

APPENDIX C

**Select Site Investigation Reports
(Provided on CD)**

Appendix E

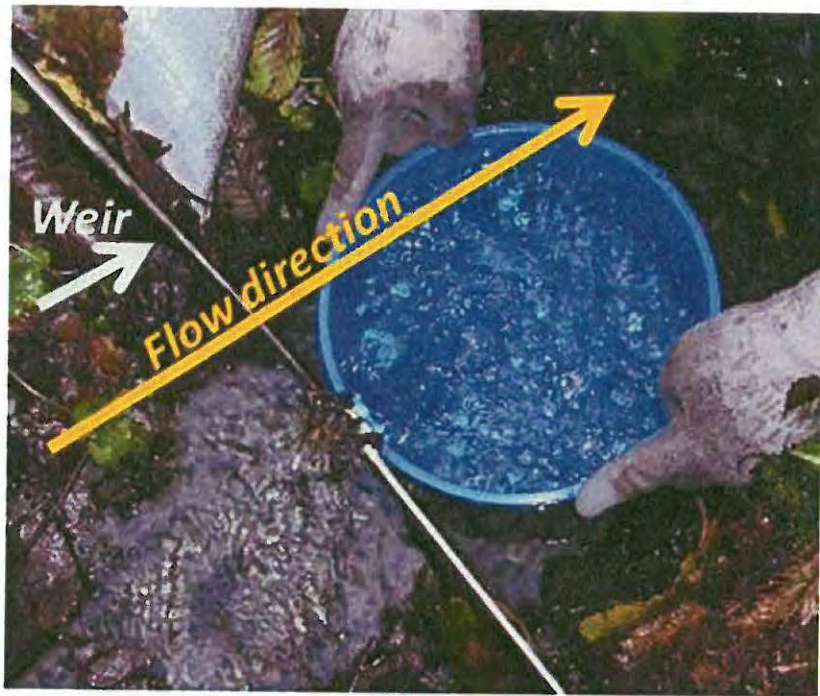
Weir Discharge Activitiy

- E.1 Pictures of Taking Discharge Measurements
- E.2 Discharge Data Table

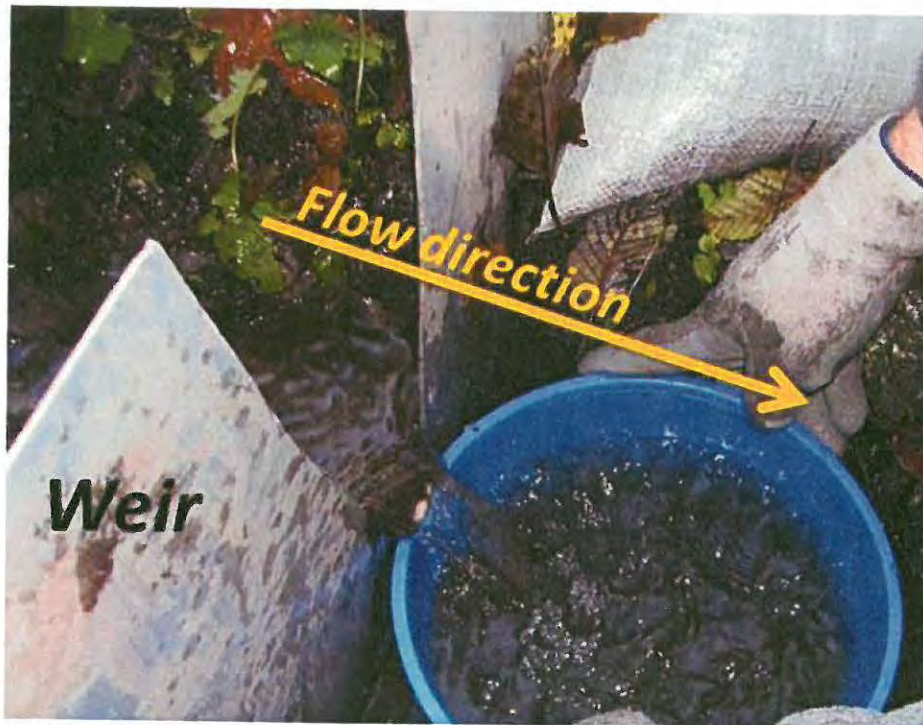
Appendix E.1

Pictures of Taking Discharge Measurements

Taking Discharge Measurements



The above photo shows a clean catch without a lot of leakage (L) sediment (Sed) or splashing (S).



The above photo shows a catch with a lot of sediment (Sed).

Taking Discharge Measurements (continued)



The above photo shows a catch with a lot of sediment (Sed) and splashing (S).

Appendix E.2

Discharge Data Table

Appendix E.2 Weir Discharge Activity

FLOW RATE MEASUREMENTS										
Weir	Date	Stream Status	Test	Time (sec)	Vol (L)	Rate (gpm)	Ave (gpm)	Daily Weir Total (gpd)	Area Totals * (gpm)	Area Daily Total * (gpd)
SW-W2	21-Nov-06		1	8.0	5	9.9	9.9	14,267		
SW-W2	21-Nov-06		2	8.0	5	9.9				
SW-W2	21-Nov-06		3	8.0	5	9.9			33.9	48,826
SW-W3	21-Nov-06		1	9.0	5	8.8	12.9	18,629		
SW-W3	21-Nov-06		2	20.0	19	15.0				
SW-W3	21-Nov-06		3	20.0	19	15.0				
SW-W4	21-Nov-06	L	1	21.0	2	1.5	1.5	2,192		
SW-W4	21-Nov-06	L	2	41.0	4	1.5				
SW-W4	21-Nov-06	L	3	21.0	2	1.5				
SW-W5	21-Nov-06		1	9.0	5	8.8	9.5	13,738		
SW-W5	21-Nov-06		2	8.0	5	9.9				
SW-W5	21-Nov-06		3	8.0	5	9.9				
SW-W6	21-Nov-06		1	27.0	5	2.9	2.9	4,130		
SW-W6	21-Nov-06		2	27.0	5	2.9			22.7	32,664
SW-W6	21-Nov-06		3	29.0	5	2.7				
SW-W7	21-Nov-06	S	1	4.0	5	19.8	19.8	28,534		
SW-W7	21-Nov-06	S	2	4.0	5	19.8				
SW-W7	21-Nov-06	S	3	4.0	5	19.8				
SW-W2	19-Jan-07		1	9.0	5	8.8	8.8	12,682		
SW-W2	19-Jan-07		2	9.0	5	8.8				
SW-W3	19-Jan-07		1	9.0	5	8.8	10.1	14,493	34.7	49,938
SW-W3	19-Jan-07		2	7.0	5	11.3				
SW-W4	19-Jan-07	L	1	23.0	2	1.4	1.3	1,838		
SW-W4	19-Jan-07	L	2	27.0	2	1.2				
SW-W5	19-Jan-07		1	6.0	5	13.2	14.5	20,925		
SW-W5	19-Jan-07		2	5.0	5	15.9				
SW-W6	19-Jan-07		1	21.0	3	2.3	2.6	3,771		
SW-W6	19-Jan-07		2	16.0	3	3.0				
SW-W7	19-Jan-07	S	1	5.0	5	15.9	17.2	24,729	19.8	28,500
SW-W7	19-Jan-07	S	2	4.0	5	19.8				
SW-W7	19-Jan-07	S	3	5.0	5	15.9				
SW-W2	28-Feb-07		1	9.0	5	8.8	9.2	13,210		
SW-W2	28-Feb-07		2	8.0	5	9.9			26.9	38,730
SW-W2	28-Feb-07		3	9.0	5	8.8				
SW-W3	28-Feb-07		1	26.0	11	6.9	6.9	9,923		
SW-W3	28-Feb-07		2	28.0	12	6.9				
SW-W4	28-Feb-07	L	1	35.0	2	0.9	0.9	1,331		
SW-W4	28-Feb-07	L	2	33.0	2	1.0				
SW-W4	28-Feb-07	L	3	35.0	2	0.9				
SW-W5	28-Feb-07		1	8.0	5	9.9	9.9	14,267		
SW-W5	28-Feb-07		2	8.0	5	9.9				
SW-W5	28-Feb-07		3	8.0	5	9.9				
SW-W6	28-Feb-07		1	41.0	5	1.9	2.0	2,907	17.9	25,734
SW-W6	28-Feb-07		2	37.0	5	2.1				
SW-W6	28-Feb-07		3	40.0	5	2.0				
SW-W7	28-Feb-07		1	5.0	5	15.9	15.9	22,827		
SW-W7	28-Feb-07		2	5.0	5	15.9				
SW-W7	28-Feb-07		3	5.0	5	15.9				

Appendix E.2 Weir Discharge Activity

FLOW RATE MEASUREMENTS										
Weir	Date	Stream Status	Test	Time (sec)	Vol (L)	Rate (gpm)	Ave (gpm)	Daily Weir Total (gpd)	Area Totals * (gpm)	Area Daily Total * (gpd)
SW-W2	30-Mar-07	S	1	8.0	5	9.9	9.9	14,267		
SW-W2	30-Mar-07	S	2	8.0	5	9.9			27.1	38,990
SW-W2	30-Mar-07	S	3	8.0	5	9.9				
SW-W3	30-Mar-07		1	39.0	17	6.9	6.9	9,885		
SW-W3	30-Mar-07		2	40.0	17	6.9				
SW-W3	30-Mar-07		3	39.0	17	6.8				
SW-W4	30-Mar-07	L	1	61.0	3	0.8	0.8	1,099		
SW-W4	30-Mar-07	L	2	41.0	2	0.8				
SW-W4	30-Mar-07	L	3	43.0	2	0.7				
SW-W5	30-Mar-07		1	8.0	5	9.9	9.5	13,738		
SW-W5	30-Mar-07		2	8.0	5	9.9				
SW-W5	30-Mar-07		3	9.0	5	8.8				
SW-W6	30-Mar-07	L	1	23.0	3	2.1	2.0	2,895	17.9	25,722
SW-W6	30-Mar-07	L	2	24.0	3	2.0				
SW-W6	30-Mar-07	L	3	40.0	5	2.0				
SW-W7	30-Mar-07		1	5.0	5	15.9	15.9	22,827		
SW-W7	30-Mar-07		2	5.0	5	15.9				
SW-W7	30-Mar-07		3	5.0	5	15.9				
SW-W2	26-Apr-07		1	9.0	5	8.8	9.2	13,210		
SW-W2	26-Apr-07		2	8.0	5	9.9			23.0	33,051
SW-W2	26-Apr-07		3	9.0	5	8.8				
SW-W3	26-Apr-07		1	39.0	16	6.3	6.3	9,077		
SW-W3	26-Apr-07		2	40.0	16	6.3				
SW-W3	26-Apr-07		3	40.0	16	6.3				
SW-W4	26-Apr-07	L	1	117.0	2	0.3	0.3	389		
SW-W4	26-Apr-07	L	2	118.0	2	0.3				
SW-W5	26-Apr-07		1	11.0	5	7.2	7.2	10,376		
SW-W5	26-Apr-07		2	11.0	5	7.2				
SW-W5	26-Apr-07		3	11.0	5	7.2				
SW-W6	26-Apr-07		1	39.0	5	2.0	2.0	2,855		
SW-W6	26-Apr-07		2	41.0	5	1.9				
SW-W6	26-Apr-07		3	40.0	5	2.0			15.8	22,689
SW-W7	26-Apr-07		1	11.0	9	13.6	13.8	19,835		
SW-W7	26-Apr-07		2	11.0	10	14.2				
SW-W7	26-Apr-07		3	12.0	10	13.5				
SW-W2	1-Jun-07		1	10.0	5	7.9	7.9	11,413		
SW-W2	1-Jun-07		2	10.0	5	7.9			21.5	30,934
SW-W2	1-Jun-07		3	10.0	5	7.9				
SW-W3	1-Jun-07		1	45.0	16	5.7	5.8	8,388		
SW-W3	1-Jun-07		2	46.0	17	5.9				
SW-W3	1-Jun-07		3	46.0	17	5.9				
SW-W4	1-Jun-07	L	1	60.0	2	0.5	0.5	757		
SW-W4	1-Jun-07	L	2	61.0	2	0.5				
SW-W4	1-Jun-07	L	3	60.0	2	0.5				
SW-W5	1-Jun-07		1	11.0	5	7.2	7.2	10,376		
SW-W5	1-Jun-07		2	11.0	5	7.2				
SW-W5	1-Jun-07		3	11.0	5	7.2				
SW-W6	1-Jun-07		1	17.0	2	1.9	1.9	2,686		
SW-W6	1-Jun-07		2	34.0	4	1.9				
SW-W6	1-Jun-07		3	17.0	2	1.9			15.2	21,819
SW-W7	1-Jun-07		1	14.0	12	13.3	13.3	19,134		
SW-W7	1-Jun-07		2	14.0	12	13.3				
SW-W7	1-Jun-07		3	14.0	12	13.3				

Appendix E.2 Weir Discharge Activity

FLOW RATE MEASUREMENTS										
Weir	Date	Stream Status	Test	Time (sec)	Vol (L)	Rate (gpm)	Ave (gpm)	Daily Weir Total (gpd)	Area Totals * (gpm)	Area Daily Total * (gpd)
SW-W2	16-Jul-07		1	10.0	5	7.9	7.9	11,413		
SW-W2	16-Jul-07		2	10.0	5	7.9			21.9	31,570
SW-W2	16-Jul-07		3	10.0	5	7.9				
SW-W3	16-Jul-07		1	11.0	5	7.2	6.8	9,799		
SW-W3	16-Jul-07		2	12.0	5	6.6				
SW-W3	16-Jul-07		3	12.0	5	6.6				
SW-W4	16-Jul-07	L	1	54.0	2	0.6	0.6	846		
SW-W4	16-Jul-07	L	2	53.0	2	0.6				
SW-W4	16-Jul-07	L	3	55.0	2	0.6				
SW-W5	16-Jul-07		1	12.0	5	6.6	6.6	9,511		
SW-W5	16-Jul-07		2	12.0	5	6.6				
SW-W5	16-Jul-07		3	12.0	5	6.6				
SW-W6	16-Jul-07		1	26.0	2	1.2	1.3	1,803		
SW-W6	16-Jul-07		2	25.0	2	1.3				
SW-W6	16-Jul-07		3	25.0	2	1.3			17.1	24,630
SW-W7	16-Jul-07		1	5.0	5	15.9	15.9	22,827		
SW-W7	16-Jul-07		2	5.0	5	15.9				
SW-W7	16-Jul-07		3	5.0	5	15.9				
SW-W2	25-Jul-07		1	10.3	5	7.7	7.7	11,119		
SW-W2	25-Jul-07		2	10.1	5	7.8			24.2	34,894
SW-W2	25-Jul-07		3	10.4	5	7.6				
SW-W3	25-Jul-07		1	10.8	5	7.3	7.2	10,316		
SW-W3	25-Jul-07		2	11.2	5	7.1				
SW-W3	25-Jul-07		3	11.2	5	7.1				
SW-W4	25-Jul-07	L	1	45.6	2	0.7	0.7	1,007		
SW-W4	25-Jul-07	L	2	43.5	2	0.7				
SW-W4	25-Jul-07	L	3	47.0	2	0.7				
SW-W5	25-Jul-07	S	1	9.2	5	8.6	8.6	12,451		
SW-W5	25-Jul-07	S	2	9.2	5	8.6				
SW-W5	25-Jul-07	S	3	9.1	5	8.7				
SW-W6	25-Jul-07	Sed	1	45.6	5	1.7	1.7	2,487		
SW-W6	25-Jul-07	Sed	2	46.6	5	1.7				
SW-W6	25-Jul-07	Sed	3	45.5	5	1.7			18.1	26,110
SW-W7	25-Jul-07	S	1	4.7	5	16.9	16.4	23,623		
SW-W7	25-Jul-07	S	2	4.9	5	16.2				
SW-W7	25-Jul-07	S	3	4.9	5	16.2				
SW-W2	30-Aug-07		1	10.3	5	7.7	7.6	11,010		
SW-W2	30-Aug-07		2	10.4	5	7.6			24.2	34,881
SW-W2	30-Aug-07		3	10.4	5	7.6				
SW-W3	30-Aug-07		1	11.5	5	6.9	6.8	9,757		
SW-W3	30-Aug-07		2	11.8	5	6.7				
SW-W3	30-Aug-07		3	11.8	5	6.7				
SW-W4	30-Aug-07	L	1	55.8	2	0.6	0.6	843		
SW-W4	30-Aug-07	L	2	53.2	2	0.6				
SW-W4	30-Aug-07	L	3	53.6	2	0.6				
SW-W5	30-Aug-07		1	8.6	5	9.2	9.2	13,271		
SW-W5	30-Aug-07		2	8.6	5	9.2				
SW-W5	30-Aug-07		3	8.6	5	9.2				
SW-W6	30-Aug-07	LSed	1	20.5	2	1.5	1.5	2,209		
SW-W6	30-Aug-07	LSed	2	20.8	2	1.5				
SW-W6	30-Aug-07	LSed	3	20.7	2	1.5			16.9	24,302
SW-W7	30-Aug-07	S	1	5.2	5	15.2	15.3	22,092		
SW-W7	30-Aug-07	S	2	5.1	5	15.5				
SW-W7	30-Aug-07	S	3	5.2	5	15.2				

Appendix E.2 Weir Discharge Activity

FLOW RATE MEASUREMENTS										
Weir	Date	Stream Status	Test	Time (sec)	Vol (L)	Rate (gpm)	Ave (gpm)	Daily Weir Total (gpd)	Area Totals * (gpm)	Area Daily Total * (gpd)
SW-W2	11-Oct-07	S	1	7.5	4	8.5	8.5	12,286		
SW-W2	11-Oct-07	S	2	7.5	4	8.5			24.7	35,612
SW-W2	11-Oct-07	S	3	7.3	4	8.7				
SW-W3	11-Oct-07		1	9.8	4	6.5	6.5	9,381		
SW-W3	11-Oct-07		2	9.7	4	6.5				
SW-W3	11-Oct-07		3	9.7	4	6.5				
SW-W4	11-Oct-07	L	1	80.0	2	0.4	0.4	580		
SW-W4	11-Oct-07	L	2	77.0	2	0.4				
SW-W4	11-Oct-07	L	3	79.0	2	0.4				
SW-W5	11-Oct-07		1	6.9	4	9.2	9.3	13,365		
SW-W5	11-Oct-07		2	6.9	4	9.2				
SW-W5	11-Oct-07		3	6.7	4	9.5				
SW-W6	11-Oct-07	L	1	17.0	2	1.9	1.9	2,693		
SW-W6	11-Oct-07	L	2	33.8	4	1.9			17.8	25,675
SW-W6	11-Oct-07	L	3	33.9	4	1.9				
SW-W7	11-Oct-07	S	1	4.0	4	15.9	16.0	22,982		
SW-W7	11-Oct-07	S	2	3.9	4	16.1				
SW-W7	11-Oct-07	S	3	4.0	4	15.9				
SW-W2	29-Oct-07		1	6.2	3	7.7	7.6	10,992		
SW-W2	29-Oct-07		2	6.2	3	7.6			23.6	34,051
SW-W2	29-Oct-07		3	6.3	3	7.6				
SW-W3	29-Oct-07	S	1	7.5	3	6.3	6.3	9,094		
SW-W3	29-Oct-07	S	2	7.6	3	6.3				
SW-W3	29-Oct-07	S	3	7.5	3	6.3				
SW-W4	29-Oct-07	L	1	54.6	2	0.6	0.6	828		
SW-W4	29-Oct-07	L	2	55.7	2	0.6				
SW-W4	29-Oct-07	L	3	55.2	2	0.6				
SW-W5	29-Oct-07		1	5.3	3	9.0	9.1	13,137		
SW-W5	29-Oct-07		2	5.2	3	9.2				
SW-W5	29-Oct-07		3	5.2	3	9.2				
SW-W6	29-Oct-07	L	1	27.4	3	1.7	1.7	2,495		
SW-W6	29-Oct-07	L	2	27.5	3	1.7			17.4	25,005
SW-W6	29-Oct-07	L	3	27.4	3	1.7				
SW-W7	29-Oct-07		1	4.1	4	15.5	15.6	22,510		
SW-W7	29-Oct-07		2	4.0	4	15.9				
SW-W7	29-Oct-07		3	4.1	4	15.5				
SW-W2	3-Dec-07	SSed	1	2.3	9	66.4	63.4	91,258		
SW-W2	3-Dec-07	SSed	2	3.1	12	61.7			225.7	324,994
SW-W2	3-Dec-07	SSed	3	2.7	11	62.0				
SW-W3	3-Dec-07	SSed	1	3.2	16	80.4	85.4	123,037		
SW-W3	3-Dec-07	SSed	2	3.1	17	88.5				
SW-W3	3-Dec-07	SSed	3	2.5	14	87.4				
SW-W4	3-Dec-07	LS	1	2.8	4	22.7	22.4	32,299		
SW-W4	3-Dec-07	LS	2	2.7	4	23.1				
SW-W4	3-Dec-07	LS	3	3.0	4	21.4				
SW-W5	3-Dec-07	S	1	1.2	4	53.3	54.4	78,399		
SW-W5	3-Dec-07	S	2	1.2	4	52.4				
SW-W5	3-Dec-07	S	3	1.1	4	57.6				
SW-W6	3-Dec-07	SSed	1	2.1	3	22.6	19.3	27,722		
SW-W6	3-Dec-07	SSed	2	2.8	3	17.2			92.5	133,180
SW-W6	3-Dec-07	SSed	3	2.7	3	17.9				
SW-W7	3-Dec-07	SSed	1	2.5	11	71.2	73.2	105,458		
SW-W7	3-Dec-07	SSed	2	3.0	13	70.0				
SW-W7	3-Dec-07	SSed	3	1.9	9	78.5				

Appendix E.2 Weir Discharge Activity

FLOW RATE MEASUREMENTS										
Weir	Date	Stream Status	Test	Time (sec)	Vol (L)	Rate (gpm)	Ave (gpm)	Daily Weir Total (gpd)	Area Totals * (gpm)	Area Daily Total * (gpd)
SW-W2	17-Dec-07		1	6.5	4	9.8	9.9	14,263		
SW-W2	17-Dec-07		2	6.5	4	9.8			29.0	41,714
SW-W2	17-Dec-07		3	6.3	4	10.1				
SW-W3	17-Dec-07	S	1	7.6	4	8.4	8.5	12,235		
SW-W3	17-Dec-07	S	2	7.4	4	8.5				
SW-W3	17-Dec-07	S	3	7.4	4	8.6				
SW-W4	17-Dec-07	L	1	52.2	2	0.6	0.6	876		
SW-W4	17-Dec-07	L	2	54.5	2	0.6				
SW-W4	17-Dec-07	L	3	49.8	2	0.6				
SW-W5	17-Dec-07	S	1	6.3	4	10.1	10.0	14,339		
SW-W5	17-Dec-07	S	2	6.3	4	10.0				
SW-W5	17-Dec-07	S	3	6.5	4	9.7				
SW-W6	17-Dec-07	L	1	13.3	2	2.4	2.4	3,412		
SW-W6	17-Dec-07	L	2	13.1	2	2.4				
SW-W6	17-Dec-07	L	3	13.8	2	2.3			19.9	28,662
SW-W7	17-Dec-07	S	1	3.6	4	17.5	17.5	25,250		
SW-W7	17-Dec-07	S	2	3.6	4	17.8				
SW-W7	17-Dec-07	S	3	3.7	4	17.3				
SW-W2	23-Jan-08	SSed	1	5.3	3	8.9	8.9	12,883		
SW-W2	23-Jan-08	SSed	2	5.2	3	9.1			25.8	37,151
SW-W2	23-Jan-08	SSed	3	5.4	3	8.8				
SW-W3	23-Jan-08	SSed	1	6.8	3	7.0	6.9	9,988		
SW-W3	23-Jan-08	SSed	2	6.8	3	7.0				
SW-W3	23-Jan-08	SSed	3	6.9	3	6.9				
SW-W4	23-Jan-08	L	1	41.3	2	0.8	0.8	1,169		
SW-W4	23-Jan-08	L	2	37.8	2	0.8				
SW-W4	23-Jan-08	L	3	38.3	2	0.8				
SW-W5	23-Jan-08		1	5.3	3	9.0	9.1	13,112		
SW-W5	23-Jan-08		2	5.2	3	9.1				
SW-W5	23-Jan-08		3	5.2	3	9.2				
SW-W6	23-Jan-08	LS	1	16.3	2	1.9	2.0	2,812		
SW-W6	23-Jan-08	LS	2	16.5	2	1.9				
SW-W6	23-Jan-08	LS	3	15.9	2	2.0			17.5	25,164
SW-W7	23-Jan-08	S	1	4.2	4	15.3	15.5	22,352		
SW-W7	23-Jan-08	S	2	4.0	4	16.0				
SW-W7	23-Jan-08	S	3	4.1	4	15.3				
SW-W2	27-Feb-08		1	5.5	3	8.6	8.6	12,451		
SW-W2	27-Feb-08		2	5.5	3	8.6			25.5	36,752
SW-W2	27-Feb-08		3	5.5	3	8.6				
SW-W3	27-Feb-08		1	9.0	4	7.0	7.2	10,344		
SW-W3	27-Feb-08		2	9.0	4	7.0				
SW-W3	27-Feb-08		3	8.5	4	7.5				
SW-W4	27-Feb-08	L	1	50.5	2	0.6	0.6	913		
SW-W4	27-Feb-08	L	2	50.0	2	0.6				
SW-W4	27-Feb-08	L	3	49.5	2	0.6				
SW-W5	27-Feb-08		1	7.0	4	9.1	9.1	13,044		
SW-W5	27-Feb-08		2	7.0	4	9.1				
SW-W5	27-Feb-08		3	7.0	4	9.1				
SW-W6	27-Feb-08		1	15.5	2	2.0	2.0	2,915		
SW-W6	27-Feb-08		2	15.5	2	2.0				
SW-W6	27-Feb-08		3	16.0	2	2.0			20.1	29,003
SW-W7	27-Feb-08		1	3.5	4	18.1	18.1	26,088		
SW-W7	27-Feb-08		2	3.5	4	18.1				
SW-W7	27-Feb-08		3	3.5	4	18.1				

Appendix E.2 Weir Discharge Activity

FLOW RATE MEASUREMENTS										
Weir	Date	Stream Status	Test	Time (sec)	Vol (L)	Rate (gpm)	Ave (gpm)	Daily Weir Total (gpd)	Area Totals * (gpm)	Area Daily Total * (gpd)
SW-W2	10-Mar-08		1	5.5	3	8.6	8.6	12,451		
SW-W2	10-Mar-08		2	5.5	3	8.6			25.6	36,797
SW-W2	10-Mar-08		3	5.5	3	8.6				
SW-W3	10-Mar-08		1	9.0	4	7.0	7.0	10,145		
SW-W3	10-Mar-08		2	9.0	4	7.0				
SW-W3	10-Mar-08		3	9.0	4	7.0				
SW-W4	10-Mar-08	L	1	40.5	2	0.8	0.8	1,157		
SW-W4	10-Mar-08	L	2	38.0	2	0.8				
SW-W4	10-Mar-08	L	3	40.0	2	0.8				
SW-W5	10-Mar-08		1	7.0	4	9.1	9.1	13,044		
SW-W5	10-Mar-08		2	7.0	4	9.1				
SW-W5	10-Mar-08		3	7.0	4	9.1				
SW-W6	10-Mar-08	L	1	15.5	2	2.0	2.1	2,978		
SW-W6	10-Mar-08	L	2	15.0	2	2.1				
SW-W6	10-Mar-08	L	3	15.5	2	2.0			17.9	25,805
SW-W7	10-Mar-08	S	1	4.0	4	15.9	15.9	22,827		
SW-W7	10-Mar-08	S	2	4.0	4	15.9				
SW-W7	10-Mar-08	S	3	4.0	4	15.9				
SW-W2	29-May-08	S	1	8.5	4	7.5	7.5	10,831		
SW-W2	29-May-08	S	2	8.2	4	7.7			21.4	30,831
SW-W2	29-May-08	S	3	8.6	4	7.4				
SW-W3	29-May-08	S	1	10.3	4	6.2	6.1	8,757		
SW-W3	29-May-08	S	2	10.8	4	5.9				
SW-W3	29-May-08	S	3	10.2	4	6.2				
SW-W4	29-May-08	L	1	47.5	2	0.7	0.7	981		
SW-W4	29-May-08	L	2	46.5	2	0.7				
SW-W4	29-May-08	L	3	45.7	2	0.7				
SW-W5	29-May-08	LS	1	8.8	4	7.2	7.1	10,262		
SW-W5	29-May-08	LS	2	9.1	4	7.0				
SW-W5	29-May-08	LS	3	8.8	4	7.2				
SW-W6	29-May-08	L	1	27.5	3	1.7	1.7	2,443		
SW-W6	29-May-08	L	2	28.5	3	1.7				
SW-W6	29-May-08	L	3	28.1	3	1.7			15.8	22,809
SW-W7	29-May-08	S	1	4.7	4	13.6	14.1	20,366		
SW-W7	29-May-08	S	2	4.4	4	14.4				
SW-W7	29-May-08	S	3	4.4	4	14.4				
SW-W2	25-Jun-08	S	1	8.5	4	7.5	7.5	10,827		
SW-W2	25-Jun-08	S	2	8.4	4	7.5			21.9	31,503
SW-W2	25-Jun-08	S	3	8.4	4	7.5				
SW-W3	25-Jun-08	S	1	9.8	3	4.8	5.8	8,392		
SW-W3	25-Jun-08	S	2	10.0	4	6.4				
SW-W3	25-Jun-08	S	3	10.1	4	6.3				
SW-W4	25-Jun-08	L	1	65.0	2	0.5	0.5	725		
SW-W4	25-Jun-08	L	2	63.0	2	0.5				
SW-W4	25-Jun-08	L	3	61.0	2	0.5				
SW-W5	25-Jun-08	S	1	7.9	4	8.0	8.0	11,558		
SW-W5	25-Jun-08	S	2	7.9	4	8.0				
SW-W5	25-Jun-08	S	3	7.9	4	8.0				
SW-W6	25-Jun-08	L	1	21.2	2	1.5	1.5	2,196		
SW-W6	25-Jun-08	L	2	20.5	2	1.5				
SW-W6	25-Jun-08	L	3	20.7	2	1.5			16.4	23,589
SW-W7	25-Jun-08	S	1	4.3	4	14.8	14.9	21,393		
SW-W7	25-Jun-08	S	2	4.4	4	14.5				
SW-W7	25-Jun-08	S	3	4.2	4	15.3				

Appendix E.2 Weir Discharge Activity

FLOW RATE MEASUREMENTS										
Weir	Date	Stream Status	Test	Time (sec)	Vol (L)	Rate (gpm)	Ave (gpm)	Daily Weir Total (gpd)	Area Totals * (gpm)	Area Daily Total * (gpd)
SW-W2	29-Jul-08	S	1	6.7	3	7.1	7.1	10,171		
SW-W2	29-Jul-08	S	2	6.8	3	7.0			15.5	22,383
SW-W2	29-Jul-08	S	3	6.7	3	7.2				
SW-W3	29-Jul-08	S	1	8.9	3	5.4	5.5	7,938		
SW-W3	29-Jul-08	S	2	8.5	3	5.6				
SW-W3	29-Jul-08	S	3	8.5	3	5.6				
SW-W4	29-Jul-08	L	1	59.6	2	0.5	0.6	807		
SW-W4	29-Jul-08	L	2	54.8	2	0.6				
SW-W4	29-Jul-08	L	3	55.6	2	0.6				
SW-W5	29-Jul-08	LS	1	19.9	3	2.4	2.4	3,467		
SW-W5	29-Jul-08	LS	2	25.7	4	2.5				
SW-W5	29-Jul-08	LS	3	20.1	3	2.4				
SW-W6	29-Jul-08	LS	1	33.8	3	1.4	1.5	2,102		
SW-W6	29-Jul-08	LS	2	31.5	3	1.5				
SW-W6	29-Jul-08	LS	3	32.5	3	1.5			15.3	22,063
SW-W7	29-Jul-08	LS	1	4.7	4	13.4	13.9	19,961		
SW-W7	29-Jul-08	LS	2	4.7	4	13.4				
SW-W7	29-Jul-08	LS	3	4.3	4	14.7				
SW-W2	30-Sep-08	LSSed	1	9.9	4	6.4	6.3	9,033		
SW-W2	30-Sep-08	LSSed	2	10.3	4	6.2			17.7	25,533
SW-W2	30-Sep-08	LSSed	3	10.2	4	6.2				
SW-W3	30-Sep-08	SSed	1	12.8	4	5.0	4.9	7,123		
SW-W3	30-Sep-08	SSed	2	13.0	4	4.9				
SW-W3	30-Sep-08	SSed	3	12.7	4	5.0				
SW-W4	30-Sep-08	LSed	1	48.0	2	0.7	0.7	968		
SW-W4	30-Sep-08	LSed	2	49.5	2	0.6				
SW-W4	30-Sep-08	LSed	3	44.2	2	0.7				
SW-W5	30-Sep-08	LSSed	1	8.3	3	5.7	5.8	8,409		
SW-W5	30-Sep-08	LSSed	2	8.1	3	5.9				
SW-W5	30-Sep-08	LSSed	3	8.0	3	5.9				
SW-W6	30-Sep-08	LSed	1	31.6	3	1.5	1.5	2,118		
SW-W6	30-Sep-08	LSed	2	32.5	3	1.5				
SW-W6	30-Sep-08	LSed	3	32.9	3	1.4				
SW-W7	30-Sep-08	SSed	1	4.2	4	15.1	15.0	21,537	16.4	23,655
SW-W7	30-Sep-08	SSed	2	4.4	4	14.3				
SW-W7	30-Sep-08	SSed	3	4.1	4	15.4				
SW-W2	31-Dec-08	S	1	5.8	3	8.2	8.3	11,912		
SW-W2	31-Dec-08	S	2	5.8	3	8.2			23.3	33,539
SW-W2	31-Dec-08	S	3	5.7	3	8.4				
SW-W3	31-Dec-08	S	1	8.0	3	6.0	5.9	8,470		
SW-W3	31-Dec-08	S	2	8.5	3	5.6				
SW-W3	31-Dec-08	S	3	7.9	3	6.1				
SW-W4	31-Dec-08	L	1	78.3	2	0.4	0.4	557		
SW-W4	31-Dec-08	L	2	86.3	2	0.4				
SW-W4	31-Dec-08	L	3	81.8	2	0.4				
SW-W5	31-Dec-08	S	1	7.3	4	8.7	8.8	12,600		
SW-W5	31-Dec-08	S	2	6.8	4	9.3				
SW-W5	31-Dec-08	S	3	7.7	4	8.3				
SW-W6	31-Dec-08	L	1	31.5	3	1.5	1.6	2,246		
SW-W6	31-Dec-08	L	2	29.6	3	1.6				
SW-W6	31-Dec-08	L	3	30.5	3	1.6			17.5	25,176
SW-W7	31-Dec-08	S	1	4.5	4	14.1	15.9	22,930		
SW-W7	31-Dec-08	S	2	4.3	4	14.9				
SW-W7	31-Dec-08	S	3	3.5	4	18.1				
SW-W7	31-Dec-08	S	4	3.8	4	16.6				

Appendix E.2 Weir Discharge Activity

FLOW RATE MEASUREMENTS										
Weir	Date	Stream Status	Test	Time (sec)	Vol (L)	Rate (gpm)	Ave (gpm)	Daily Weir Total (gpd)	Area Totals * (gpm)	Area Daily Total * (gpd)
SW-W2	2-Apr-09	LS	1	8.0	4	7.9	8.1	11,667		
SW-W2	2-Apr-09	LS	2	7.5	4	8.5			22.3	32,120
SW-W2	2-Apr-09	LS	3	8.0	4	7.9				
SW-W3	2-Apr-09	LS	1	11.0	4	5.8	5.9	8,457		
SW-W3	2-Apr-09	LS	2	11.5	4	5.5				
SW-W3	2-Apr-09	LS	3	10.0	4	6.3				
SW-W4	2-Apr-09	L	1	38.0	2	0.8	0.9	1,229		
SW-W4	2-Apr-09	L	2	36.0	2	0.9				
SW-W4	2-Apr-09	L	3	37.5	2	0.8				
SW-W5	2-Apr-09	S	1	8.5	4	7.5	7.5	10,767		
SW-W5	2-Apr-09	S	2	8.0	4	7.9				
SW-W5	2-Apr-09	S	3	9.0	4	7.0				
SW-W6	2-Apr-09	L	1	26.0	3	1.8	1.9	2,784		
SW-W6	2-Apr-09	L	2	25.0	3	1.9			15.6	22,398
SW-W6	2-Apr-09	L	3	23.0	3	2.1				
SW-W7	2-Apr-09	S	1	4.5	4	14.1	13.6	19,614		
SW-W7	2-Apr-09	S	2	5.0	4	12.7				
SW-W7	2-Apr-09	S	3	4.5	4	14.1				
SW-W2	12-May-09	LS	1	6.7	3	7.1	6.8	9,849		
SW-W2	12-May-09	LS	2	6.8	3	7.0			15.9	22,831
SW-W2	12-May-09	LS	3	7.4	3	6.4				
SW-W3	12-May-09	S	1	9.4	3	5.1	4.9	7,111		
SW-W3	12-May-09	S	2	9.7	3	4.9				
SW-W3	12-May-09	S	3	9.8	3	4.9				
SW-W4	12-May-09	L	1	76.4	2	0.4	0.4	629		
SW-W4	12-May-09	L	2	69.8	2	0.5				
SW-W4	12-May-09	L	3	71.8	2	0.4				
SW-W5	12-May-09	LS	1	13.3	3	3.6	3.6	5,242		
SW-W5	12-May-09	LS	2	13.0	3	3.7				
SW-W5	12-May-09	LS	3	12.9	3	3.7				
SW-W6	12-May-09	LSed	1	15.8	2	2.0	2.0	2,933		
SW-W6	12-May-09	LSed	2	15.3	2	2.1			15.9	22,943
SW-W6	12-May-09	LSed	3	15.6	2	2.0				
SW-W7	12-May-09	SSed	1	4.4	4	14.4	13.9	20,009		
SW-W7	12-May-09	SSed	2	4.7	4	13.5				
SW-W7	12-May-09	SSed	3	4.6	4	13.8				
SW-W2	20-Jul-09	LS	1	10.8	4	5.9	6.0	8,673		
SW-W2	20-Jul-09	LS	2	10.2	4	6.2			16.9	24,400
SW-W2	20-Jul-09	LS	3	10.6	4	6.0				
SW-W3	20-Jul-09	LS	1	12.9	4	4.9	4.9	7,061		
SW-W3	20-Jul-09	LS	2	13.1	4	4.8				
SW-W3	20-Jul-09	LS	3	12.8	4	5.0				
SW-W4	20-Jul-09	L	1	65.0	2	0.5	0.5	678		
SW-W4	20-Jul-09	L	2	69.0	2	0.5				
SW-W4	20-Jul-09	L	3	68.0	2	0.5				
SW-W5	20-Jul-09	S	1	11.6	4	5.5	5.5	7,988		
SW-W5	20-Jul-09	S	2	11.5	4	5.5				
SW-W5	20-Jul-09	S	3	11.2	4	5.7				
SW-W6	20-Jul-09	L	1	24.5	2	1.3	1.3	1,927		
SW-W6	20-Jul-09	L	2	23.3	2	1.4			13.2	18,951
SW-W6	20-Jul-09	L	3	23.3	2	1.4				
SW-W7	20-Jul-09	S	1	5.5	4	11.5	11.8	17,023		
SW-W7	20-Jul-09	S	2	5.4	4	11.7				
SW-W7	20-Jul-09	S	3	5.2	4	12.2				

Appendix E.2 Weir Discharge Activity

FLOW RATE MEASUREMENTS										
Weir	Date	Stream Status	Test	Time (sec)	Vol (L)	Rate (gpm)	Ave (gpm)	Daily Weir Total (gpd)	Area Totals * (gpm)	Area Daily Total * (gpd)
SW-W2	23-Sep-09	L	1	7.0	3	6.8	6.4	9,269		
SW-W2	23-Sep-09	L	2	7.7	3	6.2			16.5	23,792
SW-W2	23-Sep-09	L	3	7.5	3	6.3				
SW-W3	23-Sep-09	SSed	1	11.2	3	4.2	4.1	5,843		
SW-W3	23-Sep-09	SSed	2	11.9	3	4.0				
SW-W3	23-Sep-09	SSed	3	12.1	3	3.9				
SW-W4	23-Sep-09	LSed	1	87.1	2	0.4	0.4	590		
SW-W4	23-Sep-09	LSed	2	74.3	2	0.4				
SW-W4	23-Sep-09	LSed	3	72.4	2	0.4				
SW-W5	23-Sep-09	LS	1	8.5	3	5.6	5.6	8,090		
SW-W5	23-Sep-09	LS	2	8.3	3	5.7				
SW-W5	23-Sep-09	LS	3	8.6	3	5.5				
SW-W6	23-Sep-09	L	1	22.6	2	1.4	1.4	2,061		
SW-W6	23-Sep-09	L	2	22.4	2	1.4				
SW-W6	23-Sep-09	L	3	21.5	2	1.5			13.9	20,083
SW-W7	23-Sep-09	LS	1	5.1	4	12.4	12.5	18,023		
SW-W7	23-Sep-09	LS	2	5.0	4	12.7				
SW-W7	23-Sep-09	LS	3	5.1	4	12.4				
SW-W2	19-Oct-09	S	1	9.4	4	6.7	6.7	9,717		
SW-W2	19-Oct-09	S	2	9.6	4	6.6			14.5	20,848
SW-W2	19-Oct-09	S	3	9.2	4	6.9				
SW-W3	19-Oct-09	SSed	1	10.3	3	4.6	4.6	6,585		
SW-W3	19-Oct-09	SSed	2	10.5	3	4.5				
SW-W3	19-Oct-09	SSed	3	10.4	3	4.6				
SW-W4	19-Oct-09	LSed	1	51.5	2	0.6	0.6	910		
SW-W4	19-Oct-09	LSed	2	48.3	2	0.7				
SW-W4	19-Oct-09	LSed	3	50.8	2	0.6				
SW-W5	19-Oct-09	LS	1	19.1	3	2.5	2.5	3,637		
SW-W5	19-Oct-09	LS	2	18.7	3	2.5				
SW-W5	19-Oct-09	LS	3	18.7	3	2.5				
SW-W6	19-Oct-09	LSed	1	31.5	3	1.5	1.5	2,169		
SW-W6	19-Oct-09	LSed	2	32.9	3	1.4				
SW-W6	19-Oct-09	LSed	3	30.4	3	1.6			15.1	21,743
SW-W7	19-Oct-09	SSed	1	4.6	4	13.8	13.6	19,574		
SW-W7	19-Oct-09	SSed	2	4.8	4	13.2				
SW-W7	19-Oct-09	SSed	3	4.6	4	13.8				
SW-W2	22-Dec-09		1	7.8	4	8.1	8.1	11,711		
SW-W2	22-Dec-09		2	7.6	4	8.3			21.1	30,416
SW-W2	22-Dec-09		3	8.0	4	7.9				
SW-W3	22-Dec-09	S	1	9.6	4	6.6	6.7	9,613		
SW-W3	22-Dec-09	S	2	9.3	4	6.8				
SW-W3	22-Dec-09	S	3	9.6	4	6.6				
SW-W4	22-Dec-09	LSed	1	25.6	2	1.2	1.2	1,786		
SW-W4	22-Dec-09	LSed	2	26.0	2	1.2				
SW-W4	22-Dec-09	LSed	3	25.1	2	1.3				
SW-W5	22-Dec-09	S	1	12.6	4	5.0	5.1	7,305		
SW-W5	22-Dec-09	S	2	12.4	4	5.1				
SW-W5	22-Dec-09	S	3	12.5	4	5.1				
SW-W6	22-Dec-09	LSed	1	15.9	2	2.0	2.0	2,940		
SW-W6	22-Dec-09	LSed	2	15.1	2	2.1			16.0	23,084
SW-W6	22-Dec-09	LSed	3	15.6	2	2.0				
SW-W7	22-Dec-09	SSed	1	4.6	4	13.8	14.0	20,144		
SW-W7	22-Dec-09	SSed	2	4.5	4	14.1				
SW-W7	22-Dec-09	SSed	3	4.5	4	14.1				

Appendix E.2 Weir Discharge Activity

FLOW RATE MEASUREMENTS										
Weir	Date	Stream Status	Test	Time (sec)	Vol (L)	Rate (gpm)	Ave (gpm)	Daily Weir Total (gpd)	Area Totals * (gpm)	Area Daily Total * (gpd)
SW-W2	25-Feb-10	LS	1	4.0	2	7.9	7.9	11,418	23.5	33,911
SW-W2	25-Feb-10	LS	2	4.1	2	7.7				
SW-W2	25-Feb-10	LS	3	3.9	2	8.1				
SW-W3	25-Feb-10	LSSed	1	5.0	2	6.3	6.1	8,846		
SW-W3	25-Feb-10	LSSed	2	5.4	2	5.9				
SW-W3	25-Feb-10	LSSed	3	5.1	2	6.2				
SW-W4	25-Feb-10	LSed	1	14.3	1	1.1	1.1	1,627		
SW-W4	25-Feb-10	LSed	2	14.2	1	1.1				
SW-W4	25-Feb-10	LSed	3	13.6	1	1.2				
SW-W5	25-Feb-10	L	1	3.8	2	8.3	8.3	12,020		
SW-W5	25-Feb-10	L	2	3.9	2	8.1				
SW-W5	25-Feb-10	L	3	3.7	2	8.6				
SW-W6	25-Feb-10	LS	1	9.7	1	1.6	1.6	2,362	18.0	25,990
SW-W6	25-Feb-10	LS	2	9.5	1	1.7				
SW-W6	25-Feb-10	LS	3	9.8	1	1.6				
SW-W7	25-Feb-10	LSSed	1	2.0	2	15.9	16.4	23,628		
SW-W7	25-Feb-10	LSSed	2	1.9	2	16.7				
SW-W7	25-Feb-10	LSSed	3	1.9	2	16.7				
SW-W2	12-Apr-10	LSSed	1	4.5	2	7.0	7.3	10,552	21.1	30,455
SW-W2	12-Apr-10	LSSed	2	4.4	2	7.2				
SW-W2	12-Apr-10	LSSed	3	4.1	2	7.7				
SW-W3	12-Apr-10	LSSed	1	5.5	2	5.8	5.6	8,108		
SW-W3	12-Apr-10	LSSed	2	5.6	2	5.7				
SW-W3	12-Apr-10	LSSed	3	5.8	2	5.5				
SW-W4	12-Apr-10	LSed	1	9.2	0.5	0.9	0.9	1,250		
SW-W4	12-Apr-10	LSed	2	9.3	0.5	0.9				
SW-W4	12-Apr-10	LSed	3	8.9	0.5	0.9				
SW-W5	12-Apr-10	LSSed	1	4.5	2	7.0	7.3	10,544		
SW-W5	12-Apr-10	LSSed	2	4.2	2	7.5				
SW-W5	12-Apr-10	LSSed	3	4.3	2	7.4				
SW-W6	12-Apr-10	Sed	1	10.0	1	1.6	1.6	2,283	16.3	23,525
SW-W6	12-Apr-10	Sed	2	10.1	1	1.6				
SW-W6	12-Apr-10	Sed	3	9.9	1	1.6				
SW-W7	12-Apr-10	SSed	1	4.4	4	14.4	14.8	21,242		
SW-W7	12-Apr-10	SSed	2	4.3	4	14.7				
SW-W7	12-Apr-10	SSed	3	4.2	4	15.1				
SW-W2	22-Jun-10	LSSed	1	8.9	4	7.1	7.2	10,417	21.8	31,376
SW-W2	22-Jun-10	LSSed	2	8.8	4	7.2				
SW-W2	22-Jun-10	LSSed	3	8.6	4	7.4				
SW-W3	22-Jun-10	SSed	1	11.8	4	5.4	5.2	7,490		
SW-W3	22-Jun-10	SSed	2	12.2	4	5.2				
SW-W3	22-Jun-10	SSed	3	12.6	4	5.0				
SW-W4	22-Jun-10	LSed	1	30.2	1.25	0.7	0.6	876		
SW-W4	22-Jun-10	LSed	2	40.2	1.5	0.6				
SW-W4	22-Jun-10	LSed	3	44.0	1.6	0.6				
SW-W5	22-Jun-10	LSSed	1	5.3	2.5	7.5	7.1	10,207		
SW-W5	22-Jun-10	LSSed	2	7.0	3	6.8				
SW-W5	22-Jun-10	LSSed	3	6.8	3	7.0				
SW-W6	22-Jun-10	LSed	1	19.2	2	1.7	1.7	2,386	17.3	24,851
SW-W6	22-Jun-10	LSed	2	18.8	2	1.7				
SW-W6	22-Jun-10	LSed	3	19.4	2	1.6				
SW-W7	22-Jun-10	LSSed	1	4.0	4	15.9	15.6	22,465		
SW-W7	22-Jun-10	LSSed	2	4.2	4	15.1				
SW-W7	22-Jun-10	LSSed	3	4.0	4	15.9				

Appendix E.2 Weir Discharge Activity

FLOW RATE MEASUREMENTS										
Weir	Date	Stream Status	Test	Time (sec)	Vol (L)	Rate (gpm)	Ave (gpm)	Daily Weir Total (gpd)	Area Totals * (gpm)	Area Daily Total * (gpd)
SW-W2	1-Nov-10	LSSed	1	2.0	5	39.6	39.0	56,162		
SW-W2	1-Nov-10	LSSed	2	2.0	5	39.6			94.8	136,480
SW-W2	1-Nov-10	LSSed	3	2.1	5	37.7				
SW-W3	1-Nov-10	LSSed	1	2.5	5	31.7	31.7	45,654		
SW-W3	1-Nov-10	LSSed	2	2.5	5	31.7				
SW-W3	1-Nov-10	LSSed	3	2.5	5	31.7				
SW-W4	1-Nov-10	LSed	1	4.4	2.5	9.0	8.8	12,694		
SW-W4	1-Nov-10	LSed	2	4.7	2.5	8.4				
SW-W4	1-Nov-10	LSed	3	4.4	2.5	9.0				
SW-W5	1-Nov-10	LSSed	1	2.5	2.5	15.9	15.3	21,971		
SW-W5	1-Nov-10	LSSed	2	2.6	2.5	15.2				
SW-W5	1-Nov-10	LSSed	3	2.7	2.5	14.7				
SW-W6	1-Nov-10	LSed	1	3.9	2.5	10.2	9.8	14,157		
SW-W6	1-Nov-10	LSed	2	4.1	2.5	9.7			55.6	80,052
SW-W6	1-Nov-10	LSed	3	4.1	2.5	9.7				
SW-W7	1-Nov-10	LSSed	1	1.7	5	46.6	45.8	65,895		
SW-W7	1-Nov-10	LSSed	2	1.8	5	44.0				
SW-W7	1-Nov-10	LSSed	3	1.7	5	46.6				

Note:

Vol, volume
sec, seconds
L, liter

gpm, gallons per minute
gpd, gallons per day
Ave, average

L, leakage along weir
S, splashing of water in bucket
Sed, sediments in water

* Shaded area indicates northern area

* Nonshaded area indicates southern area