

# Goulburn River

## Mid West Catchment

### WATER MONITORING REPORT 1995 - 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 :**

**SUGARLOAF CREEK BEHIND IAN JULIAN'S HOME , JOHNSON'S ROAD BROADFORD - 21<sup>ST</sup> NOVEMBER  
2006 (looking upstream)**

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## 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.

Waterwatch has monitored a limited number of sites in the Mid West Region of the Goulburn Broken Catchment since 1995. The waterways being monitored, sometimes irregularly, include Sunday Creek, Dry Creek, Kurkurac Creek, Mollison Creek and Sugarloaf Creek. Since 2004, the number of community monitors joining the Program in the Mid West has grown significantly resulting in a more useful data set.

During 2007, a total of 63 sites were monitored on a monthly basis for the following parameters:

1. Electrical Conductivity (Salinity)
2. Turbidity
3. Temperature; and
4. Total Phosphorus (at selected sites).

This report contains the following information:

1. Monitoring Plan
2. Listing of monitors and their site details
3. Information about water quality parameters
4. A tabular summary of data collected at all sites year by year. This table includes historical data collected by Waterwatch coordinators and volunteers dating back to 1995
5. Graphical representation of the medians of each parameter along the length of the waterway

6. Comparisons of local water quality data with State Environment Protection Policy (SEPP) guidelines
7. Raw Data for 2007

The report provides a summary of testing results since 1995 and should be used to stimulate discussion on the state of water quality in the Mid West Goulburn Region, 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 points	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 this region 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: Mid West Goulburn**

**Monitoring Coordinators: Phil Clancy & 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. During 2006/08, an intensive monitoring project that targets salinity is being undertaken across the Goulburn Broken Catchment. This Community Stream Sampling Project aims to identify areas in the Murray Darling Basin where salt stores are negatively affecting river quality and discharging saline water into the rivers. Data from this project will be used to prioritise 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 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 on page 9 and 10*

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

*See Participant list on page 9 and 10*

## **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 total phosphorus, turbidity and temperature. Dissolved oxygen and E coli are also able to be monitored where these are of interest to the community monitors.

**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 is forwarded to the Bureau of Rural Sciences on a three monthly basis.



## Monitoring Sites

### **DAVID ANDERSON**

SUN017 – MAP 7923 E327725 N5883425  
 SUN018 – MAP 7923 E327374 N5887923

SUN020 – MAP 7923 E327318 N5892222

Sunday Creek at Kenny's Lane.  
 Sunday Creek on Dockery's Road before Tallarook.  
 Sunday Ck at Pyalong-Tallarook Rd near Sharp and Taylors Rd.

### **NOEL BAKER**

XDR001 – MAP 7823 E324400 N5870900

XDR002 – MAP 7823 E322700 N5870600  
 XSU001 – MAP 7923 E327200 N5871700

SUN001 – MAP 7923 E332500 N5864500

SUN003 – MAP 7923 E332297 N5864054  
 SUN004 – MAP 7923 E328399 N5869754  
 SUN005 – MAP 7923 E327839 N5871650  
 DAM020 – MAP 7823 E322700 N5870700

Un-named Ck into Dry at Moira Kelly Foundation Gateway  
 U/Ck into Dry adjacent to 290 Saunders Rd  
 Unnamed Creek into Sunday Creek at end Saunders Rd.  
 Sunday Ck below ford at Anderson's Gardens.  
 Sunday Ck at Hibberds Rd at Clonbinane.  
 Sunday Ck at Ryans Rd Waterford Park.  
 Sunday Creek on Spur Rd at Clonbinane.  
 Dam 290 Saunders Rd at Kilmore East.

### **HELEN BEGLEY**

DRY010 – MAP 7823 E321002 N5871024

Dry Ck at Kilmore East – Sunday Creek Rd.

### **PHIL BOURNE/ROBBIE KEEK**

SUG010 – MAP 7923 E324176 N5890786  
 SUG018 – MAP 7923 E325140 N5893794  
 SUG020 – MAP 7923 E326784 N5896522

Sugarloaf Ck at Broadford-Sugarloaf Ck Rd.  
 Sugarloaf Creek at Pyalong-Tallarook Rd.  
 Sugarloaf Creek at ford in ashes Bridge Rd.

### **GEOFF BRUNTON**

DAM035 – MAP 7823 E311620 N5879841  
 DAM036 – MAP 7823 E312195 N5879801  
 DAM037 – MAP 7823 E312225 N5878995  
 DAM038 – MAP 7823 E311901 N5879315  
 DAM039 – MAP 7823 E311782 N5879551  
 BKC005 – MAP 7823 E310638 N5878677

Dam near concrete tank.  
 Dam at plantation.  
 Dam at front gate.  
 Big dam.  
 Dam below house.  
 Back creek at crossing at Willowmavin Nth.

### **ROBERT CONGDON**

SUN014 – MAP 7923 E326954 N5878308

Sunday Ck nr Bidstrip Dve on Broadford-Wandong Rd, Broadford.

### **MARIE GERRARD**

KUR003 – MAP 7823 E311700 N5870800

KUR004 – MAP 7823 E311650 N5871005

KUR005 – MAP 7823 E311687 N5870955

KUR015 – MAP 7823 E315154 N5879829

Kurkurac Ck at Crooked Bridges Sth end Forbes-Moranding Rd.  
 Kurkurac Ck at tributary at Forbes-Moranding Rd.  
 Kurkurac Ck at Old Lancefield Rd.  
 Kurkurac Ck at Northern Hwy.

### **SURESH JAIN**

MOL008 – MAP 7823 E309680 N5889540

MOL010 – MAP 7823 E311517 N5888868

MOL012 – MAP 7823 E316696 N5889600

MOL020 – MAP 7823 E318695 N5890669

MOL021 – MAP 7823 E318898 N5890867

Mollison Ck under Highway bridge, Pyalong.  
 Mollison Ck after Pyalong.  
 Mollison Ck at ford on White Gate Road.  
 Mollison Ck at Glenaroua.  
 Mollison Ck at bridge East end of Glenaroua.

### **IAN JULIAN**

CAM005 – MAP 7823 E322004 N5885157

SUG001 – MAP 7823 E323331 N5888812

KUR020 – MAP 7823 E319735 N5886657

KUR025 – MAP 7823 E322732 N5888146

Cameron Ck at Glenaroua Rd nth of Broadford.  
 Sugarloaf Creek behind Julian's home.  
 Kurkurac Ck at Glenaroua Rd bridge.  
 Kurkurac Ck at ford in Johnson's Rd

MOL025 – MAP 7823 E322784 N5888263	(Mooney’s Ln). Mollison Ck U/S confluence with Sugarloaf Ck.
<b><u>LYNDELL MCLAUGHLIN</u></b> MOL003 – MAP 7823 E298400 N5885770	Mollison Ck at McLaughlin’s, Nullavale.
<b><u>PETER MITCHELL</u></b> DRY020 – MAP 7823 E324700 N5877200 DRY025 – MAP 7923 E325792 N5881136 SUN015 – MAP 7923 E327110 N5880603 SUN016 – MAP 7923 E327489 N5881182	Dry Creek at Jeffrey’s Lane, Broadford. Dry Creek at Dry Creek Bridge, Broadford. Sunday Creek at High St, Broadford. Sunday Creek at Last St, Broadford.
<b><u>BILL NEUMANN</u></b> SUN024 – MAP 7923 E330042 N5899135 SUN025 – MAP 7923 E330565 N5899806 SUN026 – MAP 7923 E330700 N5900100 GOU033 – MAP 7923 E332360 N5901290	Sunday Creek at Ford near Seymour(or is it Sugarloaf?) Sunday Creek at Northwood Rd U/S Goulburn River, Seymour. Sunday Creek from Pucka Seymour Rd bridge. Goulburn River North of Old Wooden Bridge, Seymour.
<b><u>ALLAN STUTE</u></b> NAN010 – MAP 7923 E324793 N5872599 NAN015 – MAP 7923 E326800 N5874600	Nanny Ck at Kilmore East-Sunday Ck Rd. Nanny Ck at Broadford-Wandong Rd.
<b><u>DAVID SWIFT</u></b> DRY011 – MAP 7823 E321543 N5872429 DRY012 – MAP 7823 E321555 N5872684 DRY013 – MAP 7823 E321531 N55872684 DRY014 – MAP 7823 E321510 N5872429	Dry Ck at Swift’s on O’Sheas Rd Kilmore East Soak West of Railway. Dry Ck at Swift’s on O’Sheas Rd Kilmore East Soak North site. Dry Ck at Swift’s on O’Sheas Rd Kilmore East Soak South of creek crossing. Dry Ck at Swift’s on O’Sheas Rd Kilmore East Soak West of Railway.
<b><u>NOELLE VINE</u></b> KUR007 – MAP 7823 E313451 N5874027 KUR008 – MAP 7823 E313487 N5874089 KUR009 – MAP 7823 E313498 N5874123 KUR010 – MAP 7823 E313395 N5873984 GRO016 – MAP 7823 E313700 N5874090	Kurkurac Ck at 1 <sup>st</sup> waterhole near Willowmavin Rd. Kurkurac Ck at Spiny rush waterhole near Willowmavin Rd. Kurkurac Ck at red waterhole near Willowmavin Rd. Kurkurac Ck at Willowmavin Rd. Home bore at 575 Willowmavin Rd, Willowmavin.
<b><u>JO WILSON-HAWE</u></b> MOL002 – MAP 7823 E297500 N5888300 MOL006 – MAP 7823 E308168 N5887891 MOL009 – MAP 7823 E310415 N5889696	Mollison Ck in Kennedy Ln at Baynton East. Mollison Ck at Racecourse Ln, Pyalong. Mollison Ck under Trestle Bridge, Pyalong.
<i>WATERWATCH COORDINATOR</i> <b><u>PHIL CLANCY</u></b> BRD005 – MAP 7823 E321989 N5865162	Broadhurst Creek at Kilmore Wandong Rd.

Monitoring Sites



## **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 Mid West Goulburn

Many sites on Sunday, Kurkurac, Dry, Mollison and Sugarloaf Creeks and tributaries have been tested for turbidity by Waterwatch and the community since 1995. Some sites in this report began being monitored late in 2006 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	TURBIDITY MEDIANS (NTU)												
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
SUN003	Sunday Creek at Hibbard's Road, Clonbinane.									29	8.5*	5	-	-
SUN004	Sunday Creek at Ryans Road, Waterford Park										15	13	350	8*
SUN005	Sunday Creek at Spur's Road, Walls Crossing	8*	13*						55		21	22	200	-
NAN010	Nanny Creek at Kilmore East-Sunday Ck Rd bridge.								158*		6	*150	9	23*
NAN015	Nanny Creek at Broadford Wandong Road								83*		12*	*60	18	12*
SUN014	Sunday Creek near Bidstrip Dye on Broadford-Wandong Road, Broadford											15	-	-
SUN015	Sunday Creek at High Street, Broadford	13*	29*	15	19	19	26	22	27	14	20	15	12	12
DRY003	Dry Creek at Broadford - Wallan Road Bridge								1000		85*		-	-
DEN010	Dene Creek at Broadhurst Lane, near motel. Flows into Dry Creek.								121		21*	17*	-	-

Table 1

### Ratings:

The Sunday Creek and Dry Creek and their tributaries are rated for Valley.

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

**Note: results with \* indicate <5 data sets used to interpret results**

*Results in italic without colour coding indicate a 1 off 'snapshot' type sample*

Site code	Site Description	TURBIDITY MEDIANS (NTU)												
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
BRD005	Broadhurst Creek at Kilmore Wandong Road, flows into Dry Creek.			9	5*					26	8.5*	8	200	5
DRY010	Dry Creek at Kilmore East – Sunday Creek Rd								28*		11*	12	13	13
DRY012	Dry Creek at Swifts on O'Shea's Rd, Kilmore East - North site on creek												18*	29*
DRY020	Dry Creek at Jeffrey's Lane, just out of Broadford	13*	58*	9					44*		11*	12	2	2
DRY025	Dry Creek at Broadford, just before Sunday Creek confluence	18*	38*	10	28	21*	47	13	8.5	17	11	26	11	15
SUN016	Sunday Creek at bridge at Last Street, Broadford							16*	14*	40	16*	23	10	14
SUN017	Sunday Creek at Kenny's Lane, Broadford							19*	10*	23*	17*	27*	14	20*
SUN018	Sunday Creek at Dockery's Road, Tallarook						221	24	7.5	13*	23.5	24	17	35
SUN020	Sunday Creek at Sharp and Taylor's Road, Tallarook			9.5*	10			16*	6*	22*	20	40	15	23

Table 1 continued

**Ratings:**

The Sunday Creek and Dry Creek and their tributaries are rated for Valley.

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

**Note: results with \* indicate <5 data sets used to interpret results**

Results in *italic* without colour coding indicate a 1 off 'snapshot' type sample

Site code	Site Description	TURBIDITY MEDIANS (NTU)													
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	
SUN025	Sunday Creek after merging with Sugarloaf at Northwood Road, Seymour												19*	5	10
SUN026	Sunday Creek from Puckapunyal / Seymour Road bridge, Seymour														20
KUR004	Kurkurac Creek tributary at Forbes-Morand Rd, Kilmore.												19	14*	15
KUR005	Kurkurac Creek at Old Lancefield Rd, Kilmore.												-	10*	5.5
KUR007	Kurkurac Creek at 1 <sup>st</sup> Waterhole near Willowmavin Rd, Kilmore.												-	-	20
KUR008	Kurkurac Creek at Spiny rush Waterhole near Willowmavin Rd, Kilmore.												-	-	8
KUR009	Kurkurac Creek at Red Waterhole near Willowmavin Rd, Kilmore.												-	-	11
KUR010	Kurkurac Creek at Willowmavin Road Kilmore												-	-	9.5
KUR015	Kurkurac Creek at Northern Highway, Kilmore.												12*	8*	10
KUR025	Kurkurac Creek at ford in Johnson's Road north of Broadford												13	9*	11

Table 1 continued

**Ratings:**

The Sunday Creek and Dry Creek and their tributaries are rated for Valley.

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

**Note: results with \* indicate <5 data sets used to interpret results**

Results in *italic* without colour coding indicate a 1 off 'snapshot' type sample

Site code	Site Description	TURBIDITY MEDIANS (NTU)												
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
MOL008	Mollison Creek at Highway Bridge, Pyalong.												16*	14
MOL010	Mollison Creek after Pyalong.												8	6
MOL012	Mollison Creek at ford on White Gate Road.												8*	14
MOL020	Mollison Creek at Glenaroua.													20
MOL021	Mollison Creek East end of Glenaroua.												21*	25
MOL025	Mollison Creek upstream of confluence with Sugarloaf Creek.										17		30*	8
SUG001	Sugarloaf Creek behind Julian's home.												16*	11
SUG010	Sugarloaf Creek at Broadford Sugarloaf Creek Road										4*	15	-	13
SUG018	Sugarloaf Creek at Pyalong Tallarook Road										8*	10	85*	16
SUG020	Sugarloaf Creek at Ford in Ashes Bridge Road SW of Seymour.										8*	12	8	11
SUG024	Sugarloaf Creek at Ford near Seymour.										12	58	-	6.5
GOU033	Goulburn River North of Old Wooden Bridge, Seymour.												-	5

Table 1 continued

**Ratings:**

The Sunday Creek and Dry Creek and their tributaries are rated for Valley.

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

**Note: results with \* indicate <5 data sets used to interpret results**

Results in *italic* without colour coding indicate a 1 off 'snapshot' type sample

Turbidity results in the Mid West catchment in 2007 vary significantly from one creek to the next. They also vary along the length of some creeks.

Because of the prolonged drought, flows in all of the creeks have been low for significant periods of time during the year. This can explain some of the variability in results. Some of the sites have only a small number of data points (also because of the drought) which also adds to the variability of medians.

Mollisons and Sunday Creeks have shown elevated levels of turbidity. Sunday Creek has had these elevated levels over a period of years.

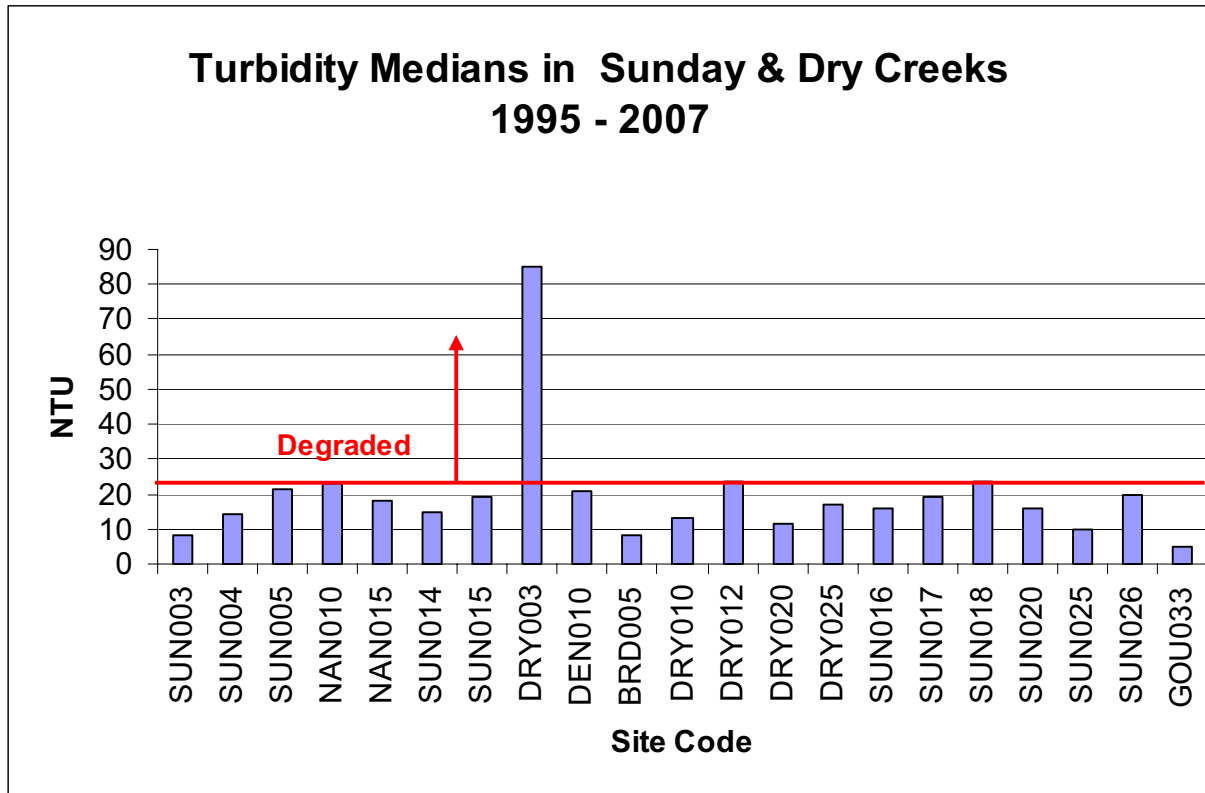
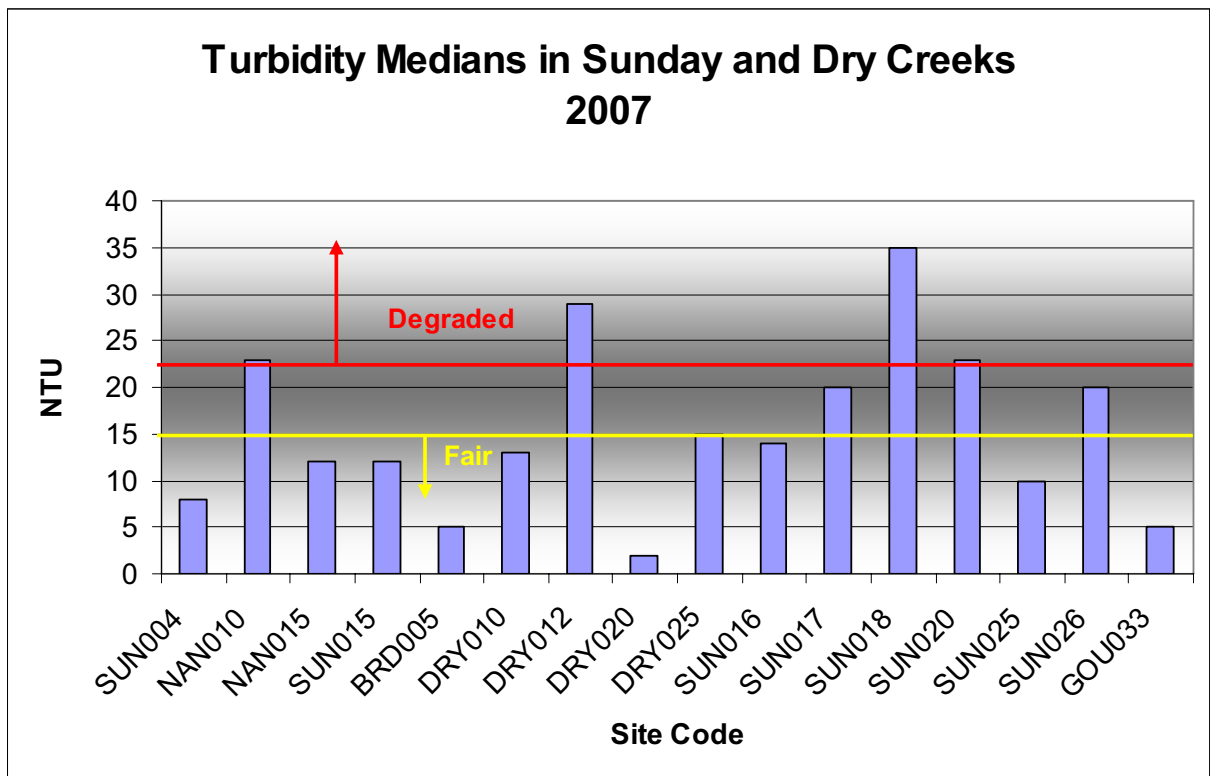


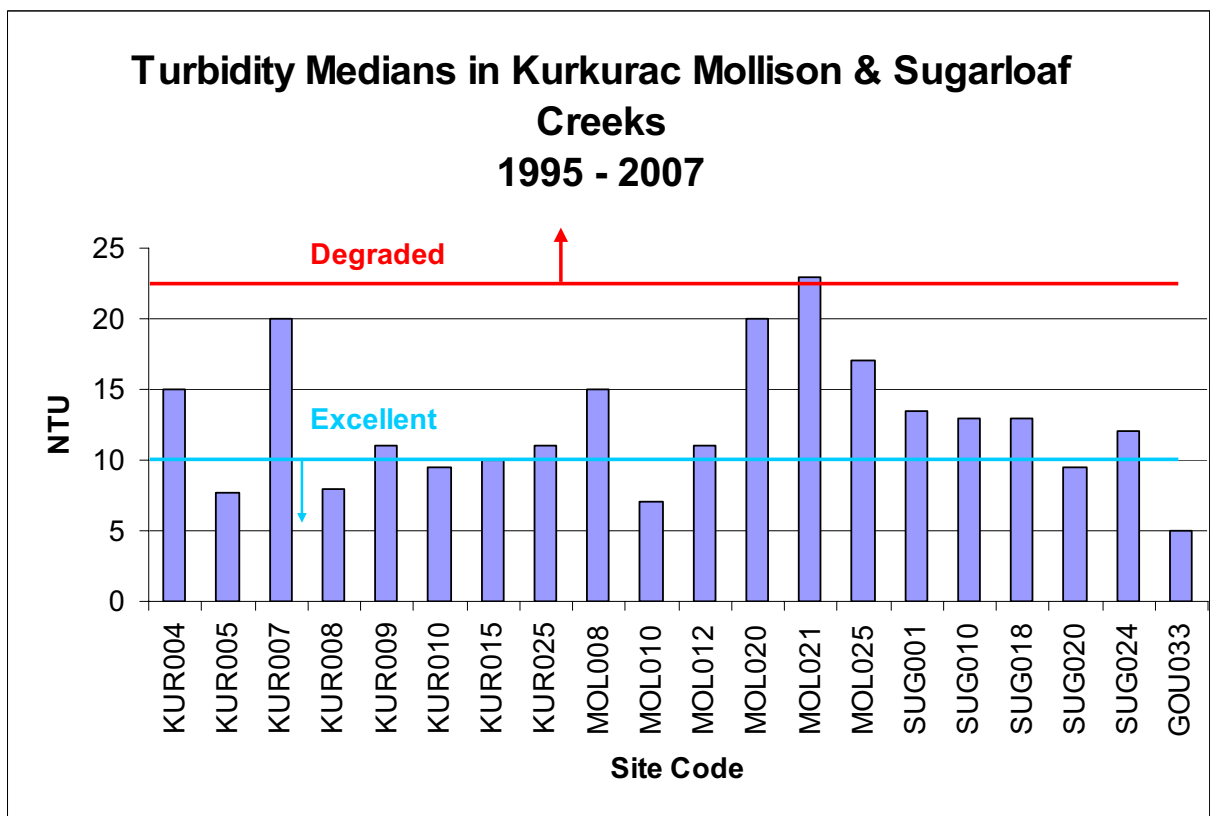
Figure 1



**Figure 2**

Figure 2 shows the median turbidity at each site in 2007.

There were only two results for DRY012 so the median value loses its relevance. Because there are more tests performed along Sunday Cree, the statistics are a better representation of the water quality in the creek.



**Figure 3**

Kurkurac Creek shows low turbidities along the length of the creek. Mollisons Creek on the other hand is generally Poor to degraded.

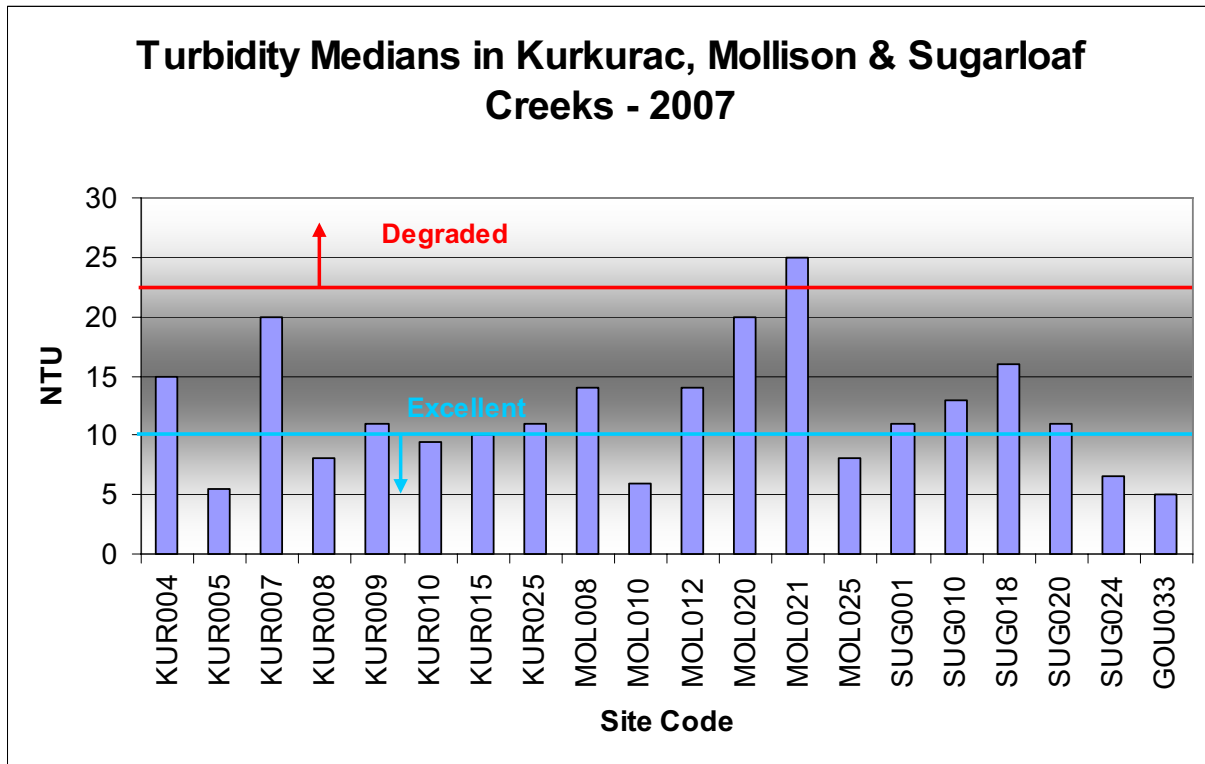


Figure 4

Turbidity results here reflect the long term water quality in the creeks.

## 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.

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### 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.

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## Salinity in Mid West Goulburn

Some sites have been monitored by Waterwatch for Salinity in the Mid West Goulburn Region since 1995. Testing began for some of the other sites in late 2006 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)												
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
SUN003	Sunday Creek at Hibbard's Road, Clonbinane.									210	668*	200		
SUN004	Sunday Creek at Ryans Road, Waterford Park										427*	276	245	590*
SUN005	Sunday Creek at Spur's Road, Walls Crossing	145*	111	121					250		746	344	1356	-
NAN010	Nanny Creek at Kilmore East-Sunday Ck Rd bridge.		248	2405	2410				720	1969*	333*	2190	777*	
NAN015	Nanny Creek at Broadford Wandong Road								1570	1143*	584*	1192	1075*	
SUN014	Sunday Creek near Bidstrip Dve on Broadford-Wandong Road, Broadford											605		-
SUN015	Sunday Creek at High Street, Broadford	455*	204	479	460	400*	295	367	928	675	510	628	680	
DRY003	Dry Creek at Broadford – Wallan Road Bridge								1190	441*				-
DEN010	Dene Creek at Broadhurst Lane, near motel. Flows into Dry Creek.								2970	3330*	1780*			-

Table 2

### Ratings:

The Sunday Creek and Dry Creek and their tributaries are rated for Valley.

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

**Note: results with \* indicate <5 data sets used to interpret results**

Results in *italic* without colour coding indicate a 1 off 'snapshot' type sample

Site code	Site Description	MEDIAN ELECTRICAL CONDUCTIVITY (EC)												
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
BRD005	Broadhurst Creek at Kilmore Wandong Road, flows into Dry Creek.		1348	4160	4100*					3685*	3925*	3310	5100	4920
DRY010	Dry Creek at Kilmore East - Sunday Creek Rd									1560*	1983*	1179	1428	1870
DRY012	Dry Creek at Swifts on O'Shea's Rd, Kilmore East - North site on creek												1303*	1405*
DRY020	Dry Creek at Jeffrey's Lane, just out of Broadford	2375*	1130*	1800						1020	1728*	1156	1281	1690
DRY025	Dry Creek at Broadford, just before Sunday Creek confluence	1770*	502	2370	1090	1040*	710	1190	2180	1660	1178	944	1394	1574
SUN016	Sunday Creek at bridge at Last Street, Broadford							690*	1140*	1150	*1373	548	1556	1490
SUN017	Sunday Creek at Kenny's Lane, Broadford							720*	1270*	1560*	1320*	663	1704	1526*
SUN018	Sunday Creek at Dockery's Road, Tallarook						130	780	1252	1760*	1669	690	1292	1513
SUN020	Sunday Creek at Sharp and Taylor's Road, Tallarook			1205*	220			620*	1320*	1705*	1183	801	1272	1379

Table 2 continued

**Ratings:**

The Sunday Creek and Dry Creek and their tributaries are rated for Valley.

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

**Note: results with \* indicate <5 data sets used to interpret results**

Results in italic without colour coding indicate a 1 off 'snapshot' type sample

Site code	Site Description	MEDIAN ELECTRICAL CONDUCTIVITY (EC)												
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
SUN025	Sunday Creek after merging with Sugarloaf at Northwood Road, Seymour											319*	91	107
SUN026	Sunday Creek from Puckapunyal / Seymour Road bridge, Seymour													740
KUR004	Kurkurac Creek tributary at Forbes-Moranding Rd, Kilmore.											5940	6630*	6600
KUR005	Kurkurac Creek at Old Lancefield Rd, Kilmore.											-	7480	3500
KUR007	Kurkurac Creek at 1 <sup>st</sup> Waterhole near WillowmavinRd, Kilmore.											-	-	2500
KUR008	Kurkurac Creek at Spiny rush Waterhole near WillowmavinRd, Kilmore.											-	-	1040
KUR009	Kurkurac Creek at Red Waterhole near Willowmavin Rd, Kilmore.											-	-	945
KUR010	Kurkurac Creek at Willowmavin Road Kilmore									954			-	1480
KUR015	Kurkurac Creek at Northern Highway, Kilmore.											881*	1271*	875
KUR025	Kurkurac Creek at ford in Johnson's Road north of Broadford											1001	1424*	1480

Table 2 continued

**Ratings:**

The Sunday Creek and Dry Creek and their tributaries are rated for Valley.

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

**Note: results with \* indicate <5 data sets used to interpret results**

Results in italic without colour coding indicate a 1 off 'snapshot' type sample

Site code	Site Description	MEDIAN ELECTRICAL CONDUCTIVITY (EC)												
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
MOL008	Mollison Creek at Highway Bridge, Pyalong												1407*	864
MOL010	Mollison Creek after Pyalong												2010	1080
MOL012	Mollison Creek at ford on White Gate Road												2610*	1522
MOL020	Mollison Creek at Glenaroua												1918*	1045
MOL021	Mollison Creek East end of Glenaroua.												1416*	950
MOL025	Mollison Creek upstream of confluence with Sugarloaf Creek								1991				3100*	1300
SUG001	Sugarloaf Creek behind Julian's home												2250*	1410
SUG010	Sugarloaf Creek at Broadford Sugarloaf Creek Road									1350*		986		1270
SUG018	Sugarloaf Creek at Pyalong Tallarook Road									1960*		1106	2250	1425
SUG020	Sugarloaf Creek at Ford in Ashes Bridge Road SW of Seymour									1412*		1109	1680	1295
SUG024	Sugarloaf Creek at Ford near Seymour									1380		580		1360
GOU033	Goulburn River North of Old Wooden Bridge, Seymour.													69

Table 2 continued

**Ratings:**

The Sunday Creek and Dry Creek and their tributaries are rated for Valley.

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

**Note: results with \* indicate <5 data sets used to interpret results**

Results in italic without colour coding indicate a 1 off 'snapshot' type sample

Most creeks in the Mid West catchment show degraded levels of electrical conductivity. Compare these results with the conductivity at the Goulburn River site at Old Wooden Bridge at Seymour.

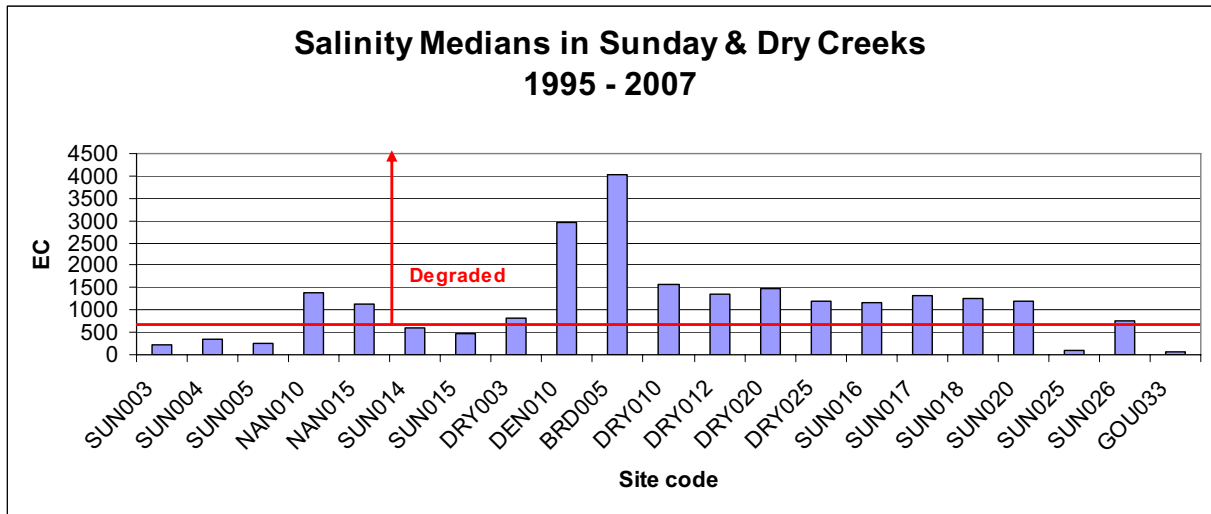


Figure 5

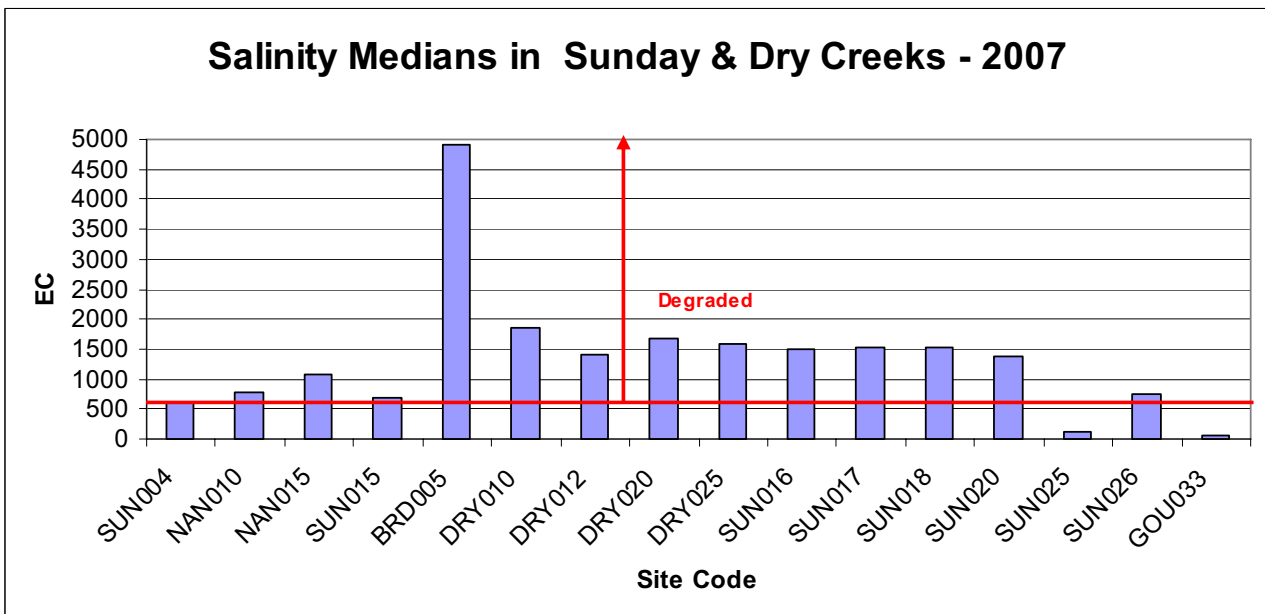


Figure 6

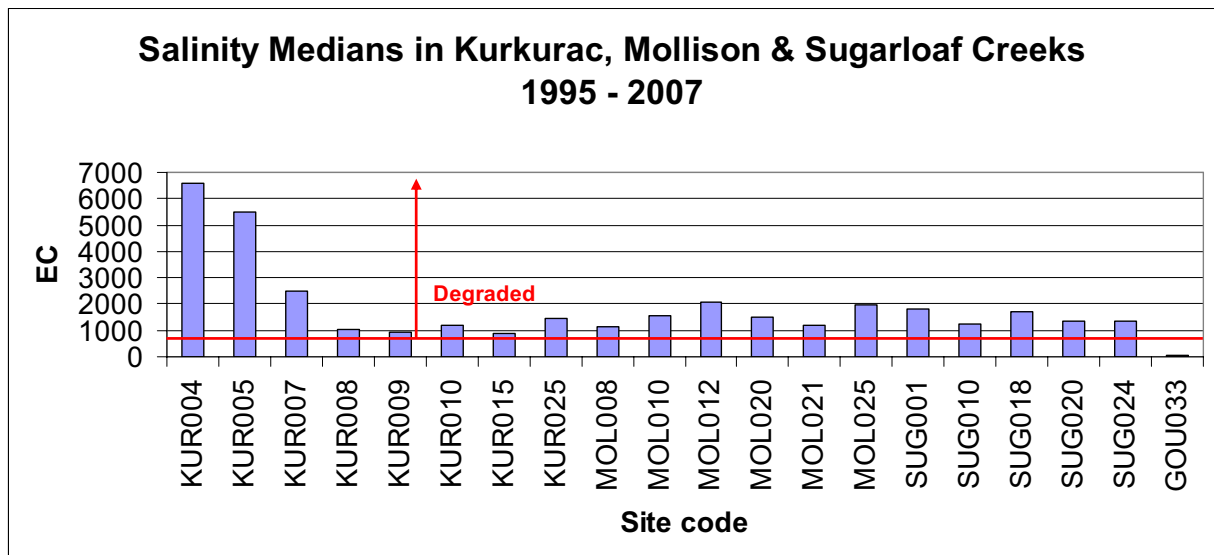


Figure 7

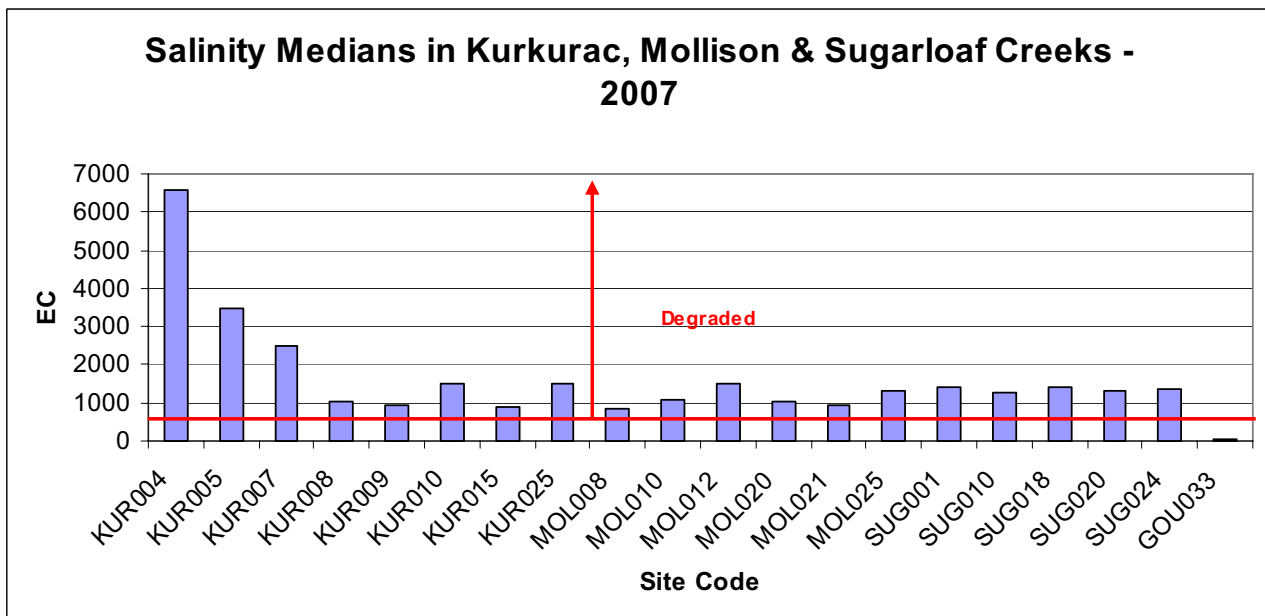


Figure 8

When interpreting water quality data, care must be taken to ensure that representative data is used to produce statistics such as medians. In the case of Kurkurac Creek, 12 data points were taken to produce the 2007 medians. This is a sufficient number of data points to have some confidence in drawing some conclusions about the "normal" water quality in Kurkurac Creek. The median conductivity decreases from the upper to the lower reaches.

Similarly with Sugarloaf Creek, there are at least 10 data points to use when interpreting the data. Sugarloaf Creek is degraded for conductivity, but shows no increase or decrease over the length of the creek.

Mollisons Creek is also degraded for electrical conductivity.

## Phosphorus

Phosphorus is a nutrient that occurs naturally at low concentrations in water and it is essential for all forms of life. It comes from processes like the weathering of rocks and from the decomposition of organic matter such as plant litter. Other sources of phosphorus entering river systems include:

- |  |  |
|--|--|
| <input type="checkbox"/> sewage treatment works                              | <input type="checkbox"/> runoff from agricultural land |
| <input type="checkbox"/> stormwater drains                                   | <input type="checkbox"/> runoff from forests           |
| <input type="checkbox"/> irrigation drains intensive agricultural industries |  |

An increase in phosphorus levels in streams may result from erosion, discharge of sewage, detergents, urban stormwater and rural runoff that contains fertilisers and animal and plant material. When the phosphorus concentration becomes too high, problems such as algal blooms, excessive growth of aquatic weeds and the loss of species diversity can occur.

Nutrients in waterways (particularly phosphorus) became an important parameter to monitor when deciding the quality of water in a waterway when the Water Quality Strategy was produced for the Goulburn Broken Catchment. Phosphorus is also a parameter included in the chemical sub-index as part of the Victorian Index of Stream Condition rating system for measuring the condition of a waterway. Total phosphorus is used rather than soluble (reactive) phosphorus, as it includes all forms of phosphorus present in a waterway rather than the soluble component.

### Phosphorus in Mid West Goulburn

A number of sites along the Sunday and Dry Creeks have been tested for total phosphorus between 2005 and 2007. Due to restraints in time and resources, Goulburn Broken Waterwatch now only monitors the most downstream site of a waterway for total phosphorus. The table and graph below summarise the data collected.

Site	MEDIAN TOTAL PHOSPHORUS (mg/L)		
	2005	2006	2007
<i>DRY010</i> <i>Dry Creek at Kilmore East – Sunday Creek Road</i>	<b>&lt;0.02</b>	<b>&lt;0.02</b>	<b>0.025</b>
<i>DRY 025</i> <i>Dry Creek at Broadford, just before Sunday Creek confluence</i>	<b>0.05</b>	<b>&lt;0.02</b>	<b>0.02</b>
<b>SUN004</b> <b>Sunday Creek at Ryans Road, Waterford Park</b>	<b>0.02</b>	-	-
<b>SUN005</b> <b>Sunday Creek at Spur’s Road, Walls Crossing</b>	<b>0.02</b>	-	-
<b>SUN015</b> <b>Sunday Creek at High Street, Broadford</b>	<b>0.04</b>	<b>0.04</b>	<b>0.045</b>
<b>SUN016</b> <b>Sunday Creek at bridge at Last Street, Broadford</b>	<b>0.05</b>	<b>0.02</b>	<b>0.02</b>
<b>SUN018</b> <b>Sunday Creek at Dockery’s Road, Tallarook</b>	<b>0.1</b>	<b>0.03</b>	<b>0.1*</b>
<b>SUN020</b> <b>Sunday Creek at Sharp and Taylor’s Road, Tallarook</b>	<b>0.04</b>	<b>0.02</b>	<b>0.03*</b>

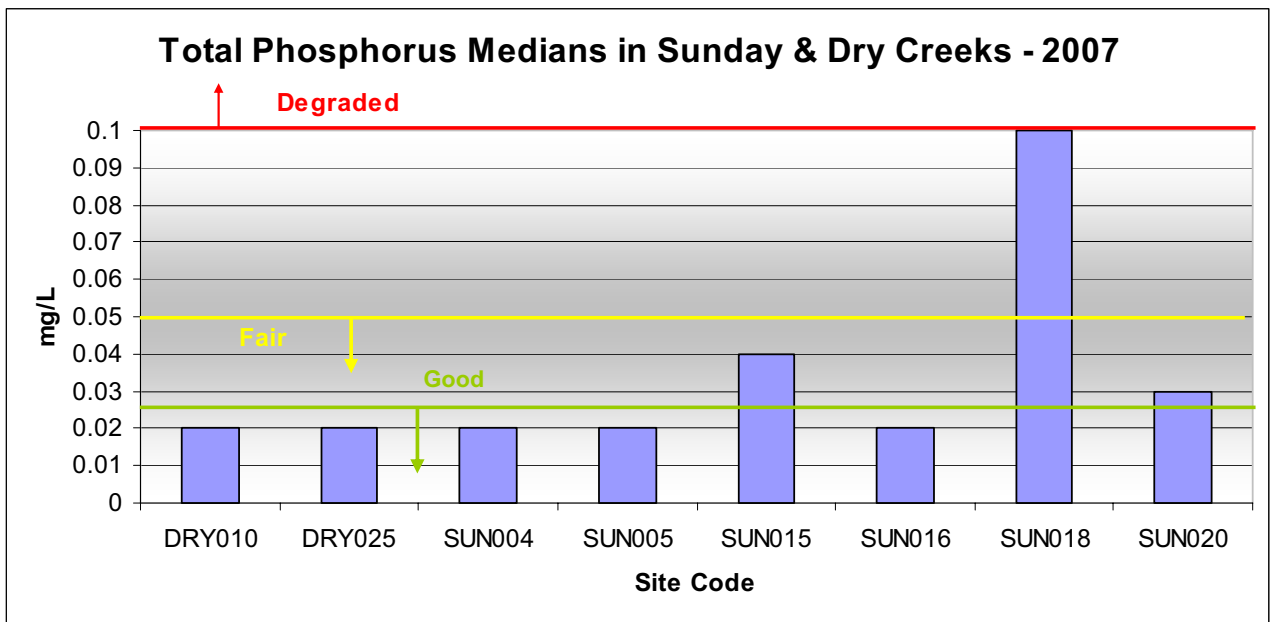
**Table 3**

**Ratings:**

The Sunday Creek and Dry Creek and their tributaries are rated for Valley.

**<0.01 mg/L Excellent** **<0.025 mg/L Good** **<0.05 mg/L Fair** **<0.1 mg/L Poor** **>0.1 mg/L Degraded**

**Note: results with \* indicate <5 data sets used to interpret results**



**Figure 9**

The only site to note for elevated total phosphorus in the Sunday and Dry Creek subcatchments is SUN018.

### 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)
• mid-reaches of Ovens, Goulburn and Broken catchments	75 <sup>th</sup> percentile	25 <sup>th</sup> percentile	maximum	75 <sup>th</sup> percentile	75 <sup>th</sup> percentile	75 <sup>th</sup> percentile
	≤25	≥85	110	≤10	≤500	≥6.4
						≤7.7

Table 4

**2007 results in the Mid West Region of the Goulburn River Catchment 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	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
DRY010 Dry Creek at Kilmore East-Sunday Ck Rd	30				16	2020		
DRY020 Dry Creek at Jeffreys Lane					6.5	2250		
DRY025 Dry Creek at Broadford	30				30	1670		
NAN015 Nanny's Creek at Broadford/Wandong Rd					16*	1299*		
SUN015 Sunday Creek at High Street Broadford	100				63	1210		
SUN016 Sunday Creek at Last St after Broadford	30				26	2390		
SUN017 Sunday Creek at Kenny's Lane					23*	1711*		
SUN018 Sunday Creek at Dockery's Road					52	1747		
SUN020 Sunday Creek at Pyalong/Tallarook Rd					29	1775		
SUN026 Sunday Creek at Puckapunyal-Seymour Road Bridge					30	1270		

**Table 5**

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
KUR004 Kurkurac Creek tributary at Forbes-Morand Rd, Kilmore.				23	8634		
KUR005 Kurkurac Creek at Old Lancefield Rd, Kilmore.				8.3	5025		
KUR007 Kurkurac Creek at 1 <sup>st</sup> Waterhole near Willowmavin Rd, Kilmore.				22	2800		
KUR008 Kurkurac Creek at Spiny rush Waterhole near Willowmavin Rd, Kilmore.				11	1520		
KUR009 Kurkurac Creek at Red Waterhole near Willowmavin Rd, Kilmore.				13	1510		
KUR010 Kurkurac Creek at Willowmavin Road Kilmore				13	2300		
KUR015 Kurkurac Creek at Northern Highway, Kilmore.				30	1090		
KUR025 Kurkurac Creek at ford in Johnson's Road north of Broadford				20	1778		

Table 5 continued

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	25 <sup>th</sup> percentile	75 <sup>th</sup> percentile
<b>MOL008 Mollison Creek at Highway Bridge, Pyalong</b>				25	1200				
<b>MOL010 Mollison Creek after Pyalong</b>				15	1450				
<b>MOL012 Mollison Creek at ford on White Gate Road</b>				18	1775				
<b>MOL020 Mollison Creek at Glenaroua</b>				45	1648				
<b>MOL021 Mollison Creek East end of Glenaroua.</b>				30	1423				
<b>MOL025 Mollison Creek upstream of confluence with Sugarloaf Creek</b>				32	1903				
<i>SUG001 Sugarloaf Creek behind Julian's home</i>				16	2758				
<i>SUG010 Sugarloaf Creek at Broadford Sugarloaf Creek Road</i>				17	1770				
<i>SUG018 Sugarloaf Creek at Pyalong Tallarook Road</i>				39	1780				
<i>SUG020 Sugarloaf Creek at Ford in Ashes Bridge Road SW of Seymour</i>				14	1893				
<i>SUG024 Sugarloaf Creek at Ford near Seymour</i>				13	1808				
<b>GOU033 Goulburn River North of Old Wooden Bridge, Seymour.</b>									

**Table 5 continued**

Three quarters of the readings taken should fall below the 75<sup>th</sup> percentile. Sugarloaf, Mollisons, Kurkurac, Sunday and Dry Creeks are all well above the SEPP guidelines for electrical conductivity of 500 EC. 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 the Midwest Region of the Goulburn River Catchment**

Elevated levels of salinity (electrical conductivity) show up as the main water quality issue in the Mid West catchment. For this reason, monitoring for EC should continue into the future to:

- Measure any changes in EC trends up or down in all waterways;
- Gauge the effectiveness of any waterway or riparian works undertaken to improve water quality;
- Monitor EC values in all waterways in "normal" climatic conditions other than drought conditions.

## Appendix A

### 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.	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

### Mid West Waterways Raw Data Report

For Samples from 01 Jan 2007 to 31 Dec 2007

**SiteNo:** BKC005 Back Creek at Crossing at Willowmavin North

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
29-Apr-07	4:05 PM	Grab	24		16.3	flow		240	35	
10-Jun-07	12:00 PM	Grab	2		9.6	steady		790	0	
08-Jul-07	4:35 PM	Grab	3		9.3	mediu		350	14.5	
05-Aug-07	8:30 AM	Grab	4		7.2	slow		480	2.5	
21-Oct-07	12:30 PM	Grab	2		17.6	slow		760	0	
22-Oct-07	12:30 PM	Grab	8		17.6	slow		760	0	
23-Dec-07	12:30 PM	Grab	8		17.4	slow		760	80	

**SiteNo:** BRD005 Broadhurst Creek at Kilmore/Wandong Road

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
26-Feb-07	12:20 PM	Grab	5		22.0	slow		4920	4	

**SiteNo:** CAM005 Cameron Creek at Glenaroau Road Nth of Broadford

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
24-May-07	12:50 PM	Grab	400		14.4	0		160	16.4	
29-Jun-07	12:45 PM	Grab	175		9.7	stag		2800	10.5	
25-Jul-07	11:10 AM	Grab	55		7.4	stag		450	0	

**SiteNo:** DAM035 Dam near concrete tank

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
29-Apr-07	2:30 PM	Grab	40		20	stag		260	35	
10-Jun-07	11:00 AM	Grab	10		10.2	stag		200	0	
08-Jul-07	3:50 PM	Grab	31		10.1	stag		130	14.5	
05-Aug-07	10:50 AM	Grab	2		8.9	stag		140	2.5	

Report Date: 03 Jul 2008Field60

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## Waterwatch Victoria Application (WVA) - Site Report

Date:	Time:	Sample Type:
21-Oct-07	1:30 PM	Grab
22-Oct-07	1:30 PM	Grab
23-Dec-07	1:40 PM	Grab

Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
2		20.5	stag		140	0	
8		20.5	stag		140	0	
60		19.3	stag		90	80	

### SiteNo: DAM036 Dam at plantation

Parameters:

Date:	Time:	Sample Type:
29-Apr-07	2:50 PM	Grab
10-Jun-07	11:15 AM	Grab
08-Jul-07	3:55 PM	Grab
05-Aug-07	10:45 AM	Grab
21-Oct-07	1:15 PM	Grab
22-Oct-07	1:15 PM	Grab
23-Dec-07	1:50 PM	Grab

Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
85		19.5	slow		360	35	
26		10.4	stag		250	0	
19		9.4	slow		150	14.5	
12		8.3	slow		160	2.5	
100		21.2	stag		210	0	
100		21.2	stag		210	0	
52		18.9	stag		110	80	

### SiteNo: DAM037 Dam at front gate

Parameters:

Date:	Time:	Sample Type:
29-Apr-07	3:10 PM	Grab
10-Jun-07	11:30 AM	Grab
08-Jul-07	4:10 PM	Grab
05-Aug-07	10:35 AM	Grab
05-Aug-07	10:30 AM	Grab
21-Oct-07	1:00 PM	Grab
22-Oct-07	1:00 PM	Grab
23-Dec-07	2:00 PM	Grab

Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
80		17.9	slow		170	35	
29		9.5	stag		160	0	
25		9.4	stag		100	14.5	
15		8.3	stag		100	2.5	
15		8.3	stag		100	2.5	
11		21.3	stag		120	0	
11		21.3	stag		120	0	
70		20.4	stag		60	80	

### SiteNo: DAM038 Big Dam

Parameters:

Date:	Time:	Sample Type:
Report Date: 03 Jul 2008Field60		

Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L

## Waterwatch Victoria Application (WVA) - Site Report

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
29-Apr-07	3:25 PM	Grab	8		17	0		160	35	
10-Jun-07	11:40 AM	Grab	2		10.7	stag		170	0	
08-Jul-07	4:20 PM	Grab	12		9.0	stag		140	14.5	
05-Aug-07	10:20 AM	Grab	2		8.7	slow		150	2.5	
21-Oct-07	12:50 PM	Grab	10		21	stag		150	0	
22-Oct-07	12:50 PM	Grab	10		21	stag		150	0	
23-Dec-07	2:10 PM	Grab	150		19.5	stag		140	80	

**SiteNo:** DAM039 Dam below house

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
29-Apr-07	4:55 PM	Grab	24		16	0		140	35	
10-Jun-07	1:15 PM	Grab	2		9.2	stag		150	0	
08-Jul-07	5:10 PM	Grab	10		9.3	mediu		120	14.5	
05-Aug-07	11:00 AM	Grab	2		7.8	slow		140	2.5	
21-Oct-07	1:45 PM	Grab	2		21.8	stag		140	0	
22-Oct-07	1:45 PM	Grab	6		21.8	stag		140	0	
23-Dec-07	1:30 PM	Grab	40		19.2	stag		90	80	

**SiteNo:** DRY010 Dry Creek at Kilmore East - Sunday Creek Road

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
16-Jan-07	6:00 PM	Grab	1		26.9	dry		3040	0	
18-Feb-07	6:30 PM	Grab	80		16.2	stagna	<0.02	1999	0	
13-May-07	4:30 PM	Grab	13		13.8	rising	0.03	1718	4	
17-Jun-07	12:15 PM	Grab	12		16.8		<0.02	1720	1	
17-Sep-07	12:00 PM	Grab	1		22.8	steady		1870	0	
15-Oct-07	10:00 AM	Grab	16		18.2	v. low	0.03	2040	7	
19-Nov-07	11:00 AM	Grab	15		17.7	v. low	0.02	1665	2.5	

Report Date: 03 Jul 2008Field60

**Waterwatch Victoria Application (WVA) - Site Report**  
**SiteNo: DRY011 Dry Creek at Swift's on O'Shea's Rd, Kilmore East, Soak at West of Railway**

Parameters:

**Date:** 10-Apr-07  
**Time:** 12:40 PM  
**Sample Type:** Grab  
**Turb NTU:** <8  
**pH Units:** 17.7  
**Temp °C:** 17.7  
**Flow ML/day:** slight  
**TPhos mg/L P:**  
**EC µS/cm:** 1280  
**Rainfall mm:** 0  
**DO mg/L:**

**SiteNo: DRY012 Dry Creek at Swift's on O'Shea's Rd Kilmore East, North Site on Dry Creek**

Parameters:

**Date:** 10-Apr-07  
**Time:** 12:00 PM  
**Sample Type:** Grab  
**15-Jul-07**  
**Time:** 12:00 PM  
**Sample Type:** Grab  
**Turb NTU:** <8  
**pH Units:** 15.7  
**Temp °C:** 8.1  
**Flow ML/day:** 0  
**TPhos mg/L P:** 860  
**EC µS/cm:** 1950  
**Rainfall mm:** 2  
**DO mg/L:**

**SiteNo: DRY013 Dry Creek at Swift's on O'Shea's Rd Kilmore East, South of creek crossing**

Parameters:

**Date:** 10-Apr-07  
**Time:** 12:15 PM  
**Sample Type:** Grab  
**15-Jul-07**  
**Time:** 12:10 PM  
**Sample Type:** Grab  
**Turb NTU:** <8  
**pH Units:** 14.9  
**Temp °C:** 8.1  
**Flow ML/day:** 0  
**TPhos mg/L P:** 860  
**EC µS/cm:** 1450  
**Rainfall mm:** 2  
**DO mg/L:**

**SiteNo: DRY014 Dry Creek at Swift's on O'Shea's Rd Kilmore East, West of soak**

Parameters:

**Date:** 10-Apr-07  
**Time:** 12:30 PM  
**Sample Type:** Grab  
**15-Jul-07**  
**Time:** 12:20 PM  
**Sample Type:** Grab  
**Turb NTU:** <8  
**pH Units:** 15.6  
**Temp °C:** 8.2  
**Flow ML/day:** 0  
**TPhos mg/L P:** 860  
**EC µS/cm:** 1430  
**Rainfall mm:** 2  
**DO mg/L:**

**SiteNo: DRY020 Dry Creek at Jeffrey's Lane, Broadford**

Parameters:

**Date:** 16-Jan-07  
**Time:** 12:00 PM  
**Sample Type:**  
**20-Mar-07**  
**Time:** 2:30 PM  
**Sample Type:**  
**Turb NTU:**  
**pH Units:**  
**Temp °C:**  
**Flow ML/day:** dry  
**TPhos mg/L P:** 23  
**EC µS/cm:**  
**Rainfall mm:**  
**DO mg/L:**

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## Waterwatch Victoria Application (WVA) - Site Report

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
17-Apr-07	11:00 AM	Grab				0			0	
15-May-07	4:55 PM					dry			5.6	
18-Jun-07	4:21 PM	Grab	1		8.1	steady		1650	0	
17-Jul-07	1:30 PM	Grab	30			steady	0.03	860	10	
14-Aug-07	3:40 PM	Grab	2			steady	0.05	1312	0	
17-Sep-07	5:47 PM	Grab	2		10.8	moder		1690	1	
15-Oct-07	1:38 PM	Grab	1		17	steady		2000	0	
20-Nov-07	7:55 AM	Grab	6		16.9	stag		2500	0	
17-Dec-07	3:35 PM	Grab	7		21.7	stag		2600	0	

### SiteNo: DRY025 Dry Creek at Dry Creek Bridge at Broadford

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
16-Jan-07	10:00 AM	Grab	47		22.1	steady	0.04	1574	0	
20-Mar-07	2:35 PM					dry			23	
17-Apr-07	11:05 AM	Grab				dry			0	
15-May-07	5:00 PM	Grab	30		15.8	stag	0.1	420	5.6	
18-Jun-07	3:49 PM	Grab	1		11.1	steady	<0.02	2100	0	
17-Jul-07	12:15 PM	Grab	17			steady	0.02	860	5	
14-Aug-07	3:50 PM	Grab	2			steady	<0.02	1199	0	
17-Sep-07	5:15 PM	Grab	2		12.6	moder	<0.02	1530	1	
15-Oct-07	1:52 PM	Grab	12		18.8	stag		1630	0	
20-Nov-07	7:20 AM	Grab	35		18.9	stag	0.03	1670	0	
17-Dec-07	2:54 PM	Grab	15		22.7	stag	<0.02	2100	0	

### SiteNo: GOU033 Goulburn River North of Old Wooden Bridge Seymour

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
23-Jan-07	4:00 PM	Grab	3		25.4	steady		77	0	
19-Feb-07	6:50 PM	Grab	<8		27.0	steady		62	0	
19-Mar-07	6:54 PM	Grab	<8		20.1	steady		66	0	

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## Waterwatch Victoria Application (WVA) - Site Report

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
22-Apr-07	3:30 PM	Grab	5		13.5	moder		68	10	
25-Apr-07	3:49 PM	Grab	5		13.7	moder		69	0	
05-May-07	1:56 PM	Grab	5		12.8	moder		70	16	
24-Jun-07	3:00 PM	Grab	4		15.1	mediu		70	0	
10-Jul-07	3:00 PM	Grab	20		12.5	mediu		100	4	
21-Oct-07	1:15 PM	Grab	5		12.7	slow		50	0	

### SiteNo: GRO016 Home Bore at 575 Willowmavin Rd, Willowmavin

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
30-Apr-07	5:55 PM	Grab			16.6			1060	35	
05-Aug-07	3:15 PM	Other	17		13.9			1620	2.5	
10-Oct-07	4:30 PM		4		21.1	0		1760	0	
13-Nov-07	4:30 PM	Grab	6		26.1	0		1760	0	

### SiteNo: KUR003 Kurkurac Ck at Crooked Bridges Sth End of Forbes Moranding Rd South

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
28-Jan-07	12:00 PM					dry			0	
20-Feb-07	11:00 AM					stag			0	
08-Apr-07	1:15 PM					dry			0	
29-Apr-07	2:00 PM	Grab	300		10.6	stag		3050	36	
27-May-07	1:30 PM	Grab	8		9.1	stag		6700	0	
17-Jun-07	12:35 PM	Grab	8		10.3	stag		5500	1	
29-Jul-07	3:30 PM	Grab	12		10.5	slow		1030	5.5	
16-Sep-07	3:10 PM	Grab	5		11.6	slow		4800	1	
14-Oct-07	3:10 PM	Grab	8		11.9	slow		8100	0	
06-Nov-07	1:15 PM					dry			7	
22-Dec-07	1:00 PM	Grab	150		24.7	slow		900	95	

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**Waterwatch Victoria Application (WVA) - Site Report**  
**SiteNo: KUR004 Kurkurac Creek tributary at Forbes-Moranding Road**

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
28-Jan-07	12:10 PM	Grab	30		16.8	stag		10550	0	
20-Feb-07	11:20 AM	Grab	20		17.0	stag		9068	0	
08-Apr-07	1:25 PM	Grab	<8		20.4	stag		10160	0	
29-Apr-07	2:20 PM	Grab	25		9.7	stag		3300	36	
27-May-07	1:50 PM	Grab	5		9.3	stag		6600	0	
17-Jun-07	12:55 PM	Grab	7		10.4	stag		5700	1	
29-Jul-07	3:40 PM	Grab	15		10.1	slow		1060	5.5	
16-Sep-07	3:30 PM	Grab	7		12.2	slow		4900	1	
14-Oct-07	3:30 PM	Grab	7		12.1	slow		7300	0	
06-Nov-07	1:20 PM	Grab	20		15.2	stag		8200	7	
22-Dec-07	1:20 PM	Grab	30		23.8	slow		860	95	

**SiteNo: KUR005 Kurkurac Creek at Old Lancefield Road**

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
28-Jan-07	12:05 PM					dry			0	
20-Feb-07	11:05 AM					dry			0	
08-Apr-07	1:20 PM					dry			0	
29-Apr-07	2:10 PM					dry			36	
27-May-07	1:40 PM	Grab	4		11.0	stag		5400	0	
17-Jun-07	12:45 PM	Grab	5		8.8	stag		3100	1	
29-Jul-07	3:50 PM	Grab	9		10.0	slow		1000	5.5	
16-Sep-07	3:20 PM	Grab	6		12.1	slow		3900	1	
14-Oct-07	3:20 PM	Grab	5		12.1	slow		6400	0	
06-Nov-07	1:10 PM					Dry			7	
22-Dec-07	1:10 PM	Grab	400		24.6	slow		400	95	

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**Waterwatch Victoria Application (WVA) - Site Report**  
**SiteNo: KUR007 Kurkuruc Ck at 1st Waterhole near Willowmavin Rd**

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
30-Apr-07	5:10 PM	Grab	5		15.3			4850	35	
31-May-07	4:20 PM	Grab	20		11.3	stag		2500	25	
03-Jun-07	5:10 PM	Grab	20		11.3	stag		2800	0	
29-Jun-07	12:30 PM	Grab	30		9.6	stag		2300	23	
05-Aug-07	2:34 PM	Grab	17.5		11.2	slow		1670	2.5	
10-Oct-07	3:50 PM	Grab	23		16.1	stag		2300	0	
13-Nov-07	7:00 PM	Grab	8		23.1	stag		2800	0	

**SiteNo: KUR008 Kurkuruc Ck at Spiny Rush Waterhole nr Willowmavin Rd**

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
30-Apr-07	5:20 PM	Grab	12		16.3			1040	35	
31-May-07	4:25 PM	Grab	8		11.3	stag		1040	25	
03-Jun-07	5:20 PM	Grab	8		10.2	stag		630	0	
29-Jun-07	12:35 PM	Grab	8		9.4	stag		360	23	
05-Aug-07	2:40 PM	Grab	17.5		10.2	slow		1680	2.5	
10-Oct-07	4:00 PM	Grab	8		19.4	stag		2400	0	
13-Nov-07	7:10 PM					dry			0	

**SiteNo: KUR009 Kurkuruc Ck at Red Waterhole nr Willowmavin Rd**

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
30-Apr-07	5:35 PM	Grab	8		15.6			850	35	
31-May-07	4:30 PM	Grab	13		10.8	stag		890	25	
03-Jun-07	5:35 PM	Grab	13		10.4	stag		1000	0	
29-Jun-07	12:40 PM	Grab	7		9.4	stag		380	23	
05-Aug-07	2:50 PM	Grab	25		11.1	slow		1680	2.5	

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**Waterwatch Victoria Application (WVA) - Site Report**

**Date:**  
 10-Oct-07 4:10 PM Grab  
 13-Nov-07 7:15 PM

**Turb NTU** 8  
**pH pH Units**  
 19.4  
**Temp °C**  
 19.4  
**Flow ML/day** stag  
 dry  
**TPhos mg/L P**  
**EC µS/cm** 2600  
**Rainfall mm** 0  
**DO mg/L** 0

**SiteNo: KUR010 Kurkurac Creek at Willowmavin Road**

Parameters:

**Date:**  
 30-Apr-07 5:45 PM Grab  
 23-May-07 12:25 PM Grab  
 31-May-07 4:40 PM Grab  
 03-Jun-07 5:45 PM Grab  
 29-Jun-07 12:45 PM Grab  
 05-Aug-07 3:00 PM Grab  
 10-Oct-07 4:20 PM Grab  
 10-Oct-07 4:30 PM Grab  
 13-Nov-07 7:20 PM Grab

**Turb NTU** 8  
 10  
 10  
 9  
 22  
 8  
 8  
 120  
**pH pH Units**  
**Temp °C** 13.8  
 10.5  
 9.5  
 8.7  
 10.9  
 15.7  
 15.7  
 21.4  
**Flow ML/day** dry  
 stag  
 stag  
 stag  
 stag  
 slow  
 stag  
 stag  
 stag  
**TPhos mg/L P** 1260  
 470  
 270  
 560  
 1700  
 2300  
 2300  
 3600  
**Rainfall mm** 35  
 6.5  
 25  
 0  
 23  
 2.5  
 0  
 0  
 0  
**DO mg/L**

**SiteNo: KUR015 Kurkurac Creek at Northern Highway**

Parameters:

**Date:**  
 25-Jan-07 3:30 PM Grab  
 03-Feb-07 2:30 PM  
 01-Apr-07 2:00 PM Grab  
 29-Apr-07 1:30 PM Grab  
 19-May-07 4:35 PM Grab  
 29-May-07 2:15 PM Grab  
 03-Jun-07 1:30 PM Grab  
 07-Jul-07 1:15 PM Grab  
 29-Jul-07 1:15 PM Grab  
 27-Aug-07 2:50 PM Grab  
 07-Oct-07 1:00 PM Grab  
 04-Nov-07 2:00 PM Grab

**Turb NTU** <8  
 20  
 30  
 80  
 30  
 5  
 12  
 6  
 6  
 5  
 50  
**pH pH Units**  
**Temp °C** 20.6  
 16.5  
 14.6  
 12.9  
 14.6  
 10.3  
 16.0  
 13.2  
 14.1  
 13.1  
 16.9  
**Flow ML/day** stag  
 dry  
 stag  
 stag  
 stag  
 stag  
 slow  
 mediu  
 mediu  
 slow  
 slow  
 slow  
**TPhos mg/L P** 1295  
 1272  
 1090  
 570  
 1090  
 890  
 570  
 570  
 700  
 860  
 730  
**Rainfall mm** 4  
 1  
 35.5  
 28.5  
 35.5  
 5  
 18.5  
 5.5  
 0  
 0  
 12  
**DO mg/L**

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## Waterwatch Victoria Application (WVA) - Site Report

Date: 02-Dec-07  
 Time: 1:00 PM  
 Sample Type: Grab

Turb NTU 5  
 pH pH Units 14.1  
 Temp °C 14.1  
 Flow ML/day slow  
 TPPhos mg/L P  
 EC µS/cm 1060  
 Rainfall mm 0  
 DO mg/L

### SiteNo: KUR020 Kurkurac Creek at Glenaroua Road bridge

Parameters:

Date: 22-Jan-07 10:30 AM  
 27-Feb-07 11:45 AM  
 27-Mar-07 10:00 AM  
 27-Apr-07 12:30 PM  
 24-May-07 1:00 PM Grab  
 29-Jun-07 1:00 PM Grab  
 25-Jul-07 11:00 AM Grab  
 28-Aug-07 10:20 AM Grab  
 26-Sep-07 10:30 AM Grab  
 30-Oct-07 12:55 PM Grab  
 26-Nov-07 11:20 AM Grab

Turb NTU 19  
 pH pH Units 13.9  
 Temp °C 9.3  
 Flow ML/day slow  
 TPPhos mg/L P 1770  
 EC µS/cm 1270  
 Rainfall mm 7.2  
 DO mg/L 7.2

Turb NTU 20  
 pH pH Units 7.6  
 Temp °C 9.3  
 Flow ML/day mediu  
 TPPhos mg/L P 870  
 EC µS/cm 960  
 Rainfall mm 2.5  
 DO mg/L 2.5

Turb NTU 3  
 pH pH Units 14.3  
 Temp °C 20  
 Flow ML/day slow  
 TPPhos mg/L P 1180  
 EC µS/cm 1230  
 Rainfall mm 6.6  
 DO mg/L 6.6

Turb NTU 12  
 pH pH Units 20.5  
 Temp °C 20.5  
 Flow ML/day stag  
 TPPhos mg/L P 1070  
 EC µS/cm 1180  
 Rainfall mm 0  
 DO mg/L 0

Turb NTU 10  
 pH pH Units 20.5  
 Temp °C 20.5  
 Flow ML/day stag  
 TPPhos mg/L P 1230  
 EC µS/cm 1230  
 Rainfall mm 0  
 DO mg/L 0

### SiteNo: KUR025 Kurkurac Creek at ford in Johnson's Road (Mooney's Lane)

Parameters:

Date: 22-Jan-07 10:20 AM  
 27-Feb-07 11:20 AM  
 27-Mar-07 9:45 AM  
 27-Apr-07 12:00 PM  
 15-May-07 9:10 AM  
 24-May-07 12:00 AM  
 29-Jun-07 12:00 PM  
 25-Jul-07 10:35 AM  
 28-Aug-07 10:30 AM  
 26-Sep-07 10:40 AM  
 30-Oct-07 1:25 PM

Turb NTU 20  
 pH pH Units 22  
 Temp °C 22  
 Flow ML/day stag  
 TPPhos mg/L P 1740  
 EC µS/cm 1980  
 Rainfall mm 7.2  
 DO mg/L 7.2

Turb NTU 19  
 pH pH Units 18.5  
 Temp °C 18.5  
 Flow ML/day stag  
 TPPhos mg/L P 2100  
 EC µS/cm 2100  
 Rainfall mm 2.5  
 DO mg/L 2.5

Turb NTU 30  
 pH pH Units 0.09  
 Temp °C 12.5  
 Flow ML/day dry  
 TPPhos mg/L P 0  
 EC µS/cm 1530  
 Rainfall mm 100  
 DO mg/L 0

Turb NTU 150  
 pH pH Units 12.5  
 Temp °C 12.5  
 Flow ML/day slow  
 TPPhos mg/L P 0.09  
 EC µS/cm 1350  
 Rainfall mm 16.4  
 DO mg/L 16.4

Turb NTU 5  
 pH pH Units 9.4  
 Temp °C 9.4  
 Flow ML/day rapid  
 TPPhos mg/L P 770  
 EC µS/cm 770  
 Rainfall mm 10.5  
 DO mg/L 10.5

Turb NTU 5  
 pH pH Units 9.4  
 Temp °C 9.4  
 Flow ML/day fast  
 TPPhos mg/L P 960  
 EC µS/cm 960  
 Rainfall mm 0  
 DO mg/L 0

Turb NTU 12  
 pH pH Units 13.6  
 Temp °C 13.6  
 Flow ML/day slow  
 TPPhos mg/L P 1080  
 EC µS/cm 1080  
 Rainfall mm 0  
 DO mg/L 0

Turb NTU 9  
 pH pH Units 18.8  
 Temp °C 18.8  
 Flow ML/day slow  
 TPPhos mg/L P 1430  
 EC µS/cm 1430  
 Rainfall mm 0  
 DO mg/L 0

Turb NTU 5  
 pH pH Units 18.8  
 Temp °C 18.8  
 Flow ML/day stag  
 TPPhos mg/L P 1430  
 EC µS/cm 1430  
 Rainfall mm 0  
 DO mg/L 0

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### Waterwatch Victoria Application (WVA) - Site Report

**Date:** 26-Nov-07  
**Time:** 11:30 AM  
**Sample Type:** Grab

**Turb NTU** 8  
**pH pH Units**  
**Temp °C** 25.5  
**Flow ML/day** stag  
**TPhos mg/L P**  
**EC µS/cm** 1790  
**Rainfall mm** 0  
**DO mg/L**

**SiteNo:** MOL003 Mollison Creek at Nullavale

Parameters:

**Date:** 24-Aug-07  
**Time:** 11:00 AM  
**Sample Type:** Grab

**Turb NTU** 5  
**pH pH Units**  
**Temp °C** 12.2  
**Flow ML/day**  
**TPhos mg/L P**  
**EC µS/cm** 379  
**Rainfall mm** 0  
**DO mg/L**

**SiteNo:** MOL008 Mollison Creek at Pyalong under Highway Bridge

Parameters:

**Date:**  
**Time:**  
**Sample Type:**

03-Feb-07	4:00 PM	Grab	50		17.4				1930	0		0
25-Feb-07	5:00 PM	Grab	50		20.3	stag			1194	4		4
01-Apr-07	3:20 PM	Grab	25		16.8	stag			864	1		1
29-Apr-07	3:00 PM	Grab	25		14.5	stag			430	35.5		35.5
29-May-07	3:35 PM	Grab	25		14.5	stag			430	35.5		35.5
03-Jun-07	3:00 PM	Grab	8		9.6	slow			1270	5		5
07-Jul-07	2:45 PM	Grab	10		14.3	mediu			630	18.5		18.5
29-Jul-07	2:45 PM	Grab	6		13.2	mediu			650	5.5		5.5
27-Aug-07	3:10 PM	Grab	6		14.8	slow			670	0		0
07-Oct-07	1:10 PM	Grab	5		13.0	slow			850	0		0
04-Nov-07	2:10 PM	Grab	8		16.9	slow			1040	12		12
02-Dec-07	1:10 PM	Grab	14		13.9	slow			1200	0		0
26-Dec-07	11:30 AM	Grab	17		15.7	stag			1471	0		0

**SiteNo:** MOL010 Mollison Creek after Pyalong

Parameters:

**Date:**  
**Time:**  
**Sample Type:**

03-Feb-07	3:45 PM											
25-Feb-07	4:45 PM											
01-Apr-07	3:30 PM											

**Turb NTU**  
**pH pH Units**  
**Temp °C**  
**Flow ML/day**  
**TPhos mg/L P**  
**EC µS/cm**  
**Rainfall mm**  
**DO mg/L**

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## Waterwatch Victoria Application (WVA) - Site Report

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
29-Apr-07	2:45 PM	Grab	15		14.3	stag		2800	35.5	
29-May-07	3:20 PM	Grab	15		14.3	stag		2800	35.5	
03-Jun-07	2:45 PM	Grab	5		9.4	slow		1380	5	
07-Jul-07	2:30 PM	Grab	30		14.4	mediu		760	18.5	
29-Jul-07	2:30 PM	Grab	5		14.2	mediu		720	5.5	
27-Aug-07	3:20 PM	Grab	5		15.3	mediu		680	0	
07-Oct-07	1:20 PM	Grab	5		13.3	mediu		880	0	
04-Nov-07	2:20 PM	Grab	6		17.1	mediu		1080	12	
02-Dec-07	1:20 PM	Grab	8		13.9	slow		1450	0	
26-Dec-07	11:40 AM					dry			0	

### SiteNo: MOL012 Mollison Creek at Ford on White Gate Road

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
03-Feb-07	2:45 PM	Grab	30		17.9	stag		3420	0	
25-Feb-07	3:45 PM	Grab	40		20.4	stag		1282	4	
01-Apr-07	2:15 PM	Grab	20		16.5	stag		1543	1	
29-Apr-07	1:45 PM	Grab	8		14.6	stag		1750	35.5	
29-May-07	2:35 PM	Grab	8		14.6	stag		1750	35.5	
03-Jun-07	1:45 PM	Grab	5		10.3	slow		1900	5	
07-Jul-07	1:30 PM	Grab	15		15.0	fast		850	18.5	
29-Jul-07	1:30 PM	Grab	6		12.9	slow		890	5.5	
27-Aug-07	3:40 PM	Grab	6		15.2	fast		870	0	
07-Oct-07	1:40 PM	Grab	17		13.2	mediu		1460	0	
04-Nov-07	2:40 PM	Grab	13		16.6	mediu		1500	12	
02-Dec-07	1:40 PM	Grab	15		13.5	slow		1850	0	

### SiteNo: MOL020 Mollison Creek at Glenaroua

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
03-Feb-07	3:00 PM					dry			0	

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## Waterwatch Victoria Application (WVA) - Site Report

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
25-Feb-07	4:00 PM	Grab	60		20.2	stag		796	4	
01-Apr-07	2:30 PM	Grab	60		16.5	stag		903	1	
29-Apr-07	2:00 PM	Grab	20		14.7	stag		860	35.5	
29-May-07	2:50 PM	Grab	20		14.7	stag		860	35.5	
03-Jun-07	2:00 PM	Grab	10		10.4	slow		2200	5	
07-Jul-07	1:45 PM	Grab	30		15.9	mediu		950	18.5	
29-Jul-07	1:45 PM	Grab	8		13.0	mediu		1560	5.5	
27-Aug-07	3:35 PM	Grab	8		15.4	slow		1120	0	
07-Oct-07	1:45 PM	Grab	9		12.7	stag		1160	0	
04-Nov-07	2:45 PM	Grab	6		17.0	stag		970	12	
02-Dec-07	1:45 PM	Grab	40		13.6	stag		1910	0	
26-Dec-07	10:45 AM	Grab	60		15.6	stag		2920	0	

### SiteNo: MOL021 Mollison Bridge East end of Glenaroua

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
03-Feb-07	3:15 PM	Grab	25		17.3	stag		1790	0	
25-Feb-07	4:15 PM					dry			4	
01-Apr-07	2:45 PM					dry			1	
29-Apr-07	2:15 PM	Grab	30		14.6	stag		830	35.5	
29-May-07	3:00 PM	Grab	30		14.6	stag		830	35.5	
03-Jun-07	2:15 PM	Grab	5		10.2	slow		2200	5	
07-Jul-07	2:00 PM	Grab	30		15.8	fast		950	18.5	
29-Jul-07	2:00 PM	Grab	7		13.1	mediu		880	5.5	
27-Aug-07	3:30 PM	Grab	7		15.3	mediu		890	0	
07-Oct-07	1:30 PM	Grab	8		13.3	slow		1180	0	
04-Nov-07	2:30 PM	Grab	200		17.1	slow		590	12	
02-Dec-07	1:30 PM	Grab	15		14.1	slow		1430	0	
26-Dec-07	11:00 AM	Grab	30		15.6	stag		1416	0	

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**Waterwatch Victoria Application (WVA) - Site Report**  
**SiteNo: MOL025 Mollison Creek u/s of confluence with Sugarloaf Creek**

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
22-Jan-07	10:40 AM	Grab	300		21	stag		6300	7.2	
27-Feb-07	12:00 PM					dry			2.5	
27-Mar-07	10:15 AM					dry			10	
27-Apr-07	1:00 PM					dry			0	
24-May-07	12:20 PM	Grab	80		12.5	slow		920	16.4	
29-Jun-07	12:15 PM	Grab	3		9.7	slow		2000	10.5	
25-Jul-07	10:40 AM	Grab	3		7.7	fast		950	0	
28-Aug-07	11:00 AM	Grab	8		13.1	mediu		950	0	
26-Sep-07	11:00 AM	Grab	8		12.9	mediu		1130	0	
30-Oct-07	1:05 PM	Grab	15		19.6	slow		1470	0	
26-Nov-07	11:50 AM	Grab	8		26.7	stag		1870	0	

**SiteNo: NAN010 Nanny Creek at Kilmore East/Sunday Creek Road**

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
17-Jan-07	12:00 PM					dry				
21-Feb-07	12:00 PM					dry				
01-Mar-07	12:00 PM	Grab				dry				
18-Apr-07	12:00 PM					dry				
16-May-07	12:00 PM					dry				
27-Jul-07	9:00 AM	Grab	50		9.8	rising		380	5	
14-Aug-07	1:30 PM	Grab	30		13.3	steady		520	0	
17-Sep-07	5:30 PM	Grab	16		14.6	stag		1034	0	
14-Oct-07	6:00 PM	Grab	15		19.3	stag		1885	0	
19-Nov-07	1:35 PM					dry				

**Waterwatch Victoria Application (WVA) - Site Report**  
**SiteNo: NAN015 Nanny Creek at Broadford Wandong Road**

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
17-Jan-07	12:00 PM					dry				
21-Feb-07	12:00 PM					dry				
21-Mar-07	12:00 PM					dry				
18-Apr-07	12:00 PM					dry				
16-May-07	12:00 PM					dry				
27-Jul-07	9:00 AM	Grab	20		9.9	rising	<0.02	660	5	
14-Aug-07	1:40 PM	Grab	14		13.7	steady	0.04	885	0	
17-Sep-07	5:30 PM	Grab	10		14.5	stag	<0.02	1264	0	
14-Oct-07	5:30 PM	Grab	1		17.5	stag		1402	0	
19-Nov-07	1:36 PM					dry				

SiteNo: SUG001 Sugarloaf Creek behind Julian's home

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
22-Jan-07	10:00 AM	Grab	17		20.5	stag		3200	7.2	
27-Feb-07	11:00 AM	Grab	20		22.3	stag		4300	2.5	
27-Mar-07	9:30 AM	Grab	13		16.6	stag		4800	10	
24-May-07	11:40 AM	Grab	175		13.9	low		1400	16.4	
29-Jun-07	11:50 AM	Grab	3		9.5	mediu		1400	10.4	
25-Jul-07	10:20 AM	Grab	3		8.6	fast		950	0	
28-Aug-07	10:00 AM	Grab	14		12.5	mediu		970	0	
26-Sep-07	10:10 AM	Grab	9		14.4	mediu		1070	0	
30-Oct-07	12:40 PM	Grab	8		19.1	slow		1420	0	
26-Nov-07	11:00 AM	Grab	8		20.9	stag		1430	0	

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**Waterwatch Victoria Application (WVA) - Site Report**  
**SiteNo: SUG010 Sugarloaf Creek at Broadford-Sugarloaf Creek Road**

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
17-Jan-07	5:30 PM	Grab	12		26.8	stag		2200	2	
12-Mar-07	3:00 PM	Grab	15		22.7	stag		2700	0	
18-Apr-07	11:40 AM	Grab	10		15.6	stag		2600	0	
02-Jun-07	2:57 PM	Grab	160		12.3	slow		1060	5	
30-Jun-07	3:00 PM	Grab	18		9.3	mediu		1320	17	
31-Jul-07	2:25 PM	Grab	8		10.1	mediu		900	5	
30-Aug-07	11:30 AM	Grab	14		14.0	steady		960	0	
30-Sep-07	2:05 PM	Grab	13		14.7	mediu		1040	2	
30-Oct-07	12:05 PM	Grab	10		17.5	very		1270	2	
29-Nov-07	4:55 PM	Grab	8		26.5	stag		1340	0	
23-Dec-07	3:10 PM	Grab	400		18.5	strong		520	100	

**SiteNo: SUG018 Sugarloaf Creek at Pyalong-Tallarook Rd**

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
17-Jan-07	5:15 PM	Grab	10		28.4	stag		3400	2	
12-Mar-07	2:15 PM	Grab	37		20.2	stag		5100	0	
18-Apr-07	11:07 AM	Grab	40		12.7	stag		1820	0	
02-Jun-07	2:35 PM	Grab	160		12.6	slow		1210	5	
30-Jun-07	2:45 PM	Grab	18		9.9	mediu		1660	17	
30-Aug-07	11:00 AM	Grab	14		13.2	steady		960	0	
30-Sep-07	1:50 PM	Grab	10		14.4	mediu		1020	2	
30-Oct-07	11:35 AM	Grab	10		17.3	slow		1290	2	
29-Nov-07	4:45 PM	Grab	8		27.9	stag		1560	0	
23-Dec-07	2:50 PM	Grab	350		18.5	strong		510	100	

**Waterwatch Victoria Application (WVA) - Site Report**  
**SiteNo: SUG020 Sugarloaf Creek at ford in Ashes Bridge Road**

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
17-Jan-07	5:00 PM	Grab	12		27.6	stag		2400	2	
12-Mar-07	1:30 PM	Grab	16		18.8	stag		2700	0	
18-Apr-07	10:30 AM	Grab	10		13.5	stag		2200	0	
02-Jun-07	2:16 PM	Grab	85		11.2	slow		1370	5	
30-Jun-07	2:25 PM	Grab	13		9.5	low		1790	17	
31-Jul-07	1:35 PM	Grab	8		9.9	mediu		930	5	
31-Jul-07	2:10 PM	Grab	8		10.3	mediu		910	5	
30-Aug-07	10:30 AM	Grab	13		12.7	steady		950	0	
30-Sep-07	1:30 PM	Grab	9		13.9	mediu		1050	2	
30-Oct-07	11:05 AM	Grab	8		18.2	very		1220	2	
29-Nov-07	4:25 PM	Grab	8		24.9	stag		1390	0	
23-Dec-07	2:35 PM	Grab	350		18.4	strong		480	100	

**SiteNo: SUG024 Sugarloaf Creek at ford near Seymour**

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
23-Jan-07	3:45 PM	Grab	5		25.1			82.5	0	
19-Mar-07	6:30 PM	Grab	20		20.4	stag		626	0	
25-Apr-07	3:18 PM	Grab	4		13.7	stag		2900	0	
05-May-07	1:36 PM	Grab	5		13.2	stag		2400	16	
15-May-07	9:00 AM	Grab					<0.02			
24-Jun-07	1:30 PM	Grab	20		15.1	stag		1610	0	
10-Jul-07	2:30 PM	Grab	10		13.3	mediu		1490	4	
19-Oct-07	10:05 AM	Grab	8		18.7	slow		1230	0	
21-Oct-07	2:05 PM	Grab	5		13.2	very		1180	0	

Waterwatch Victoria Application (WVA) - Site Report  
**SiteNo: SUN001** Sunday Creek below Ford at Anderson Gardens

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
08-Feb-07	10:00 AM	Grab				0			0	
31-Jul-07	2:35 PM	Grab	6		10.4	slow		390	4	
22-Dec-07	1:30 PM	Grab	80		18.3	slow		240	60	

**SiteNo: SUN003** Sunday Creek at Hibbard's Road at Clonbinane

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
08-Feb-07	10:50 AM	Grab				0			0	
02-May-07	1:15 PM	Grab				0			0	
31-Jul-07	2:20 PM	Grab	6		11.1	slow		740	4	
22-Dec-07	1:15 PM	Grab	100		18.1	steady		320	60	

**SiteNo: SUN004** Sunday Ck at Ryans Rd Waterford Park

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
08-Feb-07	10:55 AM	Grab				0			0	
02-May-07	1:00 PM	Grab	8		15.3	0		590	0	
31-Jul-07	2:10 PM	Grab	8		10.4	mediu		840	4	
22-Dec-07	1:00 PM	Grab	8		18	strong		390	60	

**SiteNo: SUN005** Sunday Creek on Spur at Clonbinane

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
08-Feb-07	11:00 AM	Grab				0			0	
02-May-07	12:50 PM	Grab				0			0	
31-Jul-07	2:00 PM	Grab	8		10.8	slow		860	4	

Report Date: 03 Jul 2008Field60

# Waterwatch Victoria Application (WVA) - Site Report

Date: 20-Dec-07  
 Time: 2:00 PM  
 Sample Type: Grab

## SiteNo: SUN015 Sunday Creek at High St, Broadford

### Parameters:

#### Date: Time: Sample Type:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
16-Jan-07	10:30 AM	Grab	35		22.1	steady		443	0	
20-Mar-07	2:55 PM	Grab	100		19.7	stag		177	23	
17-Apr-07	11:30 AM	Grab	95		16.6		0.19	329	0	
15-May-07	5:18 PM	Grab	90		14.6	0	0.26	267	5.6	
18-Jun-07	4:10 PM	Grab	12		8.5	stag	0.07	529	0	
17-Jul-07	9:55 AM	Grab	2			steady	<0.02	680	0	
14-Aug-07	3:55 PM	Grab	2			steady	0.05	846	0	
17-Sep-07	5:36 PM	Grab	3		12.7	low	<0.02	1120	1	
15-Oct-07	2:13 PM	Grab	13		18.9	stag		1310	0	
20-Nov-07	7:42 AM	Grab	5		19.8	stag	<0.02	1530	0	
17-Dec-07	3:24 PM	Grab	8		23.8	stag	0.04	1300	0	

## SiteNo: SUN016 Sunday Creek at Last St after Broadford

### Parameters:

#### Date: Time: Sample Type:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
16-Jan-07	10:20 AM	Grab	25		22.5	0	0.03	2380	0	
20-Mar-07	2:45 PM	Grab	65		19.3	stag		2490	23	
17-Apr-07	11:10 AM	Grab	27		18.3	v.low	<0.02	2630	0	
15-May-07	5:10 PM	Grab	14		14.7	0	<0.02	2400	5.6	
18-Jun-07	4:00 PM	Grab	8		8.9	stag	0.06	1851	0	
17-Jul-07	9:45 AM	Grab	3			steady	<0.02	740	0	
14-Aug-07	4:00 PM	Grab	3			steady	0.02	930	0	
17-Sep-07	5:25 PM	Grab	3		12.9	low	<0.02	1460	1	
15-Oct-07	2:04 PM	Grab	26		20	stag		1490	0	
20-Nov-07	7:33 AM	Grab	14		20.9	stag	0.02	1320	0	
17-Dec-07	3:15 PM	Grab	16		23.7	stag	0.03	1460	0	

Report Date: 03 Jul 2008Field60

Waterwatch Victoria Application (WVA) - Site Report

**SiteNo:** SUN017 Sunday Creek at Kenny's Lane

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
16-Jan-07	8:00 PM	Grab				dry				
20-Feb-07	12:00 PM					dry				
20-Mar-07	12:00 PM					dry				
20-Apr-07	12:00 PM					dry				
20-May-07	12:00 PM					dry				
20-Jun-07	12:00 PM					dry				
20-Jul-07	12:00 PM					dry				
21-Aug-07	4:00 PM	Grab	30		10	rising		872		
24-Sep-07	5:10 PM	Grab	18		21	steady		1387		0
14-Oct-07	10:30 AM	Grab	20		17.6	steady		1664		0
20-Nov-07	1:00 PM	Grab	20		28.5	stag		1851		0

**SiteNo:** SUN018 Sunday Creek on Dockery's Road before Tallarook

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
16-Jan-07	8:25 PM	Grab	18		29.5	stag	0.1	2620	0	
15-May-07	7:15 PM	Grab	40		19.1	stag	0.08	1426	5	
21-Aug-07	4:15 PM	Grab	12		10	rising		954		
24-Sep-07	5:25 PM	Grab	30		19.2	falling		1322	0	
14-Oct-07	10:50 AM	Grab	60		18.5	stag		1600	0	
20-Nov-07	1:20 PM	Grab	55		27	stag	0.14	1796	0	

**SiteNo:** SUN020 Sunday Creek at Pyalong-Tallarook Road near Sharp and Taylors Rd

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH Units	Temp °C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
16-Jan-07	8:05 PM	Grab	18		29	stag		2050	0	

Report Date: 03 Jul 2008Field60

## Waterwatch Victoria Application (WVA) - Site Report

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp ° C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
15-May-07	7:45 PM	Grab	20		18.8		0.03	1890	5	
21-Aug-07	4:30 PM	Grab	50		10	steady		830		
24-Sep-07	5:45 PM	Grab	10		19.2	steady		1145	0	
14-Oct-07	12:40 PM	Grab	30		19.4	steady		1328	0	
20-Nov-07	2:15 PM	Grab	25		28.3	stag	0.03	1430	0	

### SiteNo: SUN025 Sunday Creek at Northwood Road upstream of Goulburn River

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp ° C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
23-Jan-07	3:45 PM	Grab	5		25.1	stag		83	0	
19-Feb-07	6:35 PM	Grab	12		28.3	stag		107	0	
19-Mar-07	6:48 PM	Grab	15		20.2	stag		78	0	
25-Apr-07	3:45 PM	Grab	5		13.3	stag		80	0	
05-May-07	1:50 PM	Grab	5		13.2	stag		100	16	
24-Jun-07	3:55 PM	Grab	10		13.2	stag		250	0	
10-Jul-07	2:55 PM	Grab	12		12.6	mediu		970	4	
19-Oct-07	10:30 AM	Grab	15		19.2	slow		460	0	
21-Oct-07	1:30 PM	Grab	8		13.0	slow		240	0	

### SiteNo: SUN026 Sunday Creek from Pucka/Seymour Road Bridge

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp ° C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
23-Jan-07	4:20 PM	Grab	8		24.9	0		579	0	
19-Feb-07	6:20 PM	Grab	35		28.9	0		493	0	
19-Mar-07	6:40 PM	Grab	30		20.4	0		240	0	
25-Apr-07	3:30 PM	Grab	10		13.4	0		307	0	
05-May-07	1:45 PM	Grab	7		13.0	0		740	16	
24-Jun-07	3:46 PM	Grab	20		15.2	0		1480	0	
10-Jul-07	2:45 PM	Grab	8		14.0	mediu		1390	4	
19-Oct-07	10:15 AM	Grab	30		18.8	slow		1270	0	
21-Oct-07	1:45 PM	Grab	30		12.9	slow		1240	0	

Report Date: 03 Jul 2008Field60

Waterwatch Victoria Application (WVA) - Site Report

**SiteNo: XDR001 Unamed Ck into Dry at Moira Kelly Foundation Gateway**

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp ° C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
08-Feb-07	10:30 AM					0			0	
02-May-07	12:20 PM	Grab	300		15.6	0		100	0	
31-Jul-07	3:00 PM	Grab	50		10.3	0		190	4	
22-Dec-07	2:00 PM	Grab	500		17.6	0		80	60	

**SiteNo: XDR002 U/Ck into Dry adjacent to 290 Saunders Rd**

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp ° C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
08-Feb-07	11:10 AM					0			0	
02-May-07	12:30 PM	Grab	300		15.5	0		280	0	

**SiteNo: XSU001 U/Ck into Sunday at end of Saunders Rd**

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp ° C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
08-Feb-07	10:40 AM					dry			0	
02-May-07	12:40 PM					dry			0	
31-Jul-07	2:50 PM	Grab	30		10.6	slow		280	4	
22-Dec-07	1:50 PM	Grab	400		16.6	slow		100	60	

**SiteNo: XSU005 U/CK into Sunday b/w Freeway & Service Station on Broadford/Strath Creek Rd**

Parameters:

Date:	Time:	Sample Type:	Turb NTU	pH pH Units	Temp ° C	Flow ML/day	TPhos mg/L P	EC µS/cm	Rainfall mm	DO mg/L
03-Feb-07	6:15 PM					0			0	

**Waterwatch Victoria Application (WVA) - Site Report**  
**SiteNo: XSU010 U/Ck into Sunday - Front of Motorcycle Complex on Broadford/Strath Creek Rd**

Parameters:

Date: 03-Feb-07      Time: 6:30 PM      Sample Type:

Turb NTU      pH pH Units      Temp °C      Flow ML/day      TPhos mg/L P      EC µS/cm      Rainfall mm      DO mg/L

0