

# Kilmore Creek

## *Mid West Catchment*

### WATER MONITORING REPORT 2005 - 2007



A monitoring program is important as:

- An educational tool that introduces water quality issues to the general community;
- A means of gathering base datasets to allow useful discussion of issues and provide some direction for future works;
- A method of assessing the value of works completed.



*This project is funded by the Australian Government through the National Action Plan for Salinity & Water Quality and the Community Stream Sampling Project*

**FRONT COVER: KILMORE CREEK AT HUDSON PARK LOOKING UPSTREAM 18<sup>TH</sup>  
MAY 2007**

## TABLE OF CONTENTS

INTRODUCTION .....	4
DATA REPRESENTATION.....	5
MONITORING PLAN.....	6
TURBIDITY .....	8
<b>Turbidity in the Kilmore Creek</b> .....	9
SALINITY.....	13
<b>Salinity in the Kilmore Creek</b> .....	14
SEPP COMPLIANCE.....	18
SEPP (WOV) ENVIRONMENTAL QUALITY OBJECTIVES FOR RIVERS AND STREAMS – WATER QUALITY .....	18
APPENDIX A.....	22
Chemical Test Ratings .....	22
APPENDIX B.....	23
<b>Kilmore Creek Raw Data For Samples from 01 Jan 2005 to 18 Jul 2008</b> .....	23

## Introduction

Waterwatch is a community water quality monitoring program that assists the community in monitoring their local waterway. The Program aims to:

- Increase community awareness and understanding of water quality issues;
- Increase community involvement in water management decisions; and,
- Generate useful data for community and agency use which complements that collected by Agency monitoring networks.

There are many reasons why people are prepared to become involved in a water monitoring program. **In fact, there are as many different reasons as there are people participating in a program!**

The challenge for Waterwatch as a community monitoring program is to help monitoring networks gather the information that **they** want. In the process, the data collected can be extremely valuable to waterway management agencies that are committed to improving the condition of our rivers and streams.

Monitoring networks across the Goulburn Broken Catchment have been formed to study water quality in their local areas. The networks are able to test a local stream for a range of parameters using equipment supplied by the Waterwatch Program. The parameters selected for testing in each area depend upon the water quality issues identified by the monitoring network. Monitors also record the date, time and rainfall to assist in the interpretation of the data.

Phil Clancy began monitoring extensively along Kilmore Creek in 2005, mainly due to concerns about large areas of development occurring in the upstream area of the creek and what sort of affect it was having on the creek. For some time locals had considered that farming practice had been causing the high levels of salt, while long term residents felt that the high salt content was there well before the farming could affect it. There was also concern that domestic drainage and business discharge were occurring without due regard to the overall environment. The project set out to raise the profile of the Kilmore Creek which has high amenity value to the town.

During 2007, a total of 24 sites were monitored on a monthly basis for the following parameters:

1. Electrical Conductivity (Salinity)
2. Turbidity
3. Temperature
4. Rainfall; and
5. Habitat change due to sedimentation

This report contains the following information:

1. Information about water quality parameters
2. A tabular summary of data collected at all sites year by year.
3. Graphical representation of the medians of each parameter along the length of the waterway
4. Comparisons of local water quality data with State Environment Protection Policy (SEPP) guidelines
5. Raw Data for the monitoring period

The report provides a summary of testing results and should be used to stimulate discussion on the state of water quality in the Kilmore Creek, and potential actions to improve water quality. There is the potential to use water quality data collected in the program to discover trends in water quality over time and to measure the effects of improvement works carried out in the sub-catchment.

### Definitions

Median	Middle number in a series
Mean	Average calculated by adding all data points and dividing by the number of data points

### Data Representation

Water quality data in this report is represented and interpreted using a number of methods of presentation:

1. Individual data points (see Appendix B).  
*Individual monitoring results are arranged in tabular form according to site and date.*
2. Overall median where the median is calculated using all data collected at the site during the monitoring project.  
*This gives an overall indication of water quality at that site during the monitoring program. The overall median is compared to a Waterwatch rating scale.*
3. Annual median where a median is calculated year by year  
*This shows the changes or trend in water quality over time.*
4. Comparison of annual medians in Kilmore Creek with the SEPP guideline for water quality.  
*The SEPP objectives identify the 'ideal' result range for environmental data at a particular location in a waterway.*

# Monitoring Plan

**Name of Project Activity Area: Kilmore Creek**

**Monitoring Coordinator: Kirsten Hogan**

## **Why are you monitoring ?**

Waterwatch has an on-going objective to encourage the community to become involved in monitoring local waterways to learn more about water quality issues. In 2005 Phil Clancy approached Kirsten Hogan regarding monitoring Kilmore Creek to identify any effects of major housing development, domestic, recreation and business operations were having on Kilmore Creek, particularly turbidity. During 2006/08, an intensive monitoring project that targeted salinity has been undertaken across the Goulburn Broken Catchment. This Community Stream Sampling Project aimed to identify areas in the Murray Darling Basin where salt stores are negatively affecting river quality and discharging saline water into the rivers. Data collected by Phil will be used in this project also to assist in prioritising areas for on-ground mitigation works and future investment in salinity management.

## **Who will use the data?**

The community is the main user of Waterwatch data. However, the data is available to other organisations and individuals that have an interest in catchment water quality. These interest groups include the Australian Government, State Government agencies, local government, Catchment Management Authorities (CMAs), Natural Resource Management (NRM) bodies and managers, community groups and local farmers and landholders.

## **How will the data be used?**

Waterwatch data is used by the community to understand issues regarding water quality in waterways. The data is then available for use in developing local action plans to improve water quality and to measure the effectiveness of these plans.

## **Community Stream Sampling Objectives include:**

- *Identifying areas in the Murray Darling Basin where salt stores 'hot spots' are negatively affecting river quality and discharging saline water into the rivers;*
- *Providing information to assist community groups, Catchment Management Authorities and regional Natural Resource Management (NRM) bodies and NRM managers make decisions on prioritising areas for on ground works and future investment in salinity management.*
- *Establishing a web-based database with site photos to allow community groups, Catchment Management Authorities and regional Natural Resource Management bodies and NRM managers to access stream salinity data, salinity mapping and other geophysical and hydrological data to aid in decision-making for future investment*

## **Where will you monitor?**

*See Site list in attached tables*

## **Who will be involved and how?**

*Phil Clancy will be the primary monitor for this project, and will be involved in monitoring on a monthly basis.*

**What will be monitored?**

Electrical Conductivity is one parameter that is used to gauge the quality of water in a waterbody. It is one of the parameters monitored to develop the Water Quality sub-index of the Index of Stream Condition in Victoria and it is the parameter required for the Community Stream Sampling project.

Other parameters to be measured include turbidity, temperature and rainfall.

**Data quality controls?**

*See Data Confidence Plan*

**What methods will you use?  
When and how often will you monitor?**

See Community Monitoring Manual for the methods and procedures used in the Waterwatch Program and the Community Stream Sampling Project.

**How will the data be managed and reported?**

All water quality data is sent to the local Waterwatch Coordinator for checking prior to being sent to the Data Management Coordinator for entry into the Regional Waterwatch Database. Conductivity data has been forwarded to the Bureau of Rural Sciences on a three monthly basis.



## **Turbidity**

Turbidity is the cloudiness in water and is the result of suspended material in the water. This suspended material decreases the ability of light to pass through and thus can limit plant growth. This in turn affects the fish and invertebrate communities which feed on and live in the plants. Turbidity may be caused by silt, micro-organisms, plant material, algae and chemicals. However, the most frequent cause of turbidity in rivers and other water bodies is inorganic material from soil weathering and erosion.

High levels of turbidity have a two-fold effect on water:

- The water loses its ability to support a large variety of aquatic organisms. Where there is less light penetrating the water, there will be less photosynthesis occurring and therefore a lower level of oxygen in the water.
- The water becomes warmer because the suspended material absorbs heat from the sun. This also decreases the amount of oxygen dissolved in water.

Turbidity can be controlled by the retention of vegetation along streams and farming practices such as contouring and stubble retention.

## Turbidity in the Kilmore Creek

Monitoring for turbidity began in Kilmore Creek mid 2005. The tables and graphs below summarise the data collected.

Site code	Site Description	TURBIDITY MEDIANS (NTU)		
		2005	2006	2007
KIL001	Kilmore Creek, 50m East of sewer pipe over Creek	11*	8	12
KIL002	Kilmore Creek 5 m east of sewer pipe over creek	15*	8	12
KIL003	Northern side of Kilmore Ck below Eucalyptus ovata	-	-	-
KIL004	Kilmore Ck 5m west of sewer pipe over Creek	12*	11	16
KIL005	Kilmore Ck adjacent to eastern end of drainage lagoon	10*	9	15
KIL006	Kilmore Ck 26 m east of water pipe over creek	13*	6.5	18
XK1001	<i>Kilmore Ck – crossing at Tootle St</i>	-	45*	25
KIL007	Kilmore Creek at the end of Green St bridge	-	5.5	10
XK1002	<i>Unnamed Ck in Kilmore Ck system, SW anabranch</i>	-	-	10
KIL008	Kilmore Creek at bridge at Allen St	-	7.5	10
DAM031	Golf Club Dam in Monument Hill Reserve	-	-	90
DAM032	Kilmore Res opposite the Kilmore Hospital	-	-	15
KIL009	Kilmore Ck at bridge in Rutledge St	-	6.5	8
KIL010	Kilmore Ck north of entry from res bridge Rutledge St	-	9	15
KIL011	Res outlet below Ryans Road	-	-	-
KIL012	Waterhole parking area Ryans Road	-	12	11
KIL013	Hudson Park Weir East Side	-	14	20

Table 1

Rating: Turbidity for the Valleys –

<10 NTU Excellent, <12.5 NTU Good, <15 NTU Fair, <22.5 NTU Poor, >22.5 NTU Degraded

Note: results with \* indicate <5 data sets used for interpretation.

Site code	Site Description	TURBIDITY MEDIANS (NTU)		
		2005	2006	2007
KILO14	Kilmore Ck, back of supermarket, south of drain	-	6.5	8
KILO15	Kilmore Ck, back of supermarket, north of drain	-	14	9
KILO16	Kilmore Ck on Northern Hwy – East side Chinaman’s bridge	-	6.5	7
KILO17	Kilmore Ck North of Willowmavin Rd Bridge	-	6.5	9
KILO18	Kilmore Ck in Costelloes Rd U/S of WWMF	7.5*	-	9
KILO19	Kilmore Ck near Boundary Rd D/S of WWMF	-	-	8
KILO20	Kilmore Ck at Northern Hwy	-	-	8

Table 1 continued

Rating: Turbidity for the Valleys –

<10 NTU Excellent, <12.5 NTU Good, <15 NTU Fair, <22.5 NTU Poor, >22.5 NTU Degraded

Note: results with \* indicate <5 data sets used for interpretation.

Table 1 shows turbidity results are varied in Kilmore Creek over the monitoring period. Results in 2006 were mostly rated as "Excellent". This could possibly be due to little rain, therefore little runoff, resulting in suspended material having time to settle in the waterway.

Results deteriorated slightly in 2007, possibly due to rain causing runoff to stir up the settled sediments in the creek, and likely bringing more suspended material in the runoff. The crossing at Tootle Street, and the Golf Club Dam in Monument Hill Reserve have the highest results. Pleasingly, the most downstream sites all still rated as "Excellent" in 2007. These results are also reflected in the graph below, showing the median turbidity results for the period 2005 to 2007.

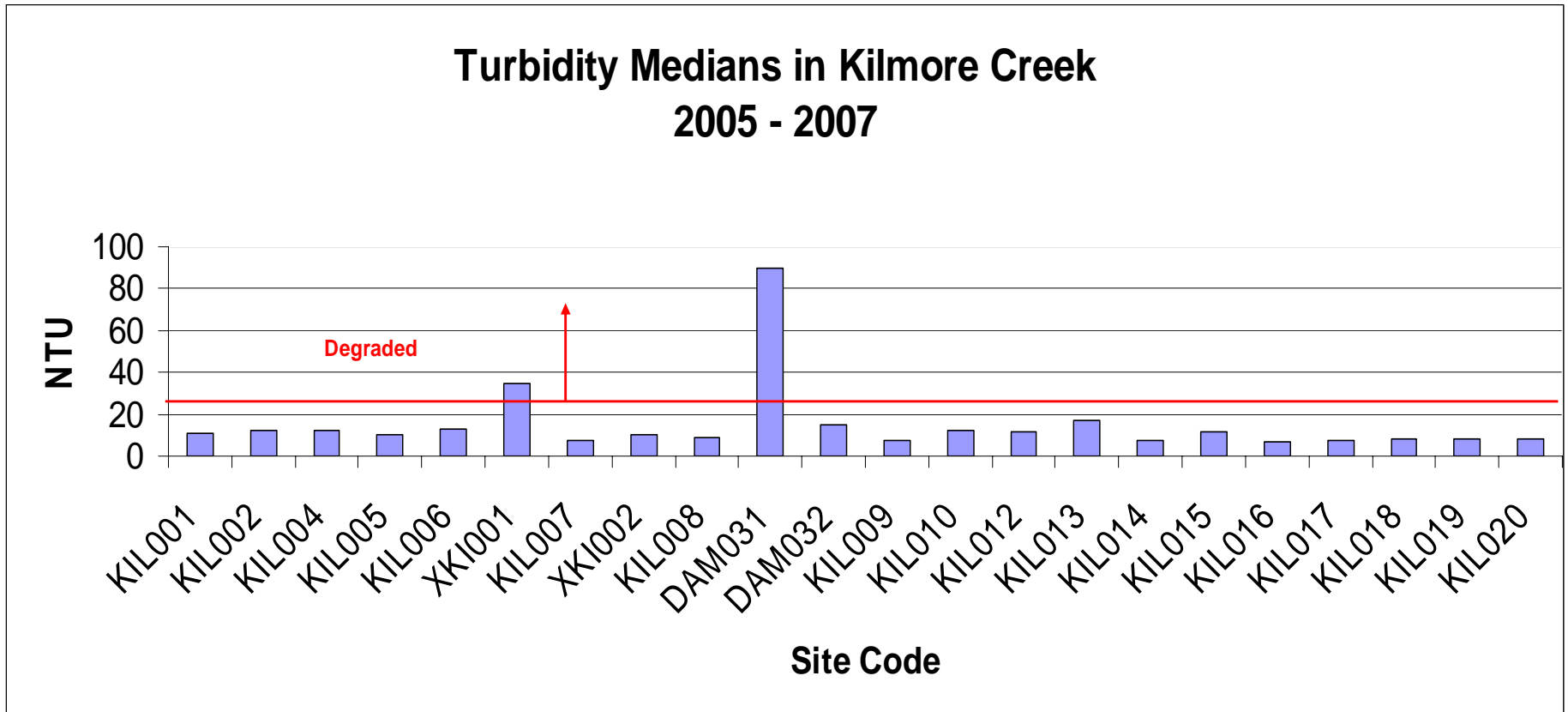


Figure 1

Results for 2007 are shown in Figure 2 below (as well as Table 1 above). It can be seen that the results for 2007 strongly mirror the overall medians for the entire three year monitoring period.

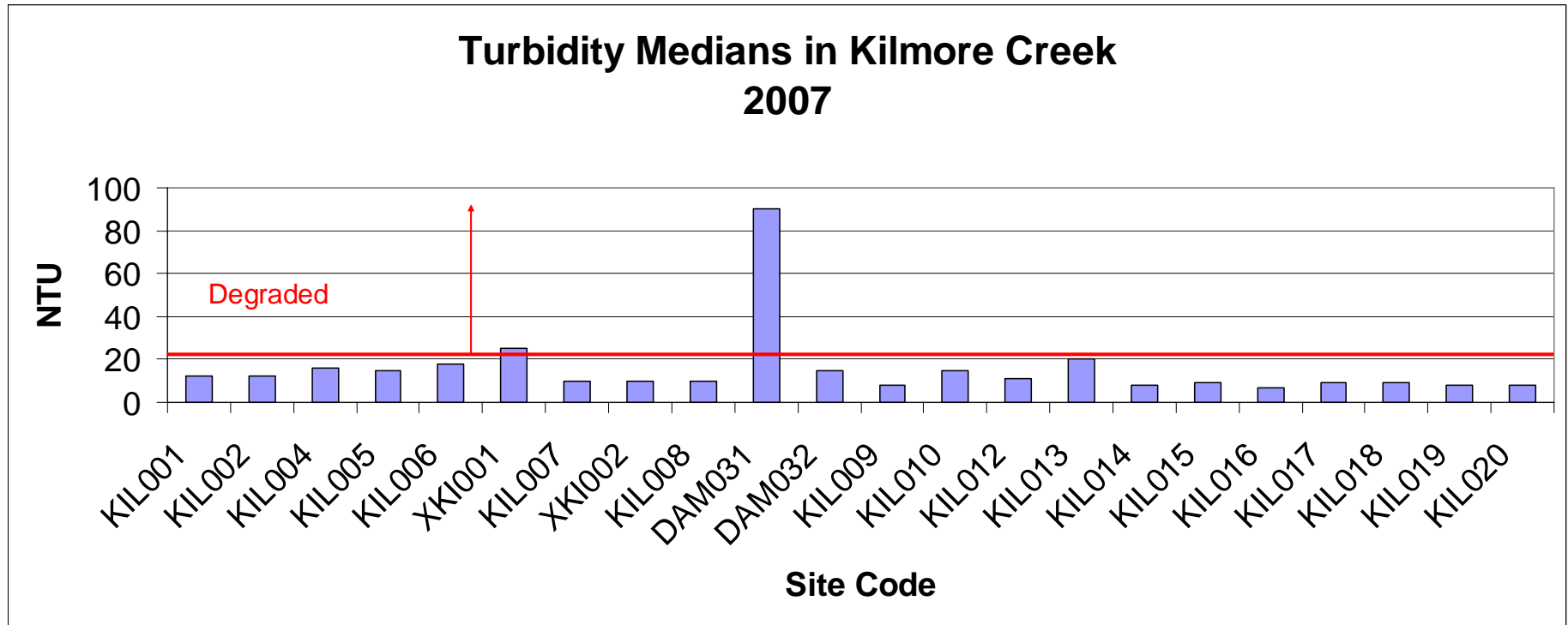


Figure 2

Generally, the turbidity levels in Kilmore Creek are good and the variation in the results is not significant. In comparison another site in the catchment, such as the Goulburn River above Jamieson, will typically record even lower levels than Kilmore Creek within the range of 1 to 4 NTU. Alternatively, a site on the Goulburn River at Shepparton can produce results as high as 50 to 70 NTU or sometimes a lot more. Turbidity results are affected by such things as the presence of riparian vegetation along the waterways (the more vegetation - the cleaner the water) and local agricultural practices (land cleared for agricultural pursuits can contribute to turbidity if best practices aren't employed). Heavy foot and vehicle traffic in high use recreational and amenity areas also has a depleting affect on riparian vegetation. Rain events inevitably cause an increase in turbidity in a waterway.

## Salinity

Just as excess salt in our diets can be bad for our health, high salt levels in the environment negatively affect plants, animals and soils in and near waterways. Salinity is potentially the largest environmental problem facing Australia and is a major problem in northern and western Victoria. The most concentrated problem area is in the Murray-Goulburn Irrigation District, but dryland salting problems also occurs around and to the west of Seymour.

Dryland salinity is caused when deep rooted trees are replaced with seasonal crops or grasses that do not pump the water into the atmosphere as efficiently. If trees are cleared higher up in a catchment, this can lead to dramatic rises in watertables. Solutions to salinity include revegetation of recharge areas and buffer strips along local streams.

Use the breakdown over page to get salt levels into perspective.

---

### 0-800 EC

If you tested the water from your tap at home it would be within this range. This is good drinking water for people and suitable for all animals

When water of 300EC is used in overhead sprinklers by irrigation farmers plants that are sensitive to salt may develop leaf scorch.

### 800-2500 EC

People can drink water within this range but it would start to taste very salty. This water is still suitable for all animals.

Peas, apricots and grapes can't be grown with water over 1,500 EC. If this water is used for irrigation farming, special care must be taken with drainage and choosing plants that are tolerant to salt. For example, lucerne can be irrigated with water of 2,000 EC and white clover with water of 1,000 EC, provided they are grown on sandy soil with good drainage.

### 2,500-10,000 EC

Water in this range is not suitable for people and should only be drunk in an emergency. When water over 4,000 EC is given to laying hens it causes their eggs to crack. Water over 6,000 EC is unsuitable for pigs and poultry. Highly saline water may also contain a high level of magnesium which can be harmful to stock. A water sample should be sent to a laboratory for analysis and specific advice obtained. This water is generally not used for irrigation farming except on some crops that have a very high tolerance to salt.

Pears, apples and tomatoes could not be grown with water in this range.

### Over 10,000 EC

Don't drink this water! Water over 10,000 EC has an extremely high salinity. This water is unsuitable for people and for most animals. Only beef cattle and adult sheep can survive on water in this range. Irrigation farming is not possible with such highly saline water. In dryland areas only salt tolerant pastures will survive.

At 50,000 EC water has the same salinity as the sea. This water can be used for making concrete and flushing toilets as long as they are able to resist corrosion.

---

### Salinity in the Kilmore Creek

Testing for salinity commenced at most sites below mid 2005. Testing began for some of the other sites as part of the Community Stream Sampling Project for the Bureau of Rural Science. The tables and graphs below summarise the data collected.

Site code	Site Description	MEDIAN ELECTRICAL CONDUCTIVITY (EC)		
		2005	2006	2007
KIL001	Kilmore Creek, 50m East of sewer pipe over Creek	1021*	2315	2055
KIL002	Kilmore Creek 5 m east of sewer pipe over creek	1072*	2455	2600
KIL003	Northern side of Kilmore Ck below Eucalyptus ovata	-	-	2850*
KIL004	Kilmore ck 5m west of sewer pipe over Creek	1171*	2515	2650
KIL005	Kilmore Ck adjacent to eastern end of drainage lagoon	1118*	2675	2800
KIL006	Kilmore Ck 26 m east of water pipe over creek	1138*	2765	2750
XK1001	Kilmore Ck – crossing at Tootle St	-	896*	723
KIL007	Kilmore Creek at the end of Green St bridge	-	2190	2400
XK1002	Unnamed Ck in Kilmore Ck system, SW anabranch	-	-	1000
KIL008	Kilmore Creek at bridge at Allen St	-	2280	2250
DAM031	Golf Club Dam in Monument Hill Reserve	-	-	230
DAM032	Kilmore Res opposite the Kilmore Hospital	-	-	540
KIL009	Kilmore Ck at bridge in Rutledge St	-	2315	2140
KIL010	Kilmore Ck north of entry from res bridge Rutledge St	-	2250	2250
KIL011	Res outlet below Ryans Road	-	-	-
KIL012	Waterhole parking area Ryans Road	-	2229	2150
KIL013	Hudson Park Weir East Side	-	1862	1820

Table 2

Rating: Conductivity for the Valleys –

<80 EC Excellent, <240 EC Good, <400 EC Fair, <600 EC Poor, >600 EC Degraded

Note: results with \* indicate <5 data sets used for interpretation.

Site code	Site Description	TURBIDITY MEDIANS (NTU)		
		2005	2006	2007
KILO14	Kilmore Ck, back of supermarket, south of drain	-	1751	1973
KILO15	Kilmore Ck, back of supermarket, north of drain	-	1766	1840
KILO16	Kilmore Ck on Northern Hwy – East side Chinaman’s bridge	-	1660	1783
KILO17	Kilmore Ck North of Willowmavin Rd Bridge	-	1631	1705
KILO18	Kilmore Ck in Costelloes Rd U/S of WWMF	1172*	-	1630
KILO19	Kilmore Ck near Boundary Rd D/S of WWMF	-	-	1400
KILO20	Kilmore Ck at Northern Hwy	-	-	1410

Table 2 continued

Rating: Conductivity for the Valleys –

<80 EC Excellent, <240 EC Good, <400 EC Fair, <600 EC Poor, >600 EC Degraded

Note: results with \* indicate <5 data sets used for interpretation.

Table 2 above and Figure 3 below show that all sites and tributaries of the Kilmore Creek that have been monitored during this project rated as "Degraded" for Electrical Conductivity (Salinity). This is disappointing, but fits with what we have found in surrounding areas of the Goulburn River Catchment. The two dams are the only sites with combined medians that do not fall within the "Degraded" rating.

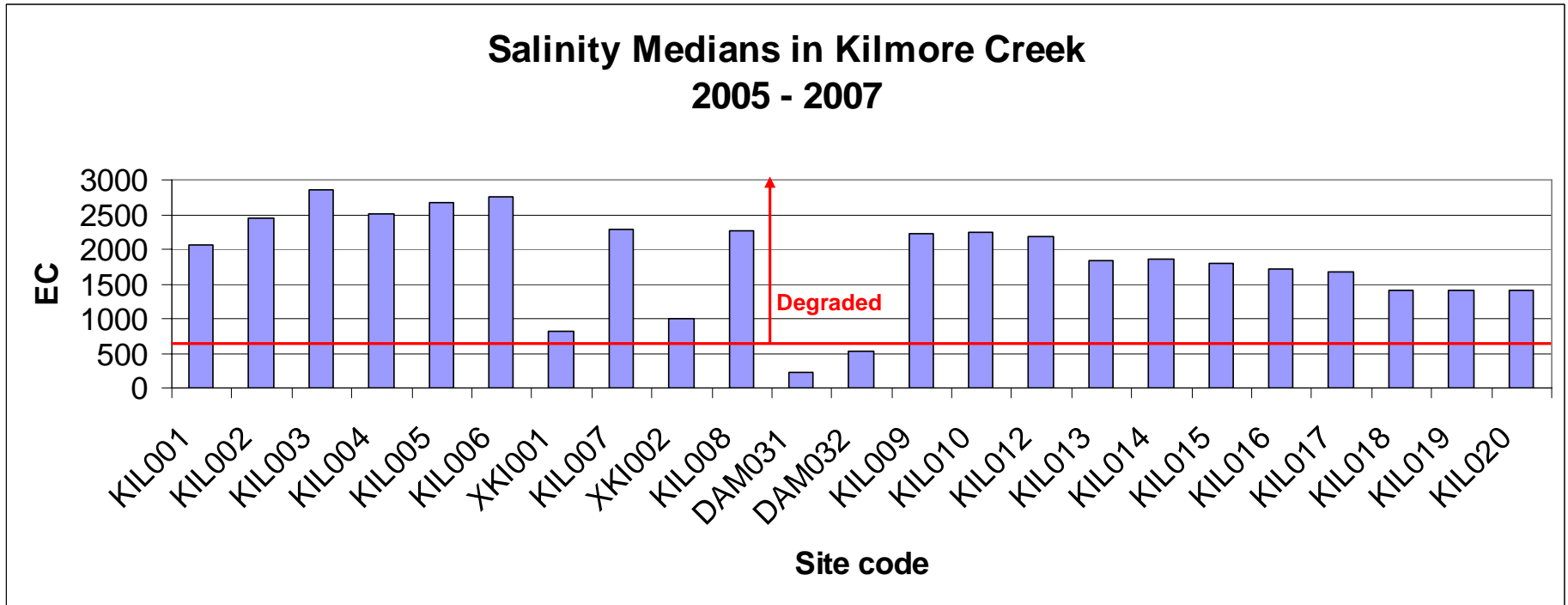


Figure 3

Figure 4 below, showing results for 2007 only, mirrors the overall medians for 2005 to 2007. It can be seen that salinity levels are higher in the uppermost part of the Kilmore Creek, with results becoming lower the further downstream the creek moves. This is interesting, as in general, salinity levels would be expected to rise as a waterway moves downstream through a catchment. Salinity levels will decrease with dilution, so maybe there is water with a lower concentration of salinity entering along Kilmore Creek, therefore diluting what is already in the creek.

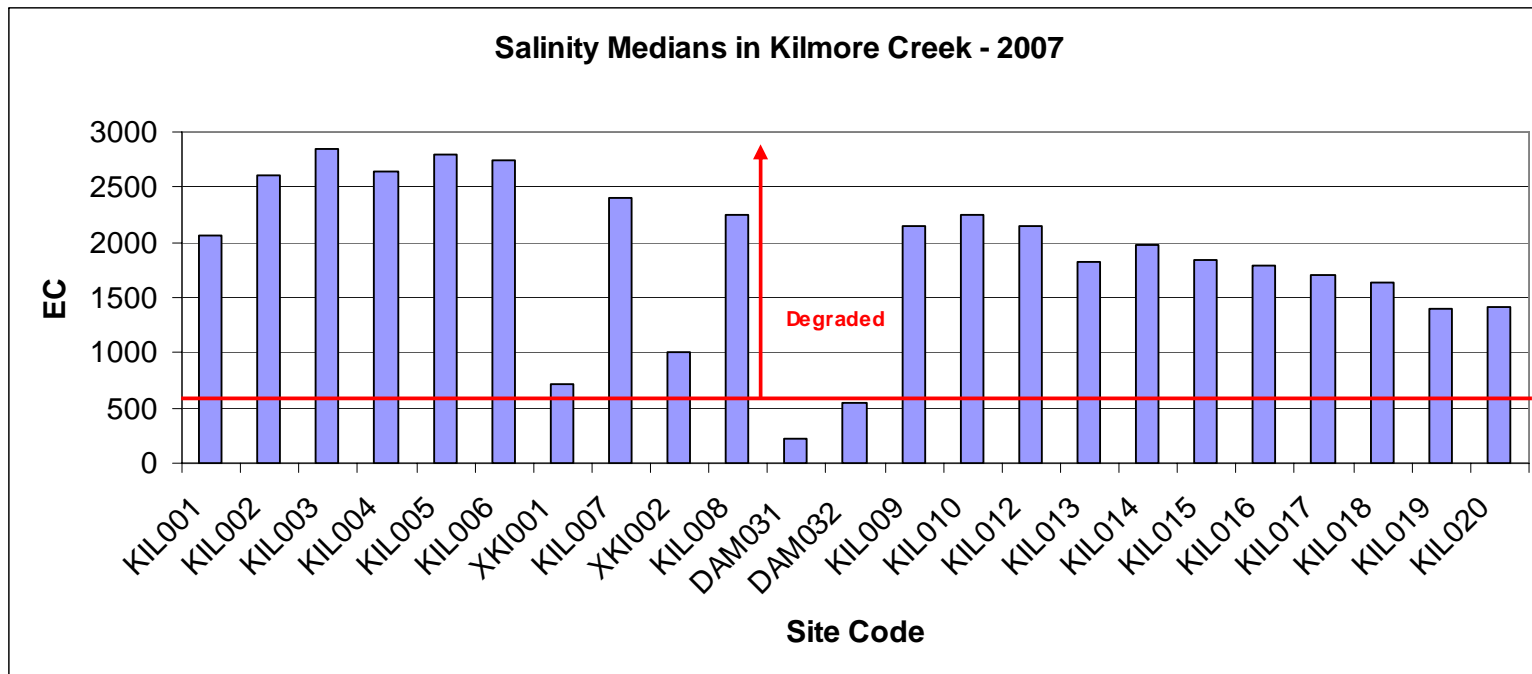


Figure 4

### SEPP Compliance

The State Environment Protection Policy (SEPP) Waters of Victoria (WoV) water quality objectives identify the 'ideal' result range for environmental data at a particular location in a waterway. If a site fails a SEPP objective for one parameter, it indicates a possible problem for the whole system, not just for the one parameter and not just for the one site). It is recommended that an ecological risk assessment (ERA) be undertaken to determine if there is a risk to the values (or "beneficial uses") associated with that stream.

Basically, any set of results that fails the objective is a red flag to look more closely at what's going on. This differs from aiming for a particular turbidity or total phosphorus result, as an ERA may determine that it is acceptable to exceed the SEPP objectives for some parameters depending on the use/value of the waterway.

### SEPP (WoV) Environmental Quality Objectives for Rivers and Streams – water quality

Colours highlight the SEPP (WoV) segments and objectives applicable within the Goulburn Broken CMA region.

SEGMENT	INDICATOR						
	Total phosphorus (ug/L)	Dissolved oxygen % saturation		Turbidity (NTU)	Electrical conductivity (uS/CM)	pH (pH units)	
	75 <sup>th</sup> percentile	25 <sup>th</sup> percentile	maximum	75 <sup>th</sup> percentile	75 <sup>th</sup> percentile	25 <sup>th</sup> percentile	75 <sup>th</sup> percentile
• mid-reaches of Ovens, Goulburn and Broken catchments	≤25	≥85	110	≤10	≤500	≥6.4	≤7.7

Table 3

**Note:** SEPP objectives are long term theoretical goals for water quality. It is not expected that waterways will comply at this stage

2007 results in Kilmore Creek compared to SEPP objectives above – water quality

SEGMENT	INDICATOR						
	Total phosphorus (ug/L)	Dissolved oxygen % saturation		Turbidity (NTU)	Electrical conductivity (uS/CM)	pH (pH units)	
	75 <sup>th</sup> percentile	25 <sup>th</sup> percentile	maximum	75 <sup>th</sup> percentile	75 <sup>th</sup> percentile	25 <sup>th</sup> percentile	75 <sup>th</sup> percentile
KIL001 Kilmore Creek, 50m East of sewer pipe over Creek				20	2400		
KIL002 Kilmore Creek 5 m east of sewer pipe over creek				43	2750		
KIL003 Northern side of Kilmore Ck below Eucalyptus ovata				-	3650*		
KIL004 Kilmore Ck 5m west of sewer pipe over Creek				35	3235		
KIL005 Kilmore Ck adjacent to eastern end of drainage lagoon				20	3320		
KIL006 Kilmore Ck 26 m east of water pipe over creek				30	2968		
XKI001 Kilmore Ck – crossing at Tootle St				30	1028		
KIL007 Kilmore Creek at the end of Green St bridge				15	2400		
XKI002 Unnamed Ck in Kilmore Ck system, SW anabranch				18	1240		
KIL008 Kilmore Creek at bridge, Allen St				12	2400		
DAM031 Golf Club Dam in Monument Hill Reserve				100	316		
DAM032 Kilmore Res opposite the Kilmore Hospital				18	640		
KIL009 Kilmore Ck at bridge, Rutledge St				9.5	2360		

Table 4

SEGMENT	INDICATOR						
	Total phosphorus (ug/L)	Dissolved oxygen % saturation		Turbidity (NTU)	Electrical conductivity (uS/CM)	pH (pH units)	
	75 <sup>th</sup> percentile	25 <sup>th</sup> percentile	maximum	75 <sup>th</sup> percentile	75 <sup>th</sup> percentile	25 <sup>th</sup> percentile	75 <sup>th</sup> percentile
<b>KIL010 Kilmore Ck north of entry from res bridge Rutledge St</b>				25	2368		
<b>KIL012 Waterhole parking area, Ryans Road</b>				30	2275		
<b>KIL013 Hudson Park Weir East Side</b>				26	2200		
<b>KIL014 Kilmore Ck, back of supermarket, south of drain</b>				12	2235		
<b>KIL015 Kilmore Ck, back of supermarket, north of drain</b>				10	2200		
<b>KIL016 Kilmore Ck on Northern Hwy – East side Chinaman’s bridge</b>				8	2150		
<b>KIL017 Kilmore Ck North of Willowmavin Rd Bridge</b>				26	2000		
<b>KIL018 Kilmore Ck in Costelloes Rd U/S of WWMF</b>				12	1895		
<b>KIL019 Kilmore Ck near Boundary Rd D/S of WWMF</b>				12	1730		
<b>KIL020 Kilmore Ck at Northern Hwy</b>				11	1710		

**Table 4 continued**

Three quarters of the readings taken should fall below the 75<sup>th</sup> percentile. With the exception of two sites, all sites monitored fall outside the 75<sup>th</sup> percentile objective for turbidity. Salinity results for Kilmore Creek all exceed the SEPP objectives. It must be noted that SEPP objectives are long term theoretical goals for water quality. It is not expected that waterways will comply at this stage.

## General Comments for Kilmore Creek

With all sites in the mid catchment it could be expected that results would generally be good. In the case of the Kilmore Creek we found:

- a) Turbidity was generally reasonably good. It did, however, fall above the SEPP objectives in most cases. It must be remembered these are long term theoretical goals, and it is not expected waterways will meet them at this stage.
- b) Salinity was high at all sites monitored on the Kilmore Creek, as seems characteristic of this whole region. All sites exceeded the SEPP objective for a waterway in this part of the catchment.

Continued monitoring of Kilmore Creek is encouraged to continue in 2008, as these results provide excellent baseline data for use by numerous authorities in the industry. Similar sampling sites are recommended for 2008.

Electrical conductivity results from this monitoring program are being forwarded to the Commonwealth Bureau of Rural Sciences for inclusion in the two year Community Stream Sampling Program.

These results have so far been distributed to

- Goulburn Broken Catchment Management Authority
- Waterwatch State Office
- Goulburn-Murray Water
- Bureau of Rural Science

## Chemical Test Ratings

The figures below are a guide for each of the water quality tests to help you interpret your results in terms of water quality.

*Index of Stream Conditions (ISC) Ratings for each of the parameters.*

<b>Parameter</b>	<b>Excellent</b>	<b>Good</b>	<b>Fair</b>	<b>Poor</b>	<b>Degraded</b>
Conductivity (uS/cm EC) mountain	<30	<90	<150	<225	>225
Conductivity (uS/cm EC) valley	<80	<240	<400	<600	>600
Conductivity (uS/cm EC) plain	<100	<250	<500	<750	>750
Turbidity (NTU) mountain	<5.0	<7.5	<10	<12.5	>12.5
Turbidity (NTU) valley	<10	<12.5	<15	<22.5	>22.5
Turbidity (NTU) plain	<15	<17.5	<20	<30	>30
pH	6.0 - 7.5	5.5 - 6 or <8.5	8.0 - 8.5	5.0 - 5.5 or 8.5 - 9.0	< 5.0 or > 9.0
Reactive Phosphorus (mg/L)	< 0.008	< 0.02	< 0.04	< 0.08	> 0.08
Total Phosphorus (mg/L)	< 0.01	< 0.025	< 0.05	< 0.10	> 0.10
Nitrates (mg/L)	< 0.05	< 0.1	< 0.2	< 0.4	> 0.4

## Appendix B

### Kilmore Creek Raw Data

For Samples from 01 Jan 2005 to 18 Jul 2008

**SiteNo:** DAM031    **Golf Club Dam in the Monument Hill Reserve**

			<u>Parameters:</u>								
<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
25-Jan-07	11:00 AM	Grab	24.4	35	392			0			
03-Mar-07	1:30 PM	Grab	25.8	10	462			0			0
21-May-07	10:00 AM	Grab	12.2	150	240			8.75			0
25-Jun-07	2:15 PM	Grab	10.5	100	230			0			0
05-Aug-07	3:15 PM	Grab	12.0	100	170			2.5			0
31-Aug-07	4:35 PM	Grab	12.0	90	190			0			0
03-Nov-07	4:15 PM	Grab	19.2	50	220			6.25			0
11-Feb-08	6:25 PM	Grab	24.2	100	190			0			stag
30-Apr-08	2:20 PM	Grab	12.0	100	250			2.5			stagna
27-Jun-08	3:25 PM	Grab	13.3	150	210			0			0

**SiteNo:** DAM032    **Kilmore Res opposite the Kilmore Hospital**

			<u>Parameters:</u>								
<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
25-Jan-07	10:50 AM	Grab	24.4	8	670			0			
03-Mar-07	2:30 PM	Grab	26.9	15	755			0			0
21-May-07	10:20 AM	Grab	12.2	35	610			8.75			0
25-Jun-07	2:30 PM	Grab	8.6	20	540			0			0
05-Aug-07	3:00 PM	Grab	10.6	12	460			2.5			0
31-Aug-07	4:30 PM	Grab	12.9	8	500			0			0
03-Nov-07	4:10 PM	Grab	19.8	15	520			6.25			0
11-Feb-08	6:20 PM	Grab	23.6	10	430			0			stag
30-Apr-08	2:10 PM	Grab	13.5	8	380			2.5			stagna
02-Jun-08	3:30 PM	Grab	12.9	8	360			0			0
27-Jun-08	3:15 PM	Grab	13.0	8	340			0			0

## Waterwatch Victoria Application (WVA) - Site Report

**SiteNo:** KIL001 Kilmore Creek, 50m east of sewer pipe over creek

			<u>Parameters:</u>								
<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
07-Aug-05	4:30 PM	Grab	8.0	8	1082			0			slow
23-Aug-05	6:15 PM	Grab	7.3	80	960			0			slow
21-Oct-05	6:00 PM	Grab	16.6	14	552			45			fast
12-Nov-05	6:00 PM	Grab	18.0	8	1153			0			slow
07-Mar-06	7:30 PM	Grab	19.3	7	2530			0			slow
11-May-06	5:00 PM	Grab	10.3	8	1401			6.25			slow
24-Jul-06	5:15 PM	Grab	13.0	8	2100			0			slow
13-Oct-06	6:30 PM	Grab	13.0	5	2100			0			slow
09-Nov-06	6:00 PM	Grab	14.3	10	2540			0			slow
04-Dec-06	7:00 PM	Grab	16.8	10	2760			0			slow
22-Jan-07	7:20 PM	Grab	20.5	20	3600			0			slow
03-Mar-07	7:30 AM	Grab	23.1	15	1880			0			0
12-Apr-07	8:40 AM	Grab	12.3	<8	2400			0			slow
19-May-07	11:55 AM	Grab	11.0	200	760			28.5			moder
28-Jun-07	4:30 PM	Grab	11.2	150	880			25			mediu
31-Jul-07	9:00 AM	Grab	7.7	8	1340			4			slow
30-Aug-07	5:10 PM	Grab	13.0	6	2600			0			slow
30-Sep-07	8:45 AM	Grab	9.4	5	2400			1			slow
03-Nov-07	3:35 PM	Grab	16.4	6	2200			6.25			slow
31-Dec-07	4:30 PM	Grab	20.3	20	1910			0			slow
23-Jan-08	9:30 AM	Grab	16.8	45	1510			0			slow
03-Mar-08	8:10 AM	Grab	11.8	10	2200			0			stag
04-Apr-08	5:30 PM	Grab	13.4	10	1730			0			slow
30-Apr-08	12:00 PM	Grab	10.5	8	1630			2.5			slow
02-Jun-08	10:00 AM	Grab	9.4	6	1520			0			0
27-Jun-08	11:15 AM	Grab	9.2	6	1640			0			slow

Report Date: 18 Jul 2008Field60

2 of 20 Pages.

# Waterwatch Victoria Application (WVA) - Site Report

**SiteNo:** KIL002 Kilmore Creek 5m east of sewer pipe over creek

Parameters:

<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
07-Aug-05	4:35 PM	Grab	8.6	8	1129			0			slow
23-Aug-05	6:10 PM	Grab	7.7	15	1015			0			slow
21-Oct-05	5:55 PM	Grab	16.6	20	564			45			fast
12-Nov-05	6:05 PM	Grab	17.8	15	1256			0			slow
07-Mar-06	7:35 PM	Grab	17.2	8	2660			0			slow
11-May-06	5:05 PM	Grab	9.3	8	1401			6.25			slow
24-Jul-06	5:20 PM	Grab	10.4	8	2250			0			slow
13-Oct-06	6:20 PM	Grab	10.4	7	2250			0			slow
09-Nov-06	6:10 PM	Grab	12.4	10	2755			0			slow
04-Dec-06	7:10 PM	Grab	16.8	11	3110			0			slow
22-Jan-07	7:35 PM	Grab	20.0	15	3800			0			slow
03-Mar-07	7:40 AM	Grab	21.6	20	3030			0			slow
12-Apr-07	8:45 AM	Grab	12.3	<8	2800			0			slow
19-May-07	11:45 AM	Grab	11.5	300	800			28.5			moder
28-Jun-07	4:40 PM	Grab	11.0	100	930			25			mediu
31-Jul-07	9:10 AM	Grab	7.4	9	1410			4			slow
30-Aug-07	5:15 PM	Grab	12.7	6	2600			0			slow
30-Sep-07	8:40 AM	Grab	9.5	8	2600			1			slow
03-Nov-07	3:40 PM	Grab	16.5	7	2200			6.25			slow
31-Dec-07	4:35 PM	Grab	18.7	50	2600			0			slow
23-Jan-08	9:20 AM	Grab	17.0	10	1970			0			slow
03-Mar-08	8:15 AM	Grab	17.0	18	3000			0			stag
04-Apr-08	5:35 PM	Grab	13.3	6	1900			0			slow
30-Apr-08	12:05 PM	Grab	9.3	15	1740			2.5			slow
02-Jun-08	10:05 AM	Grab	9.4	8	1730			0			slow
27-Jun-08	11:25 AM	Grab	10.1	7	1770			0			slow

# Waterwatch Victoria Application (WVA) - Site Report

**SiteNo:** KIL003 **Northern side of Kilmore Creek below eucalyptus ovata**

			<u>Parameters:</u>								
<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
23-Aug-05	6:04 PM	Grab	8.0	80	1660			0			0
21-Oct-05	5:50 PM	Grab	16.6	18	1860			45			steady
12-Nov-05	6:15 PM	Grab	17.4	15	1309			0			0
07-Mar-06	7:35 PM							0			0
11-May-06	5:10 PM	Grab						6.25			0
24-Jul-06	5:22 PM							0			0
13-Oct-06	6:15 PM							0			0
09-Nov-06	6:15 PM							0			0
04-Dec-06	7:11 PM							0			0
03-Mar-07	7:45 AM							0			0
12-Apr-07	8:50 AM							0			0
19-May-07	11:35 AM	Grab	12.4		3100			28.5			0
28-Jun-07	4:45 PM	Grab	11.7		1370			25			slow
31-Jul-07	9:15 AM	Grab	7.6		2600			4			slow
30-Aug-07	5:16 PM							0			0
30-Sep-07	8:36 AM							1			0
03-Nov-07	3:42 PM	Grab	20.1	20	5300			6.25			very
31-Dec-07	4:40 PM							0			dry
23-Jan-08	9:15 AM							0			Dry
03-Mar-08	8:16 AM							0			dry
04-Apr-08	5:40 PM							0			dry
30-Apr-08	12:06 PM							2.5			dry
02-Jun-08	10:06 AM							0			dry
27-Jun-08	11:30 AM							0			dry

Report Date: 18 Jul 2008Field60

4 of 20 Pages.

## Waterwatch Victoria Application (WVA) - Site Report

**SiteNo:** KIL004 **Kilmore Creek 5m west of sewer pipe over creek**

			<u>Parameters:</u>								
<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
07-Aug-05	4:50 PM	Grab	7.9	8	1171			0			slow
23-Aug-05	5:58 PM	Grab	8.4	12	1171			0			slow
21-Oct-05	5:45 PM	Grab	16.8	20	507			45			fast
12-Nov-05	6:20 PM	Grab	16.4	12	1237			0			slow
07-Mar-06	7:40 PM	Grab	16.4	50	2710			0			slow
11-May-06	5:11 PM	Grab	9.1	400	1592			6.25			slow
24-Jul-06	5:25 PM	Grab	9.2	8	2320			0			slow
13-Oct-06	6:10 PM	Grab	9.2	7	2320			0			slow
09-Nov-06	6:20 PM	Grab	14.3	10	2830			0			slow
04-Dec-06	7:15 PM	Grab	16.6	12	3200			0			slow
22-Jan-07	7:45 PM	Grab	20.1	12	3800			0			slow
03-Mar-07	7:50 AM	Grab	21.8	20	3380			0			slow
12-Apr-07	8:55 AM	Grab	12.2	<8	3400			0			slow
19-May-07	11:20 AM	Grab	11.6	60	880			28.5			moder
28-Jun-07	4:50 PM	Grab	12.6	100	880			25			mediu
31-Jul-07	9:20 AM	Grab	7.2	40	1450			4			slow
30-Aug-07	5:20 PM	Grab	13.1	8	2700			0			slow
30-Sep-07	8:35 AM	Grab	9.6	8	2600			1			slow
03-Nov-07	3:45 PM	Grab	16.7	8	2300			6.25			slow
31-Dec-07	4:41 PM	Grab	20.1	20	2800			0			slow
23-Jan-08	9:10 AM	Grab	17.9	15	2200			0			slow
03-Mar-08	8:20 AM	Grab	11.1	20	3200			0			stag
04-Apr-08	5:45 PM	Grab	12.7	20	2000			0			slow
30-Apr-08	12:10 PM	Grab	8.3	8	1930			2.5			slow
02-Jun-08	10:10 AM	Grab	9.4	8	1860			0			slow
27-Jun-08	11:35 AM	Grab	7.8	9	1950			0			slow

**SiteNo:** KIL005 **Kilmore Creek adjacent to eastern end of drainage lagoon**

			<u>Parameters:</u>								
<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
07-Aug-05	4:55 PM	Grab	8.5	8	1215			0			slow
23-Aug-05	5:51 PM	Grab	7.7	10	1021			0			slow

Report Date: 18 Jul 2008Field60

5 of 20 Pages.

## Waterwatch Victoria Application (WVA) - Site Report

### Parameters:

<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
21-Oct-05	5:40 PM	Grab	16.5	17	586			45			fast
12-Nov-05	6:25 PM	Grab	17.2	10	1329			0			slow
07-Mar-06	7:45 PM	Grab	15.7	8	3060			0			slow
11-May-06	5:15 PM	Grab	8.6	100	1601			6.25			slow
24-Jul-06	5:35 PM	Grab	8.5	8	2440			0			slow
13-Oct-06	6:00 PM	Grab	8.5	5	2440			0			slow
09-Nov-06	6:30 PM	Grab	12.8	10	2910			0			slow
04-Dec-06	7:25 PM	Grab	16.9	13	3440			0			slow
22-Jan-07	7:55 PM	Grab	19.9	15	4200			0			slow
20-Feb-07	11:05 AM							0			0
03-Mar-07	7:55 AM	Grab	21.5	20	3320			0			slow
12-Apr-07	9:05 AM	Grab	11.8	<8	3600			0			slow
19-May-07	11:10 AM	Grab	11.5	70	820			28.5			moder
28-Jun-07	5:00 PM	Grab	13.1	90	900			25			mediu
31-Jul-07	9:25 AM	Grab	7.2	10	1520			4			slow
30-Aug-07	5:25 PM	Grab	12.2	15	2800			0			slow
03-Nov-07	3:47 PM	Grab	16.9	10	2400			6.25			slow
31-Dec-07	4:20 PM	Grab	23.1	15	2800			0			slow
23-Jan-08	8:53 AM	Grab	17.3	40	2100			0			slow
03-Mar-08	8:25 AM	Grab	11.4	8	3300			0			slow
04-Apr-08	5:50 PM	Grab	13.1	9	2100			0			0
30-Apr-08	12:15 PM	Grab	8.3	8	1990			2.5			slow
02-Jun-08	10:15 AM	Grab	10.3	10	2000			0			slow
27-Jun-08	11:40 AM	Grab	8	8	2100			0			slow

**SiteNo:** KIL006 Kilmore Creek 26m east of water pipe over creek

### Parameters:

<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
07-Aug-05	5:00 PM	Grab	8.8	8	1265			0			slow
23-Aug-05	5:40 PM	Grab	8.2	10	1010			0			slow
21-Oct-05	5:35 PM	Grab	16.5	15	588			45			fast
12-Nov-05	6:35 PM	Grab	17.4	15	1372			0			slow

Report Date: 18 Jul 2008Field60

6 of 20 Pages.

## Waterwatch Victoria Application (WVA) - Site Report

### Parameters:

<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
07-Mar-06	7:50 PM	Grab	15.5	90	3070			0			slow
11-May-06	5:20 PM	Grab	8.5	10	1628			6.25			slow
24-Jul-06	5:40 PM	Grab	8.2	8	2460			0			0
13-Oct-06	5:50 PM	Grab	8.2	5	2460			0			slow
09-Nov-06	6:40 PM	Grab	13.8	5	3110			0			slow
04-Dec-06	7:35 PM	Grab	17.6	5	3580			0			slow
22-Jan-07	8:05 PM	Grab	20.3	5	3900			0			slow
03-Mar-07	8:05 AM	Grab	21.1	20	2990			0			slow
12-Apr-07	9:10 AM	Grab	12.2	30	3600			0			slow
19-May-07	11:00 AM	Grab	12.6	60	850			28.5			moder
28-Jun-07	5:10 PM	Grab	12.6	100	970			25			mediu
31-Jul-07	9:30 AM	Grab	7.3	10	1650			4			slow
30-Aug-07	5:30 PM	Grab	12.1	15	2900			0			slow
30-Sep-07	8:25 AM	Grab	9.9	5	2800			1			slow
03-Nov-07	3:50 PM	Grab	16.9	8	2600			6.25			slow
31-Dec-07	4:25 PM	Grab	23.8	30	2700			0			slow
23-Jan-08	8:45 AM	Grab	17.8	20	1810			0			slow
03-Mar-08	8:30 AM	Grab	11.3	15	3500			0			slow
04-Apr-08	5:55 AM	Grab	13.6	5	2100			0			0
30-Apr-08	12:20 PM	Grab	8.4	8	1890			2.5			slow
02-Jun-08	10:20 AM	Grab	10.5	9	2000			0			slow
27-Jun-08	11:45 AM	Grab	8	10	2200			0			slow

**SiteNo:** KIL007      **Kilmore Creek at the end Green St Bridge**

### Parameters:

<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
21-Oct-05	5:30 PM	Grab	16.4	17	582			45			fast
12-Nov-05	6:45 PM	Grab	18.3	17	1492			0			slow
07-Mar-06	7:55 PM	Grab	15.3	15	2270			0			slow
11-May-06	5:25 PM	Grab	8.4	8	1770			6.25			slow
24-Jul-06	5:50 PM	Grab	8.0	8	2170			0			slow
13-Oct-06	5:30 PM	Grab	8.0	3	2170			0			slow

Report Date: 18 Jul 2008Field60

7 of 20 Pages.

## Waterwatch Victoria Application (WVA) - Site Report

### Parameters:

<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
09-Nov-06	6:50 PM	Grab	12.6	3	2210			0			slow
04-Dec-06	7:45 PM	Grab	16.5	2	2260			0			slow
22-Jan-07	8:15 PM	Grab	19.7	17	2400			0			slow
03-Mar-07	8:15 AM	Grab	21.8	10	2410			0			slow
12-Apr-07	8:35 AM	Grab	12.8	<8	2400			0			slow
19-May-07	3:05 PM	Grab	11.7	20	960			28.5			moder
25-Jun-07	2:55 PM	Grab	8.1	8	1940			0			slow
30-Jul-07	4:15 PM	Grab	10.0	23	1610			4			slow
30-Aug-07	5:40 PM	Grab	11.8	10	2400			0			slow
30-Sep-07	8:20 AM	Grab	9.7	5	2400			1			slow
03-Nov-07	3:52 PM	Grab	16.3	10	2400			6.25			slow
31-Dec-07	4:15 PM	Grab	21.9	8	2100			0			slow
23-Jan-08	8:40 AM	Grab	16.5	8	2000			0			slow
03-Mar-08	8:40 AM	Grab	11.7	5	2200			0			slow
04-Apr-08	6:05 PM	Grab	13.4	8	2200			0			0
30-Apr-08	12:25 PM	Grab	9.5	5	2000			2.5			slow
02-Jun-08	3:10 PM	Grab	9.6	4	2400			0			slow
27-Jun-08	11:10 AM	Grab	9.4	5	2000			0			slow

**SiteNo:** KIL008      **Kilmore Creek at bridge at Allen St**

### Parameters:

<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
19-Aug-05	12:40 PM	Grab	11.9	12	1094			0			slow
20-Oct-05	9:30 AM	Grab	16.1	30	866			23			steady
17-Nov-05	11:05 AM	Grab	17.3	8	1435			0			slow
01-Mar-06	6:30 PM	Grab	18.1	10	2150			0			slow
10-May-06	4:30 PM	Grab	13.0	8	1742			6.25			slow
25-Jul-06	3:55 PM	Grab	11.5	8	2180			0			slow
13-Oct-06	11:00 AM	Grab	23.3	7	2490			0			slow
09-Nov-06	5:10 PM	Grab	20.9	7	2410			0			slow
05-Dec-06	1:00 PM	Grab	24.8	5	2380			0			slow
25-Jan-07	8:40 AM	Grab	23.4	10	2410			0			slow

Report Date: 18 Jul 2008Field60

8 of 20 Pages.

## Waterwatch Victoria Application (WVA) - Site Report

### Parameters:

<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
03-Mar-07	11:05 AM	Grab	21.7	<8	2440			0			slow
12-Apr-07	9:15 AM	Grab	13.4	<8	2300			0			slow
19-May-07	3:10 PM	Grab	12.2	20	900			28.5			moder
25-Jun-07	2:35 PM	Grab	8.4	12	1930			0			mediu
30-Jul-07	4:00 PM	Grab	9.8	9	1670			4			mediu
31-Aug-07	8:20 AM	Grab	10.3	2	2400			0			slow
30-Sep-07	5:30 PM	Grab	12.1	3	2400			1			slow
03-Nov-07	3:30 PM	Grab	15.5	12	2200			6.25			slow
31-Dec-07	3:50 PM	Grab	22.6	30	2200			0			slow
26-Jan-08	7:20 PM	Grab	22.7	7	1910			5			slow
03-Mar-08	5:20 PM	Grab	18.0	5	2200			0			slow
04-Apr-08	6:30 PM	Grab	14.3	6	2100			0			slow
30-Apr-08	12:35 PM	Grab	9.6	5	2100			2.5			slow
02-Jun-08	2:50 PM	Grab	10.2	4	2400			0			slow
27-Jun-08	10:50 AM	Grab	10.8	20	2000			0			slow

**SiteNo:** KIL009      **Kilmore Creek at Bridge in Rutledge St**

### Parameters:

<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
19-Aug-05	12:30 PM	Grab	11.4	8	1110			0			slow
13-Nov-05	5:55 PM	Grab	11.8	8	1521			0			slow
01-Mar-06	5:05 PM	Grab	23.1	8	2030			0			slow
12-May-06	4:22 PM	Grab	11.3	8	1747			0			slow
25-Jul-06	3:47 PM	Grab	11.3	8	2120			0			
13-Oct-06	3:00 PM	Grab	24.7	5	3690			0			slow
09-Nov-06	4:00 PM	Grab	24.6	5	3326			0			slow
05-Dec-06	12:40 PM	Grab	25.3	5	2510			0			slow
25-Jan-07	8:45 AM	Grab	23.6	20	2380			0			slow
03-Mar-07	1:10 PM	Grab	24.2	10	2530			0			slow
12-Apr-07	9:30 AM	Grab	13.5	<8	2300			0			slow
19-May-07	3:30 PM	Grab	12.0	30	840			28.5			moder
25-Jun-07	12:50 PM	Grab	7.6	8	1850			0			mediu

Report Date: 18 Jul 2008Field60

9 of 20 Pages.

## Waterwatch Victoria Application (WVA) - Site Report

### Parameters:

<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
31-Jul-07	3:30 PM	Grab	9.2	8	1510			4			slow
31-Aug-07	8:36 AM	Grab	10.4	8	1980			0			slow
01-Oct-07	12:00 PM	Grab	16.0	5	2300			1			slow
03-Nov-07	3:25 PM	Grab	16.9	6	2700			6.25			slow
31-Dec-07	3:40 PM	Grab	27.3	8	1970			0			slow
26-Jan-08	7:10 PM	Grab	23.4	12	1510			5			slow
03-Mar-08	5:10 PM	Grab	20.4	8	2300			0			slow
10-Apr-08	3:40 PM	Grab	17.4	9	2200			0			slow
30-Apr-08	12:40 PM	Grab	9.2	5	2000			2.5			mediu
02-Jun-08	2:40 PM	Grab	10.6	8	2300			0			slow
27-Jun-08	10:40 AM	Grab	8.3	6	1900			0			slow

**SiteNo:** KIL010      **Kilmore Creek north of entry from res Bridge Rutledge St**

### Parameters:

<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
19-Aug-05	12:25 PM	Grab	11.4	8	1098			0			slow
13-Nov-05	6:00 PM	Grab	11.5	8	1396			0			slow
01-Mar-06	5:20 PM	Grab	23.0	30	2040			0			slow
12-May-06	4:27 PM	Grab	10.0	8	1807			0			slow
25-Jul-06	3:45 PM	Grab	12.0	8	2090			0			slow
13-Oct-06	2:50 PM	Grab	22.1	5	3790			0			slow
09-Nov-06	4:05 PM	Grab	24.4	10	2786			0			slow
05-Dec-06	12:43 PM	Grab	24.6	15	2410			0			slow
25-Jan-07	8:50 AM	Grab	22.7	25	2390			0			slow
03-Mar-07	1:00 PM	Grab	24.7	15	2450			0			slow
12-Apr-07	9:35 AM	Grab	13.2	<8	2300			0			slow
19-May-07	3:20 PM	Grab	11.9	30	860			28.5			moder
25-Jun-07	12:45 PM	Grab	9.1	15	1780			0			mediu
31-Jul-07	3:35 PM	Grab	9.0	80	1510			4			slow
31-Aug-07	8:40 AM	Grab	10.1	10	2200			0			slow
01-Oct-07	12:05 PM	Grab	14.4	8	2300			1			slow
03-Nov-07	3:20 PM	Grab	16.4	8	2600			6.25			slow

Report Date: 18 Jul 2008Field60

10 of 20 Pages.

## Waterwatch Victoria Application (WVA) - Site Report

### Parameters:

<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
31-Dec-07	3:35 PM	Grab	24.8	25	2100			0			slow
26-Jan-08	7:00 PM	Grab	24.4	15	1580			5			slow
03-Mar-08	5:05 PM	Grab	19.8	6	2200			0			slow
10-Apr-08	3:35 PM	Grab	17.0	6	2200			0			slow
30-Apr-08	12:42 PM	Grab	8.4	5	1900			2.5			slow
02-Jun-08	2:35 PM	Grab	10.3	8	2300			0			slow
27-Jun-08	10:30 AM	Grab	8.5	6	1890			0			slow

**SiteNo:** KIL011      **Res outlet below Ryans Rd**

### Parameters:

<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
19-Aug-05	12:20 PM	Grab	12.7	8	324			0			0
13-Nov-05	5:50 PM	Grab	11.5	8	347			0			slow
12-May-06	4:20 PM							0			0
25-Jul-06	3:40 PM							0			0
13-Oct-06	2:45 PM							0			0
09-Nov-06	4:06 PM							0			0
05-Dec-06	12:41 PM							0			0
12-Apr-07	9:40 AM							0			dry
19-May-07	3:25 PM	Grab	11.9	30	950			28.5			0
25-Jun-07	12:40 PM	Grab	9.5	30	1210			0			0
31-Jul-07	3:40 PM	Grab	8.9	8	630			4			slow
31-Aug-07	8:39 AM							0			dry
01-Oct-07	12:07 PM							1			dry
03-Nov-07	3:19 PM							6.25			dry
31-Dec-07	3:36 PM							0			dry
26-Jan-08	7:05 PM							5			Dry
03-Mar-08	5:00 PM							0			dry
10-Apr-08	3:30 PM							0			dry
30-Apr-08	12:45 PM							2.5			dry
02-Jun-08	2:30 PM							0			dry
27-Jun-08	10:20 AM							0			dry

Report Date: 18 Jul 2008Field60

11 of 20 Pages.

## Waterwatch Victoria Application (WVA) - Site Report

**SiteNo:** KIL012      **Waterhole parking area Ryans Rd**

Parameters:

<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
19-Aug-05	12:15 PM	Grab	12.6	8	1056			0			slow
20-Oct-05	10:30 AM	Grab	15.6	20	551			23			steady
13-Nov-05	6:05 PM	Grab	11.5	17	1294			0			slow
01-Mar-06	5:30 PM	Grab	24.5	20	1840			0			slow
12-May-06	4:30 PM	Grab	10.2	18	1732			0			slow
25-Jul-06	3:35 PM	Grab	12.3	12	1988			0			slow
13-Oct-06	3:55 PM	Grab	26.4	10	3650			0			slow
09-Nov-06	4:15 PM	Grab	25.4	10	3010			0			slow
05-Dec-06	12:35 PM	Grab	25.2	12	2470			0			slow
25-Jan-07	8:55 AM	Grab	23.3	30	2300			0			0
03-Mar-07	8:55 AM	Grab	24.4	40	2400			0			slow
12-Apr-07	9:50 AM	Grab	13.3	30	2400			0			slow
19-May-07	3:37 PM	Grab	12.8	30	790			28.5			moder
25-Jun-07	12:35 PM	Grab	9.1	8	1580			0			0
31-Jul-07	3:25 PM	Grab	9.7	8	1510			4			slow
31-Aug-07	8:45 AM	Grab	10.1	10	2200			0			very
01-Oct-07	12:15 PM	Grab	17.7	12	2200			1			very
03-Nov-07	3:15 PM	Grab	18.7	8	1970			6.25			slow
19-Dec-07	2:00 PM	Grab	21.1	6	2100			0			slow
26-Jan-08	7:50 PM	Grab	26.8	20	1720			5			slow
03-Mar-08	4:50 PM	Grab	24.2	8	2300			0			slow
10-Apr-08	3:50 PM	Grab	20.3	10	2300			0			slow
30-Apr-08	12:50 PM	Grab	9.2	8	1790			2.5			very
02-Jun-08	2:25 PM	Grab	12.9	8	2200			0			v slow
27-Jun-08	1:40 PM	Grab	11.7	15	1790			0			slow

Report Date: 18 Jul 2008Field60

12 of 20 Pages.

## Waterwatch Victoria Application (WVA) - Site Report

SiteNo: KIL013 Hudson Park Weir East Side

### Parameters:

<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
19-Aug-05	12:10 PM	Grab	13.8	15	856			0			slow
20-Oct-05	10:25 AM	Grab	15.6	17	665			23			steady
13-Nov-05	6:15 PM	Grab	11.7	10	906			0			slow
01-Mar-06	5:40 PM	Grab	22.5	13	1325			0			slow
12-May-06	4:40 PM	Grab	10.3	15	1713			0			slow
25-Jul-06	3:30 PM	Grab	13.2	15	1564			0			0
13-Oct-06	3:15 PM	Grab	24.3	10	3610			0			slow
09-Nov-06	4:25 PM	Grab	24.2	10	2435			0			slow
05-Dec-06	10:25 AM	Grab	24.4	20	2010			0			0
25-Jan-07	9:05 AM	Grab	22.2	30	1695			0			0
03-Mar-07	12:50 PM	Grab	24.2	15	1990			0			slow
12-Apr-07	10:10 AM	Grab	13.8	35	1770			0			slow
19-May-07	3:45 PM	Grab	12.9	150	540			28.5			moder
25-Jun-07	12:30 PM	Grab	7.2	15	1400			0			slow
31-Jul-07	3:15 PM	Grab	10.7	13	1320			4			slow
31-Aug-07	8:50 AM	Grab	10.2	12	2300			0			very
01-Oct-07	12:30 PM	Grab	16.3	20	2100			1			very
03-Nov-07	3:10 PM	Grab	18.8	22	2500			6.25			slow
03-Nov-07	3:05 PM	Grab	18.8	22	2500			6.25			slow
19-Dec-07	2:15 PM	Grab	21.2	15	1820			0			slow
11-Feb-08	5:25 PM	Grab	26.0	20	1140			0			stag
03-Mar-08	4:45 PM	Grab	20.7	50	1960			0			stag
10-Apr-08	4:00 PM	Grab	20.4	10	1840			0			slow
30-Apr-08	12:55 PM	Grab	9.7	12	1980			2.5			very
02-Jun-08	2:15 PM	Grab	12.3	25	1890			0			v slow
27-Jun-08	1:30 PM	Grab	11.4	30	1400			0			slow

Report Date: 18 Jul 2008Field60

13 of 20 Pages.

**Waterwatch Victoria Application (WVA) - Site Report**  
**SiteNo: KIL014 Back of Supermarket, South of drain**

Parameters:

<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
19-Aug-05	12:00 PM	Grab	16.1	19	686			0			slow
20-Oct-05	10:15 AM	Grab	16.0	12	694			23			steady
13-Nov-05	6:20 PM	Grab	11.8	25	954			0			slow
01-Mar-06	5:50 PM	Grab	23.1	5	1570			0			slow
12-May-06	4:50 PM	Grab	10.7	20	1725			0			slow
25-Jul-06	3:20 PM	Grab	11.7	8	1725			0			slow
13-Oct-06	3:25 PM	Grab	22.7	5	3610			0			slow
09-Nov-06	4:35 PM	Grab	23.7	5	2110			0			slow
05-Dec-06	12:30 PM	Grab	25.2	8	1776			0			slow
25-Jan-07	9:10 AM	Grab	21.8	5	2370			0			slow
03-Mar-07	12:40 PM	Grab	24.1	20	1973			0			slow
12-Apr-07	10:25 AM	Grab	13.9	<8	1830			0			slow
19-May-07	4:00 PM	Grab	13.2	80	520			28.5			moder
25-Jun-07	12:20 PM	Grab	7.1	6	1450			0			mediu
30-Jul-07	5:45 PM	Grab	10.8	11	1180			4			slow
31-Aug-07	9:00 AM	Grab	11.3	8	2100			0			slow
01-Oct-07	12:40 PM	Grab	15.7	7	2000			1			slow
03-Nov-07	3:03 PM	Grab	16.6	8	2400			6.25			slow
03-Nov-07	3:05 PM	Grab	16.6	8	2400			6.25			slow
19-Dec-07	2:30 PM	Grab	21	12	1670			0			slow
11-Feb-08	5:30 PM	Grab	21.4	8	1300			0			slow
03-Mar-08	4:35 PM	Grab	21.4	8	2000			0			slow
10-Apr-08	4:10 PM	Grab	18.2	18	1780			0			slow
30-Apr-08	1:05 PM	Grab	10.4	6	1870			2.5			very
02-Jun-08	2:05 PM	Grab	11.4	30	1720			0			v slow
27-Jun-08	1:20 PM	Grab	11.2	15	1480			0			slow

Report Date: 18 Jul 2008Field60

14 of 20 Pages.

**Waterwatch Victoria Application (WVA) - Site Report**  
**SiteNo: KIL015 Back of Supermarket, North of Drain**

Parameters:

<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
20-Oct-05	10:20 AM	Grab	15.8	17	690			23			steady
13-Nov-05	6:25 PM	Grab	12.2	10	989			0			slow
01-Mar-06	5:55 PM	Grab	23.1	5	1600			0			slow
12-May-06	4:55 PM	Grab	10.1	20	1726			0			slow
25-Jul-06	3:15 PM	Grab	12.0	8	1726			0			slow
13-Oct-06	3:30 PM	Grab	22.0	7	2110			0			slow
09-Nov-06	4:40 PM	Grab	22.9	20	2239			0			slow
05-Dec-06	12:25 PM	Grab	24.9	30	1805			0			slow
25-Jan-07	9:15 AM	Grab	22.3	8	2360			0			slow
03-Mar-07	12:35 PM	Grab	24.0	<8	1840			0			slow
12-Apr-07	10:30 AM	Grab	13.7	<8	1840			0			slow
19-May-07	4:05 PM	Grab	12.2	150	540			28.5			moder
25-Jun-07	12:18 PM	Grab	8.2	10	1440			0			mediu
30-Jul-07	5:40 PM	Grab	11.0	10	1160			4			slow
31-Aug-07	9:05 AM	Grab	11.1	10	2200			0			slow
01-Oct-07	12:45 PM	Grab	15.2	5	2200			1			slow
03-Nov-07	3:00 PM	Grab	17.4	10	2400			6.25			slow
19-Dec-07	2:35 PM	Grab	21	6	1560			0			slow
11-Feb-08	5:32 PM	Grab	21.1	8	1300			0			slow
03-Mar-08	4:30 PM	Grab	20.2	5	2100			0			slow
10-Apr-08	4:15 PM	Grab	17.3	150	1780			0			slow
30-Apr-08	1:10 PM	Grab	10.3	8	1800			2.5			very
02-Jun-08	2:00 PM	Grab	11.5	25	1760			0			v slow
27-Jun-08	1:15 PM	Grab	12.4	15	1450			0			slow

Report Date: 18 Jul 2008Field60

15 of 20 Pages.

## Waterwatch Victoria Application (WVA) - Site Report

**SiteNo:** KIL016 **Kimore Crk on Nrthn Hwy - East side of Chinaman's Bridge**

<u>Parameters:</u>			Temp	Turb	EC	% O2 Sat	TPhos	Rainfall	pH	DO	Flow
<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	° C	NTU	µS/cm		mg/L P	mm	pH Units	mg/L	ML/day
20-Oct-05	10:10 AM	Grab	15.7	12	735			23			steady
13-Nov-05	6:35 PM	Grab	13.0	25	959			0			slow
01-Mar-06	6:10 PM	Grab	22.8	8	1584			0			slow
11-May-06	3:10 PM	Grab	10.0	20	855			6.25			slow
25-Jul-06	3:10 PM	Grab	13.0	8	855			0			slow
13-Oct-06	3:45 PM	Grab	22.0	5	3540			0			slow
09-Nov-06	4:55 PM	Grab	23.0	5	2145			0			slow
05-Dec-06	12:15 PM	Grab	24.9	5	1735			0			slow
25-Jan-07	10:45 AM	Grab	22.0	5	2320			0			slow
03-Mar-07	12:25 PM	Grab	24.1	<8	1826			0			slow
12-Apr-07	11:25 AM	Grab	13.4	<8	1740			0			slow
21-May-07	10:45 AM	Grab	11.9	150	410			8.75			moder
25-Jun-07	12:15 PM	Grab	7.5	6	1440			0			mediu
30-Jul-07	4:40 PM	Grab	10.8	13	1030			4			slow
31-Aug-07	9:10 AM	Grab	10.6	6	2200			0			slow
01-Oct-07	12:55 PM	Grab	15.6	5	2000			1			slow
03-Nov-07	2:20 PM	Grab	15.8	4	2200			6.25			moder
28-Nov-07	1:25 PM	Grab	19.7	7	1520			0			slow
11-Feb-08	5:40 PM	Grab	21.3	6	1320			0			slow
05-Mar-08	10:15 AM	Grab	16.0	5	1960			0			slow
10-Apr-08	4:25 PM	Grab	18.1	5	1730			0			slow
30-Apr-08	1:15 PM	Grab	9.7	6	1810			2.5			very
02-Jun-08	1:30 PM	Grab	12.5	5	1870			0			v slow
27-Jun-08	12:10 PM	Grab	9.6	6	1430			0			slow

**SiteNo:** KIL017 **Kilmore creek North of Willowmavin Rd Bridge**

<u>Parameters:</u>			Temp	Turb	EC	% O2 Sat	TPhos	Rainfall	pH	DO	Flow
<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	° C	NTU	µS/cm		mg/L P	mm	pH Units	mg/L	ML/day
21-Oct-05	10:00 AM	Grab	16.1	35	444			45			fast
13-Nov-05	6:30 PM	Grab	14.7	8	968			0			slow
01-Mar-06	6:05 PM	Grab	22.7	8	1550			0			slow
11-May-06	3:00 PM	Grab	10.2	20	780			6.25			slow

Report Date: 18 Jul 2008Field60

16 of 20 Pages.

## Waterwatch Victoria Application (WVA) - Site Report

### Parameters:

<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
25-Jul-06	3:00 PM	Grab	13.7	8	1400			0			slow
13-Oct-06	3:35 PM	Grab	22.0	5	3380			0			slow
09-Nov-06	4:45 PM	Grab	22.5	5	2128			0			slow
05-Dec-06	12:10 PM	Grab	24.3	5	1712			0			slow
25-Jan-07	10:35 AM	Grab	22.1	8	2420			0			0
03-Mar-07	11:45 AM	Grab	22.6	30	1680			0			slow
12-Apr-07	10:45 AM	Grab	13.7	<8	1730			0			slow
19-May-07	4:55 PM	Grab	12.7	60	660			28.5			moder
25-Jun-07	12:05 PM	Grab	8.4	8	1410			0			mediu
30-Jul-07	4:50 PM	Grab	11.2	30	990			4			slow
31-Aug-07	4:20 PM	Grab	11.2	6	2100			0			slow
03-Oct-07	5:15 PM	Grab	13.8	15	2000			0			slow
03-Nov-07	2:25 PM	Grab	15.6	6	2000			6.25			slow
28-Nov-07	12:35 PM	Grab	19.2	9	1590			0			slow
11-Feb-08	5:45 PM	Grab	19.4	7	1400			0			slow
05-Mar-08	10:25 AM	Grab	16.2	20	1890			0			slow
10-Apr-08	4:40 PM	Grab	17.1	8	1570			0			slow
30-Apr-08	1:20 PM	Grab	9.0	10	1980			2.5			very
02-Jun-08	1:35 PM	Grab	10.0	8	1510			0			v slow
27-Jun-08	12:15 PM	Grab	9.2	8	1470			0			slow

### SiteNo: KIL018 Kilmore Creek in Costelloes Road u/s of WWMF

### Parameters:

<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
23-Mar-05	12:00 PM	Grab	18	7	2300				7.9	5	
27-Apr-05	12:00 PM	Grab	16	8	1324				7.7	6	
25-May-05	12:00 PM	Grab	13	3	1020				7.6	5	
20-Jul-05	12:00 PM	Grab	15	13	827				8.2	9	
05-Dec-06	12:05 PM	Grab	24.6	15	1709			0			0
25-Jan-07	9:25 AM	Grab	22.2	8	1996			0			0
03-Mar-07	12:00 PM	Grab	23.5	10	1610			0			0
12-Apr-07	11:00 AM	Grab	15.4	<8	1650			0			0

Report Date: 18 Jul 2008Field60

17 of 20 Pages.

## Waterwatch Victoria Application (WVA) - Site Report

### Parameters:

<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
19-May-07	4:45 PM	Grab	12.9	80	630			28.5			moder
25-Jun-07	11:50 AM	Grab	8.3	8	1300			0			slow
30-Jul-07	5:20 PM	Grab	11.6	9	1240			4			slow
31-Aug-07	4:10 PM	Grab	12.4	15	2000			0			slow
03-Oct-07	5:05 PM	Grab	16.3	12	1960			0			slow
03-Nov-07	2:35 PM	Grab	16.2	7	1700			6.25			moder
28-Nov-07	1:00 PM	Grab	20.7	9	1410			0			slow
11-Feb-08	5:55 PM	Grab	22.3	5	1320			0			slow
05-Mar-08	11:00 AM	Grab	19.3	30	1470			0			slow
15-Apr-08	9:15 AM	Grab	13.3	10	1600			0			slow
30-Apr-08	1:40 PM	Grab	9.6	7	1850			2.5			slow
02-Jun-08	1:45 PM	Grab	10.8	6	1330			0			slow
27-Jun-08	12:35 PM	Grab	9.8	12	1360			0			

### SiteNo: KIL019 Kilmore Creek near Boundary Road d/s of WWMF

### Parameters:

<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
03-Mar-07	12:15 PM	Grab	23.4	15	1573			0			0
12-Apr-07	11:10 AM	Grab	16.1	<8	1400			0			0
19-May-07	4:05 PM	Grab	12.7	100	610			28.5			moder
25-Jun-07	11:15 AM	Grab	7.9	5	1340			0			slow
30-Jul-07	4:55 PM	Grab	11.0	12	1280			4			slow
31-Aug-07	4:00 PM	Grab	14.0	6	1800			0			slow
01-Oct-07	5:00 PM	Grab	18.7	8	1730			1			slow
03-Nov-07	2:40 PM	Grab	17.4	5	2100			6.25			slow
04-Dec-07	4:45 PM	Grab	22.3	8	800			33			slow
11-Feb-08	6:01 PM	Grab	24.4	5	1160			0			slow
05-Mar-08	11:10 AM	Grab	17.7	5	1310			0			slow
15-Apr-08	9:30 AM	Grab	12.8	12	1250			0			slow
30-Apr-08	1:50 PM	Grab	10.8	9	1380			2.5			slow
28-May-08	3:40 PM	Grab	11.9	9	1040			0			v slow
27-Jun-08	12:50 PM	Grab	10.9	20	1270			0			slow

Report Date: 18 Jul 2008Field60

18 of 20 Pages.

## Waterwatch Victoria Application (WVA) - Site Report

**SiteNo:** KIL020 Kilmore Creek at Northern Hwy

Parameters:

<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
13-May-07	9:30 AM	Grab	16.0	5	963		0.03	0			slow
19-May-07	4:15 PM	Grab	14.2	50	750			28.5			moder
25-Jun-07	11:30 AM	Grab	8.4	10	1500			0			slow
30-Jul-07	5:05 PM	Grab	11.0	7	1320			4			slow
27-Aug-07	2:45 PM	Grab	13.3	5	1710			0			slow
01-Oct-07	5:20 PM	Grab	15.7	5	1710			1			slow
03-Nov-07	2:50 PM	Grab	18.0	9	2100			6.25			slow
04-Dec-07	4:35 PM	Grab	23.4	12	840			33			slow
11-Feb-08	6:10 PM	Grab	21.2	7	1210			0			stag
05-Mar-08	11:30 AM	Grab	18.2	9	1290			0			stag
15-Apr-08	9:45 AM	Grab	13.2	8	1180			0			slow
30-Apr-08	2:00 PM	Grab	10.3	6	1560			2.5			very
28-May-08	3:30 PM	Grab	11.8	5	1320			0			v slow
27-Jun-08	1:00 PM	Grab	11.5	6	1270			0			slow

**SiteNo:** XKI001 Kilmore Creek - Crossing at Tootle St

Parameters:

<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
20-Oct-05	9:15 AM	Grab	16.5	15	200			23			steady
17-Nov-05	6:30 PM	Grab	17.3	20	508			0			0
01-Mar-06	7:59 PM	Grab	18.0	80	200			0			0
13-Oct-06	11:30 AM	Grab	21.1	15	1050			0			0
09-Nov-06	5:00 PM	Grab	22.3	40	978			0			0
05-Dec-06	12:55 PM	Grab	24.4	50	813			0			0
25-Jan-07	8:25 AM	Grab		30	736			0			0
03-Mar-07	11:15 AM	Grab	22.3	25	3990			0			0
12-Apr-07	8:15 AM	Grab	12.5	10	710			0			0

Report Date: 18 Jul 2008Field60

19 of 20 Pages.

## Waterwatch Victoria Application (WVA) - Site Report

### Parameters:

<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
19-May-07	2:50 PM	Grab	12.4	50	300			28.5			moder
25-Jun-07	2:45 PM	Grab	7.7	25	750			0			0
30-Jul-07	4:25 PM	Grab	10.6	9	690			4			0
31-Aug-07	8:30 AM	Grab	10.0	15	1130			0			0
30-Sep-07	5:15 PM	Grab	11.8	10	1120			1			0
03-Nov-07	4:00 PM	Grab	15.7	40	590			6.25			0
31-Dec-07	4:00 PM	Grab	20.4	28	500			0			0
13-Feb-08	8:00 PM	Grab	14.3	30	420			0			stag
03-Mar-08	5:25 PM	Grab	16.6	10	540			0			stag
04-Apr-08	6:25 PM	Grab	13.9	18	420			0			stagna
30-Apr-08	11:45 AM	Grab	9.9	20	500			2.5			stagna
02-Jun-08	3:20 PM	Grab	10.3	30	490			0			0
27-Jun-08	11:55 AM	Grab	10.7	20	540			0			0

SiteNo: XKI002 Unnamed Creek in kilmore Creek system, SW Anabran

### Parameters:

<u>Date:</u>	<u>Time:</u>	<u>Sample Type:</u>	Temp ° C	Turb NTU	EC µS/cm	% O2 Sat	TPhos mg/L P	Rainfall mm	pH pH Units	DO mg/L	Flow ML/day
19-May-07	3:00 PM	Grab	12.6	8	350			28.5			moder
25-Jun-07	2:50 PM	Grab	10.1	8	990			0			0
30-Jul-07	4:10 PM	Grab	10.5	50	300			4			0
30-Aug-07	5:50 PM	Grab	12.2	15	1000			0			0
30-Sep-07	8:15 AM	Grab	10.1	5	1130			1			slow
03-Nov-07	3:55 PM	Grab	17.0	20	1710			6.25			very
31-Dec-07	4:10 PM	Grab	23.1	10	1350			0			0
23-Jan-08	8:30 AM	Grab	17.8	10	720			0			slow
03-Mar-08	8:45 AM	Grab	12.8	8	2100			0			stag
04-Apr-08	6:15 PM	Grab	14.9	6	890			0			falling
30-Apr-08	12:30 PM	Grab	9.5	10	1010			2.5			0
02-Jun-08	3:00 PM	Grab	12.4	9	1570			0			0
27-Jun-08	11:00 AM	Grab	10.6	8	400			0			slow