

# TAKAKA FRESHWATER AND LAND ADVISORY GROUP

## AGENDA

9.30AM – 3.00PM / FRIDAY 24 APRIL 2015 / TAKAKA FIRE STATION

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### Purpose of meeting:

Update on outcomes/work plan from consultation and attribute sub groups and agreement from FLAG to proceed

Increase understanding of local nitrate levels and implications for local ecosystem values

Determine freshwater management zones

Discuss range of methods/tools for implementing freshwater management

### 9.30 AM Welcome & Karakia

*Outline of the day.*

### 9.40 Check-in

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

### 9.50 Updates

- Iwi involvement (*Margie, Mik, Mary-Anne*)
- Water Conservation Order (*Margie, Mary-Anne*)
- Trees - Community Board agenda item (*Mary-Anne*)(covered in emails)
- Nitrates session – overseer model (*Mirka & all*)
- Sharing learning - request for Takaka FLAG materials (*Rochelle*)
- Update sessions – approach (*Rochelle*)

### 10.30 Update & Agree

- Attribute identification for waterwheel (*Andrew & attributes sub-group*)
- Community consultation (*Mary-Anne & consultation sub-group*)

### 11.00 Kapu Ti/ Break

*Please resume on time*

### 11.15 Nitrates and ecosystem values - presentation

Nitrate levels in Te Waikoropupu Springs and Motupipi – current state of water and implications for ecosystem values.

*Report on findings from science work commissioned by TDC (Mary-Anne, Joseph)*

- work completed by John Stark, Cawthron, and Chris Hickey, NIWA.

### 11.45 Nitrates and freshwater values - discussion

*Q&A & discussion on science findings.*

*Where to next - water wheel scenarios?*

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- 12.00**            **Freshwater Management Zones 1**  
Drawing zone boundaries – the science and policy approach, including:
- Zone by zone analysis of surface and groundwater flows, geology, associated values and management considerations.
  - Proposed zones for western catchments, eastern catchments, Wainaro, Takaka gravels, Arthur marble
- Presentation on how zone boundaries have been determined.  
(Mary-Anne, Joseph, Andrew F) 45 min: includes time for questions of clarification.*
- 12.45**            **LUNCH**
- 1.15 PM**        **Freshwater Management Zones 2**  
FLAG review of zone boundaries  
*Individual checking of mapped boundaries providing feedback, including any suggested changes (15 mins)*  
*Confirm key locations to use for water wheel modelling- “pinch points” (10 mins)*
- 1.45**            **Freshwater management – what’s in the ‘tool box’**  
The range of implementation methods, their costs and benefits, and effectiveness  
*Presentation (Mary-Anne) (30 mins)*  
*Q&A & discussion (15 mins)*
- 2.30**            **Summary**
- Reflection on today
  - Action points from today (to be included in meeting notes – please check these)
  - Next meeting dates are: 22 May, 26 July, 24 August
  - Sub-group meetings: ?
  - Summary of where we are now and next steps.
- 3.00**            **FINISH**