

CHRISTCHURCH WEST MELTON WATER MANAGEMENT ZONE COMMITTEE

AGENDA

THURSDAY 26 APRIL 2012

AT 6PM

AVONHEAD TENNIS CLUB, IN CROSBIE PARK OFF APSLEY ROAD.

Committee: Ian Fox, Community Representative (Chairperson)
Councillor Sally Buck, Christchurch City Council
Deidre Francis, Community Representative (Deputy Chairperson)
Jon Harding, Community Representative
Councillor Debra Hasson, Selwyn District Council
Craig Pauling, Taumutu Rūnanga
Arapata Reuben, Tūāhuriri Rūnanga
Herena Stone, Rāpaki Rūnanga
Hugh Thorpe, Community Representative
Robert Wynn-Williams, Community Representative
Commissioner Rex Williams, Environment Canterbury
Ann Winstanley, Community Representative

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1. APOLOGIES

2. CONFIRMATION OF MINUTES – 28 MARCH 2012

The minutes of the Committee meeting held on 28 March 2012 are attached.

The Committee is asked to approve these minutes as a true and accurate record of the meeting.

3. DEPUTATIONS BY APPOINTMENT

4. IDENTIFICATION OF URGENT ITEMS

5. IDENTIFICATION OF ANY GENERAL PUBLIC CONTRIBUTIONS

ATTACHMENT TO CLAUSE 2

CHRISTCHURCH WEST MELTON WATER MANAGEMENT ZONE COMMITTEE
28 March 2012

A meeting of the Christchurch West Melton Water Management Zone Committee was held in
The Function Room, Civic Offices on Wednesday 28 March 2012 at 6.03pm

PRESENT: Ian Fox, Community Representative (Chairperson)
Councillor Sally Buck, Christchurch City Council
Deidre Francis, Community Representative (Deputy Chairperson)
Craig Pauling, Taumutu Rūnanga
Herena Stone, Rāpaki Rūnanga
Hugh Thorpe, Community Representative
Robert Wynn-Williams, Community Representative
Commissioner Rex Williams, Environment Canterbury

APOLOGIES: Apologies for absences were received and accepted from Ann Winstanley,
Councillor Debra Hasson, Jon Harding and Arapata Reuben.

An apology for lateness was received and accepted for Craig Pauling, who arrived
at 6.18pm and was absent for clauses 1,2,3,4 and part of 10.

The meeting was opened with a karakia from Herena Stone.

1. CONFIRMATION OF MINUTES – 23 FEBRUARY 2012

It was decided on the motion of Rex Williams, seconded by Ian Fox, that the minutes be approved as
a true and accurate record of the meeting, subject to the following amendment:

Clause 11 (Water and Health):

'The Committee raised the following areas for further consideration:

- *sources of the pollution? (dogs, birds etc)*
- *feedback on the future ground water protection*
- *what are the land use trends and demands over time that could impact demand?*
- *Christchurch north west – programme of improvement and project of WCP*
- *Cyanobacteria ~~solubility~~ **filtration***
- *contaminated sediments management*
- *rain water collection and associated human health issues.'*

2. DEPUTATIONS BY APPOINTMENT

Nil.

3. IDENTIFICATION OF URGENT ITEMS

Nil.

4. IDENTIFICATION OF ANY GENERAL PUBLIC CONTRIBUTIONS

Nil.

ATTACHMENT TO CLAUSE 2

5. TASK AND FINISH GROUP PROPOSALS ON “BIODIVERSITY PRIORITY OUTCOMES” AND “OUR APPROACH TO IMMEDIATE STEPS”

The Committee received a verbal update from the members of the Task and Finish group appointed by the Committee at the meeting on 23 February 2012 to consider priority outcomes for biodiversity and the Committees approach to immediate steps.

The Committee **agreed** that a written update would be circulated to the Committee for comment once confirmed by all members of the group.

6. INTRODUCTION TO RAIN GARDENS

The Committee **received** a presentation from Peter Wehrman in relation to Rain Gardens.

Summary of discussions:

- recognises the use of swales as an important tool to filter pollutants from storm water run off
- need to explore other methods to achieve this, including sweeping streets more regularly, and exploring opportunities for these getting into the system in the first place
- need to look at opportunities for daylighting of drains, what are the most viable opportunities
- acknowledge the assumption that this is effective water quality – will need to prove a link if we are to include this in the recommendations
- considers the importance of a ‘helicopter view’ of the problem of run off into streams and consider rain gardens in the context of how effective they can be to clean up waterways
- recognises the need to focus the use of these to areas where copper and zinc are identified as being high
- CWMS target to improve water quality in the context of streams and rivers in the zone. If the Committee identifies the removal of copper and zinc as key priorities to achieve this then rain gardens/swales could be a good method of removing.
- further consideration needed on where these would make the biggest impact filtering pollutants, and consider whether use in high traffic areas such as within the central city would be the most beneficial.

Within the discussions, the Committee acknowledged that it broadly agreed that swales and rain gardens were a useful tool to achieve better management of water storm in urban area, and agreed that these could be used to achieve a specific recommendation within the Zone implementation programme.

It was noted that the Committee would need to revisit this area, and explore it further within the context of the Committee’s priority outcomes once these had been established. The Committee also noted that this topic could be considered by a working group.

The Committee **requested** that staff provide a list of opportunities for swales to help inform its thinking when considering this issue in a broader concept.

7. POLLUTION HOTLINE DATA – WHAT DOES IT TELL US?

The Committee agreed to defer this item until its meeting on 26 April 2012, due to the unavailability of the presenter.

8. EARTHQUAKES AND FAECAL INDICATOR BACTERIA CONCENTRATIONS – AVON RIVER/OTAKARO AND AVON-HEATHCOTE ESTUARY/HUTAI

The Committee received a presentation from Lesley Bolton-Richie, Environment Canterbury, regarding E-Coli levels in the Estuary.

8 Cont'd

The Committee identified the following areas for further consideration:

- comparisons with other estuaries, to establish a context for these findings
- storm water risk
- progress modelling and how to integrate with other water flows
- modelling of historic profile
- comparative analysis required to back up values judgement.

9. THE DRAFT REGIONAL IMPLEMENTATION PROGRAMME

Matthew Ross, Zone Facilitator advised the Committee that the Draft Regional Implementation Programme (dRIP) had been published for consultation, and the Committee was asked to consider any synergies with the dRIP and issues within the Christchurch-West Melton (CWM) Zone.

The Committee acknowledged that it was at the initial stages of identifying priority outcomes for the zone, and in lieu of these agreed priorities, it would comment on the dRIP from the perspective of whether it is likely to support implementation in the zone.

The Committee agreed to Robert Wynn-Williams, Deidre Francis and Matthew Ross attending the feedback meeting to support the Committees submission, to be held at 2.30pm at Wigram Manner on Friday 30 March 2012.

The Committee made the following comments in relation to the dRIP:

General/Priority Regional Issues

- broadly comfortable with the four priority issues identified
- flood risk management, for example from the Waimakariri river, has regional implications with regards to storage of water/managing flood flows/taking flood flows and damage as a consequence of floods
- recreation could be considered as a cross cutting regional priority issues (including discussion around the trade off of recreational opportunity with economic development from new storage and distribution infrastructure)
- water quantity issues are not explicitly addressed in the four priority issues
- education of the wider population in relation to the Canterbury Water Management Strategy (CWMS) aspirations/outcomes/water management across the could be addressed by the Regional Committee
- "inter connected" would be more appropriate wording rather than "integrated" water management
- further explanation needed on how the timing of regional programmes of work being recommended will take account of CWM Zone Committee's needs.

Kaitiakitanga

- broadly comfortable with content.

Ecosystem health and biodiversity

- clarification on what is being considering with regards to identification and restoration of *previously* significant wetlands
- recommend revising the phrase "to get it right" , as unclear as to what 'it' refers to.

Land use and water quality (LUWQ)

- consideration of groundwater in relation to this issue needs to be more explicit, for example bottom of page 16
- how it the Committee is considering the balance between water use and soil type in relation to leaching and productivity
- the 2012 deadline for priority areas to have limits set – what does this mean for CWM Zone
- how does the LUWQ regional approach and preferred approach at a zone level fit for urban areas

ATTACHMENT TO CLAUSE 2

9 Cont'd

- how does the CWM Zone Committee ensure that the limit setting process in Waimakariri and Selwyn Waihora Zones has regards to potential impacts in the CWM Zone e.g. water quality in aquifers used for water quality.

Regional Infrastructure

- how is the Regional Committee considering the economic relationship (and degree of inter-connection) between the Christchurch urban area and rural Canterbury
- could floods be considered under regional infrastructure e.g. stop banks.

10. WORK PROGRAMME UPDATE

Matthew Ross, Zone Facilitator, updated the Committee on the upcoming draft work programme.

A letter of correspondence (refer **attached**) was tabled for the Committee's information, from Network of the Ilam Stream.

The Committee agreed for Robert Wynn Williams, Rex Williams and Hugh Thorpe to attend the briefing to the Waimakariri Zone Committee from dairy NZ on Thursday 5 April at 10.30pm.

The Committee agreed for Ian Fox and Herena Stone to attend the joint session with the Waimakariri Zone Committee on May 7 at 4pm.

The Committee agreed for the field trip identified within the forward work programme to be held on Saturday 28 March in the afternoon.

The Committee agreed to alter the date of its meeting in May to 31 May 2012 at 5pm, followed by a Committee only workshop until 9pm.

The meeting closed at 9.23pm with a karakia from Herena Stone.

CONFIRMED THIS 26TH DAY OF APRIL 2012

**IAN FOX
CHAIRPERSON**

**6. REGIONAL COMMITTEE UPDATE / DRAFT REGIONAL IMPLEMENTATION PROGRAMME
FEEDBACK 6.10PM**

The Committee will receive a verbal update from the Chairperson on the Regional Committee, and the draft Regional Implementation Programme (dRIP).

7. WORK PROGRAMME UPDATE 6.20PM

The Committee will receive a verbal update on its work programme from Matthew Ross, Zone Facilitator.

8. DRAFT LAND AND WATER REGIONAL PLAN

6.30PM

The Committee will receive an update (to be tabled at the meeting) on the current draft Land and Water Regional Plan, including discussion on points of relevance and synergies with the Christchurch West Melton Zone.

9. **TASK AND FINISH GROUP PROPOSALS ON “BIODIVERSITY PRIORITY OUTCOMES” AND
“OUR APPROACH TO IMMEDIATE STEPS”** **7.30PM**

The Committee will receive a update from the Task and Finish Group that was appointed at the Committee’s meeting on 23 February 2012, to consider biodiversity priority outcomes and the approach to immediate steps funding.

Attached is the working draft paper from the Task and Finish Group for discussion with the Committee.

Draft report from the Biodiversity Task and Finish Group of the Christchurch/West Melton Water Management Zone Committee

At the February meeting of the Zone Committee, a Task and Finish Group of Jon Harding, Arapata Reuben, Hugh Thorpe, and Deidre Francis was asked to:

1. Create draft priority outcomes in relation to biodiversity;
2. Develop best approaches for Immediate Steps funding; and
3. Provide an explanation of the rationale of approach taken for the above tasks.

The Task and Finish Group met twice. The Task and Finish Group has struggled with a lack of information that would help it to make informed decisions however it has developed a possible process to work through the issues. A table has been developed, to provide a systematic and transparent approach, but feedback is needed from the wider committee to make sure everyone is comfortable with the approach or to suggest amendments to the process. The process is outlined below under the two tasks that the Task and Finish Group was given. Explanation of the rationale is included with the description of the process/approach:

1. *Creating draft priority outcomes in relation to biodiversity:*

The starting point for the Task and Finish Group is the CWMS Targets for ecosystem health/biodiversity. There are 10 target categories, not all are applicable to our zone, and there are specific targets for 4 timeframes. The subcommittee's recommendation is to first focus on the targets "from 2010". There are 5 specific targets for this timeframe:

- Implement actions to correct the decline in freshwater species, habitat quality or ecosystems;
- Implement actions to prevent further loss of ecosystem health in river mouth and coastal lagoons;
- Prevent further loss of naturally occurring wetlands;
- Maintain existing high quality indigenous aquatic and dryland ecosystems in intermontane basins and on the plains;
- Identify and prioritise for protection, lowland streams ecosystems in each zone.

Target 1: "*Implement actions to correct the decline in freshwater species, habitat quality or ecosystems.*"

The **attached Table** shows the proposed process for the first target.

The **second column** of the Table identifies ecosystems in our zone and aquatic species or species associated with aquatic habitats in our zone that are rare, endangered, and/or culturally important. The Task and Finish Group needs further feedback from the wider Committee & staff regarding whether there are ecosystems or species that are missing from that list.

Columns 3-6 are to identify whether or not the identified ecosystems/habitats are in decline, what is causing the decline, what needs protection and what needs to be targeted to correct the decline. More information is needed from staff to complete the table, but this information will help to identify what and with which ecosystems/habitats/species the problems are, the extent of what those problems are and what actions can be taken. This information would feed into a work plan.

Columns 7&8 are to identify priorities in relation to the identified ecosystems/habitats and species and to identify any particular areas that may be priorities. The idea behind this is to help to prioritise where resources should be targeted and to also assist in prioritising any First Steps applications that may be received i.e. applications that address high priority habitats/ecosystems or species with high importance/urgency could take priority over habitats/ecosystems/species that have been ranked with lower importance. More discussion is needed to decide how exactly to prioritise/rank importance and the wider committee may have some thoughts on this.

ATTACHMENT TO CLAUSE 9 Cont'd

Targets 2 & 3: *“Implement actions to prevent further loss of ecosystem health in river mouth and coastal lagoons” and “Prevent further loss of naturally occurring wetlands”*

These two targets have not yet been addressed specifically. However, the response to correcting decline in freshwater habitats and ecosystems, discussed above, identifies river mouths, coastal lagoons and wetlands within that Table and will include information on any causes for decline in these habitats. It may be that an extra information need is threats to identified ecosystems/habitats and species even if they are not in decline.

Target 4: *Maintain existing high quality indigenous aquatic and dryland ecosystems in intermontane basins and on the plains.*

This target relates to high quality indigenous aquatic and dryland ecosystems in intermontane basins and on the plains. The Task and Finish Group believe that the former is not found in our zone and have requested information about whether or not the latter is relevant to us and if so where and what specific ecosystems?

Target 5: *“Identify and prioritise for protection, lowland streams ecosystems in each zone”*

The Task and Finish Group’s approach to the last target was to request that Council staff, through Matthew, provide two prioritised lists of all named (or identified) streams, springs, wetlands, coastal lagoons and river mouths in the Christchurch/West Melton zone where list 1 will rank these aquatic habitats on perceived current freshwater biodiversity value and include notes on any aquatic habitats that might have high potential but not current value. List 2 would list those same aquatic habitats and rank them on the degree of degradation and ecosystem health. We believe this information is likely to already exist.

2. Develop best approaches for Immediate Steps funding;

At the February meeting it was decided that there would be a new call for Immediate Steps funding applications. This would allow the Christchurch/West Melton Committee to provide some information about the types of projects that it would see as priorities. The aim is to try and find projects that align with the priorities of the Christchurch/West Melton Committee in achieving the CWMS ecosystem health/biodiversity targets. The Completion of the attached Table will allow priorities to be identified for projects that will contribute to correcting the decline in freshwater species, habitat quality and ecosystems. The addition of a “threats” column would also help to identify projects that may help to prevent further loss of ecosystem health in river mouth and lagoons and the area of naturally occurring wetlands.

WORKING DRAFT FOR DISCUSSION

CWMS Targets (ecosystems & biodiversity)		Is there evidence of decline? (Y/N)	What is causing decline? (Evidence for decline? Do we have baseline data?)	What needs to be protected?	What needs to be targeted to correct decline?	Ranking/rating of importance/urgency for addressing this particular ecosystem or species or habitat – in order to rank priorities and reasons e.g. * DoC & IUCN red list, * cultural importance e.g important mahinga kai species or area,etc).	Are there priority areas? If so where and why?
	ECOSYSTEMS:						
Actions to correct decline in freshwater species, habitat quality or ecosystems.	Springs						
	Wetlands						
	Port Hills Streams						
	Urban Streams						
	Lowland Streams						
	Inland dunes						
	Dryland vegetation						
	Groundwater, aquifers						
	River mouths & lagoons						
	Estuary						

WORKING DRAFT FOR DISCUSSION

	SPECIES						
	Bluegill bully						
	Eels						
	Lamprey						
	Trout spawning						
	Canterbury Mudfish						
	Crayfish						
	Fresh water mussels						
	Birds – specific species e.g. Scaup?						
	Salmon spawning?						
	Olearia aolenocarpa						
	Caddis??						
	Inanga spawning						
	HABITAT QUALITY?						

26. 04 2012

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10. POLLUTION HOTLINE DATA – WHAT DOES IT TELL US

8PM TO 8.45PM

The Committee will receive a presentation and a written update from Paul Gofton, Environment Canterbury on the pollution hot line data(refer **attached**).

Christchurch-West Melton

Summary of Pollution Hotline Complaints



Introduction

- Who am I?
- Where do I fit within the organisation?
- Pollution Hotline Complaints



Resource Management Group

Implementation Arm of Environment Canterbury

Biodiversity & Biosecurity	Implementation & Coordination	Consent Monitoring & Compliance	Extension Services
	Coasts & Waterways	Business Support	

Implementation & Coordination

- Rule interpretation and advice Team:
- Permitted Activity Monitoring
- Pollution Prevention Programme Team
- Coordination Team

Coordination Team

- Ex-resource care
- On-farm experience, facilitating & coordinating community engagement and community projects e.g. Living streams.
- One-on-one farm projects
- Enhancement projects (with Biodiversity)
- Ballance Farm Environment Awards

Pollution Prevention Team

- Work with industry in urban areas
- Encourage best practice
- Ensure sites comply with relevant regional rules
- Catchment based targeting e.g. Haytons Drain
- Recognition of industries that comply



