

# TAKAKA FRESHWATER AND LAND ADVISORY GROUP

## AGENDA

9.30AM – 3.30PM / FRIDAY 26 JUNE 2015 / TAKAKA FIRE STATION

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### Purpose of meeting:

- Understand the current approach to water quantity management in the TRMP
- Understand the process for deciding flow regimes, limits and water allocation management, using Onekaka Zone as an example
- Water wheel – demonstrate the various sensitivities thorough-out the Takaka Catchments.
- Start work on indentifying attribute thresholds

**9.30 am**      **Welcome & Karakia**

*Outline of the day.*

**9.35**            **Check-in**

*Anyone can share once, on anything 'going on' for them*

**9.40**            **Updates**

- Gunsboro consent application update (Mary-Anne, 5mins)
- Employment Statistics (Mik S, 5mins)
- Summary of feedback on values and management objectives (Lisa, 2 mins)
- Water Conservation Order (Mary-Anne, Margie, 5 mins)

### Session 1:      **The Water Wheel**

**10.00**            **Water Wheel modelling for the whole Freshwater Management Unit (FMU)**

- Demonstrate sensitivity for chosen attributes (indicators) of entire system at pinch points (points of obligation).
- Discussion of usefulness of Water Wheel modelling for understanding scenario outcomes.

*Presentation – Tim Kerr & Julian Weir (Aqualinc), Andrew F (Landcare) (30 mins)  
Group discussion and feedback (15 mins)*

**10.45**            **Kapu Ti/ Break**

**11.00**            **Water Wheel modelling – thresholds for the Water Wheel attributes**

For each attribute on the Water Wheel, FLAG need to decide what levels are red, orange, yellow and green (i.e. unacceptable through to fully acceptable outcomes).

*Presentation & working through an example as a group -*

*Andrew Fenemor, Tim Kerr, Julian Weir (25 mins)*

*FLAG - decide whether to complete work in a separate meeting or via email (5 mins)*

**11.30**            **Scenario Modelling**

Update on water quantity and water quality modelling for limit setting, combining science knowledge with community values

*Presentation with Q&A, Julian Weir (15 mins)*

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### Session 2: The three elements of water allocation management

- Allocation limits
- The minimum flow management regime
- Security of supply

#### 11.45 Determination of Flow Statistics

- Calculating the 7day-MALF and the 5yr-7day Low Flow
- Presentation – TDC staff (15 min)*

#### 12.00 Allocation process overview

- Options for managing minimum flows
  - Current approaches in the TRMP
  - Rationing, rostering and cease take provisions
- The Allocation Triangle
  - Determining minimum flows
  - Security of supply
  - Allocation limits

*Presentation – TDC staff (30 min)*

*Group Discussion, Q& A (15 mins)*

#### 12.45 LUNCH

#### 1.30 Setting Ecological Flows

- Methods for setting minimum flows
  - IBI
  - RiVAS
  - Optimum flows and habitat

*Presentation – TDC staff (30 min)*

*Group Discussion, Q& A (15 mins)*

### Session 3: Summary and Project Management

#### 2.15 Summary

- Reflection on today – where to from here
- Next meeting dates are: 24 July, 21<sup>st</sup> August
- Next steps – upcoming meeting agenda.

#### 3.00 FINISH