# WAIHI & TE MOANA

Catchment Group input to OTOP Zone Committee – August 2017

Ad Hendriks & Rhys Taylor



# WAIHI (AT GERALDINE)

The group has participants from town (Geraldine & Temuka) and country, from farming, from conservation/recreation interests and TDC, in lively dialogue.

It encourages on-farm GMP, promotes care of river habitat (biodiversity) and helps link water users with those who can influence rivers.

Today's speaker Ad, and also his wife Anita, are active members (dairy farm at Raukapuka, East of Geraldine)





# THE GROUP

Hannah was our first facilitator (2014-2015) & Rhys then a member, now facilitator



# FIELD VISITS MADE BY GROUP

To dairy & deer farms, conservation projects, river engineering works, drinking water protection zone.

- Protect river quality for swimming and also nearby drinking supply.
- Encourage TDC to mitigate storm-water impacts from towns, and resist streamside septic tanks in new development (connect sewer instead).
- Train volunteers as water samplers, loan equipment for higher accuracy results.



## RESPONDING TO PUBLIC INTEREST

Before & After on a Barkers Creek deer farm, 2017



### A FUTURE FOCUS

We seek sustainable waterways fit for the next generation of land users.

Change to current practices takes time but advice, grants and intelligent Regional Council rules can help that progress.

Here are our group's suggestions.



- Encourage native forest plantings for carbon store and biodiversity,
- Protect now-rare existing forest remnants near rivers, such as Waihi above Woodbury.
- Better weed control on Te Moana, as seen on Waihi. Need a Rating District there?

## PROTECTING BIODIVERSITY

- Show how Good Management
   Practice works (educate, illustrate, give evidence).
- Better soil maps as base for rules for N emissions.
- Promote GMP on small blocks too.
- If N 'caps' used, must be equitable to current low emitters. We don't support N emission trading as it threatens small farms.

### Fence to lift water quality

### AL.WILLIAMS

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A 1km strip along a stream has been fenced in an effort to lift water quality in the Waihi Gorge near Geraldine.

The stretch of fencing has been erected inland of a bepartment of Conservation campsite where E.coli warnings are issued on a regular basis during the summer months.

The \$10,000 project has been funded by the neighbouring landowner to ensure stock will not get in the waterway.

The project was completed this year after the Waihi Catchment Group raised concerns and discussions got underway with local authorities.

Environment Canterbury zone manager Michael Hide said there had been health warnings at the Doc campsite at Waihi Gorge, after testing identified traces of E.coli in the water.

"When the neighbouring landowner was approached about it, they were keen to do something about it. They



Combined effort . . . Surveying the Waihi Gorge area are (from left) Waihi Station farm worker Mark Mallinson, ECan senior land management adviser lan Lyttle and Waihi Station farm manager Tim Sowden.

would like to get the warning signs removed," Mr Hide said.

Upstream land use, specifically sheep and beef farming use, had contributed to the issue, he said.

"From discussions between Ian Lyttle, senior land management advisrr for ECan and the landowner, the landowner agreed to do the fencing," Mr Hide said.

Last week, ECan staff again met Waihi Station farmers to discuss ways to further improve water quality in the area.

Mr Hide said the main objective of the project was to reduce E.coli inflow into the Waihi area and monitoring would be ongoing.

## BETTER EXPLANATION OF G.M.P.



highlight the value of waterways in The works of Tim Rimmer, Jeanette Newton and Michael Bajko will be on display at the Geraldine Historical Museum and Orari-Temuka-Opihi-Pareora

Healthy Catchments Project meetings this month in a combined effort to draw attention to how the community uses and values water. **Environment Canterbury** community engagement co

ordinator Rhys Taylor and the Waihi Catchment Group, with help from South Canterbury photographer Geoff Cloake. Mr Taylor said it was about "drawing attention to local waterways and how we use and

value them . . . This poster display features valued places in South Canterbury river catchments. The display was timed to

accompany the project's public meetings in November, February and March, including one to be held in Geraldine on Monday from 7pm at the Waihi Lodge, Mr Taylor

Project information and details of other meetings can be viewed at www.ecan.govt.nz/healthy



Newton and Michael Baiko pose at the winners' presentation, held at the

- documentary set of up to four photos. Won by Tim Rimmer with a set featuring the Waihi River where it runs dry on the surface — the flow ★ A place for wildlife — Birds.
- Jeanette Newton for her shags ★ Beauty and delight in water
- Light on water will sparkle, offer reflections, show patterns from filtered sunshine and shadows, the banks offer autumn tints of colour. Won by Michael Baiko for his picture of the Wainono Lagoon, near Waimate, looking beautiful despite



- Riparian planting encouraged but owners must have access over fences to manage silt and weeds.
- > Relative size of contribution of waterfowl and livestock E-coli not yet clear, in planted areas. Any research available?
- Scope for more small wetlands and protected springs, on farmland's wet spots.

# RIPARIAN PROJECTS, COMMUNICATION



- Maintain minimum river flows in summer for invertebrate & fish health (and to allow swimming).
- Use insect indicators of health: as found in upper Waihi.
- New water could be useful to substitute for unreliable current summer supplies?
- Look at metered farm water use and negotiate a % reduction in the consented volumes, towards actual.

## RIVER FLOWS AND SUMMER QUALITY



The Waihi and Te Moana (and Kakahu) feed into the Temuka and the Opihi.
We are all connected.

YOUR QUESTIONS?