266.6	323.7	233.8	240.3	256.5	271.2	23.2	384.3	111.4	119.3
Trifolium 3	1995		997.7	1808.9	2249.3	1768.9	1709.5	1843.8	2287.5	1145.6	1944.8	733.0	1092.7
	1996	905.9	1208.7	2014.2	2197.1	1741.3	1507.0	2128.0	1931.2	1110.9	1647.6	1288.1	783.7
	1997	1055.2	1112.5	2038.2	2036.2	2021.5	2049.2	1902.7	2013.5	1059.7	1375.9	1162.8	663.0
	1998	943.5		1711.0	2232.6	2226.1	1676.6	2279.7	1976.9	1074.2	1735.2	1123.8	745.2
	1999	1068.0	1145.4	2303.6	2332.7	1835.8	1881.4	1573.6	1533.7	1023.1	782.0	709.2	1093.3
	2000	929.8	1025.2	1819.2	2164.4	2208.0	1531.2	1667.1	1479.9	1774.0	1432.7	890.8	904.9
	Mean	980.5	1097.9	1949.2	2202.1	1966.9	1725.8	1899.2	1870.5	1197.9	1486.4	984.6	880.5
	STDEV	75.4	86.7	215.0	99.2	217.1	208.4	268.4	308.3	285.4	402.3	241.3	182.1
	CV	0.08	0.08	0.11	0.05	0.11	0.12	0.14	0.16	0.24	0.27	0.25	0.21
	Upper 95%	1128.3	1267.8	2370.5	2396.4	2392.4	2134.4	2425.1	2474.8	1757.2	2274.9	1457.6	1237.5
Lower 95%	832.7	928.0	1527.8	2007.7	1541.5	1317.3	1373.2	1266.1	638.6	697.8	511.6	523.5	
Trifolium 4	1995		968.1	1970.8	1957.3	1891.8	1835.3	1815.0	1878.2	1402.3	1544.4	939.3	816.4
	1996	990.6	1237.0	1973.2	2386.0	1787.0	1547.2	1639.9	1643.2	1187.0	1431.1	757.2	969.4
	1997	999.5	1566.9	2365.0	2441.6	1368.9	937.9	1042.2	1733.4	990.8	1240.7	994.7	527.8
	1998	1079.6		1777.8	2275.1	1858.3	1439.0	1721.3	1760.7	1243.6	1512.6	1034.7	992.6
	1999	974.6	1192.8	1908.2	2025.0	1748.2	1711.1	1498.7	1521.3	1357.9	314.9	425.5	1162.1
	2000	781.0	1003.8	1813.2	2146.0	1576.9	1559.8	1612.7	1271.7	1305.2	1582.6	902.0	749.7
	Mean	965.1	1193.7	1968.0	2205.2	1705.2	1505.1	1555.0	1634.8	1247.8	1271.1	842.2	869.7
	STDEV	110.6	238.8	210.4	195.4	198.2	310.6	272.7	214.3	147.7	483.9	225.5	221.2
	CV	0.11	0.20	0.11	0.09	0.12	0.21	0.18	0.13	0.12	0.38	0.27	0.25
	Upper 95%	1181.8	1661.8	2380.4	2588.1	2093.6	2113.8	2089.5	2054.8	1537.3	2219.5	1284.2	1303.2
Lower 95%	748.3	725.7	1555.6	1822.2	1316.8	896.3	1020.4	1214.7	958.3	322.6	400.3	436.1	
Trifolium 6	1995		1536.2	3062.5	3574.2	2914.0	2927.2	2780.5	2996.6	2733.0	2600.0	1556.1	1361.8
	1996	1344.2	2159.7	2910.6	3452.9	2958.6	2814.1	3352.3	2584.8	2431.3	1963.5	1531.5	1262.0
	1997	1602.1	1852.7	2924.1	3162.2	3138.4	2662.9	3193.0	2686.8	1659.9	2046.4	1861.4	973.2

Table C- 14: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:	= Value eliminated based on incomplete records						= Suspect Value							
	1998	1547.2		2783.0	3320.1	3005.5	2824.7	3374.9	2548.1	2019.2	2517.9	1528.6	1409.7	
	1999	2030.7	1793.8	3342.8	2801.7	2611.6	2160.7	2125.7	2219.2	1822.1	458.2	802.5	1764.6	
	2000	1599.6	1718.2	2771.7	3119.0	2794.2	2171.2	2470.4	2549.9	1949.6	1815.0	1644.2	949.5	
	Mean	1624.8	1812.1	2965.8	3238.4	2903.7	2593.5	2882.8	2597.6	2102.5	1900.2	1487.4	1286.8	
	STDEV	250.3	227.9	213.2	274.3	182.1	341.7	512.4	251.1	402.6	772.4	358.3	303.9	
	CV	0.15	0.13	0.07	0.08	0.06	0.13	0.18	0.10	0.19	0.41	0.24	0.24	
	Upper 95%	2115.4	2258.8	3383.7	3776.0	3260.7	3263.3	3887.0	3089.7	2891.6	3414.1	2189.7	1882.4	
	Lower 95%	1134.1	1365.4	2547.8	2700.7	2546.7	1923.6	1878.6	2105.4	1313.4	386.2	785.1	691.2	
Trifolium 7	1995			2796.5	4385.0	4272.1	4410.3	3897.7	5095.8	4141.6	2885.6	3456.4	2140.8	2098.0
	1996	2558.1	2962.9	4233.0	4644.3	4320.9	3806.0	4650.6	3508.0	2508.7	3520.7	2247.4	1834.0	
	1997	1934.2	3049.1	3733.2	4501.6	4301.3	4373.1	4685.9	4039.9	2859.3	2933.8	1965.1	1722.4	
	1998	2250.7		4809.5	4802.1	4042.7	3633.1	4311.1	4051.9	3629.7	3253.9	2295.9	2233.4	
	1999	2813.8	3001.9	4293.3	4405.7	4031.1	3521.1	3375.7	3586.2	3050.1	3340.9	1489.6	2586.6	
	2000	2188.3	2850.2	4110.0	4607.6	4369.3	3767.2	4081.6	3969.3	2766.6	3141.2	2153.6	1742.3	
	Mean	2349.0	2932.1	4260.7	4538.9	4245.9	3833.0	4366.8	3882.8	2950.0	3274.5	2048.7	2036.1	
	STDEV	341.8	105.6	352.0	187.3	166.4	296.0	596.7	266.9	377.6	215.6	296.5	338.0	
	CV	0.15	0.04	0.08	0.04	0.04	0.08	0.14	0.07	0.13	0.07	0.14	0.17	
	Upper 95%	3018.9	3139.1	4950.5	4906.0	4572.0	4413.3	5536.4	4405.9	3690.0	3697.0	2629.9	2698.7	
	Lower 95%	1679.1	2725.1	3570.8	4171.8	3919.9	3252.8	3197.2	3359.7	2210.0	2851.9	1467.5	1373.5	
Trifolium 8	1995			1100.5	2097.3	2177.8	1936.2	2103.1	2470.3	1634.1	1433.9	1324.9	1296.1	1044.8
	1996	1427.3	1495.5	2541.6	2732.6	2153.3	1588.3	1826.9	1467.8	1125.3	1311.1	912.2	988.0	
	1997	945.6	1516.5	2263.3	2800.0	1792.9	1681.5	2257.4	2004.1	984.1	1750.9	1091.3	886.9	
	1998	1099.5		1881.5	1861.3	2277.6	2122.2	2812.2	2183.4	1307.9	1788.2	1204.9	1269.9	
	1999	1180.0	1087.9	1819.1	2140.0	2107.6	1650.6	1944.9	1941.5	1367.6	873.3	658.9	1095.5	
	2000	1284.6	1404.9	2180.4	2557.0	1892.9	2280.6	2348.6	1742.7	1490.0	1405.7	1101.8	796.2	
	Mean	1187.4	1321.1	2130.5	2378.1	2026.8	1904.4	2276.7	1828.9	1284.8	1409.0	1044.2	1013.6	
	STDEV	182.5	211.3	264.3	374.1	182.4	297.5	358.4	262.6	193.7	336.0	228.3	165.7	
	CV	0.15	0.16	0.12	0.16	0.09	0.16	0.16	0.14	0.15	0.24	0.22	0.16	
	Upper 95%	1545.1	1735.3	2648.5	3111.3	2384.2	2487.4	2979.1	2343.6	1664.4	2067.5	1491.7	1338.4	
	Lower 95%	829.7	906.8	1612.6	1645.0	1669.3	1321.3	1574.3	1314.2	905.2	750.5	596.7	688.7	
Trifolium 9	1995			1760.2	3170.2	3640.8	4027.0	3605.9	3843.2	2839.0	2991.1	2762.5	1708.8	1827.2

Table C- 14: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:	= Value eliminated based on incomplete records						= Suspect Value						
	1996	2054.1	2383.3	3679.2	4441.7	3653.1	3036.1	3379.2	3321.2	2682.1	2869.6	2282.6	2134.5
	1997	1881.7	2235.0	3620.9	3697.6	3084.1	3125.2	2724.5	2864.9	2262.6	2283.6	2272.4	1290.1
	1998	1947.2		3181.0	4164.0	3751.1	2861.2	3871.8	3110.9	2125.9	3044.3	2089.9	2219.6
	1999	2256.6	1943.4	3266.1	3099.1	3728.5	2762.4	2607.1	2731.7	3152.2	1939.2	1877.7	1978.8
	2000	1728.9	2124.7	3036.1	3761.7	2872.8	2222.1	3311.1	2138.0	2194.3	2552.8	1879.3	1428.4
	Mean	1973.7	2089.3	3325.6	3800.8	3519.4	2935.5	3289.5	2834.3	2568.0	2575.3	2018.5	1813.1
	STDEV	197.2	244.2	262.5	463.2	442.8	456.1	536.5	402.5	438.6	407.9	234.3	378.9
	CV	0.10	0.12	0.08	0.12	0.13	0.16	0.16	0.14	0.17	0.16	0.12	0.21
	Upper 95%	2360.3	2567.9	3840.2	4708.7	4387.4	3829.4	4341.0	3623.1	3427.6	3374.8	2477.6	2555.7
	Lower 95%	1587.1	1610.7	2811.0	2892.9	2651.5	2041.6	2238.0	2045.4	1708.4	1775.9	1559.3	1070.5
Trifolium 10	1995		1337.4	2847.4	3177.1	2109.8	2338.9	2275.5	2565.6	1920.8	1802.1	1334.1	900.4
	1996												
	1997												
	1998												
	1999					2446.4	1862.3	1697.7	1949.8	1793.1	1027.9	1104.1	1320.3
	2000	1114.6	1522.9	2022.1	2455.1	2372.9	1815.5	2154.3	1808.5	1111.2	1762.4	1292.1	914.9
	Mean	1114.6	1430.2	2434.8	2816.1	2309.7	2005.6	2042.5	2108.0	1608.4	1530.8	1243.4	1045.2
	STDEV		131.2	583.6	510.5	177.0	289.6	304.7	402.6	435.3	436.0	122.5	238.4
	CV		0.09	0.24	0.18	0.08	0.14	0.15	0.19	0.27	0.28	0.10	0.23
	Upper 95%		1687.2	3578.6	3816.7	2656.6	2573.2	2639.7	2897.0	2461.5	2385.3	1483.5	1512.4
	Lower 95%		1173.1	1290.9	1815.5	1962.8	1437.9	1445.3	1318.9	755.2	676.3	1003.4	578.0
Trifolium 11	1995	306.3	601.0	1292.1	1727.7	1262.6	1103.3	1026.1	979.2	1028.1	854.6	701.4	499.6
	1996												
	1997												
	1998												
	1999												
	2000												
	Mean	306.3	601.0	1292.1	1727.7	1262.6	1103.3	1026.1	979.2	1028.1	854.6	701.4	499.6
	STDEV												
	CV												
	Upper 95%												
	Lower 95%												

Table C- 14: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence




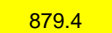

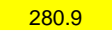
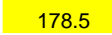


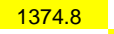
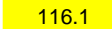

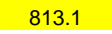
Legend:			= Value eliminated based on incomplete records						= Suspect Value						
Vail	1995		416.1	666.6		879.4	517.5	444.5	766.7	321.4	197.8	568.7	144.4	309.9	
	1996	270.6	320.7	746.9	611.0	449.4	763.4	633.7	526.7	386.3	439.2	314.9	332.1		
	1997	240.5	428.1	541.6	599.1	765.4	933.1	701.5	776.5	437.5		148.6	281.3	279.2	
	1998	252.3	192.1	541.7	675.6	287.2	246.7		280.9	604.2	662.3	535.7	256.7	328.0	
	1999	376.2	240.5	463.6	618.6	749.2	762.9	567.0	589.4	587.4		134.0	367.5		
	2000	285.9	289.4	589.1	648.3	638.3	780.9	802.3	615.9	387.8	408.9	207.5		178.5	
	Mean	285.1	314.5	591.6	672.0	567.8	655.3	625.4	572.4	443.2	420.2	223.1	299.2		
	STDEV	53.8	94.2	101.1	105.3	185.6	256.0	189.3	148.3	164.5	165.6	73.9	65.8		
	CV	0.2	0.3	0.2	0.2	0.3	0.4	0.3	0.3	0.4	0.4	0.3	0.2		
	Upper 95%	390.5	499.1	789.8	878.5	931.6	1157.0	996.4	863.0	765.7	744.7	368.0	428.2		
Lower 95%	179.7	129.9	393.4	465.5	204.1	153.5	254.3	281.7	120.7	95.7	78.3	170.2			
Wixom	1995		297.8	463.1	492.8	600.8	800.1	671.9	727.2	466.4	155.8	172.7	193.1		
	1996	123.6	343.8	624.6	640.0	514.6	770.5	621.9	510.2	399.3	598.7	103.3	212.5		
	1997	87.3	269.7	592.8	641.9	593.6	678.6	803.8	842.3	311.8	407.6	94.9	73.7		
	1998	145.6	149.6	431.0	444.0	671.4	619.8	694.9	849.9	565.4	383.6	182.2	66.3		
	1999	74.9	157.6	414.6	574.7	764.2	882.6	459.4	541.8	331.0	294.2	222.2	118.5		
	2000	132.3	270.0	523.7	725.7	849.9	651.0	1024.1	622.8	543.3	448.2	163.5	95.1		
	Mean	112.7	248.1	508.3	586.5	665.8	733.8	712.7	682.4	436.2	381.4	156.5	126.5		
	STDEV	30.2	78.1	86.8	104.4	123.2	100.8	189.6	147.4	106.8	148.9	48.8	62.1		
	CV	0.27	0.31	0.17	0.18	0.19	0.14	0.27	0.22	0.24	0.39	0.31	0.49		
	Upper 95%	172.0	401.1	678.5	791.2	907.2	931.3	1084.2	971.2	645.4	673.2	252.1	248.3		
Lower 95%	53.5	95.1	338.1	381.8	424.3	536.2	341.1	393.5	227.0	89.5	60.8	4.8			
Wormwood 7	1995		473.3	900.7	1109.5	1172.3	1177.4	1063.5	1086.9	382.5	689.7	362.5	445.8		
	1996	358.3	312.7	993.7	1001.6	927.4	1066.9	1001.3	896.6	653.5	630.8	471.2	566.0		
	1997	463.6	574.3	835.1	1094.1	1233.0		1374.8	1113.0	1231.9	329.3	452.4	430.6		116.1
	1998	547.7		886.0	1018.9	1119.3	1046.8		813.1	706.5	773.5	863.7	498.6	335.0	
	1999	651.6	359.1	937.9	1042.7	1128.4	1074.7	1106.2	1101.2	710.3		260.2	409.8		
	2000	437.1	418.6	845.0	1036.5	1033.3	1102.0	1095.8	710.7	504.2	641.1	420.0	464.7		
	Mean	491.7	427.6	899.7	1050.6	1102.3	1140.4	1032.2	955.6	558.9	655.5	407.2	389.6		
	STDEV	112.1	102.0	59.4	42.5	108.0	123.5	114.9	219.2	181.5	147.1	85.8	153.7		
	CV	0.23	0.24	0.07	0.04	0.10	0.11	0.11	0.23	0.32	0.22	0.21	0.39		

Table C- 14: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence



Legend:			= Value eliminated based on incomplete records						= Suspect Value				
Upper 95%	711.4	627.4	1016.2	1133.8	1313.9	1382.5	1257.3	1385.3	914.7	943.9	575.3	690.8	
Lower 95%	271.9	227.8	783.3	967.3	890.6	898.4	807.0	526.0	203.1	367.2	239.1	88.3	

Table C- 15: Irrigation Delivery Ratios

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
All-American 10	1995	0.017	0.011	0.009	0.013	0.016	0.013	0.013	0.014	0.017	0.016	0.014	0.021
	1996	0.016	0.012	0.013	0.014	0.011	0.012	0.014	0.016	0.019	0.016	0.017	0.016
	1997	0.021	0.010	0.013	0.014	0.014	0.010	0.014	0.014	0.017	0.016	0.017	0.021
	1998	0.017	0.012	0.011	0.013	0.014	0.015	0.014	0.016	0.020	0.012	0.020	0.016
	1999	0.016	0.015	0.013	0.013	0.015	0.018	0.016	0.019	0.015	0.017	0.015	0.018
	2000	0.019	0.017	0.011	0.013	0.018	0.018	0.015	0.017	0.014	0.010	0.021	0.014
All-American 14	1995	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0001	0.0003
	1996	0.0003	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0003
	1997	0.0002	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0003	0.0004
	1998	0.0003	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0003	0.0003
	1999	0.0001	0.0002	0.0002	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0003
	2000	0.0003	0.0003	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0003	0.0004
All-American 9	1995	0.004	0.004	0.008	0.006	0.008	0.010	0.008	0.009	0.010	0.011	0.005	0.000
	1996	0.005	0.004	0.007	0.009	0.010	0.010	0.010	0.012	0.012	0.009	0.004	0.001
	1997	0.004	0.004	0.008	0.009	0.013	0.009	0.011	0.008	0.013	0.007	0.007	0.003
	1998	0.003	0.006	0.006	0.007	0.012	0.007	0.005	0.012	0.002	0.012	0.006	0.006
	1999	0.004	0.010	0.006	0.009	0.004	0.004	0.004	0.011	0.009	0.007	0.004	0.006
	2000	0.004	0.008	0.006	0.007	0.008	0.005	0.006	0.009	0.001	0.007	0.004	0.000
Baughman	1995	0.006	0.004	0.007	0.006	0.007	0.008	0.007	0.007	0.006	0.005	0.009	0.004
	1996	0.008	0.006	0.007	0.005	0.007	0.007	0.004	0.008	0.004	0.008	0.006	0.005
	1997	0.004	0.007	0.005	0.005	0.006	0.008	0.009	0.006	0.003	0.003	0.004	0.011
	1998	0.010	0.007	0.007	0.006	0.005	0.004	0.005	0.006	0.002	0.007	0.007	0.007
	1999	0.005	0.008	0.006	0.004	0.006	0.008	0.007	0.006	0.005	0.002	0.003	0.003
	2000	0.007	0.005	0.006	0.006	0.007	0.004	0.006	0.007	0.008	0.006	0.002	0.003
Beech	1995	0.022	0.030	0.027	0.024	0.022	0.019	0.020	0.017	0.018	0.023	0.034	0.024
	1996	0.027	0.030	0.025	0.020	0.019	0.022	0.024	0.022	0.026	0.025	0.036	0.026
	1997	0.024	0.029	0.025	0.023	0.023	0.022	0.020	0.022	0.013	0.028	0.023	0.025
	1998	0.017	0.023	0.028	0.027	0.021	0.020	0.023	0.023	0.023	0.025	0.020	0.032

Table C- 15: Irrigation Delivery Ratios

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1999	0.022	0.022	0.025	0.024	0.025	0.022	0.023	0.021	0.012	0.027	0.011	0.025
	2000	0.024	0.028	0.027	0.026	0.028	0.022	0.025	0.026	0.029	0.026	0.026	0.022
Best	1995	0.008	0.008	0.008	0.007	0.006	0.006	0.011	0.006	0.009	0.004	0.004	0.013
	1996	0.010	0.008	0.009	0.009	0.004	0.005	0.010	0.004	0.010	0.003	0.009	0.008
	1997	0.010	0.008	0.010	0.009	0.003	0.002	0.006	0.002	0.008	0.008	0.008	0.006
	1998	0.010	0.009	0.010	0.006	0.004	0.006	0.006	0.003	0.006	0.008	0.010	0.007
	1999	0.006	0.009	0.009	0.009	0.006	0.005	0.008	0.005	0.006	0.003	0.005	0.011
	2000	0.008	0.003	0.009	0.008	0.004	0.011	0.009	0.004	0.006	0.006	0.009	0.008
Birch 3	1995	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.001	0.001	0.002	0.002	0.001
	1996	0.001	0.002	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.001	0.003	0.002
	1997	0.002	0.002	0.002	0.002	0.001	0.002	0.002	0.003	0.001	0.002	0.002	0.001
	1998	0.001	0.002	0.003	0.002	0.002	0.003	0.002	0.004	0.002	0.003	0.003	0.003
	1999	0.002	0.002	0.003	0.003	0.003	0.002	0.002	0.003	0.000	0.004	0.001	0.003
	2000	0.003	0.002	0.002	0.002	0.002	0.002	0.001	0.001	0.001	0.003	0.001	0.002
Blue Lake	1995	0.012	0.006	0.009	0.009	0.013	0.012	0.012	0.012	0.009	0.016	0.011	0.014
	1996	0.011	0.007	0.007	0.012	0.013	0.015	0.015	0.011	0.018	0.015	0.010	0.008
	1997	0.013	0.010	0.013	0.013	0.013	0.014	0.013	0.013	0.009	0.018	0.015	0.013
	1998	0.014	0.007	0.011	0.012	0.013	0.016	0.014	0.010	0.016	0.014	0.014	0.015
	1999	0.014	0.009	0.014	0.013	0.013	0.014	0.013	0.015	0.012	0.015	0.014	0.010
	2000	0.012	0.011	0.012	0.011	0.014	0.016	0.014	0.014	0.011	0.013	0.010	0.014
Bullhead Slough	1995	0.011	0.011	0.009	0.014	0.014	0.018	0.012	0.013	0.014	0.012	0.009	0.011
	1996	0.009	0.011	0.010	0.014	0.015	0.017	0.013	0.014	0.010	0.012	0.017	0.011
	1997	0.012	0.009	0.011	0.013	0.015	0.019	0.016	0.015	0.011	0.013	0.012	0.014
	1998	0.013	0.010	0.011	0.016	0.015	0.014	0.014	0.013	0.014	0.015	0.014	0.012
	1999	0.015	0.013	0.014	0.016	0.015	0.015	0.015	0.012	0.015	0.012	0.010	0.009
	2000	0.010	0.010	0.014	0.013	0.014	0.016	0.016	0.013	0.012	0.014	0.007	0.013
Cole	1995	0.008	0.009	0.010	0.010	0.008	0.007	0.007	0.007	0.007	0.009	0.011	0.013
	1996	0.009	0.011	0.011	0.010	0.010	0.006	0.006	0.008	0.008	0.006	0.009	0.012
	1997	0.010	0.010	0.010	0.009	0.008	0.006	0.005	0.005	0.010	0.012	0.010	0.015

Table C- 15: Irrigation Delivery Ratios

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1998	0.009	0.007	0.011	0.010	0.007	0.009	0.010	0.007	0.010	0.011	0.010	0.011
	1999	0.008	0.014	0.010	0.008	0.009	0.007	0.011	0.008	0.010	0.007	0.009	0.009
	2000	0.009	0.009	0.012	0.010	0.009	0.008	0.009	0.009	0.010	0.010	0.010	0.014
Cook	1995	0.006	0.004	0.006	0.005	0.004	0.004	0.005	0.005	0.004	0.005	0.005	0.006
	1996	0.005	0.004	0.004	0.004	0.005	0.003	0.005	0.006	0.007	0.007	0.005	0.008
	1997	0.005	0.006	0.004	0.005	0.005	0.004	0.004	0.005	0.004	0.006	0.004	0.006
	1998	0.006	0.003	0.004	0.004	0.005	0.006	0.005	0.005	0.003	0.003	0.003	0.005
	1999	0.009	0.005	0.004	0.004	0.004	0.003	0.005	0.003	0.005	0.005	0.007	0.006
	2000	0.006	0.002	0.007	0.006	0.005	0.005	0.004	0.003	0.002	0.006	0.008	0.006
Elder 14	1995	0.011	0.009	0.018	0.019	0.015	0.019	0.019	0.019	0.019	0.019	0.008	0.009
	1996	0.016	0.014	0.018	0.017	0.023	0.017	0.023	0.015	0.024	0.015	0.008	0.012
	1997	0.015	0.019	0.017	0.019	0.021	0.018	0.021	0.012	0.026	0.016	0.019	0.016
	1998	0.011	0.011	0.020	0.020	0.017	0.015	0.020	0.016	0.020	0.011	0.012	0.018
	1999	0.012	0.020	0.020	0.021	0.020	0.014	0.023	0.020	0.027	0.023	0.016	0.013
	2000	0.007	0.021	0.018	0.017	0.020	0.018	0.023	0.024	0.022	0.019	0.009	0.019
Elder 1	1995	0.004	0.003	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.003	0.005	0.003
	1996	0.002	0.004	0.005	0.005	0.005	0.006	0.005	0.006	0.004	0.006	0.005	0.005
	1997	0.004	0.004	0.005	0.003	0.004	0.005	0.006	0.007	0.003	0.004	0.004	0.004
	1998	0.004	0.005	0.004	0.003	0.005	0.005	0.005	0.006	0.005	0.004	0.006	0.004
	1999	0.004	0.004	0.003	0.004	0.005	0.004	0.004	0.005	0.005	0.004	0.004	0.005
	2000	0.005	0.005	0.004	0.004	0.004	0.005	0.003	0.005	0.003	0.005	0.007	0.006
Elder 3	1995	0.002	0.001	0.001	0.001	0.002	0.002	0.003	0.002	0.004	0.002	0.001	0.003
	1996	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.003	0.002	0.001	0.002
	1997	0.002	0.002	0.002	0.001	0.002	0.002	0.003	0.003	0.001	0.002	0.000	0.000
	1998	0.002	0.002	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.000	0.002
	1999	0.002	0.001	0.001	0.002	0.002	0.002	0.003	0.002	0.003	0.002	0.001	0.002
	2000	0.001	0.002	0.001	0.001	0.002	0.003	0.002	0.003	0.001	0.002	0.001	0.004
Elder Drain	1995	0.001	0.001	0.002	0.001	0.002	0.002	0.002	0.002	0.002	0.001	0.001	0.003
	1996	0.001	0.002	0.001	0.001	0.002	0.002	0.001	0.002	0.001	0.002	0.001	0.002

Table C- 15: Irrigation Delivery Ratios

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1997	0.001	0.003	0.002	0.001	0.001	0.002	0.002	0.002	0.001	0.001	0.001	0.002
	1998	0.001	0.002	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.001	0.001	0.002
	1999	0.001	0.001	0.002	0.001	0.002	0.002	0.003	0.001	0.001	0.003	0.001	0.002
	2000	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.001	0.001	0.002	0.001	0.001
Fillaree	1995	0.037	0.045	0.043	0.043	0.044	0.057	0.047	0.072	0.052	0.031	0.018	0.039
	1996	0.030	0.046	0.057	0.053	0.054	0.055	0.055	0.067	0.052	0.042	0.039	0.041
	1997	0.044	0.056	0.056	0.049	0.053	0.064	0.060	0.070	0.054	0.037	0.055	0.051
	1998	0.044	0.044	0.057	0.054	0.048	0.058	0.048	0.046	0.057	0.049	0.056	0.042
	1999	0.037	0.060	0.048	0.048	0.048	0.064	0.052	0.055	0.056	0.041	0.038	0.030
	2000	0.039	0.028	0.042	0.044	0.047	0.051	0.042	0.046	0.048	0.045	0.051	0.045
Flax	1995	0.003	0.007	0.006	0.006	0.008	0.008	0.008	0.007	0.003	0.006	0.003	0.002
	1996	0.004	0.003	0.006	0.005	0.008	0.007	0.006	0.009	0.008	0.005	0.005	0.002
	1997	0.004	0.004	0.007	0.006	0.009	0.008	0.008	0.008	0.005	0.005	0.005	0.003
	1998	0.003	0.005	0.006	0.007	0.009	0.007	0.010	0.009	0.008	0.004	0.001	0.003
	1999	0.004	0.006	0.005	0.007	0.008	0.008	0.007	0.008	0.009	0.006	0.002	0.003
	2000	0.004	0.006	0.005	0.006	0.009	0.008	0.005	0.009	0.009	0.007	0.006	0.001
Gardner	1995	0.009	0.011	0.007	0.008	0.007	0.009	0.009	0.010	0.012	0.013	0.009	0.011
	1996	0.011	0.008	0.010	0.008	0.008	0.008	0.010	0.010	0.012	0.012	0.007	0.009
	1997	0.012	0.010	0.009	0.008	0.008	0.007	0.009	0.008	0.008	0.012	0.007	0.012
	1998	0.007	0.011	0.009	0.009	0.008	0.007	0.008	0.007	0.013	0.011	0.011	0.013
	1999	0.007	0.008	0.007	0.009	0.006	0.011	0.010	0.008	0.004	0.012	0.011	0.008
	2000	0.012	0.008	0.009	0.008	0.006	0.007	0.008	0.007	0.011	0.011	0.009	0.008
Livesley	1995	0.008	0.012	0.016	0.014	0.011	0.011	0.016	0.014	0.021	0.014	0.012	0.012
	1996	0.014	0.011	0.015	0.014	0.014	0.014	0.012	0.014	0.012	0.011	0.007	0.005
	1997	0.008	0.014	0.014	0.015	0.014	0.013	0.018	0.017	0.020	0.014	0.010	0.014
	1998	0.009	0.007	0.014	0.018	0.013	0.015	0.019	0.019	0.026	0.013	0.006	0.005
	1999	0.006	0.013	0.015	0.013	0.018	0.015	0.014	0.020	0.015	0.013	0.003	0.006
	2000	0.003	0.005	0.014	0.018	0.017	0.018	0.013	0.017	0.020	0.015	0.006	0.006
Malan	1995	0.002	0.002	0.002	0.002	0.001	0.001	0.002	0.000	0.001	0.002	0.003	0.002

Table C- 15: Irrigation Delivery Ratios

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1996	0.001	0.002	0.002	0.002	0.001	0.001	0.002	0.000	0.001	0.003	0.002	0.002
	1997	0.002	0.002	0.002	0.001	0.000	0.002	0.001	0.001	0.002	0.001	0.001	0.001
	1998	0.001	0.003	0.001	0.002	0.000	0.001	0.001	0.001	0.001	0.003	0.002	0.002
	1999	0.002	0.002	0.002	0.002	0.001	0.001	0.004	0.000	0.001	0.001	0.002	0.001
	2000	0.001	0.003	0.001	0.002	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001
Meserve	1995	0.003	0.001	0.003	0.002	0.003	0.003	0.003	0.003	0.000	0.004	0.003	0.000
	1996	0.004	0.003	0.002	0.003	0.003	0.004	0.003	0.005	0.002	0.006	0.001	0.004
	1997	0.003	0.003	0.002	0.003	0.003	0.004	0.004	0.002	0.003	0.004	0.003	0.004
	1998	0.003	0.003	0.003	0.003	0.003	0.005	0.002	0.002	0.002	0.001	0.003	0.003
	1999	0.001	0.003	0.003	0.004	0.003	0.004	0.004	0.004	0.001	0.003	0.002	0.002
	2000	0.002	0.004	0.002	0.003	0.003	0.004	0.004	0.005	0.006	0.001	0.003	0.004
New River	1995	0.157	0.142	0.140	0.147	0.157	0.147	0.149	0.158	0.162	0.157	0.162	0.153
	1996	0.173	0.156	0.161	0.166	0.167	0.167	0.158	0.154	0.171	0.172	0.187	0.171
	1997	0.148	0.148	0.164	0.164	0.171	0.166	0.156	0.162	0.166	0.164	0.160	0.160
	1998	0.169	0.121	0.156	0.157	0.163	0.158	0.163	0.158	0.151	0.173	0.162	0.148
	1999	0.171	0.136	0.153	0.157	0.161	0.165	0.172	0.151	0.143	0.174	0.162	0.166
	2000	0.165	0.148	0.150	0.155	0.155	0.154	0.172	0.159	0.158	0.165	0.168	0.161
North Central	1995	0.029	0.031	0.036	0.029	0.036	0.040	0.041	0.041	0.035	0.027	0.037	0.034
	1996	0.031	0.033	0.035	0.038	0.037	0.038	0.039	0.041	0.045	0.036	0.038	0.036
	1997	0.031	0.034	0.040	0.039	0.040	0.040	0.037	0.041	0.052	0.035	0.032	0.041
	1998	0.032	0.026	0.036	0.039	0.035	0.041	0.031	0.039	0.035	0.030	0.029	0.037
	1999	0.030	0.028	0.032	0.039	0.030	0.031	0.035	0.033	0.030	0.036	0.029	0.028
	2000	0.028	0.027	0.033	0.035	0.035	0.037	0.028	0.029	0.038	0.030	0.032	0.039
O'Brien	1995	0.003	0.001	0.002	0.003	0.004	0.004	0.003	0.004	0.002	0.004	0.003	0.002
	1996	0.004	0.001	0.003	0.002	0.002	0.003	0.004	0.002	0.004	0.004	0.005	0.003
	1997	0.004	0.002	0.004	0.002	0.003	0.001	0.003	0.001	0.004	0.001	0.005	0.000
	1998	0.004	0.002	0.002	0.003	0.002	0.001	0.001	0.004	0.003	0.004	0.004	0.004
	1999	0.002	0.003	0.002	0.003	0.002	0.003	0.001	0.003	0.003	0.004	0.003	0.003
	2000	0.003	0.003	0.002	0.002	0.003	0.004	0.002	0.002	0.003	0.003	0.005	0.001

Table C- 15: Irrigation Delivery Ratios

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Pinner	1995	0.014	0.013	0.015	0.015	0.013	0.014	0.015	0.012	0.010	0.013	0.016	0.019
	1996	0.014	0.021	0.016	0.016	0.015	0.015	0.017	0.015	0.015	0.015	0.012	0.020
	1997	0.013	0.014	0.016	0.018	0.017	0.013	0.017	0.011	0.012	0.018	0.017	0.018
	1998	0.018	0.010	0.015	0.018	0.017	0.018	0.015	0.014	0.019	0.018	0.020	0.016
	1999	0.013	0.013	0.014	0.017	0.017	0.019	0.020	0.015	0.014	0.016	0.010	0.013
	2000	0.015	0.017	0.016	0.016	0.014	0.017	0.017	0.017	0.016	0.013	0.011	0.015
Raymond	1995	0.012	0.007	0.014	0.015	0.017	0.018	0.018	0.014	0.012	0.018	0.011	0.014
	1996	0.013	0.021	0.015	0.016	0.017	0.023	0.016	0.015	0.018	0.012	0.020	0.014
	1997	0.011	0.016	0.012	0.014	0.014	0.011	0.009	0.016	0.008	0.012	0.018	0.008
	1998	0.008	0.010	0.014	0.013	0.014	0.016	0.016	0.019	0.015	0.016	0.012	0.011
	1999	0.013	0.010	0.016	0.015	0.013	0.016	0.016	0.015	0.012	0.015	0.004	0.010
	2000	0.016	0.014	0.013	0.014	0.016	0.016	0.014	0.015	0.018	0.012	0.011	0.012
Reed 13	1995	0.004	0.004	0.003	0.004	0.002	0.002	0.001	0.002	0.001	0.004	0.006	0.004
	1996	0.004	0.003	0.003	0.004	0.002	0.000	0.000	0.004	0.000	0.001	0.004	0.004
	1997	0.005	0.002	0.002	0.003	0.002	0.003	0.003	0.004	0.001	0.004	0.006	0.006
	1998	0.003	0.004	0.003	0.004	0.002	0.004	0.003	0.003	0.002	0.003	0.005	0.004
	1999	0.006	0.004	0.003	0.004	0.003	0.001	0.002	0.003	0.001	0.004	0.006	0.004
	2000	0.004	0.003	0.002	0.004	0.002	0.002	0.004	0.001	0.003	0.007	0.005	0.005
Reed 15	1995	0.002	0.003	0.003	0.002	0.003	0.002	0.004	0.002	0.002	0.005	0.002	0.003
	1996	0.003	0.002	0.002	0.003	0.004	0.001	0.002	0.004	0.003	0.002	0.003	0.003
	1997	0.003	0.002	0.003	0.003	0.003	0.002	0.002	0.003	0.000	0.000	0.004	0.000
	1998	0.005	0.004	0.003	0.003	0.001	0.001	0.003	0.000	0.000	0.001	0.005	0.000
	1999	0.003	0.001	0.003	0.002	0.002	0.001	0.002	0.001	0.005	0.000	0.002	0.002
	2000	0.004	0.004	0.003	0.003	0.001	0.000	0.001	0.003	0.001	0.003	0.003	0.005
Riley 11	1995	0.004	0.002	0.003	0.003	0.002	0.003	0.003	0.001	0.004	0.003	0.001	0.003
	1996	0.003	0.003	0.003	0.003	0.002	0.000	0.003	0.002	0.001	0.003	0.002	0.004
	1997	0.003	0.003	0.003	0.004	0.002	0.002	0.003	0.002	0.003	0.003	0.005	0.002
	1998	0.005	0.002	0.003	0.004	0.002	0.003	0.003	0.003	0.003	0.003	0.004	0.004
	1999	0.004	0.006	0.003	0.004	0.002	0.002	0.002	0.004	0.001	0.003	0.002	0.002
	2000	0.005	0.004	0.004	0.003	0.002	0.001	0.002	0.002	0.002	0.004	0.003	0.003

Table C- 15: Irrigation Delivery Ratios

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Salt Creek	1995	0.087	0.116	0.095	0.105	0.112	0.130	0.115	0.119	0.106	0.072	0.075	0.080	
	1996	0.096	0.098	0.100	0.115	0.117	0.131	0.120	0.123	0.109	0.087	0.108	0.102	
	1997	0.116	0.105	0.111	0.113	0.121	0.144	0.139	0.133	0.131	0.097	0.106	0.070	
	1998	0.093	0.129	0.104	0.097	0.126	0.133	0.127	0.128	0.117	0.090	0.095	0.092	
	1999	0.077	0.105	0.106	0.108	0.122	0.132	0.132	0.122	0.110	0.111	0.092	0.111	0.085
	2000	0.078	0.112	0.093	0.110	0.125	0.132	0.132	0.125	0.101	0.122	0.091	0.084	0.086
Seeley	1995	0.022	0.020	0.022	0.026	0.026	0.024	0.028	0.025	0.017	0.020	0.024	0.025	
	1996	0.021	0.018	0.025	0.023	0.026	0.035	0.032	0.023	0.020	0.020	0.020	0.022	
	1997	0.022	0.025	0.025	0.024	0.025	0.031	0.028	0.026	0.019	0.021	0.024	0.023	
	1998	0.029	0.014	0.027	0.027	0.030	0.026	0.027	0.020	0.021	0.023	0.021	0.021	
	1999	0.017	0.021	0.026	0.025	0.027	0.029	0.026	0.031	0.022	0.022	0.024	0.022	
	2000	0.028	0.018	0.026	0.023	0.031	0.038	0.025	0.025	0.024	0.023	0.026	0.023	
Similax	1995	0.000	0.000	0.001	0.001	0.000	0.001	0.001	0.000	0.001	0.000	0.001	0.000	
	1996	0.001	0.001	0.001	0.001	0.000	0.001	0.001	0.001	0.000	0.000	0.000	0.000	
	1997	0.000	0.002	0.001	0.000	0.000	0.001	0.001	0.001	0.000	0.000	0.000	0.002	
	1998	0.001	0.002	0.001	0.001	0.000	0.000	0.001	0.000	0.000	0.001	0.001	0.002	
	1999	0.002	0.002	0.001	0.001	0.000	0.000	0.001	0.000	0.001	0.000	0.001	0.000	
	2000	0.000	0.000	0.001	0.001	0.000	0.001	0.001	0.001	0.000	0.001	0.000	0.000	
Spruce 1	1995	0.009	0.010	0.005	0.008	0.007	0.008	0.007	0.008	0.008	0.010	0.009	0.005	
	1996	0.011	0.009	0.008	0.009	0.011	0.008	0.006	0.006	0.006	0.014	0.011	0.010	
	1997	0.012	0.010	0.008	0.007	0.008	0.008	0.009	0.008	0.010	0.013	0.010	0.010	
	1998	0.006	0.006	0.008	0.009	0.008	0.011	0.008	0.010	0.010	0.011	0.010	0.009	
	1999	0.010	0.010	0.012	0.009	0.010	0.010	0.008	0.012	0.012	0.009	0.009	0.009	
	2000	0.007	0.005	0.006	0.010	0.010	0.009	0.007	0.005	0.006	0.009	0.006	0.011	
Spruce 3	1995	0.004	0.005	0.005	0.004	0.006	0.007	0.008	0.005	0.004	0.004	0.002	0.007	
	1996	0.004	0.005	0.004	0.006	0.006	0.005	0.004	0.007	0.005	0.006	0.004	0.002	
	1997	0.006	0.004	0.004	0.005	0.005	0.007	0.007	0.007	0.005	0.006	0.002	0.007	
	1998	0.004	0.006	0.004	0.004	0.006	0.007	0.006	0.005	0.004	0.005	0.005	0.005	
	1999	0.006	0.007	0.007	0.004	0.004	0.007	0.007	0.005	0.005	0.006	0.005	0.003	

Table C- 15: Irrigation Delivery Ratios

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2000	0.009	0.005	0.006	0.005	0.003	0.004	0.004	0.004	0.005	0.006	0.006	0.001
Spruce 4	1995	0.003	0.002	0.003	0.002	0.002	0.001	0.000	0.001	0.002	0.002	0.002	0.002
	1996	0.003	0.002	0.002	0.002	0.004	0.003	0.003	0.003	0.003	0.001	0.003	0.001
	1997	0.004	0.001	0.002	0.002	0.003	0.002	0.003	0.004	0.002	0.001	0.003	0.001
	1998	0.004	0.002	0.002	0.002	0.002	0.004	0.004	0.002	0.002	0.003	0.001	0.003
	1999	0.003	0.002	0.003	0.002	0.002	0.004	0.004	0.003	0.002	0.001	0.004	0.001
	2000	0.002	0.002	0.002	0.002	0.001	0.005	0.004	0.003	0.002	0.002	0.001	0.001
Spruce	1995	0.021	0.024	0.024	0.023	0.023	0.021	0.021	0.018	0.020	0.027	0.028	0.026
	1996	0.020	0.026	0.024	0.020	0.024	0.024	0.019	0.023	0.022	0.031	0.030	0.028
	1997	0.017	0.026	0.021	0.023	0.023	0.018	0.021	0.017	0.019	0.026	0.019	0.025
	1998	0.027	0.026	0.018	0.019	0.021	0.022	0.022	0.023	0.016	0.021	0.021	0.028
	1999	0.025	0.015	0.021	0.019	0.022	0.019	0.015	0.021	0.015	0.026	0.028	0.024
	2000	0.022	0.015	0.021	0.020	0.022	0.022	0.014	0.022	0.015	0.025	0.039	0.024
Sumac	1995	0.014	0.012	0.014	0.012	0.012	0.013	0.013	0.014	0.018	0.017	0.016	0.016
	1996	0.017	0.014	0.013	0.011	0.013	0.011	0.014	0.011	0.011	0.019	0.019	0.020
	1997	0.018	0.011	0.013	0.012	0.016	0.015	0.018	0.011	0.009	0.023	0.018	0.018
	1998	0.014	0.011	0.015	0.012	0.015	0.012	0.014	0.015	0.014	0.021	0.017	0.013
	1999	0.011	0.017	0.016	0.014	0.013	0.011	0.011	0.013	0.012	0.016	0.016	0.016
	2000	0.016	0.019	0.014	0.012	0.013	0.013	0.014	0.015	0.017	0.016	0.013	0.019
Tamarack	1995	0.011	0.007	0.010	0.010	0.013	0.011	0.010	0.009	0.017	0.012	0.014	0.013
	1996	0.012	0.010	0.012	0.012	0.013	0.012	0.009	0.010	0.014	0.013	0.011	0.013
	1997	0.014	0.011	0.011	0.014	0.013	0.010	0.008	0.014	0.013	0.012	0.016	0.017
	1998	0.012	0.005	0.012	0.012	0.014	0.011	0.012	0.011	0.020	0.009	0.013	0.013
	1999	0.012	0.009	0.012	0.012	0.013	0.006	0.010	0.006	0.016	0.016	0.017	0.012
	2000	0.008	0.010	0.010	0.012	0.013	0.009	0.012	0.012	0.013	0.011	0.013	0.014
Timothy 1	1995	0.042	0.039	0.044	0.047	0.038	0.036	0.034	0.034	0.040	0.045	0.052	0.036
	1996	0.038	0.042	0.039	0.040	0.039	0.041	0.042	0.039	0.043	0.044	0.032	0.043
	1997	0.038	0.044	0.040	0.042	0.038	0.038	0.037	0.036	0.043	0.043	0.040	0.051
	1998	0.041	0.053	0.039	0.042	0.041	0.037	0.040	0.032	0.040	0.039	0.058	0.051

Table C- 15: Irrigation Delivery Ratios

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1999	0.049	0.048	0.045	0.042	0.039	0.037	0.036	0.036	0.034	0.041	0.054	0.048
	2000	0.052	0.045	0.052	0.043	0.035	0.030	0.038	0.041	0.038	0.038	0.043	0.042
Timothy 2	1995	0.008	0.009	0.010	0.010	0.008	0.006	0.007	0.005	0.010	0.010	0.013	0.008
	1996	0.009	0.006	0.009	0.009	0.011	0.005	0.008	0.007	0.007	0.011	0.009	0.009
	1997	0.007	0.009	0.007	0.007	0.008	0.007	0.007	0.005	0.009	0.012	0.013	0.008
	1998	0.005	0.005	0.006	0.007	0.008	0.009	0.007	0.006	0.009	0.009	0.005	0.005
	1999	0.009	0.003	0.008	0.008	0.007	0.005	0.007	0.006	0.010	0.009	0.012	0.008
	2000	0.010	0.008	0.007	0.007	0.008	0.005	0.008	0.008	0.006	0.012	0.007	0.012
Trifolium 3	1995	0.031	0.030	0.028	0.031	0.025	0.023	0.024	0.032	0.022	0.039	0.024	0.037
	1996	0.030	0.033	0.032	0.029	0.026	0.023	0.031	0.032	0.024	0.035	0.038	0.027
	1997	0.037	0.028	0.033	0.028	0.030	0.030	0.026	0.030	0.027	0.032	0.034	0.030
	1998	0.032	0.038	0.030	0.033	0.033	0.027	0.031	0.033	0.024	0.035	0.033	0.025
	1999	0.034	0.035	0.039	0.037	0.026	0.029	0.026	0.027	0.023	0.036	0.025	0.034
	2000	0.031	0.029	0.031	0.030	0.031	0.024	0.024	0.026	0.024	0.030	0.027	0.036
Trifolium 4	1995	0.031	0.029	0.031	0.027	0.027	0.025	0.024	0.027	0.027	0.031	0.030	0.028
	1996	0.033	0.034	0.031	0.032	0.027	0.024	0.024	0.027	0.026	0.030	0.022	0.034
	1997	0.035	0.040	0.030	0.034	0.020	0.024	0.023	0.026	0.033	0.029	0.029	0.024
	1998	0.037	0.041	0.031	0.034	0.028	0.023	0.023	0.029	0.028	0.030	0.031	0.034
	1999	0.031	0.036	0.032	0.032	0.025	0.026	0.024	0.026	0.030	0.032	0.032	0.036
	2000	0.026	0.029	0.031	0.030	0.022	0.024	0.023	0.023	0.029	0.034	0.028	0.030
Trifolium 6	1995	0.052	0.047	0.048	0.049	0.041	0.039	0.037	0.042	0.052	0.052	0.050	0.046
	1996	0.045	0.059	0.046	0.046	0.044	0.044	0.049	0.043	0.052	0.041	0.045	0.044
	1997	0.057	0.047	0.047	0.044	0.047	0.039	0.044	0.041	0.042	0.047	0.054	0.044
	1998	0.053	0.062	0.049	0.049	0.045	0.046	0.046	0.043	0.045	0.050	0.046	0.048
	1999	0.064	0.055	0.048	0.045	0.037	0.033	0.034	0.039	0.041	0.048	0.057	0.055
	2000	0.054	0.049	0.047	0.043	0.039	0.034	0.036	0.046	0.044	0.039	0.050	0.038
Trifolium 7	1995	0.075	0.085	0.068	0.058	0.063	0.053	0.067	0.058	0.055	0.069	0.069	0.071
	1996	0.085	0.081	0.067	0.062	0.064	0.059	0.068	0.059	0.054	0.074	0.067	0.063
	1997	0.069	0.077	0.060	0.063	0.064	0.055	0.065	0.061	0.072	0.068	0.057	0.078

Table C- 15: Irrigation Delivery Ratios

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1998	0.077	0.100	0.084	0.071	0.061	0.059	0.058	0.068	0.063	0.065	0.068	0.076
	1999	0.089	0.091	0.072	0.070	0.057	0.054	0.055	0.062	0.068	0.073	0.076	0.081
	2000	0.074	0.082	0.070	0.063	0.061	0.058	0.059	0.071	0.062	0.067	0.066	0.069
Trifolium 8	1995	0.038	0.033	0.033	0.030	0.028	0.028	0.033	0.023	0.027	0.026	0.042	0.035
	1996	0.047	0.041	0.040	0.036	0.032	0.025	0.027	0.025	0.024	0.027	0.027	0.034
	1997	0.034	0.038	0.036	0.039	0.027	0.025	0.031	0.030	0.025	0.040	0.032	0.040
	1998	0.037	0.045	0.033	0.028	0.034	0.035	0.038	0.036	0.029	0.036	0.036	0.043
	1999	0.037	0.033	0.030	0.034	0.030	0.025	0.032	0.034	0.030	0.019	0.023	0.034
	2000	0.043	0.040	0.037	0.035	0.027	0.035	0.034	0.031	0.033	0.030	0.034	0.032
Trifolium 9	1995	0.063	0.054	0.049	0.050	0.057	0.049	0.051	0.040	0.057	0.055	0.055	0.062
	1996	0.068	0.065	0.058	0.059	0.054	0.047	0.049	0.056	0.058	0.060	0.068	0.074
	1997	0.067	0.057	0.058	0.052	0.046	0.046	0.038	0.043	0.057	0.053	0.066	0.058
	1998	0.066	0.071	0.056	0.062	0.056	0.047	0.052	0.052	0.048	0.061	0.062	0.075
	1999	0.072	0.059	0.055	0.049	0.053	0.042	0.042	0.047	0.070	0.043	0.066	0.062
	2000	0.058	0.061	0.052	0.052	0.040	0.034	0.048	0.053	0.049	0.054	0.058	0.057
Trifolium 10	1995	0.041	0.041	0.044	0.043	0.030	0.032	0.030	0.036	0.037	0.036	0.043	0.031
	1996	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1997	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1998	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1999	0.000	0.000	0.000	0.000	0.035	0.028	0.028	0.034	0.040	0.023	0.039	0.041
	2000	0.038	0.044	0.035	0.034	0.033	0.028	0.031	0.032	0.025	0.037	0.040	0.036
Trifolium 11	1995	0.018	0.018	0.020	0.024	0.018	0.015	0.014	0.014	0.020	0.017	0.023	0.017
	1996	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1997	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1998	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1999	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	2000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Vail	1995	0.009	0.013	0.010	0.009	0.007	0.006	0.010	0.005	0.004	0.011	0.005	0.011
	1996	0.009	0.009	0.012	0.008	0.007	0.012	0.009	0.009	0.008	0.009	0.009	0.011

Table C- 15: Irrigation Delivery Ratios

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1997	0.009	0.011	0.009	0.008	0.011	0.014	0.010	0.012	0.011	0.011	0.008	0.013
	1998	0.009	0.007	0.009	0.010	0.004	0.004	0.009	0.010	0.015	0.011	0.008	0.011
	1999	0.012	0.007	0.008	0.010	0.011	0.012	0.009	0.010	0.013	0.011	0.005	0.011
	2000	0.010	0.008	0.010	0.009	0.009	0.012	0.012	0.011	0.009	0.009	0.006	0.013
Wixom	1995	0.004	0.009	0.007	0.007	0.009	0.011	0.009	0.010	0.009	0.003	0.006	0.007
	1996	0.004	0.009	0.010	0.009	0.008	0.012	0.009	0.009	0.009	0.013	0.003	0.007
	1997	0.003	0.007	0.010	0.009	0.009	0.010	0.011	0.013	0.008	0.009	0.003	0.003
	1998	0.005	0.005	0.008	0.007	0.010	0.010	0.009	0.014	0.013	0.008	0.005	0.002
	1999	0.002	0.005	0.007	0.009	0.011	0.013	0.007	0.009	0.007	0.006	0.008	0.004
	2000	0.004	0.008	0.009	0.010	0.012	0.010	0.015	0.011	0.012	0.010	0.005	0.004
Wormwood 7	1995	0.016	0.014	0.014	0.015	0.017	0.016	0.014	0.015	0.007	0.014	0.012	0.015
	1996	0.012	0.009	0.016	0.013	0.014	0.017	0.015	0.015	0.014	0.013	0.014	0.020
	1997	0.016	0.015	0.013	0.015	0.018	0.016	0.015	0.019	0.008	0.010	0.012	0.020
	1998	0.019	0.015	0.015	0.015	0.017	0.017	0.015	0.012	0.017	0.017	0.015	0.011
	1999	0.021	0.011	0.016	0.017	0.016	0.016	0.018	0.019	0.016	0.014	0.009	0.013
	2000	0.015	0.012	0.014	0.014	0.014	0.017	0.016	0.013	0.011	0.014	0.013	0.018

Table C- 16: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
All-American 10	1995	224.4	176.9	246.8	391.9	414.1	301.7	292.9	328.7	364.3	332.0	216.8	326.0
	1996	274.8	215.9	323.7	369.5	261.6	266.9	298.8	327.4	388.2	357.0	309.4	251.6
	1997	312.0	182.3	321.4	339.7	319.3	212.8	304.0	316.5	370.8	315.7	315.6	273.6
	1998	270.5	140.8	243.3	331.7	328.9	263.9	307.9	310.1	361.7	251.0	358.8	274.4
	1999	278.4	234.8	305.0	314.0	358.5	376.2	304.7	350.1	263.0	357.0	259.8	290.1
	2000	295.8	255.4	246.6	316.1	413.8	352.2	308.2	331.5	251.1	213.0	363.5	228.5
All-American 14	1995	2.7	1.9	3.6	3.2	2.7	2.6	3.0	2.2	3.7	3.8	2.1	4.9
	1996	4.4	4.2	2.9	3.3	2.8	2.3	2.7	3.0	3.6	4.4	4.5	5.1
	1997	2.7	3.9	3.2	3.2	3.3	2.7	2.8	3.2	4.0	4.3	4.8	5.5
	1998	5.1	1.7	2.8	3.0	2.3	2.5	2.6	2.3	3.2	4.3	4.9	5.5
	1999	2.4	2.9	3.7	3.4	1.5	2.9	3.0	2.9	3.6	3.8	3.6	4.8
	2000	4.8	3.8	2.2	3.1	2.8	2.3	2.7	3.0	3.6	4.3	4.6	6.1
All-American 9	1995	50.4	65.2	216.3	162.8	213.6	236.8	177.3	224.3	212.6	221.6	73.1	2.1
	1996	82.9	71.2	183.5	247.6	236.6	215.7	214.8	255.3	245.0	198.3	67.4	20.1
	1997	63.4	67.1	209.4	220.8	292.9	181.5	238.4	192.8	267.3	148.1	124.1	45.4
	1998	41.8	71.6	142.8	172.7	269.7	122.6	105.7	244.4	36.2	252.5	113.9	95.8
	1999	72.6	153.6	152.8	216.3	107.4	90.9	80.6	203.2	158.3	141.1	71.4	106.8
	2000	62.4	121.6	140.2	179.0	189.7	104.4	121.1	168.6	13.6	151.4	65.2	3.2
Baughman	1995	83.7	60.5	173.4	185.0	197.7	177.7	170.5	159.3	127.0	96.3	148.9	65.9
	1996	129.6	111.5	174.3	128.0	172.7	142.8	91.8	167.0	71.4	167.7	105.7	86.5
	1997	61.6	131.2	129.0	116.6	129.9	171.7	187.0	138.8	58.7	61.6	72.0	140.1
	1998	156.7	90.2	151.5	149.8	115.7	62.7	103.3	120.5	39.3	151.2	124.5	122.3
	1999	85.1	130.4	142.3	89.1	158.4	162.2	130.0	102.8	85.3	40.7	47.9	47.8
	2000	101.9	79.2	133.9	134.1	153.2	87.5	113.5	131.0	154.1	137.0	35.3	50.0
Beech	1995	285.5	482.0	695.8	697.7	585.4	448.3	480.2	403.0	382.4	479.2	543.7	357.5
	1996	443.1	536.3	631.1	550.1	452.9	480.9	521.0	447.7	509.6	555.0	657.1	422.4
	1997	363.4	523.6	616.8	575.1	534.0	457.1	429.4	509.2	280.9	559.5	426.2	331.1
	1998	273.0	272.4	634.1	659.2	500.8	356.0	486.9	457.3	415.8	550.0	357.8	543.3

Table C- 16: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Drain	1999	384.2	357.3	608.7	558.7	626.1	449.9	421.2	384.2	203.2	550.4	184.7	417.1
	2000	362.9	416.2	610.8	625.5	651.0	427.2	507.9	494.3	525.6	569.7	454.4	348.1
Best	1995	109.1	121.2	219.8	197.3	160.1	139.3	269.0	136.3	195.0	87.1	56.1	191.5
	1996	161.3	142.9	235.3	251.7	90.0	104.1	208.4	75.1	195.7	58.0	172.8	135.1
	1997	153.5	154.5	256.0	224.7	69.8	42.6	121.1	47.5	170.2	164.7	143.0	74.1
	1998	156.8	105.5	215.3	156.1	96.7	111.0	121.6	60.4	114.6	175.6	169.2	117.8
	1999	104.2	136.0	214.8	202.8	141.4	101.3	147.3	93.2	98.6	69.6	90.5	184.5
	2000	120.8	50.2	197.7	183.3	101.5	221.9	185.1	84.5	109.1	134.1	156.9	133.3
Birch 3	1995	23.6	28.9	31.5	58.6	46.6	34.5	30.7	27.9	19.3	39.6	37.3	10.9
	1996	14.9	40.8	22.1	51.3	35.7	52.2	44.6	38.1	30.5	25.7	53.6	29.8
	1997	36.1	29.0	46.2	50.3	27.2	43.1	39.1	71.5	24.6	45.8	43.7	17.5
	1998	21.6	29.9	69.5	45.8	43.9	47.5	32.2	75.2	36.3	62.8	54.2	48.9
	1999	27.2	39.4	63.2	60.6	61.8	47.9	34.0	52.3	3.6	75.5	19.5	43.8
	2000	49.8	31.8	46.9	48.2	46.0	44.0	21.5	25.1	9.6	71.8	17.1	30.6
Blue Lake	1995	160.3	91.0	226.6	276.3	339.0	269.9	273.9	283.6	192.6	336.2	172.0	217.5
	1996	189.1	123.9	171.1	320.3	296.3	324.9	319.3	230.0	354.4	330.2	188.4	128.1
	1997	200.8	182.7	325.0	326.9	308.1	289.7	287.2	302.4	198.8	360.6	268.6	166.7
	1998	218.9	79.2	239.1	301.7	305.9	288.2	307.5	206.4	286.1	312.2	247.9	256.5
	1999	237.6	142.4	345.9	295.7	313.6	287.0	238.7	271.2	213.9	306.9	240.2	163.4
	2000	178.4	161.1	275.8	255.4	313.1	316.7	290.9	267.9	203.3	292.3	179.5	230.4
Bullhead Slough	1995	150.1	173.8	237.6	417.6	363.8	407.1	283.0	308.2	298.0	254.1	140.6	170.0
	1996	153.0	192.1	252.3	371.2	350.5	379.9	280.2	281.2	203.5	255.1	306.3	179.1
	1997	181.7	164.8	261.9	322.7	343.5	398.8	344.1	336.5	237.4	251.6	227.6	192.8
	1998	211.9	122.0	240.2	385.2	353.0	253.6	295.2	261.5	254.0	321.7	255.7	194.2
	1999	265.2	212.8	332.8	370.7	358.2	315.8	283.9	213.7	257.5	253.2	171.6	150.7
	2000	148.9	153.4	309.5	311.2	321.8	306.1	321.3	253.1	213.2	300.1	122.6	204.0
Cole	1995	109.3	144.0	261.9	294.3	219.8	163.4	167.4	171.7	143.7	193.3	169.2	198.4
	1996	144.3	203.1	270.1	278.3	245.9	125.2	137.0	161.0	149.8	123.7	170.0	188.3
	1997	145.3	180.7	247.0	215.7	174.5	119.1	107.1	116.1	217.5	232.2	174.7	202.3

Table C- 16: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Drain	1998	143.9	88.7	253.0	242.6	167.8	152.8	208.6	147.8	177.1	234.7	171.5	189.4
	1999	130.7	227.1	248.0	193.8	227.0	147.6	206.9	143.0	170.2	139.7	155.6	155.9
	2000	134.0	129.4	259.2	250.2	206.3	159.2	184.2	167.6	190.8	216.0	172.3	217.0
Cook	1995	77.2	66.1	152.4	142.7	110.8	99.3	109.9	112.5	86.2	101.8	77.3	91.2
	1996	85.1	71.6	108.0	118.7	108.6	73.2	118.4	118.3	143.8	158.3	85.7	121.2
	1997	72.8	102.5	111.1	118.7	114.3	79.3	82.5	108.5	90.0	125.0	66.6	82.4
	1998	91.6	33.3	95.4	99.4	115.4	96.7	97.8	96.5	54.1	67.0	59.9	91.1
	1999	149.6	83.1	89.0	101.0	90.8	68.0	90.3	50.6	84.7	106.7	124.7	94.9
	2000	95.0	33.8	149.4	134.1	113.8	91.5	89.9	63.8	31.8	124.5	132.5	103.4
Elder 14	1995	150.4	148.7	482.7	562.9	398.1	448.4	443.8	446.4	391.9	395.2	130.8	129.9
	1996	263.0	255.8	445.7	455.1	538.0	371.0	490.7	307.4	474.8	338.8	140.1	191.1
	1997	218.1	349.9	429.1	475.2	470.9	370.3	452.6	274.4	549.9	327.7	338.1	206.2
	1998	169.0	127.6	452.0	485.3	402.1	270.0	434.3	323.8	358.8	229.1	221.0	297.8
	1999	202.1	312.0	482.6	490.0	481.2	294.2	429.2	359.4	478.5	467.1	277.7	218.6
	2000	112.7	319.0	397.9	410.8	471.8	353.5	457.6	456.8	401.8	429.9	156.6	303.7
Elder 1	1995	49.2	41.6	112.7	122.2	108.7	106.5	122.1	117.6	96.3	68.1	78.1	40.0
	1996	37.6	65.3	119.4	131.6	119.6	135.1	104.6	132.0	74.0	133.0	87.2	74.2
	1997	53.8	67.8	117.8	82.2	100.7	111.4	122.1	150.1	65.3	84.6	66.4	58.8
	1998	67.9	55.4	88.0	86.3	118.6	88.2	101.0	116.6	98.5	95.4	104.8	73.6
	1999	76.7	58.6	82.4	84.1	118.4	92.3	68.3	87.2	83.1	88.6	69.4	78.6
	2000	77.5	78.7	97.3	91.8	103.8	103.7	66.3	92.5	50.2	117.8	119.0	100.9
Elder 3	1995	25.4	16.2	24.8	34.8	39.9	49.4	77.0	56.0	81.2	45.3	14.0	40.4
	1996	38.7	26.8	44.3	43.5	44.5	50.7	40.9	76.8	61.6	48.6	21.2	31.3
	1997	23.6	30.9	37.6	22.9	41.9	49.4	64.8	64.3	25.9	50.1	1.1	5.9
	1998	39.2	22.7	15.5	34.2	38.3	42.7	44.7	45.4	43.2	51.7	4.2	33.2
	1999	39.7	20.3	20.2	36.2	45.2	49.4	49.3	44.0	57.4	48.7	13.8	29.1
	2000	22.1	33.3	20.0	35.6	54.1	52.7	46.5	49.1	22.6	47.1	20.9	56.8
Elder	1995	11.9	19.1	41.7	37.5	40.5	37.8	51.4	48.1	33.4	26.7	19.4	43.9
	1996	24.9	30.2	37.6	36.4	39.2	37.9	31.3	35.1	10.1	45.0	21.5	24.5

Table C- 16: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Drain	1997	17.1	55.5	47.7	33.3	33.2	37.9	34.2	48.0	17.1	14.5	24.8	31.7
	1998	17.2	27.5	35.7	40.0	40.7	44.8	49.1	33.1	28.8	15.4	18.9	41.7
	1999	17.9	15.6	48.1	28.4	41.2	41.8	48.7	22.5	16.9	69.2	22.9	29.1
	2000	12.8	34.3	38.6	42.5	51.0	39.3	38.1	18.3	20.6	45.9	20.9	10.2
Fillaree	1995	483.7	717.6	1121.4	1244.4	1170.6	1331.9	1096.7	1718.7	1095.7	652.9	296.0	597.7
	1996	505.0	807.8	1429.1	1440.5	1278.4	1214.9	1206.8	1386.2	1029.2	925.7	703.4	660.0
	1997	651.4	1028.1	1408.3	1229.8	1219.3	1325.2	1308.2	1594.8	1144.2	732.1	1006.6	683.2
	1998	692.9	527.2	1289.4	1319.9	1122.5	1008.9	1036.7	928.8	1029.7	1048.9	999.2	705.4
	1999	637.5	959.3	1171.4	1109.0	1185.2	1312.5	967.7	1000.5	977.6	841.3	649.5	499.7
	2000	598.4	419.2	949.1	1074.8	1095.8	999.5	840.4	876.7	871.1	989.4	874.1	728.1
Flax	1995	44.6	112.3	161.9	165.8	217.1	176.2	191.6	172.6	73.0	131.0	51.9	33.9
	1996	60.2	56.4	161.0	139.7	190.5	145.3	126.3	175.8	160.2	100.9	90.1	35.0
	1997	52.2	73.0	185.2	159.7	194.5	166.6	173.0	181.7	102.3	96.6	90.5	43.4
	1998	52.0	64.6	126.5	163.0	207.8	126.8	210.3	172.4	148.4	87.5	26.2	45.0
	1999	65.9	94.8	119.5	160.2	188.4	166.9	135.3	148.8	161.9	114.3	35.7	46.2
	2000	55.2	89.7	119.9	149.8	198.1	158.4	106.5	173.6	172.1	145.7	110.9	15.6
Gardner	1995	122.4	177.9	176.5	233.4	185.2	210.5	221.0	237.8	247.7	264.8	145.8	163.0
	1996	191.0	138.6	247.4	220.5	185.8	171.6	225.3	210.6	248.9	258.3	121.5	148.1
	1997	180.7	192.3	218.8	211.1	188.5	134.4	187.4	182.5	177.9	237.8	134.8	154.2
	1998	107.2	132.3	198.1	232.7	184.3	117.9	163.3	132.2	237.1	234.1	197.3	211.3
	1999	122.7	119.5	175.2	219.4	145.9	227.9	191.5	143.9	69.5	253.5	194.1	131.3
	2000	179.0	123.3	194.5	198.2	139.9	136.3	161.8	143.4	208.5	251.2	159.6	130.9
Livesley	1995	100.4	187.0	414.3	398.6	295.5	259.3	374.4	334.0	444.7	290.1	191.0	175.4
	1996	242.1	190.4	375.1	385.0	320.2	306.8	265.6	284.8	242.7	235.2	129.7	72.3
	1997	112.8	250.2	349.9	375.3	319.6	277.3	385.9	391.7	429.8	287.3	173.7	191.4
	1998	144.3	87.6	317.0	437.2	303.3	266.5	411.2	386.7	468.7	270.6	103.1	76.8
	1999	102.5	198.7	358.2	309.3	433.1	318.5	264.1	375.6	256.0	261.6	56.3	101.7
	2000	47.9	71.2	306.6	425.0	398.2	346.2	267.4	326.8	364.8	328.8	110.8	96.5
Malan	1995	21.7	32.7	51.9	50.9	22.0	14.1	51.3	9.1	17.4	40.6	41.6	23.7

Table C- 16: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Drain	1996	22.4	33.2	39.6	48.7	34.1	30.5	43.3	6.5	11.8	54.8	37.8	33.3
	1997	24.7	32.4	38.4	33.0	5.3	42.0	23.6	17.0	32.8	17.3	20.7	11.4
	1998	13.5	30.6	16.1	43.1	10.0	12.3	11.6	28.6	17.0	54.0	36.3	37.0
	1999	34.8	32.4	41.0	38.0	32.2	11.0	81.4	4.0	15.5	18.5	32.9	17.8
	2000	13.4	42.1	16.4	43.3	53.3	30.3	27.2	13.3	18.3	32.2	15.3	18.7
	Meserve	1995	33.3	14.2	74.3	58.0	92.0	80.9	73.5	81.0	4.9	92.5	48.6
	1996	74.4	47.6	53.3	76.6	67.4	89.3	60.4	96.9	48.5	130.8	17.0	69.8
	1997	46.4	58.7	46.7	76.5	71.5	89.2	78.8	38.5	59.9	72.1	59.6	46.6
	1998	54.1	41.9	62.1	75.2	67.5	81.0	39.7	39.2	44.3	22.9	57.1	51.7
	1999	13.7	50.6	66.6	99.0	76.0	85.2	65.7	76.5	20.2	69.8	37.1	32.5
	2000	24.6	63.8	43.0	68.3	80.8	76.8	75.8	93.8	113.0	24.5	49.5	65.5
New River	1995	2628.1	2743.3	4193.7	4832.4	4669.0	3930.4	3890.3	4311.8	3990.0	3891.6	3125.9	2904.8
	1996	3427.9	3280.3	4563.5	4853.7	4499.1	4172.0	4048.3	3732.9	3994.5	4344.8	4001.5	3334.8
	1997	2838.8	3287.4	4681.4	4508.8	4507.4	3953.8	3982.1	4022.6	3879.1	3705.3	3250.4	2595.1
	1998	3215.9	1974.2	4060.7	4409.0	4350.9	3310.2	4075.6	3751.9	3316.9	4304.1	3388.6	3051.0
	1999	3548.1	2676.3	4256.5	4233.9	4544.9	3957.3	3777.3	3286.5	3051.4	4138.1	3277.7	3275.7
	2000	3073.1	2720.1	3921.5	4329.6	4152.1	3563.2	4032.1	3624.1	3444.5	4263.5	3452.6	3133.9
North Central	1995	381.3	489.6	943.7	850.1	941.2	927.9	950.2	976.9	734.4	569.7	594.9	518.8
	1996	517.3	583.6	884.5	1029.2	883.8	838.1	841.9	853.3	900.3	781.3	694.4	577.9
	1997	467.2	614.4	991.4	980.2	912.6	824.5	813.4	935.4	1103.3	704.4	589.8	548.8
	1998	509.6	308.6	811.7	951.3	810.8	718.6	671.8	786.5	626.8	639.0	520.4	613.8
	1999	520.0	446.7	782.1	899.8	746.2	635.3	653.1	609.3	528.3	755.6	492.6	469.5
	2000	424.7	408.0	748.1	837.0	799.9	719.8	565.4	553.0	684.4	675.7	541.3	626.5
O'Brien	1995	42.6	8.3	50.3	74.5	94.0	90.4	67.9	100.8	43.5	83.9	48.5	23.2
	1996	66.0	25.8	78.0	51.1	52.9	73.3	79.0	41.0	88.0	97.9	85.1	45.2
	1997	63.8	41.3	88.7	57.5	79.0	30.2	74.1	24.5	78.0	18.9	86.0	2.9
	1998	58.2	29.7	51.6	63.2	39.8	16.0	24.3	80.2	50.9	88.5	71.0	61.8
	1999	32.3	49.1	54.7	78.9	41.8	61.5	26.6	49.3	60.4	72.6	47.3	43.4
	2000	51.3	42.4	48.6	58.7	71.9	71.5	46.2	43.0	57.3	65.1	94.1	20.3

Table C- 16: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Pinner	1995	183.1	201.7	401.1	427.2	355.9	329.2	363.0	287.7	212.4	279.3	254.7	286.7
	1996	241.4	362.5	393.6	422.2	358.9	323.6	374.8	317.8	304.2	337.0	222.9	315.6
	1997	188.7	248.3	387.2	452.9	377.7	271.9	369.5	245.2	246.8	357.2	308.6	240.1
	1998	280.9	126.2	332.5	441.1	399.8	317.8	325.1	284.9	340.5	378.5	352.2	271.9
	1999	222.9	207.2	347.7	386.7	423.8	388.3	368.0	281.8	240.3	326.2	163.8	220.0
	2000	235.8	256.9	351.5	385.1	334.3	330.2	342.6	303.8	241.5	250.7	252.8	272.7
Raymond	1995	151.7	104.0	369.5	440.5	456.3	417.1	427.1	334.8	254.0	387.4	181.2	218.6
	1996	214.3	365.6	383.9	428.2	394.8	496.6	341.5	307.6	349.0	263.6	357.5	226.0
	1997	162.0	301.3	293.5	354.6	312.1	234.8	194.8	358.9	168.4	249.6	334.6	106.8
	1998	124.4	126.3	317.9	309.5	326.5	273.5	346.6	384.1	266.6	338.7	215.6	187.3
	1999	229.6	160.3	396.4	342.4	327.3	331.8	298.0	271.6	203.3	310.7	72.7	171.7
	2000	239.6	213.9	296.6	340.4	365.5	319.5	275.0	285.3	322.2	277.5	180.7	189.0
Reed 13	1995	55.8	57.9	86.1	113.6	55.1	39.9	18.0	48.0	30.1	81.1	91.3	60.4
	1996	74.4	49.3	77.4	95.5	43.3	4.1	8.8	78.2	9.9	30.8	73.3	57.4
	1997	68.7	33.5	58.8	77.7	56.6	55.5	71.7	83.5	27.6	82.5	118.3	76.6
	1998	52.6	43.4	57.6	90.2	47.6	63.4	60.5	58.8	36.7	67.7	94.4	63.6
	1999	96.4	61.1	75.4	90.5	63.5	26.2	36.7	56.5	20.2	83.0	104.8	63.7
	2000	65.2	45.5	49.2	90.7	44.0	36.0	84.0	25.2	55.8	148.8	85.1	76.1
Reed 15	1995	27.3	46.4	68.9	51.4	66.7	37.8	83.2	59.7	35.5	101.2	39.2	44.2
	1996	54.0	26.6	55.2	73.6	97.1	27.8	50.8	88.3	52.2	43.2	54.1	54.4
	1997	48.0	41.0	83.4	85.7	59.7	43.8	54.2	63.3	0.0	0.0	67.2	0.0
	1998	81.4	53.4	65.4	66.5	27.4	18.1	68.9	6.7	0.0	24.5	81.9	0.0
	1999	58.2	20.4	61.0	46.7	47.1	18.9	39.1	23.9	89.4	0.0	30.7	31.8
	2000	63.5	62.1	69.2	79.6	26.3	6.2	15.5	56.3	24.2	59.7	55.3	86.2
Riley 11	1995	48.4	38.2	77.8	89.7	44.5	61.9	67.0	33.4	77.0	59.5	18.8	42.1
	1996	47.6	46.4	85.8	92.4	39.3	10.8	58.5	41.9	18.3	69.5	31.2	57.1
	1997	50.5	63.4	84.7	97.5	45.0	34.3	72.1	42.5	53.6	64.9	90.9	23.0
	1998	70.8	21.3	67.8	97.3	44.3	57.3	57.9	69.0	60.1	58.8	71.9	65.9
	1999	61.9	98.5	77.7	81.7	53.5	32.6	34.0	75.6	25.1	69.0	30.6	28.4
	2000	77.2	63.9	91.9	80.0	37.1	19.4	37.5	46.8	32.9	88.6	48.6	48.2

Table C- 16: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Salt Creek	1995	1185.0	1880.3	2521.7	3098.2	2998.3	3050.3	2737.7	2894.8	2271.7	1563.8	1239.3	1257.2
	1996	1610.1	1767.4	2552.3	3132.6	2799.8	2913.8	2666.3	2589.6	2216.9	1957.7	2013.7	1675.8
	1997	1775.8	1973.6	2827.4	2872.8	2817.2	3017.0	3101.5	3078.6	2841.3	1977.1	1983.6	968.7
	1998	1486.3	1587.8	2385.6	2444.7	2993.4	2385.2	2779.0	2605.3	2170.6	2009.8	1737.1	1598.4
	1999	1395.2	1719.8	2631.2	2569.0	3053.0	2773.4	2346.4	2064.1	2000.2	1954.9	1953.0	1461.7
	2000	1255.0	1733.0	2129.3	2704.4	2950.3	2643.2	2585.6	2002.2	2281.4	2075.4	1499.8	1432.6
Seeley	1995	295.1	322.6	587.7	769.0	677.9	556.4	647.6	599.7	358.7	411.6	390.9	387.0
	1996	357.8	312.1	625.5	616.5	606.1	762.9	697.4	481.9	401.3	444.2	365.5	356.1
	1997	334.2	454.9	624.4	599.7	573.2	630.7	611.9	581.0	409.6	424.5	443.0	308.0
	1998	460.2	171.8	601.4	676.9	694.9	459.6	572.8	407.0	375.7	492.8	378.4	353.3
	1999	301.0	334.3	637.3	591.1	662.6	592.6	476.5	568.3	390.8	463.4	411.3	357.8
	2000	427.0	278.8	583.7	554.6	706.2	742.7	512.6	476.5	438.6	509.1	448.9	369.8
Similax	1995	0.0	0.0	18.0	26.5	7.5	17.9	20.7	0.0	25.4	0.0	23.0	0.0
	1996	16.6	24.7	19.2	24.6	6.2	16.8	22.8	19.5	0.0	0.0	0.0	0.0
	1997	0.0	45.4	16.9	0.0	9.6	27.9	14.7	16.3	0.0	0.0	0.0	22.2
	1998	12.3	28.3	17.8	25.0	1.2	0.0	19.5	0.0	0.0	23.0	23.7	34.2
	1999	27.2	27.0	17.5	28.5	0.0	0.0	17.3	0.0	25.7	0.0	15.7	4.6
	2000	0.0	0.0	13.3	20.7	6.3	21.2	18.8	6.1	27.1	8.8	0.0	0.0
Spruce 1	1995	114.7	161.2	138.5	235.7	187.4	194.0	155.5	193.0	166.7	210.3	137.9	83.1
	1996	180.5	156.4	204.1	238.4	250.3	181.2	135.7	128.6	113.2	307.2	199.6	158.8
	1997	172.3	185.3	201.1	182.5	182.7	175.4	187.5	179.3	219.6	255.2	179.6	128.5
	1998	97.8	67.0	173.2	218.7	180.0	189.4	168.6	190.3	183.8	234.7	168.7	152.2
	1999	179.4	156.4	280.4	214.1	245.1	208.5	158.6	222.1	212.7	180.3	154.5	154.1
	2000	105.2	82.1	143.3	247.8	234.1	185.7	135.9	97.0	106.7	198.1	107.0	182.8
Spruce 3	1995	57.3	83.2	133.2	104.7	154.4	161.9	182.5	114.1	88.7	94.1	26.3	108.9
	1996	70.1	97.1	97.7	149.5	149.0	100.9	86.5	154.6	99.0	132.1	71.1	32.3
	1997	95.7	66.0	91.7	134.3	113.0	146.9	149.8	151.2	110.9	114.0	44.6	92.4
	1998	64.6	75.8	87.7	97.0	134.5	127.9	133.5	97.3	71.0	107.2	80.5	80.1
	1999	110.2	118.2	178.3	87.7	96.0	145.3	121.7	97.3	88.3	116.2	91.0	50.8

Table C- 16: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2000	136.9	68.1	129.6	110.5	60.5	72.1	77.3	67.8	86.2	126.7	104.4	16.5
Spruce 4	1995	40.5	37.0	71.1	57.2	55.6	28.1	0.0	19.7	34.3	52.6	33.3	36.7
	1996	48.4	30.4	45.6	51.1	84.2	72.6	65.4	51.8	53.7	29.0	48.4	14.9
	1997	66.9	27.4	45.7	52.3	67.8	33.1	75.1	82.2	33.7	25.8	62.1	18.2
	1998	58.5	18.7	52.5	47.0	53.5	77.7	90.7	30.0	35.8	67.6	23.7	42.6
	1999	48.3	29.1	71.8	47.0	52.6	75.6	79.8	49.5	31.1	20.4	74.6	19.5
	2000	36.6	26.3	35.7	54.0	19.5	102.4	90.4	51.7	35.9	37.8	12.6	14.3
Spruce	1995	281.0	385.9	629.7	670.2	612.3	498.2	484.2	428.8	431.4	573.4	440.8	392.2
	1996	330.9	464.2	604.6	547.9	574.7	517.0	425.0	480.1	448.1	673.8	543.3	442.4
	1997	258.8	475.0	524.4	564.1	519.3	372.2	466.9	392.9	395.3	524.9	340.9	330.2
	1998	427.7	312.6	406.2	466.3	502.3	391.2	476.1	469.1	280.4	444.4	364.4	472.1
	1999	437.8	238.3	517.3	437.1	543.5	394.9	276.9	378.5	270.4	548.2	475.1	401.4
	2000	342.5	219.2	466.7	485.6	503.9	423.1	275.3	417.6	273.2	557.4	672.9	383.6
Sumac	1995	188.9	197.3	369.8	340.6	328.6	293.8	310.5	327.5	376.6	354.1	260.8	237.9
	1996	288.4	246.3	314.0	293.5	305.2	233.4	297.5	237.5	213.7	420.6	349.6	319.4
	1997	269.3	208.3	333.9	307.9	355.8	304.8	390.8	245.3	200.2	463.6	322.9	240.3
	1998	215.9	138.9	334.3	290.6	355.1	209.9	293.3	297.3	259.4	459.0	305.0	222.1
	1999	186.1	277.4	378.3	326.6	331.4	230.0	208.9	242.3	210.4	337.6	270.7	261.2
	2000	246.0	280.7	306.4	282.1	293.6	246.7	282.1	278.7	303.4	354.2	215.0	307.5
Tamarack	1995	143.9	115.2	273.7	289.5	353.0	254.4	230.9	213.5	358.8	246.7	227.8	193.8
	1996	202.3	178.7	303.5	326.3	316.5	272.1	206.8	216.8	269.5	286.2	197.7	212.0
	1997	206.8	200.0	271.5	344.1	290.2	206.0	171.2	308.3	280.5	241.9	297.4	229.3
	1998	181.0	62.1	269.9	294.6	316.4	188.3	266.1	210.1	353.5	190.0	228.6	225.0
	1999	205.8	146.0	294.4	281.4	314.2	115.2	189.7	106.7	286.8	325.8	286.8	204.8
	2000	125.8	145.5	228.1	280.6	299.1	174.3	236.7	231.4	245.3	252.5	225.1	230.9
Timothy 1	1995	547.8	618.3	1159.1	1363.5	1014.2	844.6	796.4	807.3	836.4	953.5	829.6	546.0
	1996	642.1	745.6	968.0	1085.8	924.0	887.3	925.3	814.0	859.1	954.5	577.6	696.1
	1997	562.9	804.8	990.7	1041.4	868.0	777.2	809.8	826.6	915.2	861.9	733.3	684.5
	1998	637.0	639.1	882.9	1047.5	950.4	651.2	864.7	645.7	719.7	850.9	1023.3	848.7

Table C- 16: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1999	861.9	769.1	1098.0	986.2	964.2	758.9	680.2	665.6	605.2	842.6	920.7	798.4
	2000	796.3	685.5	1162.6	1038.5	800.0	595.3	763.1	782.2	689.0	845.0	735.1	668.5
Timothy 2	1995	99.8	136.9	274.2	289.3	210.8	143.0	174.2	130.4	206.1	219.1	208.8	126.9
	1996	145.6	113.7	220.8	254.6	257.3	106.5	182.8	150.6	149.2	237.0	171.6	145.8
	1997	99.8	173.2	174.8	186.1	182.7	145.2	153.0	108.4	190.2	249.0	229.9	112.9
	1998	82.6	56.1	145.2	165.7	196.5	152.8	148.3	128.0	158.7	204.8	87.5	80.0
	1999	159.4	45.6	188.3	177.7	178.9	109.1	132.8	102.0	178.1	182.7	213.0	127.7
	2000	151.3	115.0	157.6	159.7	188.0	107.0	151.6	155.4	115.4	276.4	117.4	189.2
Trifolium 3	1995	413.0	485.2	738.1	896.7	665.9	534.8	568.7	772.4	460.4	812.5	379.6	563.1
	1996	503.4	582.9	797.6	789.4	610.1	511.7	674.9	667.5	477.2	754.8	696.9	434.3
	1997	556.8	516.7	818.5	711.1	686.5	620.3	576.3	691.1	562.6	635.9	612.1	397.2
	1998	504.2	454.3	671.3	814.6	782.7	478.4	660.8	659.0	435.3	747.5	594.3	425.3
	1999	590.1	554.3	935.6	865.8	641.1	592.2	476.2	488.5	399.9	739.8	423.8	564.5
	2000	484.5	443.7	698.9	721.9	714.7	464.8	486.5	507.0	439.8	676.0	468.2	574.2
Trifolium 4	1995	406.5	470.8	804.1	780.3	712.2	574.2	559.8	634.2	563.6	645.2	486.4	420.7
	1996	550.5	596.5	781.3	857.3	626.2	525.4	520.1	567.9	509.9	655.7	409.7	537.2
	1997	527.4	727.8	758.4	852.7	464.9	490.0	502.0	594.9	689.8	573.4	523.7	316.2
	1998	576.9	493.9	697.5	830.1	653.4	410.6	498.9	587.0	504.0	651.6	547.2	566.5
	1999	538.5	577.2	775.0	751.6	610.5	538.6	453.6	484.5	530.8	664.8	553.2	600.1
	2000	406.9	434.4	696.6	715.7	510.5	473.4	470.6	435.7	530.1	746.7	474.0	475.8
Trifolium 6	1995	695.3	758.7	1267.7	1449.9	1125.8	915.8	885.5	1039.7	1127.9	1124.3	843.7	732.5
	1996	781.2	1072.2	1182.9	1269.9	1067.2	984.6	1095.0	920.9	1064.5	915.9	843.8	714.7
	1997	865.5	875.9	1190.8	1119.9	1076.9	819.0	980.9	935.4	894.3	962.0	997.7	601.6
	1998	845.1	766.2	1109.9	1228.5	1071.3	820.2	992.6	863.5	832.2	1099.6	824.9	816.7
	1999	1142.0	882.1	1188.5	1054.6	927.3	694.4	657.7	720.9	726.1	1010.2	970.8	931.6
	2000	855.5	762.8	1083.2	1056.9	920.8	675.1	737.2	889.4	807.3	872.1	885.6	625.7
Trifolium 7	1995	989.4	1359.9	1789.2	1703.0	1660.2	1219.4	1571.7	1398.5	1159.7	1444.0	1108.5	1081.2
	1996	1421.5	1428.9	1676.1	1668.8	1514.0	1292.3	1474.9	1212.4	1077.7	1613.0	1215.9	1016.4
	1997	1020.6	1416.2	1499.1	1572.0	1460.8	1127.6	1419.2	1386.6	1518.1	1355.9	1034.5	1032.0

Table C- 16: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1998	1202.7	1213.2	1887.1	1752.1	1421.4	1036.7	1249.6	1350.8	1140.4	1401.8	1214.1	1274.7
	1999	1554.7	1452.6	1743.6	1635.3	1407.8	1108.2	1021.6	1142.2	1192.3	1518.9	1291.2	1335.6
	2000	1140.2	1233.6	1579.0	1536.7	1414.4	1143.5	1191.0	1359.9	1123.7	1482.1	1131.8	1105.6
Trifolium 8	1995	500.1	535.2	855.7	868.2	728.9	658.0	761.9	551.8	576.3	553.5	671.1	538.4
	1996	793.1	721.2	1006.4	981.9	754.5	539.3	579.4	507.3	483.4	600.7	493.5	547.6
	1997	498.9	704.4	908.9	977.8	608.9	509.0	683.7	687.9	522.5	809.2	574.5	531.4
	1998	587.6	546.6	738.2	679.1	800.8	605.6	815.1	727.9	530.0	770.4	637.2	724.8
	1999	652.0	526.4	738.8	794.3	736.0	519.5	588.6	618.4	534.6	397.0	393.8	565.7
	2000	669.3	608.0	837.7	852.8	612.7	692.2	685.3	597.1	605.2	663.3	579.0	505.3
Trifolium 9	1995	831.3	856.0	1293.5	1451.4	1515.9	1128.1	1185.4	958.7	1202.1	1154.1	884.8	941.6
	1996	1141.5	1149.3	1456.9	1596.0	1280.0	1030.9	1071.7	1147.9	1152.2	1314.7	1235.0	1183.0
	1997	992.9	1038.1	1454.0	1291.3	1047.4	946.1	825.2	983.3	1201.3	1055.4	1196.3	773.0
	1998	1040.6	864.4	1248.1	1519.3	1318.9	816.4	1122.2	1037.1	861.5	1311.5	1105.2	1266.8
	1999	1246.8	940.4	1326.5	1150.3	1302.1	869.4	789.0	870.0	1232.2	881.6	1122.1	1021.8
	2000	900.8	919.6	1166.4	1254.6	929.9	674.5	966.2	1018.7	891.3	1204.5	987.7	906.4
Trifolium 10	1995	542.3	650.4	1161.8	1266.5	794.2	731.7	701.8	866.4	772.0	752.9	690.8	464.0
	1996	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1997	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1998	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1999	0.0	0.0	0.0	0.0	854.3	586.1	513.8	621.0	700.9	467.3	659.8	681.8
	2000	580.8	659.1	776.8	818.8	768.1	551.1	628.6	619.6	451.3	0.0	0.0	0.0
Trifolium 11	1995	239.4	292.3	527.2	688.7	475.3	345.2	316.5	330.7	413.2	357.0	363.2	257.5
	1996	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1997	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1998	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1999	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vail	1995	120.1	202.3	272.0	251.3	194.8	139.1	236.5	108.5	79.5	237.6	74.8	159.7
	1996	150.4	154.7	295.8	219.5	157.5	259.2	201.0	182.0	166.0	201.2	170.4	184.1

Table C- 16: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1997	126.9	198.8	217.5	209.2	259.9	282.5	212.5	266.5	232.3	225.6	148.1	167.3
	1998	134.8	79.5	212.5	246.5	101.0	70.4	201.2	201.4	268.4	230.8	135.7	187.2
	1999	207.9	116.4	188.3	229.6	261.6	240.1	171.6	187.7	229.6	221.9	80.1	189.8
	2000	149.0	125.3	226.3	216.2	206.6	237.0	234.1	211.0	157.5	192.9	109.1	205.2
Wixom	1995	47.5	144.8	189.0	196.4	226.2	250.3	207.2	245.6	187.4	65.1	89.4	99.5
	1996	68.7	165.8	247.3	230.0	180.3	261.6	197.2	176.3	171.5	274.3	55.9	117.8
	1997	46.1	125.3	238.0	224.2	201.6	205.4	243.5	289.1	165.5	188.4	50.0	44.2
	1998	77.8	61.9	169.1	162.0	236.1	176.9	201.4	283.3	229.1	165.3	96.4	37.8
	1999	41.4	76.3	168.4	213.3	266.9	277.8	139.0	172.6	129.4	133.8	132.8	61.2
	2000	68.9	116.9	201.2	242.0	275.1	197.6	298.8	213.4	220.7	211.5	85.9	60.3
Wormwood 7	1995	207.1	230.2	367.5	442.3	441.3	368.4	328.0	367.0	153.7	288.1	187.7	229.7
	1996	199.1	150.8	393.5	359.9	325.0	362.3	317.6	309.9	280.7	289.0	254.9	313.7
	1997	244.6	266.7	335.3	382.1	418.7	331.1	337.1	422.8	174.8	209.1	226.7	266.2
	1998	292.7	176.9	347.6	371.8	393.5	298.7	311.9	235.5	313.4	372.1	263.7	191.2
	1999	360.0	173.8	380.9	387.0	394.1	338.3	334.8	350.7	277.7	298.0	155.5	211.6
	2000	227.8	181.2	324.6	345.7	334.5	334.5	319.7	243.5	204.8	302.5	220.7	294.9

Table C- 17: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
All-American 10	1995	224.4	176.9	246.8	391.9	414.1	301.7	292.9	328.7	364.3	332.0	216.8	326.0
	1996	274.8	215.9	323.7	369.5	261.6	266.9	298.8	327.4	388.2	357.0	309.4	251.6
	1997	312.0	182.3	321.4	339.7	319.3	212.8	304.0	316.5	370.8	315.7	315.6	273.6
	1998	270.5	140.8	243.3	331.7	328.9	263.9	307.9	310.1	361.7	251.0	358.8	274.4
	1999	278.4	234.8	305.0	314.0	358.5	376.2	304.7	350.1	263.0	357.0	259.8	290.1
	2000	295.8	255.4	246.6	316.1	413.8	352.2	308.2	331.5	251.1	213.0	363.5	228.5
All-American 14	1995	2.7	1.9	3.6	3.2	2.7	2.6	3.0	2.2	3.7	3.8	2.1	4.9
	1996	4.4	4.2	2.9	3.3	2.8	2.3	2.7	3.0	3.6	4.4	4.5	5.1
	1997	2.7	3.9	3.2	3.2	3.3	2.7	2.8	3.2	4.0	4.3	4.8	5.5
	1998	5.1	1.7	2.8	3.0	2.3	2.5	2.6	2.3	3.2	4.3	4.9	5.5
	1999	2.4	2.9	3.7	3.4	1.5	2.9	3.0	2.9	3.6	3.8	3.6	4.8
	2000	4.8	3.8	2.2	3.1	2.8	2.3	2.7	3.0	3.6	4.3	4.6	6.1
All-American 9	1995	50.4	65.2	216.3	162.8	213.6	236.8	177.3	224.3	212.6	221.6	73.1	2.1
	1996	82.9	71.2	183.5	247.6	236.6	215.7	214.8	255.3	245.0	198.3	67.4	20.1
	1997	63.4	67.1	209.4	220.8	292.9	181.5	238.4	192.8	267.3	148.1	124.1	45.4
	1998	41.8	71.6	142.8	172.7	269.7	122.6	105.7	244.4	36.2	252.5	113.9	95.8
	1999	72.6	153.6	152.8	216.3	107.4	90.9	80.6	203.2	158.3	141.1	71.4	106.8
	2000	62.4	121.6	140.2	179.0	189.7	104.4	121.1	168.6	13.6	151.4	65.2	3.2
Baughman	1995	83.7	60.5	173.4	185.0	197.7	177.7	170.5	159.3	127.0	96.3	148.9	65.9
	1996	129.6	111.5	174.3	128.0	172.7	142.8	91.8	167.0	71.4	167.7	105.7	86.5
	1997	61.6	131.2	129.0	116.6	129.9	171.7	187.0	138.8	58.7	61.6	72.0	140.1
	1998	156.7	90.2	151.5	149.8	115.7	62.7	103.3	120.5	39.3	151.2	124.5	122.3
	1999	85.1	130.4	142.3	89.1	158.4	162.2	130.0	102.8	85.3	40.7	47.9	47.8
	2000	101.9	79.2	133.9	134.1	153.2	87.5	113.5	131.0	154.1	137.0	35.3	50.0
Beech	1995	285.5	482.0	695.8	697.7	585.4	448.3	480.2	403.0	382.4	479.2	543.7	357.5
	1996	443.1	536.3	631.1	550.1	452.9	480.9	521.0	447.7	509.6	555.0	657.1	422.4
	1997	363.4	523.6	616.8	575.1	534.0	457.1	429.4	509.2	280.9	559.5	426.2	331.1
	1998	273.0	272.4	634.1	659.2	500.8	356.0	486.9	457.3	415.8	550.0	357.8	543.3

Table C- 17: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1999	384.2	357.3	608.7	558.7	626.1	449.9	421.2	384.2	203.2	550.4	184.7	417.1
	2000	362.9	416.2	610.8	625.5	651.0	427.2	507.9	494.3	525.6	569.7	454.4	348.1
Best	1995	109.1	121.2	219.8	197.3	160.1	139.3	269.0	136.3	195.0	87.1	56.1	191.5
	1996	161.3	142.9	235.3	251.7	90.0	104.1	208.4	75.1	195.7	58.0	172.8	135.1
	1997	153.5	154.5	256.0	224.7	69.8	42.6	121.1	47.5	170.2	164.7	143.0	74.1
	1998	156.8	105.5	215.3	156.1	96.7	111.0	121.6	60.4	114.6	175.6	169.2	117.8
	1999	104.2	136.0	214.8	202.8	141.4	101.3	147.3	93.2	98.6	69.6	90.5	184.5
	2000	120.8	50.2	197.7	183.3	101.5	221.9	185.1	84.5	109.1	134.1	156.9	133.3
Birch 3	1995	23.6	28.9	31.5	58.6	46.6	34.5	30.7	27.9	19.3	39.6	37.3	10.9
	1996	14.9	40.8	22.1	51.3	35.7	52.2	44.6	38.1	30.5	25.7	53.6	29.8
	1997	36.1	29.0	46.2	50.3	27.2	43.1	39.1	71.5	24.6	45.8	43.7	17.5
	1998	21.6	29.9	69.5	45.8	43.9	47.5	32.2	75.2	36.3	62.8	54.2	48.9
	1999	27.2	39.4	63.2	60.6	61.8	47.9	34.0	52.3	3.6	75.5	19.5	43.8
	2000	49.8	31.8	46.9	48.2	46.0	44.0	21.5	25.1	9.6	71.8	17.1	30.6
Blue Lake	1995	160.3	91.0	226.6	276.3	339.0	269.9	273.9	283.6	192.6	336.2	172.0	217.5
	1996	189.1	123.9	171.1	320.3	296.3	324.9	319.3	230.0	354.4	330.2	188.4	128.1
	1997	200.8	182.7	325.0	326.9	308.1	289.7	287.2	302.4	198.8	360.6	268.6	166.7
	1998	218.9	79.2	239.1	301.7	305.9	288.2	307.5	206.4	286.1	312.2	247.9	256.5
	1999	237.6	142.4	345.9	295.7	313.6	287.0	238.7	271.2	213.9	306.9	240.2	163.4
	2000	178.4	161.1	275.8	255.4	313.1	316.7	290.9	267.9	203.3	292.3	179.5	230.4
Bullhead Slough	1995	150.1	173.8	237.6	417.6	363.8	407.1	283.0	308.2	298.0	254.1	140.6	170.0
	1996	153.0	192.1	252.3	371.2	350.5	379.9	280.2	281.2	203.5	255.1	306.3	179.1
	1997	181.7	164.8	261.9	322.7	343.5	398.8	344.1	336.5	237.4	251.6	227.6	192.8
	1998	211.9	122.0	240.2	385.2	353.0	253.6	295.2	261.5	254.0	321.7	255.7	194.2
	1999	265.2	212.8	332.8	370.7	358.2	315.8	283.9	213.7	257.5	253.2	171.6	150.7
	2000	148.9	153.4	309.5	311.2	321.8	306.1	321.3	253.1	213.2	300.1	122.6	204.0
Cole	1995	109.3	144.0	261.9	294.3	219.8	163.4	167.4	171.7	143.7	193.3	169.2	198.4
	1996	144.3	203.1	270.1	278.3	245.9	125.2	137.0	161.0	149.8	123.7	170.0	188.3
	1997	145.3	180.7	247.0	215.7	174.5	119.1	107.1	116.1	217.5	232.2	174.7	202.3

Table C- 17: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Drain	1998	143.9	88.7	253.0	242.6	167.8	152.8	208.6	147.8	177.1	234.7	171.5	189.4
	1999	130.7	227.1	248.0	193.8	227.0	147.6	206.9	143.0	170.2	139.7	155.6	155.9
	2000	134.0	129.4	259.2	250.2	206.3	159.2	184.2	167.6	190.8	216.0	172.3	217.0
Cook	1995	77.2	66.1	152.4	142.7	110.8	99.3	109.9	112.5	86.2	101.8	77.3	91.2
	1996	85.1	71.6	108.0	118.7	108.6	73.2	118.4	118.3	143.8	158.3	85.7	121.2
	1997	72.8	102.5	111.1	118.7	114.3	79.3	82.5	108.5	90.0	125.0	66.6	82.4
	1998	91.6	33.3	95.4	99.4	115.4	96.7	97.8	96.5	54.1	67.0	59.9	91.1
	1999	149.6	83.1	89.0	101.0	90.8	68.0	90.3	50.6	84.7	106.7	124.7	94.9
	2000	95.0	33.8	149.4	134.1	113.8	91.5	89.9	63.8	31.8	124.5	132.5	103.4
Elder 14	1995	150.4	148.7	482.7	562.9	398.1	448.4	443.8	446.4	391.9	395.2	130.8	129.9
	1996	263.0	255.8	445.7	455.1	538.0	371.0	490.7	307.4	474.8	338.8	140.1	191.1
	1997	218.1	349.9	429.1	475.2	470.9	370.3	452.6	274.4	549.9	327.7	338.1	206.2
	1998	169.0	127.6	452.0	485.3	402.1	270.0	434.3	323.8	358.8	229.1	221.0	297.8
	1999	202.1	312.0	482.6	490.0	481.2	294.2	429.2	359.4	478.5	467.1	277.7	218.6
	2000	112.7	319.0	397.9	410.8	471.8	353.5	457.6	456.8	401.8	429.9	156.6	303.7
Elder 1	1995	49.2	41.6	112.7	122.2	108.7	106.5	122.1	117.6	96.3	68.1	78.1	40.0
	1996	37.6	65.3	119.4	131.6	119.6	135.1	104.6	132.0	74.0	133.0	87.2	74.2
	1997	53.8	67.8	117.8	82.2	100.7	111.4	122.1	150.1	65.3	84.6	66.4	58.8
	1998	67.9	55.4	88.0	86.3	118.6	88.2	101.0	116.6	98.5	95.4	104.8	73.6
	1999	76.7	58.6	82.4	84.1	118.4	92.3	68.3	87.2	83.1	88.6	69.4	78.6
	2000	77.5	78.7	97.3	91.8	103.8	103.7	66.3	92.5	50.2	117.8	119.0	100.9
Elder 3	1995	25.4	16.2	24.8	34.8	39.9	49.4	77.0	56.0	81.2	45.3	14.0	40.4
	1996	38.7	26.8	44.3	43.5	44.5	50.7	40.9	76.8	61.6	48.6	21.2	31.3
	1997	23.6	30.9	37.6	22.9	41.9	49.4	64.8	64.3	25.9	50.1	1.1	5.9
	1998	39.2	22.7	15.5	34.2	38.3	42.7	44.7	45.4	43.2	51.7	4.2	33.2
	1999	39.7	20.3	20.2	36.2	45.2	49.4	49.3	44.0	57.4	48.7	13.8	29.1
	2000	22.1	33.3	20.0	35.6	54.1	52.7	46.5	49.1	22.6	47.1	20.9	56.8
Elder	1995	11.9	19.1	41.7	37.5	40.5	37.8	51.4	48.1	33.4	26.7	19.4	43.9
	1996	24.9	30.2	37.6	36.4	39.2	37.9	31.3	35.1	10.1	45.0	21.5	24.5

Table C- 17: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Drain	1997	17.1	55.5	47.7	33.3	33.2	37.9	34.2	48.0	17.1	14.5	24.8	31.7
	1998	17.2	27.5	35.7	40.0	40.7	44.8	49.1	33.1	28.8	15.4	18.9	41.7
	1999	17.9	15.6	48.1	28.4	41.2	41.8	48.7	22.5	16.9	69.2	22.9	29.1
	2000	12.8	34.3	38.6	42.5	51.0	39.3	38.1	18.3	20.6	45.9	20.9	10.2
Fillaree	1995	483.7	717.6	1121.4	1244.4	1170.6	1331.9	1096.7	1718.7	1095.7	652.9	296.0	597.7
	1996	505.0	807.8	1429.1	1440.5	1278.4	1214.9	1206.8	1386.2	1029.2	925.7	703.4	660.0
	1997	651.4	1028.1	1408.3	1229.8	1219.3	1325.2	1308.2	1594.8	1144.2	732.1	1006.6	683.2
	1998	692.9	527.2	1289.4	1319.9	1122.5	1008.9	1036.7	928.8	1029.7	1048.9	999.2	705.4
	1999	637.5	959.3	1171.4	1109.0	1185.2	1312.5	967.7	1000.5	977.6	841.3	649.5	499.7
	2000	598.4	419.2	949.1	1074.8	1095.8	999.5	840.4	876.7	871.1	989.4	874.1	728.1
Flax	1995	44.6	112.3	161.9	165.8	217.1	176.2	191.6	172.6	73.0	131.0	51.9	33.9
	1996	60.2	56.4	161.0	139.7	190.5	145.3	126.3	175.8	160.2	100.9	90.1	35.0
	1997	52.2	73.0	185.2	159.7	194.5	166.6	173.0	181.7	102.3	96.6	90.5	43.4
	1998	52.0	64.6	126.5	163.0	207.8	126.8	210.3	172.4	148.4	87.5	26.2	45.0
	1999	65.9	94.8	119.5	160.2	188.4	166.9	135.3	148.8	161.9	114.3	35.7	46.2
	2000	55.2	89.7	119.9	149.8	198.1	158.4	106.5	173.6	172.1	145.7	110.9	15.6
Gardner	1995	122.4	177.9	176.5	233.4	185.2	210.5	221.0	237.8	247.7	264.8	145.8	163.0
	1996	191.0	138.6	247.4	220.5	185.8	171.6	225.3	210.6	248.9	258.3	121.5	148.1
	1997	180.7	192.3	218.8	211.1	188.5	134.4	187.4	182.5	177.9	237.8	134.8	154.2
	1998	107.2	132.3	198.1	232.7	184.3	117.9	163.3	132.2	237.1	234.1	197.3	211.3
	1999	122.7	119.5	175.2	219.4	145.9	227.9	191.5	143.9	69.5	253.5	194.1	131.3
	2000	179.0	123.3	194.5	198.2	139.9	136.3	161.8	143.4	208.5	251.2	159.6	130.9
Livesley	1995	100.4	187.0	414.3	398.6	295.5	259.3	374.4	334.0	444.7	290.1	191.0	175.4
	1996	242.1	190.4	375.1	385.0	320.2	306.8	265.6	284.8	242.7	235.2	129.7	72.3
	1997	112.8	250.2	349.9	375.3	319.6	277.3	385.9	391.7	429.8	287.3	173.7	191.4
	1998	144.3	87.6	317.0	437.2	303.3	266.5	411.2	386.7	468.7	270.6	103.1	76.8
	1999	102.5	198.7	358.2	309.3	433.1	318.5	264.1	375.6	256.0	261.6	56.3	101.7
	2000	47.9	71.2	306.6	425.0	398.2	346.2	267.4	326.8	364.8	328.8	110.8	96.5
Malan	1995	21.7	32.7	51.9	50.9	22.0	14.1	51.3	9.1	17.4	40.6	41.6	23.7

Table C- 17: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Drain	1996	22.4	33.2	39.6	48.7	34.1	30.5	43.3	6.5	11.8	54.8	37.8	33.3
	1997	24.7	32.4	38.4	33.0	5.3	42.0	23.6	17.0	32.8	17.3	20.7	11.4
	1998	13.5	30.6	16.1	43.1	10.0	12.3	11.6	28.6	17.0	54.0	36.3	37.0
	1999	34.8	32.4	41.0	38.0	32.2	11.0	81.4	4.0	15.5	18.5	32.9	17.8
	2000	13.4	42.1	16.4	43.3	53.3	30.3	27.2	13.3	18.3	32.2	15.3	18.7
	Meserve	1995	33.3	14.2	74.3	58.0	92.0	80.9	73.5	81.0	4.9	92.5	48.6
	1996	74.4	47.6	53.3	76.6	67.4	89.3	60.4	96.9	48.5	130.8	17.0	69.8
	1997	46.4	58.7	46.7	76.5	71.5	89.2	78.8	38.5	59.9	72.1	59.6	46.6
	1998	54.1	41.9	62.1	75.2	67.5	81.0	39.7	39.2	44.3	22.9	57.1	51.7
	1999	13.7	50.6	66.6	99.0	76.0	85.2	65.7	76.5	20.2	69.8	37.1	32.5
	2000	24.6	63.8	43.0	68.3	80.8	76.8	75.8	93.8	113.0	24.5	49.5	65.5
New River	1995	2072.9	2276.3	3668.1	4305.0	4159.7	3417.0	3490.3	3776.5	3407.1	3307.7	2595.9	2323.0
	1996	2893.8	2763.2	4044.0	4489.3	3927.2	3652.3	3454.4	3190.8	3396.8	3753.4	3409.0	2743.6
	1997	2198.9	2706.7	4077.3	4096.6	3895.7	3425.7	3419.3	3674.6	3526.4	3285.3	2914.3	2125.7
	1998	2648.8	1462.7	3507.6	3861.6	3802.7	2776.2	3488.3	3150.2	2724.3	3728.5	2877.8	2479.4
	1999	2971.9	2162.7	3712.2	3661.0	3970.7	3399.1	3208.0	2765.6	2514.8	3604.4	2760.7	2739.5
	2000	2551.1	2234.0	3359.7	3755.0	3573.1	3015.9	3468.1	3042.1	2876.6	3665.2	2884.7	2573.1
North Central	1995	381.3	489.6	943.7	850.1	941.2	927.9	950.2	976.9	734.4	569.7	594.9	518.8
	1996	517.3	583.6	884.5	1029.2	883.8	838.1	841.9	853.3	900.3	781.3	694.4	577.9
	1997	467.2	614.4	991.4	980.2	912.6	824.5	813.4	935.4	1103.3	704.4	589.8	548.8
	1998	509.6	308.6	811.7	951.3	810.8	718.6	671.8	786.5	626.8	639.0	520.4	613.8
	1999	520.0	446.7	782.1	899.8	746.2	635.3	653.1	609.3	528.3	755.6	492.6	469.5
	2000	424.7	408.0	748.1	837.0	799.9	719.8	565.4	553.0	684.4	675.7	541.3	626.5
O'Brien	1995	42.6	8.3	50.3	74.5	94.0	90.4	67.9	100.8	43.5	83.9	48.5	23.2
	1996	66.0	25.8	78.0	51.1	52.9	73.3	79.0	41.0	88.0	97.9	85.1	45.2
	1997	63.8	41.3	88.7	57.5	79.0	30.2	74.1	24.5	78.0	18.9	86.0	2.9
	1998	58.2	29.7	51.6	63.2	39.8	16.0	24.3	80.2	50.9	88.5	71.0	61.8
	1999	32.3	49.1	54.7	78.9	41.8	61.5	26.6	49.3	60.4	72.6	47.3	43.4
	2000	51.3	42.4	48.6	58.7	71.9	71.5	46.2	43.0	57.3	65.1	94.1	20.3

Table C- 17: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Pinner	1995	183.1	201.7	401.1	427.2	355.9	329.2	363.0	287.7	212.4	279.3	254.7	286.7
	1996	241.4	362.5	393.6	422.2	358.9	323.6	374.8	317.8	304.2	337.0	222.9	315.6
	1997	188.7	248.3	387.2	452.9	377.7	271.9	369.5	245.2	246.8	357.2	308.6	240.1
	1998	280.9	126.2	332.5	441.1	399.8	317.8	325.1	284.9	340.5	378.5	352.2	271.9
	1999	222.9	207.2	347.7	386.7	423.8	388.3	368.0	281.8	240.3	326.2	163.8	220.0
	2000	235.8	256.9	351.5	385.1	334.3	330.2	342.6	303.8	241.5	250.7	252.8	272.7
Raymond	1995	151.7	104.0	369.5	440.5	456.3	417.1	427.1	334.8	254.0	387.4	181.2	218.6
	1996	214.3	365.6	383.9	428.2	394.8	496.6	341.5	307.6	349.0	263.6	357.5	226.0
	1997	162.0	301.3	293.5	354.6	312.1	234.8	194.8	358.9	168.4	249.6	334.6	106.8
	1998	124.4	126.3	317.9	309.5	326.5	273.5	346.6	384.1	266.6	338.7	215.6	187.3
	1999	229.6	160.3	396.4	342.4	327.3	331.8	298.0	271.6	203.3	310.7	72.7	171.7
	2000	239.6	213.9	296.6	340.4	365.5	319.5	275.0	285.3	322.2	277.5	180.7	189.0
Reed 13	1995	55.8	57.9	86.1	113.6	55.1	39.9	18.0	48.0	30.1	81.1	91.3	60.4
	1996	74.4	49.3	77.4	95.5	43.3	4.1	8.8	78.2	9.9	30.8	73.3	57.4
	1997	68.7	33.5	58.8	77.7	56.6	55.5	71.7	83.5	27.6	82.5	118.3	76.6
	1998	52.6	43.4	57.6	90.2	47.6	63.4	60.5	58.8	36.7	67.7	94.4	63.6
	1999	96.4	61.1	75.4	90.5	63.5	26.2	36.7	56.5	20.2	83.0	104.8	63.7
	2000	65.2	45.5	49.2	90.7	44.0	36.0	84.0	25.2	55.8	148.8	85.1	76.1
Reed 15	1995	27.3	46.4	68.9	51.4	66.7	37.8	83.2	59.7	35.5	101.2	39.2	44.2
	1996	54.0	26.6	55.2	73.6	97.1	27.8	50.8	88.3	52.2	43.2	54.1	54.4
	1997	48.0	41.0	83.4	85.7	59.7	43.8	54.2	63.3	0.0	0.0	67.2	0.0
	1998	81.4	53.4	65.4	66.5	27.4	18.1	68.9	6.7	0.0	24.5	81.9	0.0
	1999	58.2	20.4	61.0	46.7	47.1	18.9	39.1	23.9	89.4	0.0	30.7	31.8
	2000	63.5	62.1	69.2	79.6	26.3	6.2	15.5	56.3	24.2	59.7	55.3	86.2
Riley 11	1995	48.4	38.2	77.8	89.7	44.5	61.9	67.0	33.4	77.0	59.5	18.8	42.1
	1996	47.6	46.4	85.8	92.4	39.3	10.8	58.5	41.9	18.3	69.5	31.2	57.1
	1997	50.5	63.4	84.7	97.5	45.0	34.3	72.1	42.5	53.6	64.9	90.9	23.0
	1998	70.8	21.3	67.8	97.3	44.3	57.3	57.9	69.0	60.1	58.8	71.9	65.9
	1999	61.9	98.5	77.7	81.7	53.5	32.6	34.0	75.6	25.1	69.0	30.6	28.4
	2000	77.2	63.9	91.9	80.0	37.1	19.4	37.5	46.8	32.9	88.6	48.6	48.2

Table C- 17: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Salt Creek	1995	1149.0	1849.7	2490.5	3071.4	2973.2	3022.9	2699.4	2852.8	2233.4	1524.0	1199.8	1215.8
	1996	1610.1	1729.5	2513.4	3097.4	2760.8	2870.7	2616.7	2545.4	2173.9	1907.0	1964.6	1629.4
	1997	1731.1	1932.9	2777.9	2825.6	2767.3	2972.1	3052.4	3027.4	2790.6	1937.6	1934.7	932.0
	1998	1459.1	1563.7	2348.5	2404.7	2947.9	2335.9	2724.5	2559.1	2114.1	1947.4	1683.7	1541.7
	1999	1340.5	1669.7	2572.8	2512.9	2996.2	2714.1	2283.0	2011.0	1947.2	1903.4	1901.3	1410.1
	2000	1200.7	1685.7	2077.0	2654.6	2896.9	2588.3	2519.8	1936.9	2219.5	2012.3	1449.0	1372.7
Seeley	1995	295.1	322.6	587.7	769.0	677.9	556.4	647.6	599.7	358.7	411.6	390.9	387.0
	1996	357.8	312.1	625.5	616.5	606.1	762.9	697.4	481.9	401.3	444.2	365.5	356.1
	1997	334.2	454.9	624.4	599.7	573.2	630.7	611.9	581.0	409.6	424.5	443.0	308.0
	1998	460.2	171.8	601.4	676.9	694.9	459.6	572.8	407.0	375.7	492.8	378.4	353.3
	1999	301.0	334.3	637.3	591.1	662.6	592.6	476.5	568.3	390.8	463.4	411.3	357.8
	2000	427.0	278.8	583.7	554.6	706.2	742.7	512.6	476.5	438.6	509.1	448.9	369.8
Similax	1995	0.0	0.0	18.0	26.5	7.5	17.9	20.7	0.0	25.4	0.0	23.0	0.0
	1996	16.6	24.7	19.2	24.6	6.2	16.8	22.8	19.5	0.0	0.0	0.0	0.0
	1997	0.0	45.4	16.9	0.0	9.6	27.9	14.7	16.3	0.0	0.0	0.0	22.2
	1998	12.3	28.3	17.8	25.0	1.2	0.0	19.5	0.0	0.0	23.0	23.7	34.2
	1999	27.2	27.0	17.5	28.5	0.0	0.0	17.3	0.0	25.7	0.0	15.7	4.6
	2000	0.0	0.0	13.3	20.7	6.3	21.2	18.8	6.1	27.1	8.8	0.0	0.0
Spruce 1	1995	114.7	161.2	138.5	235.7	187.4	194.0	155.5	193.0	166.7	210.3	137.9	83.1
	1996	180.5	156.4	204.1	238.4	250.3	181.2	135.7	128.6	113.2	307.2	199.6	158.8
	1997	172.3	185.3	201.1	182.5	182.7	175.4	187.5	179.3	219.6	255.2	179.6	128.5
	1998	97.8	67.0	173.2	218.7	180.0	189.4	168.6	190.3	183.8	234.7	168.7	152.2
	1999	179.4	156.4	280.4	214.1	245.1	208.5	158.6	222.1	212.7	180.3	154.5	154.1
	2000	105.2	82.1	143.3	247.8	234.1	185.7	135.9	97.0	106.7	198.1	107.0	182.8
Spruce 3	1995	57.3	83.2	133.2	104.7	154.4	161.9	182.5	114.1	88.7	94.1	26.3	108.9
	1996	70.1	97.1	97.7	149.5	149.0	100.9	86.5	154.6	99.0	132.1	71.1	32.3
	1997	95.7	66.0	91.7	134.3	113.0	146.9	149.8	151.2	110.9	114.0	44.6	92.4
	1998	64.6	75.8	87.7	97.0	134.5	127.9	133.5	97.3	71.0	107.2	80.5	80.1
	1999	110.2	118.2	178.3	87.7	96.0	145.3	121.7	97.3	88.3	116.2	91.0	50.8

Table C- 17: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2000	136.9	68.1	129.6	110.5	60.5	72.1	77.3	67.8	86.2	126.7	104.4	16.5
Spruce 4	1995	40.5	37.0	71.1	57.2	55.6	28.1	0.0	19.7	34.3	52.6	33.3	36.7
	1996	48.4	30.4	45.6	51.1	84.2	72.6	65.4	51.8	53.7	29.0	48.4	14.9
	1997	66.9	27.4	45.7	52.3	67.8	33.1	75.1	82.2	33.7	25.8	62.1	18.2
	1998	58.5	18.7	52.5	47.0	53.5	77.7	90.7	30.0	35.8	67.6	23.7	42.6
	1999	48.3	29.1	71.8	47.0	52.6	75.6	79.8	49.5	31.1	20.4	74.6	19.5
	2000	36.6	26.3	35.7	54.0	19.5	102.4	90.4	51.7	35.9	37.8	12.6	14.3
Spruce	1995	281.0	385.9	629.7	670.2	612.3	498.2	484.2	428.8	431.4	573.4	440.8	392.2
	1996	330.9	464.2	604.6	547.9	574.7	517.0	425.0	480.1	448.1	673.8	543.3	442.4
	1997	258.8	475.0	524.4	564.1	519.3	372.2	466.9	392.9	395.3	524.9	340.9	330.2
	1998	427.7	312.6	406.2	466.3	502.3	391.2	476.1	469.1	280.4	444.4	364.4	472.1
	1999	437.8	238.3	517.3	437.1	543.5	394.9	276.9	378.5	270.4	548.2	475.1	401.4
	2000	342.5	219.2	466.7	485.6	503.9	423.1	275.3	417.6	273.2	557.4	672.9	383.6
Sumac	1995	188.9	197.3	369.8	340.6	328.6	293.8	310.5	327.5	376.6	354.1	260.8	237.9
	1996	288.4	246.3	314.0	293.5	305.2	233.4	297.5	237.5	213.7	420.6	349.6	319.4
	1997	269.3	208.3	333.9	307.9	355.8	304.8	390.8	245.3	200.2	463.6	322.9	240.3
	1998	215.9	138.9	334.3	290.6	355.1	209.9	293.3	297.3	259.4	459.0	305.0	222.1
	1999	186.1	277.4	378.3	326.6	331.4	230.0	208.9	242.3	210.4	337.6	270.7	261.2
	2000	246.0	280.7	306.4	282.1	293.6	246.7	282.1	278.7	303.4	354.2	215.0	307.5
Tamarack	1995	143.9	115.2	273.7	289.5	353.0	254.4	230.9	213.5	358.8	246.7	227.8	193.8
	1996	202.3	178.7	303.5	326.3	316.5	272.1	206.8	216.8	269.5	286.2	197.7	212.0
	1997	206.8	200.0	271.5	344.1	290.2	206.0	171.2	308.3	280.5	241.9	297.4	229.3
	1998	181.0	62.1	269.9	294.6	316.4	188.3	266.1	210.1	353.5	190.0	228.6	225.0
	1999	205.8	146.0	294.4	281.4	314.2	115.2	189.7	106.7	286.8	325.8	286.8	204.8
	2000	125.8	145.5	228.1	280.6	299.1	174.3	236.7	231.4	245.3	252.5	225.1	230.9
Timothy 1	1995	547.8	618.3	1159.1	1363.5	1014.2	844.6	796.4	807.3	836.4	953.5	829.6	546.0
	1996	642.1	745.6	968.0	1085.8	924.0	887.3	925.3	814.0	859.1	954.5	577.6	696.1
	1997	562.9	804.8	990.7	1041.4	868.0	777.2	809.8	826.6	915.2	861.9	733.3	684.5
	1998	637.0	639.1	882.9	1047.5	950.4	651.2	864.7	645.7	719.7	850.9	1023.3	848.7

Table C- 17: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1999	861.9	769.1	1098.0	986.2	964.2	758.9	680.2	665.6	605.2	842.6	920.7	798.4
	2000	796.3	685.5	1162.6	1038.5	800.0	595.3	763.1	782.2	689.0	845.0	735.1	668.5
Timothy 2	1995	99.8	136.9	274.2	289.3	210.8	143.0	174.2	130.4	206.1	219.1	208.8	126.9
	1996	145.6	113.7	220.8	254.6	257.3	106.5	182.8	150.6	149.2	237.0	171.6	145.8
	1997	99.8	173.2	174.8	186.1	182.7	145.2	153.0	108.4	190.2	249.0	229.9	112.9
	1998	82.6	56.1	145.2	165.7	196.5	152.8	148.3	128.0	158.7	204.8	87.5	80.0
	1999	159.4	45.6	188.3	177.7	178.9	109.1	132.8	102.0	178.1	182.7	213.0	127.7
	2000	151.3	115.0	157.6	159.7	188.0	107.0	151.6	155.4	115.4	276.4	117.4	189.2
Trifolium 3	1995	413.0	485.2	738.1	896.7	665.9	534.8	568.7	772.4	460.4	812.5	379.6	563.1
	1996	503.4	582.9	797.6	789.4	610.1	511.7	674.9	667.5	477.2	754.8	696.9	434.3
	1997	556.8	516.7	818.5	711.1	686.5	620.3	576.3	691.1	562.6	635.9	612.1	397.2
	1998	504.2	454.3	671.3	814.6	782.7	478.4	660.8	659.0	435.3	747.5	594.3	425.3
	1999	590.1	554.3	935.6	865.8	641.1	592.2	476.2	488.5	399.9	739.8	423.8	564.5
	2000	484.5	443.7	698.9	721.9	714.7	464.8	486.5	507.0	439.8	676.0	468.2	574.2
Trifolium 4	1995	406.5	470.8	804.1	780.3	712.2	574.2	559.8	634.2	563.6	645.2	486.4	420.7
	1996	550.5	596.5	781.3	857.3	626.2	525.4	520.1	567.9	509.9	655.7	409.7	537.2
	1997	527.4	727.8	758.4	852.7	464.9	490.0	502.0	594.9	689.8	573.4	523.7	316.2
	1998	576.9	493.9	697.5	830.1	653.4	410.6	498.9	587.0	504.0	651.6	547.2	566.5
	1999	538.5	577.2	775.0	751.6	610.5	538.6	453.6	484.5	530.8	664.8	553.2	600.1
	2000	406.9	434.4	696.6	715.7	510.5	473.4	470.6	435.7	530.1	746.7	474.0	475.8
Trifolium 6	1995	684.4	747.0	1249.6	1424.8	1097.0	915.8	857.6	1011.9	1098.4	1086.2	805.8	701.8
	1996	747.0	1041.5	1152.5	1240.7	1036.7	955.5	1063.2	893.4	1044.5	899.6	828.6	699.4
	1997	845.3	860.5	1174.2	1104.3	1065.8	806.1	967.1	922.2	881.3	945.8	979.9	583.1
	1998	826.8	749.8	1092.0	1211.4	1056.7	806.0	978.2	849.5	818.3	1084.7	808.4	804.6
	1999	1122.0	868.0	1173.9	1039.9	912.0	680.1	643.3	706.8	712.3	995.0	970.8	911.2
	2000	833.5	743.6	1064.8	1040.2	904.5	659.0	720.9	873.6	791.9	856.4	864.1	602.5
Trifolium 7	1995	989.4	1359.9	1789.2	1703.0	1660.2	1219.4	1571.7	1398.5	1159.7	1444.0	1108.5	1081.2
	1996	1421.5	1428.9	1676.1	1668.8	1514.0	1292.3	1474.9	1212.4	1077.7	1613.0	1215.9	1016.4
	1997	1020.6	1416.2	1499.1	1572.0	1460.8	1127.6	1419.2	1386.6	1518.1	1355.9	1034.5	1032.0

Table C- 17: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1998	1202.7	1213.2	1887.1	1752.1	1421.4	1036.7	1249.6	1350.8	1140.4	1401.8	1214.1	1274.7
	1999	1554.7	1452.6	1743.6	1635.3	1407.8	1108.2	1021.6	1142.2	1192.3	1518.9	1291.2	1335.6
	2000	1140.2	1233.6	1579.0	1536.7	1414.4	1143.5	1191.0	1359.9	1123.7	1482.1	1131.8	1105.6
Trifolium 8	1995	500.1	535.2	855.7	868.2	728.9	658.0	761.9	551.8	576.3	553.5	671.1	538.4
	1996	793.1	721.2	1006.4	981.9	754.5	539.3	579.4	507.3	483.4	600.7	493.5	547.6
	1997	498.9	704.4	908.9	977.8	608.9	509.0	683.7	687.9	522.5	809.2	574.5	531.4
	1998	587.6	546.6	738.2	679.1	800.8	605.6	815.1	727.9	530.0	770.4	637.2	724.8
	1999	652.0	526.4	738.8	794.3	736.0	519.5	588.6	618.4	534.6	397.0	393.8	565.7
	2000	669.3	608.0	837.7	852.8	612.7	692.2	685.3	597.1	605.2	663.3	579.0	505.3
Trifolium 9	1995	831.3	856.0	1293.5	1451.4	1515.9	1128.1	1185.4	958.7	1202.1	1154.1	884.8	941.6
	1996	1141.5	1149.3	1456.9	1596.0	1280.0	1030.9	1071.7	1147.9	1152.2	1314.7	1235.0	1183.0
	1997	992.9	1038.1	1454.0	1291.3	1047.4	946.1	825.2	983.3	1201.3	1055.4	1196.3	773.0
	1998	1040.6	864.4	1248.1	1519.3	1318.9	816.4	1122.2	1037.1	861.5	1311.5	1105.2	1266.8
	1999	1246.8	940.4	1326.5	1150.3	1302.1	869.4	789.0	870.0	1232.2	881.6	1122.1	1021.8
	2000	900.8	919.6	1166.4	1254.6	929.9	674.5	966.2	1018.7	891.3	1204.5	987.7	906.4
Trifolium 10	1995	542.3	650.4	1161.8	1266.5	794.2	731.7	701.8	866.4	772.0	752.9	690.8	464.0
	1996	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1997	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1998	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1999	0.0	0.0	0.0	0.0	854.3	586.1	513.8	621.0	700.9	467.3	659.8	681.8
	2000	580.8	659.1	776.8	818.8	768.1	551.1	628.6	619.6	451.3	0.0	0.0	0.0
Trifolium 11	1995	239.4	292.3	527.2	688.7	475.3	345.2	316.5	330.7	413.2	357.0	363.2	257.5
	1996	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1997	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1998	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1999	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vail	1995	120.1	202.3	272.0	251.3	194.8	139.1	236.5	108.5	79.5	237.6	74.8	159.7
	1996	150.4	154.7	295.8	219.5	157.5	259.2	201.0	182.0	166.0	201.2	170.4	184.1

Table C- 17: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1997	126.9	198.8	217.5	209.2	259.9	282.5	212.5	266.5	232.3	225.6	148.1	167.3
	1998	134.8	79.5	212.5	246.5	101.0	70.4	201.2	201.4	268.4	230.8	135.7	187.2
	1999	207.9	116.4	188.3	229.6	261.6	240.1	171.6	187.7	229.6	221.9	80.1	189.8
	2000	149.0	125.3	226.3	216.2	206.6	237.0	234.1	211.0	157.5	192.9	109.1	205.2
Wixom	1995	47.5	144.8	189.0	196.4	226.2	250.3	207.2	245.6	187.4	65.1	89.4	99.5
	1996	68.7	165.8	247.3	230.0	180.3	261.6	197.2	176.3	171.5	274.3	55.9	117.8
	1997	46.1	125.3	238.0	224.2	201.6	205.4	243.5	289.1	165.5	188.4	50.0	44.2
	1998	77.8	61.9	169.1	162.0	236.1	176.9	201.4	283.3	229.1	165.3	96.4	37.8
	1999	41.4	76.3	168.4	213.3	266.9	277.8	139.0	172.6	129.4	133.8	132.8	61.2
	2000	68.9	116.9	201.2	242.0	275.1	197.6	298.8	213.4	220.7	211.5	85.9	60.3
Wormwood 7	1995	207.1	230.2	367.5	442.3	441.3	368.4	328.0	367.0	153.7	288.1	187.7	229.7
	1996	199.1	150.8	393.5	359.9	325.0	362.3	317.6	309.9	280.7	289.0	254.9	313.7
	1997	244.6	266.7	335.3	382.1	418.7	331.1	337.1	422.8	174.8	209.1	226.7	266.2
	1998	292.7	176.9	347.6	371.8	393.5	298.7	311.9	235.5	313.4	372.1	263.7	191.2
	1999	360.0	173.8	380.9	387.0	394.1	338.3	334.8	350.7	277.7	298.0	155.5	211.6
	2000	227.8	181.2	324.6	345.7	334.5	334.5	319.7	243.5	204.8	302.5	220.7	294.9

Table C- 18: Calculated TSS Balance

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Average
New River Flow - Outlet (acre-ft)													
1995	32834.2	33155.6	44578.3	48019.6	46054.0	41771.7	41749.9	39474.9	35345.3	37015.4	29930.5	32649.8	462579.3
1996	30989.6	33710.9	45131.7	46413.0	45992.5	39272.6	37814.7	36154.6	36059.4	35724.2	29871.0	27792.3	444926.5
1997	30743.7	35043.8	47898.6	47067.6	43902.0	39272.6	40335.7	42672.2	43437.8	39413.4	35999.9	36892.4	482679.7
1998	36216.1	34099.7	50973.0	52601.4	45992.5	37785.0	41995.9	43287.1	36059.4	40335.7	35107.3	34863.3	489316.4
1999	36462.0	34210.8	49005.4	48019.6	48390.5	41652.7	40520.2	41135.0	36059.4	40581.7	35999.9	36953.9	488991.1
2000	36523.5	33877.5	44639.8	45520.5	44947.3	39153.6	38245.1	37691.7	34690.8	39106.0	32251.1	32895.7	459542.6
												Average	471339.2
New River TSS - Outlet Average (mg/L)													
	160.0	276.7	273.3	285.0	205.0	240.0	250.0	215.0	380.0	220.0	225.0	165.0	241.3
New River Outlet Sediment Loading = $\Sigma(QC)$ (Tons / month)													
1995	7143.1	12472.5	16567.4	18608.1	12836.9	13631.2	14191.7	11539.8	18262.2	11072.5	9156.6	7324.9	152806.9
1996	6741.8	12681.4	16773.1	17985.5	12819.8	12815.6	12854.0	10569.2	18631.2	10686.2	9138.4	6235.2	147931.3
1997	6688.3	13182.8	17801.4	18239.2	12237.0	12815.6	13711.0	12474.5	22443.5	11789.8	11013.4	8276.7	160673.2
1998	7878.8	12827.6	18944.0	20383.6	12819.8	12330.2	14275.3	12654.2	18631.2	12065.7	10740.4	7821.5	161372.2
1999	7932.3	12869.4	18212.8	18608.1	13488.2	13592.3	13773.7	12025.1	18631.2	12139.2	11013.4	8290.5	160576.3
2000	7945.7	12744.1	16590.3	17639.7	12528.4	12776.8	13000.3	11018.5	17924.1	11697.8	9866.6	7380.1	151112.3
												Average	155745.4
New River TSS Due to Natural Sources (mg/L)													
	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	
Natural Source Sediment Loading = $\Sigma(QC)$ (Tons / month)													
1995	446.4	450.8	606.1	652.9	626.2	568.0	567.7	536.7	480.6	503.3	407.0	443.9	6289.6
1996	421.4	458.4	613.6	631.1	625.4	534.0	514.2	491.6	490.3	485.7	406.2	377.9	6049.6
1997	418.0	476.5	651.3	640.0	596.9	534.0	548.4	580.2	590.6	535.9	489.5	501.6	6562.9
1998	492.4	463.6	693.1	715.2	625.4	513.8	571.0	588.6	490.3	548.4	477.3	474.0	6653.2
1999	495.8	465.2	666.3	652.9	658.0	566.3	550.9	559.3	490.3	551.8	489.5	502.5	6648.7
2000	496.6	460.6	607.0	618.9	611.1	532.4	520.0	512.5	471.7	531.7	438.5	447.3	6248.3
												Average	6408.7

Table C- 18: Calculated TSS Balance

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Average
New River International Boundary Flows (acre-feet)													
1995	16847.5	12940.1	11682.6	11722.3	13035.3	11424.7	12174.5	9038.6	9044.6	10329.9	9818.1	14326.6	142384.9
1996	9961.0	11216.5	13035.3	11186.7	14941.4	9877.6	8669.7	8546.7	9699.1	7747.4	6426.4	6886.6	118194.6
1997	11129.2	11051.9	15248.9	13983.4	12727.9	11008.2	10391.4	12113.0	15233.0	12850.9	12317.3	19245.5	157300.5
1998	15617.8	17882.9	20844.2	19636.3	14203.6	13031.4	13096.8	15740.8	11900.8	12236.0	12376.8	13650.2	180217.4
1999	14634.0	13717.6	17708.4	17791.7	16540.1	14102.4	15556.3	16417.1	12912.3	13650.2	14399.9	16232.7	183662.7
2000	17032.0	14667.7	16417.1	14518.9	14388.0	12971.8	12174.5	12543.4	11067.7	11928.5	11662.8	13527.2	162899.8
												Average	157443.3
New River TSS - International Boundary Average (mg/L)													
	106.5	48.0	34.6	33.6	41.2	37.2	41.8	36.5	50.1	61.0	54.3	85.4	
New River International Boundary Sediment Loading = $\Sigma(QC)$ (Tons / month)													
1995	2439.6	844.5	549.6	535.5	730.2	577.9	691.9	448.6	616.5	856.8	724.9	1663.6	10679.7
1996	1442.4	732.0	613.2	511.1	837.0	499.6	492.7	424.2	661.1	642.6	474.5	799.7	8130.1
1997	1611.6	721.3	717.4	638.8	713.0	556.8	590.6	601.2	1038.4	1065.9	909.4	2234.7	11399.0
1998	2261.6	1167.1	980.6	897.1	795.7	659.1	744.4	781.2	811.2	1014.9	913.8	1585.0	12611.6
1999	2119.1	895.3	833.1	812.8	926.6	713.3	884.1	814.8	880.2	1132.2	1063.2	1884.9	12959.4
2000	2466.3	957.3	772.3	663.3	806.0	656.1	691.9	622.5	754.4	989.4	861.1	1570.7	11811.5
												Average	11265.2
Total NPDES Flow (acre-ft)													
1995	603.0	510.1	576.0	580.2	564.3	541.7	467.2	605.9	651.7	662.8	608.4	654.5	7025.8
1996	569.1	586.5	589.8	429.7	642.4	592.8	676.4	614.8	661.6	659.4	657.6	653.8	7333.8
1997	705.7	637.7	671.1	475.9	673.6	586.8	626.7	413.3	417.5	476.9	403.7	524.8	6613.7
1998	612.8	552.9	609.3	605.5	609.4	598.7	657.1	662.8	664.1	653.9	581.8	641.6	7449.8
1999	651.9	578.8	618.5	644.8	647.3	633.1	648.2	589.2	604.5	601.6	569.8	609.1	7396.7
2000	599.4	553.7	633.8	642.3	649.9	619.3	647.3	664.2	646.5	678.5	641.3	644.1	7620.1
												Average	7240.0
Monthly Loading (Tons / month)													
1995	25.7	27.3	26.6	27.1	33.4	30.9	17.3	22.9	26.3	35.1	27.7	26.4	326.7
1996	26.7	29.4	33.7	23.6	51.6	43.2	43.0	29.1	35.4	36.7	37.8	32.4	422.5
1997	31.1	28.5	37.8	28.2	34.0	32.2	24.8	17.7	16.1	25.8	27.0	30.2	333.5

Table C- 18: Calculated TSS Balance

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Average
1998	24.3	25.5	36.2	44.3	32.9	30.5	29.8	26.1	31.2	34.1	29.6	38.8	383.4
1999	27.0	26.9	24.3	30.0	32.2	25.5	26.5	24.7	28.4	24.3	27.1	27.6	324.5
2000	25.0	24.0	30.7	29.6	27.4	37.9	29.6	29.1	27.7	30.3	29.3	28.1	348.6
												Average	356.5
Total Drain Flows (acre-feet)													
1995	15383.7	19705.3	32319.8	35717.2	32454.4	29805.3	29108.2	29830.3	25649.0	26022.8	19503.9	17668.8	313168.6
1996	20459.6	21907.9	31506.6	34796.7	30408.8	28802.1	28468.7	26993.0	25698.6	27317.4	22786.9	20251.9	319398.1
1997	18908.8	23354.3	31978.7	32608.3	30500.5	27677.6	29317.7	30145.9	27787.3	26085.7	23278.8	17122.1	318765.5
1998	19985.5	15663.9	29519.6	32359.6	31179.6	24154.9	28242.0	26883.5	23494.5	27445.9	22148.7	20571.6	301649.1
1999	21176.1	19914.3	30678.6	29583.2	31203.2	26917.3	24315.7	24128.8	22542.5	26329.9	21030.1	20112.1	297931.7
2000	18892.1	18656.2	27588.9	30359.2	29909.3	25562.4	25423.4	24484.1	22976.5	26499.0	19947.1	18724.4	289022.6
												Average	306655.9
Total Drain Sediment Loading = Σ(QC) (Tons / year)													
1995	4231.3	11149.8	15385.1	17392.6	11447.1	12454.4	12914.8	10531.6	17138.9	9677.3	7997.0	5191.0	135510.9
1996	4851.3	11461.5	15512.5	16819.8	11305.8	11738.8	11804.2	9624.4	17444.4	9521.1	8220.0	5025.2	133329.1
1997	4627.6	11956.5	16394.9	16932.2	10893.1	11692.7	12547.2	11275.4	20798.4	10162.2	9587.5	5510.2	142377.8
1998	5100.6	11171.3	17234.1	18727.0	11365.8	11126.8	12930.2	11258.3	17298.4	10468.2	9319.6	5723.6	141724.0
1999	5290.4	11482.1	16689.1	17112.4	11871.5	12287.2	12312.1	10626.3	17232.3	10431.0	9433.7	5875.6	140643.6
2000	4957.7	11302.2	15180.3	16327.9	11083.9	11550.4	11758.8	9854.4	16670.3	10146.5	8537.7	5333.9	132703.9
												Average	137714.9
Monthly Drain Concentration (mg/L)													
1995	202.3	416.1	350.1	358.1	259.4	307.3	326.3	259.7	491.4	273.5	301.6	216.1	
1996	174.4	384.8	362.1	355.5	273.4	299.8	305.0	262.2	499.2	256.3	265.3	182.5	
1997	180.0	376.5	377.1	381.9	262.7	310.7	314.8	275.1	550.5	286.5	302.9	236.7	
1998	187.7	524.5	429.4	425.6	268.1	338.8	336.7	308.0	541.5	280.5	309.5	204.6	
1999	183.7	424.0	400.1	425.4	279.8	335.7	372.4	323.9	562.2	291.4	329.9	214.9	
2000	193.0	445.6	404.7	395.5	272.6	332.3	340.2	296.0	533.6	281.6	314.8	209.5	

Table C- 19: Major Drain Flows and Loading

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Average
Fig Drain Flows (acre-ft)													
1995	641.0	708.0	938.0	971.0	1060.0	1159.0	1189.0	1180.0	1032.0	804.0	689.0	684.0	11055.0
1996	701.6	690.1	879.5	1001.9	950.3	981.0	945.3	871.2	777.7	774.4	627.8	619.8	9820.6
1997	622.0	626.0	812.4	842.8	972.3	954.5	1002.3	969.9	866.6	887.4	870.2	692.4	10118.8
1998	689.9	599.4	798.2	929.3	974.3	1006.8	976.9	1094.5	961.0	1007.4	920.7	675.2	10633.6
1999	653.0	587.3	874.9	947.5	1037.6	1074.3	1036.6	1050.1	936.0	1114.5	940.0	820.0	11071.8
2000	707.5	696.6	934.4	896.1	1013.6	949.1	974.9	1012.2	819.2	857.7	750.6	709.5	10321.4
												Average	10503.5
Fig Drain ΣQiCi (Tons / month)													
1995	176.3	400.6	446.5	472.8	373.9	484.3	527.5	416.6	689.6	299.0	282.5	201.0	4770.6
1996	166.4	361.0	433.0	484.3	353.3	399.8	392.0	310.6	527.9	269.9	226.5	153.8	4078.5
1997	152.2	320.5	416.5	437.6	347.3	403.2	429.0	362.8	648.6	345.7	358.4	222.8	4444.6
1998	176.1	427.5	466.0	537.8	355.2	463.8	447.3	458.4	707.6	384.2	387.4	187.9	4999.0
1999	163.1	338.6	475.9	548.1	394.8	490.4	524.9	462.5	715.5	441.5	421.7	239.6	5216.5
2000	185.7	422.0	514.1	481.9	375.6	428.9	450.9	407.4	594.4	328.4	321.3	202.1	4712.7
												Average	4703.7
Greeson Drain Flows (acre-ft)													
1995	684.0	1415.0	2529.0	2607.0	2543.0	2436.0	1823.0	2034.0	1530.0	1979.0	1711.0	899.0	22190.0
1996	1035.6	1293.0	1999.6	2369.9	2249.5	2194.5	1995.2	1995.8	1899.6	1785.5	1285.9	1172.8	21276.9
1997	1232.5	1531.7	2348.7	2853.1	2845.9	2474.0	2569.6	2784.2	2252.5	2185.8	1633.4	1338.9	26050.3
1998	1371.8	1370.2	2788.6	2850.3	2928.2	2441.5	2689.6	2522.8	2243.9	1969.2	1438.2	1190.1	25804.4
1999	1256.7	1508.7	2463.1	2504.0	3036.5	2635.5	2257.6	2453.8	2220.3	2217.4	1506.7	1301.6	25361.9
2000	1342.0	1625.7	2367.5	2854.5	3033.8	2501.2	1945.8	2298.9	2126.7	1884.9	1062.4	915.2	23958.6
												Average	24107.0
Greeson Drain ΣQiCi (Tons / month)													
1995	188.1	800.6	1203.9	1269.5	896.9	1017.9	808.8	718.1	1022.4	735.9	701.5	264.1	9627.9
1996	245.6	676.5	984.5	1145.5	836.4	894.4	827.3	711.6	1289.5	622.3	463.9	291.0	8988.4
1997	301.6	784.2	1204.1	1481.5	1016.4	1045.2	1099.7	1041.4	1686.0	851.5	672.7	430.9	11615.2
1998	350.1	977.2	1628.0	1649.5	1067.4	1124.7	1231.4	1056.5	1652.1	751.1	605.2	331.1	12424.3
1999	314.0	869.9	1339.9	1448.4	1155.3	1203.1	1143.1	1080.7	1697.3	878.5	675.9	380.3	12186.1
2000	352.2	984.9	1302.7	1535.2	1124.3	1130.2	900.0	925.3	1543.0	721.7	454.7	260.7	11234.8

Table C- 19: Major Drain Flows and Loading

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec Average	Annual Average 11012.8
Rice Drain Flow (acre-ft)													
1995	123.0	149.0	440.0	511.0	521.0	844.0	552.0	580.0	448.0	576.0	116.0	98.0	4958.0
1996	111.1	134.9	268.6	571.2	488.1	638.9	688.9	638.9	534.6	512.1	214.6	154.3	4956.2
1997	133.7	213.0	405.6	498.1	517.1	559.9	649.0	636.5	569.5	453.0	201.5	93.8	4930.7
1998	97.0	113.7	412.2	565.3	614.3	468.7	420.1	602.4	332.2	400.5	163.4	103.5	4293.3
1999	95.4	169.6	391.5	344.1	511.7	644.4	423.9	543.9	476.0	274.3	131.1	37.3	4043.2
2000	46.0	58.3	198.5	281.7	448.1	521.5	449.3	485.2	487.7	314.8	72.6	40.9	3404.6
												Average	4431.0
Rice Drain ΣQiCi (Tons / month)													
1995	33.8	84.3	209.5	248.8	183.8	352.7	244.9	204.8	299.4	214.2	47.6	28.8	2152.5
1996	26.3	70.6	132.2	276.1	181.5	260.4	285.6	227.8	362.9	178.5	77.4	38.3	2117.7
1997	32.7	109.0	207.9	258.6	184.7	236.5	277.8	238.1	426.3	176.5	83.0	30.2	2261.3
1998	24.8	81.1	240.7	327.1	223.9	215.9	192.3	252.3	244.6	152.8	68.8	28.8	2053.0
1999	23.8	97.8	213.0	199.0	194.7	294.2	214.6	239.5	363.9	108.7	58.8	10.9	2018.9
2000	12.1	35.3	109.2	151.5	166.1	235.6	207.8	195.3	353.8	120.5	31.1	11.7	1630.0
												Average	2038.9
Rice 3 Drain Flow (acre-ft)													
1995	754.2	1451.1	2226.0	2353.1	1847.0	2169.2	2120.1	2107.2	1551.0	1606.0	988.0	798.4	19971.3
1996	1033.4	1116.9	1647.8	1903.6	1976.9	2129.1	2075.0	1813.1	1680.2	1523.4	1412.6	1323.4	19635.3
1997	1148.7	1531.4	2057.4	2117.5	1984.1	1965.8	2101.5	2035.0	1949.7	1424.2	1444.6	1020.6	20780.4
1998	1389.7	977.1	1821.5	1875.7	1927.9	1772.8	1895.8	1886.4	1256.1	1502.0	1014.3	1067.8	18387.1
1999	1066.2	1048.7	1391.9	1429.2	1656.7	1680.1	1681.3	1415.3	1152.2	1691.2	1176.5	1148.1	16537.5
2000	1095.6	927.4	1305.7	1723.4	1918.2	1679.8	1714.3	1349.1	1160.5	1222.5	846.9	899.4	15842.7
												Average	18525.7
TSS	277.6	362.4	670.0	433.6	374.2	484.0	391.9	691.9	448.8	346.1	291.2	323.9	
Rice 3 Drain ΣQiCi (Tons / month)													
1995	207.4	821.1	1059.7	1145.8	651.5	906.4	940.6	743.9	1036.4	597.2	405.1	234.6	8749.8
1996	245.0	584.3	811.3	920.1	735.0	867.8	860.4	646.4	1140.5	531.0	509.6	328.4	8179.8
1997	281.1	784.0	1054.8	1099.5	708.6	830.5	899.4	761.1	1459.4	554.8	595.0	328.4	9356.6

Table C- 19: Major Drain Flows and Loading

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Average
1998	354.7	696.9	1063.4	1085.5	702.8	816.6	868.0	790.0	924.8	572.9	426.8	297.1	8599.4
1999	266.4	604.6	757.2	826.7	630.3	766.9	851.3	623.3	880.8	670.0	527.8	335.4	7740.7
2000	287.5	561.8	718.4	926.9	710.8	759.0	792.9	543.0	842.0	468.1	362.5	256.2	7229.1
												Average	8309.2
Total Major Drain Flow (acre-ft)													
1995	2202.2	3723.1	6133.0	6442.1	5971.0	6608.2	5684.1	5901.2	4561.0	4965.0	3504.0	2479.4	58174.3
1996	2881.7	3234.9	4795.5	5846.6	5664.8	5943.5	5704.4	5319.0	4892.1	4595.4	3540.9	3270.3	55689.0
1997	3136.9	3902.1	5624.1	6311.5	6319.4	5954.2	6322.4	6425.6	5638.3	4950.4	4149.7	3145.7	61880.2
1998	3548.4	3060.4	5820.5	6220.6	6444.7	5689.8	5982.4	6106.1	4793.2	4879.1	3536.6	3036.6	59118.4
1999	3071.3	3314.3	5121.4	5224.8	6242.5	6034.3	5399.4	5463.1	4784.5	5297.4	3754.3	3307.0	57014.4
2000	3191.1	3308.0	4806.1	5755.7	6413.7	5651.6	5084.3	5145.4	4594.1	4279.9	2732.5	2565.0	53527.3
												Average	57567.2
TSS	277.6	362.4	670.0	433.6	374.2	484.0	391.9	691.9	448.8	346.1	291.2	323.9	
Total Major Drain ΣQiCi (Tons / month)													
1995	605.7	2106.7	2919.5	3137.0	2106.0	2761.3	2521.9	2083.4	3047.7	1846.4	1436.7	728.4	25300.8
1996	683.3	1692.4	2361.1	2826.1	2106.2	2422.4	2365.3	1896.5	3320.8	1601.7	1277.3	811.5	23364.4
1997	767.7	1997.7	2883.4	3277.3	2256.9	2515.4	2705.8	2403.3	4220.2	1928.5	1709.1	1012.3	27677.8
1998	905.6	2182.7	3398.1	3600.0	2349.2	2621.0	2738.9	2557.1	3529.1	1861.0	1488.1	844.9	28075.7
1999	767.3	1910.9	2786.0	3022.3	2375.0	2754.5	2734.0	2406.0	3657.5	2098.6	1684.1	966.1	27162.3
2000	837.4	2004.0	2644.5	3095.5	2376.8	2553.7	2351.6	2070.9	3333.2	1638.8	1169.5	730.7	24806.6
												Average	26064.6

Table C- 20: Minor Drain Flows and Loading

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Average
Calculated Minor Drain Flows (acre-ft)													
1995	13181.5	15982.2	26186.7	29275.1	26483.4	23197.2	23424.1	23929.1	21087.9	21057.7	15999.9	15189.4	254994.4
1996	16718.3	17679.1	25053.1	26978.3	23586.9	21907.7	21803.9	20680.5	19919.7	21875.7	18267.8	16024.6	250495.7
1997	14879.3	18338.5	24928.5	24978.8	22844.8	20632.3	21891.8	22677.3	21223.5	20048.7	18227.4	13297.2	243968.1
1998	15716.7	12098.8	22482.8	24665.7	23391.2	17541.2	21412.1	19975.4	18011.1	21574.5	17741.0	16787.4	231397.8
1999	17415.2	15883.9	24244.2	23325.1	24636.5	20637.6	18662.6	18348.8	17546.8	20737.2	17059.8	16546.1	235043.7
2000	15436.6	15089.3	22446.5	24240.0	23091.4	19614.7	20133.2	19170.7	18200.2	21372.2	16492.0	15439.4	230726.2
												Average	241104.3
Calculated Minor Drain Loading = $\Sigma(QC)$ (Tons / month)													
1995	3625.5	9043.2	12465.6	14255.6	9341.0	9693.2	10392.9	8448.2	14091.2	7830.9	6560.3	4462.6	110210.2
1996	3964.2	9249.2	12335.1	13040.6	8769.5	8928.9	9040.7	7373.6	13521.6	7624.5	6589.8	3976.3	104414.0
1997	3641.5	9388.6	12780.4	12970.5	8158.9	8716.3	9369.1	8481.9	15885.4	7810.3	7507.1	4279.3	108989.5
1998	4011.1	8628.8	13125.9	14274.4	8526.7	8080.2	9803.2	8365.3	13261.2	8228.8	7465.0	4670.8	108441.3
1999	4350.9	9158.2	13188.7	13492.4	9373.2	9420.6	9449.7	8080.8	13413.3	8215.3	7652.7	4833.8	110629.7
2000	4050.9	9141.3	12350.7	13036.8	8557.3	8862.9	9312.0	7715.9	13204.8	8183.4	7058.9	4398.1	105873.2
												Average	107669.5
Gauged Minor Drain Flows (acre-ft)													
1995	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996	859.5	993.9	1658.0	1971.8	1157.0	950.9	960.4	993.5	886.8	846.2	978.3	957.0	13213.3
1997	892.6	1113.7	1426.1	1318.0	1336.3	1091.0	1103.4	1043.0	925.5	1086.6	901.7	679.2	12917.1
1998	720.4	504.6	1216.3	1473.3	1343.8	923.9	847.5	802.1	690.2	992.3	871.0	747.6	11133.0
1999	689.5	716.2	1313.1	1033.3	324.1	245.4	253.7	316.8	211.2	295.3	216.0	259.0	5873.6
2000	264.4	258.8	336.4	363.6	404.2	296.1	205.9	168.0	182.3	846.9	722.6	720.0	4769.2
												Average	7984.4
Gauged Minor Drain Contributions = $\Sigma(QC)$ (Tons / month)													
1995	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996	203.8	520.0	816.3	953.1	430.2	387.6	398.2	354.2	602.0	294.9	352.9	237.5	5550.7
1997	218.4	570.2	731.1	684.4	477.3	460.9	472.2	390.1	692.7	423.3	371.4	218.6	5710.6
1998	183.9	359.9	710.1	852.6	489.9	425.6	388.0	335.9	508.2	378.5	366.5	208.0	5207.0
1999	172.3	412.9	714.3	597.7	123.3	112.0	128.5	139.5	161.4	117.0	96.9	75.7	2851.5

Table C- 20: Minor Drain Flows and Loading

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Average
2000	69.4	156.8	185.1	195.6	149.8	133.8	95.2	67.6	132.3	324.3	309.3	205.1	2024.2
												Average	3557.3
Total Minor Drain Flows													
1995	13181.5	15982.2	26186.7	29275.1	26483.4	23197.2	23424.1	23929.1	21087.9	21057.7	15999.9	15189.4	254994.4
1996	17577.8	18673.0	26711.1	28950.1	24743.9	22858.6	22764.3	21674.0	20806.5	22721.9	19246.1	16981.6	263709.0
1997	15771.9	19452.2	26354.6	26296.8	24181.1	21723.3	22995.2	23720.3	22149.0	21135.3	19129.1	13976.4	256885.2
1998	16437.1	12603.4	23699.1	26139.0	24735.0	18465.1	22259.6	20777.5	18701.3	22566.8	18612.0	17535.0	242530.8
1999	18104.7	16600.1	25557.3	24358.4	24960.6	20883.0	18916.3	18665.6	17758.0	21032.5	17275.8	16805.1	240917.3
2000	15701.0	15348.1	22782.9	24603.6	23495.6	19910.8	20339.1	19338.7	18382.5	22219.1	17214.6	16159.4	235495.4
												Average	249088.7
Total Minor Drain Contributions = Σ(QC) (Tons / month)													
1995	3625.5	9043.2	12465.6	14255.6	9341.0	9693.2	10392.9	8448.2	14091.2	7830.9	6560.3	4462.6	110210.2
1996	4168.0	9769.1	13151.4	13993.7	9199.7	9316.5	9438.9	7727.9	14123.6	7919.5	6942.7	4213.7	109964.7
1997	3859.9	9958.8	13511.6	13654.9	8636.2	9177.2	9841.3	8872.1	16578.2	8233.7	7878.4	4497.9	114700.1
1998	4195.0	8988.7	13836.0	15127.1	9016.5	8505.8	10191.2	8701.2	13769.4	8607.3	7831.5	4878.8	113648.3
1999	4523.1	9571.2	13903.1	14090.1	9496.5	9532.7	9578.1	8220.3	13574.8	8332.3	7749.6	4909.5	113481.3
2000	4120.3	9298.1	12535.8	13232.3	8707.1	8996.7	9407.3	7783.5	13337.1	8507.7	7368.2	4603.2	107897.3
												Average	111650.3

Table C- 21: Combined Contribution of In-Stream Erosion and Wind Deposition

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Average
(acre-ft)													
1995	32834.2	33155.6	44578.3	48019.6	46054.0	41771.7	41749.9	39474.9	35345.3	37015.4	29930.5	32649.8	462579.3
1996	30989.6	33710.9	45131.7	46413.0	45992.5	39272.6	37814.7	36154.6	36059.4	35724.2	29871.0	27792.3	444926.5
1997	30743.7	35043.8	47898.6	47067.6	43902.0	39272.6	40335.7	42672.2	43437.8	39413.4	35999.9	36892.4	482679.7
1998	36216.1	34099.7	50973.0	52601.4	45992.5	37785.0	41995.9	43287.1	36059.4	40335.7	35107.3	34863.3	489316.4
1999	36462.0	34210.8	49005.4	48019.6	48390.5	41652.7	40520.2	41135.0	36059.4	40581.7	35999.9	36953.9	488991.1
2000	36523.5	33877.5	44639.8	45520.5	44947.3	39153.6	38245.1	37691.7	34690.8	39106.0	32251.1	32895.7	459542.6
												Average	471339.2
TSS	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	
Natural Source Sediment Loading = $\Sigma(QC)$ (Tons / month)													
1995	446.4	450.8	606.1	652.9	626.2	568.0	567.7	536.7	480.6	503.3	407.0	443.9	6289.6
1996	421.4	458.4	613.6	631.1	625.4	534.0	514.2	491.6	490.3	485.7	406.2	377.9	6049.6
1997	418.0	476.5	651.3	640.0	596.9	534.0	548.4	580.2	590.6	535.9	489.5	501.6	6562.9
1998	492.4	463.6	693.1	715.2	625.4	513.8	571.0	588.6	490.3	548.4	477.3	474.0	6653.2
1999	495.8	465.2	666.3	652.9	658.0	566.3	550.9	559.3	490.3	551.8	489.5	502.5	6648.7
2000	496.6	460.6	607.0	618.9	611.1	532.4	520.0	512.5	471.7	531.7	438.5	447.3	6248.3
												Average	6408.7

Table C- 22: Dredging Contribution to Suspended Sediment

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Average
<u>Dredging Concentration</u>	5000.0		mg/L										
<u>Dredging Time</u>	0.0073												
Dredging Effects													
Total Minor Drain ΣQiCi (Tons / month)													
1995	651.7	790.2	1294.8	1447.5	1309.4	1146.9	1158.2	1183.1	1042.7	1041.2	791.1	751.0	12607.7
1996	869.1	923.3	1320.7	1431.4	1223.4	1130.2	1125.5	1071.6	1028.7	1123.4	951.6	839.6	13038.6
1997	779.8	961.8	1303.1	1300.2	1195.6	1074.1	1137.0	1172.8	1095.1	1045.0	945.8	691.0	12701.2
1998	812.7	623.2	1171.8	1292.4	1223.0	913.0	1100.6	1027.3	924.7	1115.8	920.2	867.0	11991.5
1999	895.2	820.8	1263.6	1204.4	1234.1	1032.5	935.3	922.9	878.0	1039.9	854.2	830.9	11911.7
2000	776.3	758.9	1126.5	1216.5	1161.7	984.5	1005.6	956.2	908.9	1098.6	851.1	799.0	11643.6
												Average	12315.7
Dredging Effects													
Total Major Drain ΣQiCi (Tons / month)													
1995	108.9	184.1	303.2	318.5	295.2	326.7	281.0	291.8	225.5	245.5	173.2	122.6	2876.3
1996	142.5	159.9	237.1	289.1	280.1	293.9	282.0	263.0	241.9	227.2	175.1	161.7	2753.4
1997	155.1	192.9	278.1	312.1	312.5	294.4	312.6	317.7	278.8	244.8	205.2	155.5	3059.6
1998	175.4	151.3	287.8	307.6	318.6	281.3	295.8	301.9	237.0	241.2	174.9	150.1	2923.0
1999	151.9	163.9	253.2	258.3	308.7	298.4	267.0	270.1	236.6	261.9	185.6	163.5	2819.0
2000	157.8	163.6	237.6	284.6	317.1	279.4	251.4	254.4	227.1	211.6	135.1	126.8	2646.6
												Average	2846.3