

# Minimum flows & the Cardrona





# Tonight:

1.

Welcome / overview

2.

Issues

3.

Current situation

*Hydrological and ecological values*

*(Matt Dale , Water Scientist)*

4.

Small group discussion

*Current & future economic, social, cultural, recreational  
values of the Cardrona catchment*

5.

Group presentations

6.

Where to from here

**Finish 9.00pm - tea /coffee**



# Introduction

- What are minimum flows?
- Why are minimum flows needed?
- Where else already has minimum flows?
- Where else are minimum flows being set?
- Community involvement



# The Process

**PRE-WORKSHOP CONSULTATION / FIELD TRIPS /  
KNOWLEDGE BUILDING**

**Workshop #1**  
- catchment values

**Workshop #2**  
- options

**Workshop #3+**  
- recommendations

**Consultation paper**

**Notify proposed plan change**

**RMA  
process**

**Changes put into effect**



**PRE-WORKSHOP  
CONSULTATION / FIELD TRIPS /  
KNOWLEDGE BUILDING**



**Workshop #1  
- catchment values**

- community values
- types of flows
- ecological values





PRE-WORKSHOP CONSULTATION / FIELD TRIPS /  
KNOWLEDGE BUILDING



Workshop #1  
- catchment values



## Workshop #2 - flow scenarios

- flow scenarios
- effect on key values
- Socio-economic impacts



**PRE-WORKSHOP CONSULTATION / FIELD TRIPS /  
KNOWLEDGE BUILDING**

**Workshop #1**  
- catchment values

**Workshop #2**  
- flow scenarios

**Workshop #3+**  
**- recommendations**

- flow regime and limit
- discarded options
- benefits, costs, risks
- monitoring



**PRE-WORKSHOP CONSULTATION / FIELD TRIPS /  
KNOWLEDGE BUILDING**



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**Workshop #2**  
- flow scenarios



**Workshop #3+**  
- recommendations



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# Questions

## What are the current values:

- Cultural / social / historical?
- Economic? - how is the river linked?
- Recreational?
- Environmental?

## What about the future values:

- How would you like to see the river?
- What activities would be important for the community?
- What activities would you like your grandchildren to experience?
- What growth opportunities are enabled by the taking of water?
- What are the risks to this growth happening?



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# Where to from here:

- Timeline

- workshop 2 – tbc
- workshop 3 – tbc
- pre-notification meeting -  
2011 *(if needed)*
- notification – 2011

*NB. These times may vary*

- Keep in contact

- Phone / email / contact sheet