

Appendix 7.1

Sprinklers pressures and flow rate (autumn trial)

Sprinkler No.	Irrigation dates									
	5/4/07	13/4/07	20/4/07	26/4/07	2/5/07	8/5/07*	14/5/07	18/5/07	25/5/07	30/5/07
Sprinkler pressure (kPa)										
L2S	372.3	406.8	343.0	427.5	368.9	366.9	367.5	375.9	385.8	384.4
L3S ^a	368.9	406.8	344.7	427.5	248.2	193.7	199.3	186.0	193.7	198.6
L5S	367.1	441.3	344.7	461.9	370.9	363.4	367.7	374.2	386.0	385.1
L6S	368.9	441.3	346.1	434.4	372.3	364.0	369.1	378.0	385.9	385.0
L8S ^b	375.8	403.3	351.6	427.5	372.3	361.3	370.9	378.2	386.6	386.0
L9S ^b	382.7	403.3	346.8	434.4	372.3	366.2	369.8	378.3	386.9	385.3
R2S ^a	374.0	401.3	324.1	427.5	262.0	152.7	163.9	144.8	136.7	150.2
R3S ^a	368.9	409.5	346.1	420.6	262.0	191.3	198.8	188.7	192.8	208.4
R5S	374.0	400.6	324.1	413.7	372.3	366.1	368.4	377.5	386.6	384.0
R6S	370.6	401.6	344.7	427.5	372.3	363.5	369.8	377.8	385.1	383.9
R8S ^b	370.6	406.8	346.8	427.5	374.0	364.1	370.5	376.2	385.7	386.2
R9S ^b	355.1	402.0	346.1	427.5	375.8	365.7	369.2	377.1	386.5	386.8
Sprinkler flow rate (Lit/min)										
L2S	5.0	4.8	4.8	5.2	4.8	5.0	4.9	4.9	5.2	5.1
L3S ^a	4.9	4.9	4.7	5.3	3.3	3.1	2.8	3.2	3.2	3.2
L5S	4.5	5.1	4.7	5.2	4.8	4.8	4.5	4.8	4.8	4.8
L6S	4.5	5.5	4.8	5.1	4.8	4.3	4.6	4.9	4.5	5.0
L8S ^b	4.6	4.8	4.6	4.8	4.4	5.4	5.8	NR	4.2	4.2
L9S ^b	4.8	4.9	4.7	5.0	4.8	4.7	5.0	NR	4.2	4.1
R2S ^a	4.6	5.0	4.3	4.9	3.2	3.1	2.9	3.1	2.9	3.0
R3S ^a	4.8	5.2	4.6	5.2	3.2	2.8	2.8	3.0	2.9	3.1
R5S	4.8	4.9	4.5	5.1	4.6	4.5	4.8	4.7	4.8	4.7
R6S	4.8	4.8	4.6	4.8	4.4	4.8	4.5	4.8	4.7	4.1
R8S ^b	4.5	5.0	4.6	5.0	4.6	4.2	3.9	NR	4.1	4.2
R9S ^b	4.0	4.8	4.7	5.2	4.8	4.9	5.0	NR	4.2	4.1

* Start measuring sprinkler pressure with electronic metre.

LS = Left side sprinklers from Creek side to Highway side.

RS = Right side sprinklers from Creek side to Highway side.

a = Shaded areas indicate when introduced pressure reducers in the Poor-1 grid.

b = Shaded areas indicate when introduced rotators in the Poor-2 grid.

NR = No data recorded

Sprinklers pressures and flow rate (winter trial)

Sprinkler No.	Irrigation dates									
	9/8/07	11/8/07	15/8/07	18/8/07	1/9/07	13/9/07	19/9/07	25/9/07	29/9/07	3/10/07
Sprinkler pressure (kPa)										
L2S	377.8	348.6	349.6	344.1	345.4	332.2	381.3	339.9	336.7	368.4
L3S ^a	383.4	349.4	350.1	186.5	184.2	183.6	198.2	180.6	191.3	194.8
L5S	378.2	351.4	350.4	345.5	347.4	332.6	382.2	339.9	337.4	369.3
L6S	377.8	351.6	349.6	345.1	346.8	332.7	383.0	340.3	338.1	369.6
L8S ^a	379.6	356.5	350.9	142.5	145.5	142.6	177.5	145.1	144.1	146.9
L9S ^a	381.7	353.5	353.9	207.5	121.8	115.8	121.4	117.5	123.1	120.7
R2S ^a	378.5	348.6	349.2	167.6	159.4	146.5	183.8	158.2	180.2	177.9
R3S ^a	376.7	348.9	349.0	194.0	118.2	112.7	118.9	114.7	117.2	109.6
R5S	379.2	350.1	351.6	343.3	348.4	328.9	383.1	343.4	337.7	369.3
R6S	379.8	350.7	350.4	342.5	348.2	330.0	382.9	343.8	339.9	370.9
R8S	377.6	351.9	351.6	341.8	347.6	334.1	382.9	344.4	340.1	372.0
R9S ^a	378.9	351.4	351.3	173.1	180.2	180.5	190.0	180.8	183.8	189.2
Sprinkler flow rate (Lit/min)										
L2S	4.5	4.4	4.4	4.3	4.6	4.3	4.9	4.8	4.5	4.9
L3S ^a	4.7	4.5	4.4	3.2	3.3	3.1	3.4	3.1	3.4	3.2
L5S	4.5	4.5	4.4	4.5	4.7	4.8	5.4	4.8	5.0	5.4
L6S	4.6	4.5	4.4	4.4	4.6	4.7	5.4	4.8	5.0	5.3
L8S ^a	4.8	4.4	4.5	2.8	3.0	3.0	3.1	2.9	3.2	3.2
L9S ^a	4.1	4.5	4.4	3.2	2.7	2.6	2.5	2.6	2.4	2.6
R2S ^a	4.8	4.5	4.3	3.1	3.1	3.0	3.2	3.0	3.4	3.2
R3S ^a	4.8	4.5	4.3	3.3	2.6	2.5	2.7	2.7	2.6	2.6
R5S	4.4	4.6	4.5	4.5	4.7	4.8	5.3	5.0	4.7	4.8
R6S	4.3	4.7	4.4	4.4	4.7	4.6	5.1	4.8	5.0	4.8
R8S	4.4	4.8	4.2	4.5	4.6	4.8	5.3	5.0	4.9	4.9
R9S ^a	4.4	4.6	4.3	3.2	3.2	3.2	3.3	3.2	3.2	3.1

LS = Left side sprinklers from Creek side to Highway side.

RS = Right side sprinklers from Creek side to Highway side.

a = Shaded areas indicate when introduced pressure reducers.