
Christchurch West Melton Water Management Zone Committee OPEN MINUTES

Date: Thursday 23 November 2023
Time: 6.07pm
Venue: Te Hapua Halswell Library, Piharau Room, 341
Halswell Road, Halswell

Present

Chairperson	Annabelle Hasselman - Community Representative
Deputy Chairperson	Mike Patchett - Community Representative
Members	Cailin Richardson-Hall - Community Representative
	Councillor Mark Peters - Christchurch City Council
	Councillor Greg Brynes - Councillor Environment Canterbury
	Arapata Reuben – Te Ngāi Tūāhuriri Rūnanga
	Amber Moke- Te Hapū o Ngāti Wheke/Rapaki
	Oscar Bloom – Youth Representative

Committee Advisor
Luke Smeele
Tel: 941 6374
Christchurch City Council

Zone Facilitator
Shelley Washington
Tel: 027 294 5219
Environment Canterbury

Principal Advisor
Diane Shelander
Senior Policy Analyst
Tel: 941 8304
Christchurch City Council

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Karakia Tīmatanga: Given by all Committee members.

The agenda was dealt with in the following order.

1. Apologies Ngā Whakapāha

Committee Resolved CWZC/2023/00014

That the apology for lateness from Councillor Peters and the apologies for absence from Clare Piper and Brynlea Stocks be accepted.

Oscar Bloom/Cailin Richardson-Hall

Carried

2. Declarations of Interest Ngā Whakapuaki Aronga

Arapata Rueben declared an interest in an item discussed in other business in relation to the Mahinga Kia project and Ngāi Tūāhuriri.

**3. Identification of General Public Contributions Te Tautohu i ngā
Tāpaetanga a te Hunga Tūmatanui**

There were no public presentations.

4. Deputations by Appointment Ngā Huinga Whakaritenga

There were no deputations by appointment.

5. Presentations by the Community Ngā Whakaaturanga a te Hapori

Nil

6. Confirmation of Previous Minutes Te Whakaāe o te hui o mua

Committee Resolved CWZC/2023/00015

That the minutes of the Christchurch West Melton Water Management Zone Committee meeting held on Thursday, 27 July 2023 be confirmed.

Oscar Bloom/Mike Patchett

Carried

7. Matters Arising from the Minutes Ngā Kaupapa Huatau mai i te hui

Nil

**8. Identification of Urgent Items by Committee Members Te Tautohu i ngā
Take Nonoi nā ngā Mema Komiti**

Nil

9. Soil Conservation and Revegetation Programme

Committee Comment

The Committee noted the potential the SCAR Programme has to improve the management of erosion and sediment in the Port Hills and strongly supported the area for inclusion in the programme.

Officer Recommendations

That the Christchurch West Melton Water Management Zone Committee:

1. Receive the information in the Soil Conservation and Revegetation Programme Report.

Committee Resolved CWZC/2023/00016

That the Christchurch West Melton Water Management Zone Committee:

1. Receive the information in the Soil Conservation and Revegetation Programme Report.
2. Strongly Support the prioritization of the Port Hills for inclusion in the SCAR programme.

Mike Patchett/Oscar Bloom

Carried

Attachments

- A SCAR Programme Presentation

Councillor Peters joined the meeting at 6.38pm.

10. ESC Progress Resolutions

Committee Resolved CWZC/2023/00017

Officer Recommendation Accepted without Change

That the Christchurch West Melton Water Management Zone Committee:

1. Receive the information in the ESC Progress Resolutions Report.

Mark Peters/Greg Brynes

Carried

11. Recommendation of allocations of CWMZ Action Plan Budget in Christchurch West Melton Zone

Committee Resolved CWZC/2023/00018

Officer Recommendation Accepted without Change

That the Christchurch West Melton Water Management Zone Committee:

1. Recommends that Environment Canterbury approves the expenditure for the following projects to the following organisations:

- a. \$26,500 to the Port Hills Park Trust Board for the Mt Vernon - Dry Bush Gorge enhancement project, involving fencing to reduce erosion and sediment, increase native biodiversity and improve water quality.
- b. \$15,000 to the Christchurch Envirohub Trust for Te Tuna Tāone / Urban Eel - action learning programme.
- c. \$9,500 to the Avon Ōtākaro Network for the In River Clean, extending the In River trail for another 12 months as there is more rubbish than expected and will need longer to establish what an ongoing maintenance schedule might look like.
- d. \$8,000 to the Summit Road Society for the Horotane Valley project, restoring native bush to the valley catchment.
- e. \$6,000 to the Christchurch Envirohub Trust as a contribution towards facilitation of the Stormwater Superhero trailer – awareness, education and behaviour change programme.
- f. \$5,000 as the Committee's contribution towards a joint project with Banks Peninsula Zone Committee and Whaka-Ora Healthy Harbour to gather, document and share practical knowledge about erosion and sediment control and soil conservation on the Port Hills.
- g. \$5,000 to the Avon-Heathcote Estuary Ihutai Trust for their estuary research programme, focusing on the effectiveness of wetland restoration.

Oscar Bloom/Cailin Richardson-Hall

Carried

The Committee noted that the Action Plan Budget applications received totalled \$217,000.

The Committee thanked the applicants for their time and effort.

12. CWM Stormwater Superhero Awards

Committee Resolved CWZC/2023/00019

Officer Recommendation Accepted without Change

That the Christchurch West Melton Water Management Zone Committee:

1. Receive the information in the CWM Stormwater Superhero Awards Report.

Annabelle Hasselman/Cailin Richardson-Hall

Carried

The Committee noted the quality of the applicants and the success of the event.

The Committee noted that it would be valuable to get a sound bite from the winners which can be posted on Environment Canterbury's website in 2024.

13. Other Matters He Take anō

The Committee discussed the Mahinga Kai project and noted that the next steps should be to develop and define the purpose of the project and identify five catchments to be monitored in order to test the progress of the project.

The Committee discussed the value of reestablishing the Urban Waterways and Estuaries Joint Working Group and noted that there was support from the Committee. The Committee noted the value of including Banks Peninsula in the Working Group.

The Committee discussed Environment Canterbury's Regional Policy Statement and noted that the opportunity for input closes on 3 December 2023.


The Committee discussed the end-of-year dinner for the Zone Committees and agreed to attend the event held by Banks Peninsula on 12 December 2023.

The Committee discussed Annabelle Hasselman stepping down from the Zone Committee and noted that her last meeting will be the 22 February 2024.

Karakia Whakamutunga: Given by all Committee members.

Meeting concluded at 8.33pm.

CONFIRMED THIS 22nd DAY OF FEBRUARY 2024



**ANNABELLE HASSELMAN
CHAIRPERSON**

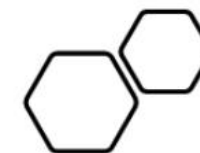
**Christchurch West Melton Water Management Zone
Committee
MINUTES ATTACHMENTS**

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What is Environment Canterbury doing
in the soil conservation space?





The Soil Conservation Team



Andrew Turnbull – North Canterbury Land
Management & Biodiversity Advisor



Sam Thompson – North Canterbury Land Management
& Biodiversity Advisor



Pete Bradshaw – Kaikoura Land Management &
Biodiversity Advisor

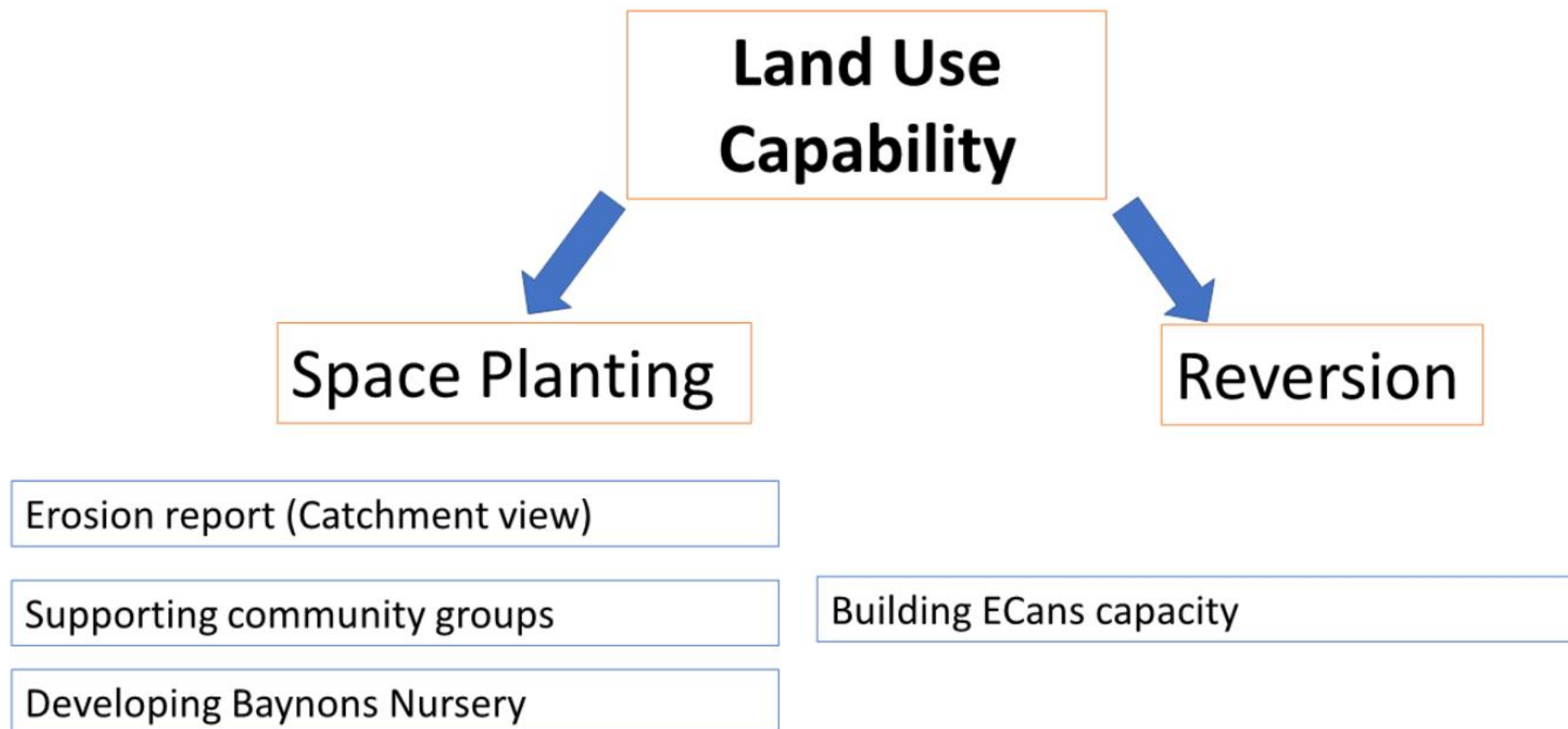
Iana Stoliarova - Project Coordinator

Purpose and objectives of programme

- Focussing on erosion prone land, to reduce the amount of sediment washed into waterways and deliver long-term environmental benefits.
- Securing and retaining the lands natural capital.
- Rebuild soil conservation knowledge and capacity within ECan and rural communities.
- Educate landowners on sustainable land management practices and to empower them to confidently and effectively maintain or enhance the condition of their land.
- Building trust and working relationships through shared learning with landowners.



Structure of Programme



Land Use Capability Maps (LUCs)

Activity	Costs through SCAR assistance	Additional information	Farm Environment Plan
Land Use Capability (LUC) Mapping	Free mapping up to \$5000	To assess the physical characteristics of the land, identify erosion risks and priorities, and help landowners understand the capability of the land to make sustainable land-use decisions.	The LUC can pair well with the Farm Environment Plan.

Note: A Good Faith Agreement will be required to be signed for projects, depending on the value.

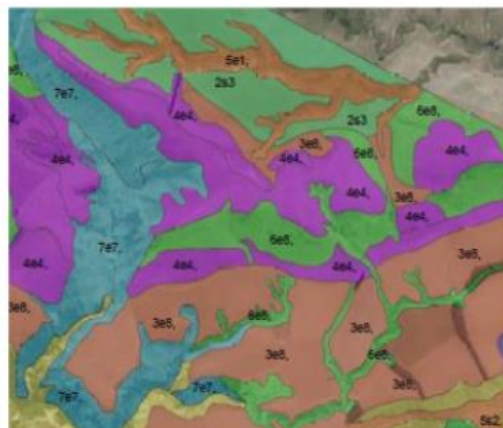
It is defined as a systematic arrangement of different kinds of land according to those properties that determine its capacity for long term sustained production.

Land Use Capability

1. Land Resource Inventory

OBJECTID	HECTARES	LUC_CLASS	LUC_SUBCLA	LUC_UNIT	ROCK	SOIL	SOIL_ORDER	SLOPE	VEGE	EROSION
1	1.7389458	4	4e	4e1,	Li/Ss	22ch	Melanic	D+E	gl,gS	ShW
2	7.2708484	6	6e	6e8,	Lo/Ss	22c	Pallic	E	gS	2Ss
3	6.2966748	4	4e	4e4,	(Lo)/Ss	22ch	Pallic	D+E	gl,gS	ShW
4	0.3194709	6	6e	6e1,	Li/Ss	22cH	Melanic	F	gS,sO*	Ss

LUC_CLASS



2. The Map

6e1,	Strongly rolling to moderately steep limestone hill country below 600m asl with medium to high fertility Melanic (rendzina and related) soils, in low rainfall (<800mm) eastern areas with a marked summer moisture deficit with a potential for slight to moderate sheet, soil slip and scree erosion.	24.85	3.2	Drystock grazing.
6e8,	Strongly rolling to moderately steep loess mantled hill country developed on weakly indurated sedimentary rocks below 600m asl with Pallic (yellow grey earth) soils in low to moderate (600-1200mm) rainfall areas with a marked summer moisture deficit, and a potential for moderate sheet, soil slip and tunnel gully erosion.	129.41	16.8	Drystock grazing. Spaced pole planting on earthflows and slip debris (lower slopes); line or pair planted poles along tunnel gullies (lower slopes). Alternatively production woodlots.
7e7,	Moderately steep to steep hill country on Tertiary mudstone, sandstone and conglomerate below 600m asl with low-fertility Pallic and Brown (yellow grey-yellow brown intergrade and yellow grey earth) soils in low to moderate (640-1275mm) rainfall areas with a potential for moderate to severe sheet, soil slip and gully erosion.	62.70	8.1	Tightly spaced pole planting or Conservation woodlots. Light grazing only if needed to maintain stock numbers. Alternatively retirement-fence and allow scrub reversion.
8e2,	Very steep and precipitous coastal slopes and cliffs predominantly formed on strongly indurated sedimentary (greywacke), metamorphic and igneous rock with extensive rock outcrop, with Raw, Recent, Brown and Ultic (recent, lowland yellow brown earth, brown granular loam and clay) soils in mainly mild coastal areas and a potential for extreme sheet, soil slip, gully and debris avalanche erosion.	87.44	11.3	Retirement fencing at top

3. Land Use Capability Report

Space Planting

Activity	Costs through SCAR assistance	Additional information	Farm Environment Plan
Poplar poles + GST and delivery	Poles for \$4/pole (Normal retail = \$12.50/pole) Free protective sleeves (Normal retail = \$10/pole)	Poles are 3 metres long	To be recorded in the Farm Environment Plan to demonstrate good management practice

Note: A Good Faith Agreement will be required to be signed for projects, depending on the value.





Why Poplar and Willow Poles

- Can stabilise land quickly – fast growing
- Sediment control and reducing phosphorous entering waterways
- Stock can continue to graze pasture
- Supporting production and pasture management
- Additional benefits
 - Forage
 - Bees
 - Shelter/shade
 - Carbon
- Cloned poles of proven varieties for performance, non-invasive, disease mgmt. by diverse species range
- Tree Willows trap fine sediment
- Supportive function to Biodiversity
- A nursery crop for establishing native planting





Reversions

Activity	Costs through SCAR assistance	Additional information	Farm Environment Plan
Reversion / Retirement fencing	\$15/metre	Payment on inspection. Typically, 8-wire post with droppers/battens. Stock must be permanently excluded	To be recorded in the Farm Environment Plan to demonstrate good management practice
Reversion / Retirement land	Provide up to \$1500/hectare	Partial payment on invoice, remaining on inspection	

Note: A Good Faith Agreement will be required to be signed for projects, depending on the value.



Reversions

- Wenlock Property
- Conway Catchment
- LUC: 6e8
- Area: 9.7 ha
- Meters of new fence 2,530
- Total SCAR contribution \$30,928



What's it all for? The why

- The Power of the Pole
- Behavior change
- Correcting the narrative
- Having courageous conversations
- Building social capital
- Plan implementation
- Capitalizing on opportunities



Hurunui Kaikoura Terrain Erosion Control Ranking

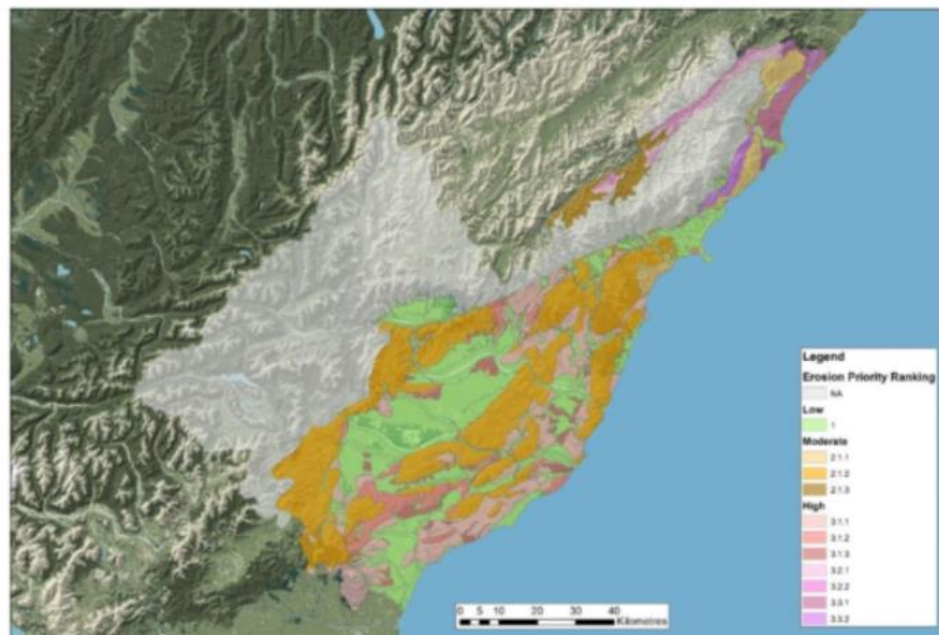


Table 4. Erosion priority ranking of the land types of the Kaikōura and Hurunui districts for erosion control

Erosion priority ranking	GIS layer coding	Canterbury Regional Council land types and groupings
High	3. 1.	2 Lowland soft rock hills
	3. 1. 1 SRxhillsndowns-L12	Northern soft rock hills and downs L12
	3. 1. 2 SRxhillsndowns-L13	Northern structural soft rock hills L13
	3. 1. 3 Lo/SRxhillsndowns-L11	Northern loess-mantled soft rock hills and downs L11
	3. 2.	3 High-country soft rock hills
	3. 2. 1 SRxhills-H6	Soft rock infaulted basin and valley prTH6
	3. 2. 2 SRxhills-H6-Ls	Soft rock infaulted basin and valley prTH6 (structural)
	3 3	4 Intermediate soft & hard rock hills
	3. 3. 1 K-Cg+Lshills -L19	Coastal conglomerate and limestone hills L19
	3. 3. 2 K-Lshills-L18	Moist coastal limestone hills L18
Moderate	2. 1	5 Hard rock hill country
	2. 1. 1 K-HRxhills-L20	Moist coastal hard rock hills L20
	2. 1. 2 N-HRxhills-L21	Northern hard rock hills L21
	2. 1. 3 HRxhills-H12	Intermontane hard rock hills H12
Low	1 Qxy-LT*	1 Unconsolidated Quaternary deposits L1, 2, 4, 5, 6, 7, 24, H1, 2, 5
NA	0 E-HRxmts-H8H11H9 W-HRxmts-H13H19	7&8 Hard rock mountain ranges H8, H9, H11 H13, H19

NA not assessed, outside scope



When we are
with the farmer
we talk about
many things

Partnerships

- Hurunui/Kaikoura farmers
- Te Uru Rākau (MPI)
- Farm Forestry Association
- Hurunui District Landcare Group (HDLG)
- Jamie Mcfadden and team at Hurunui Natives
- ECan River Engineers
- NZARM
- Beef and Lamb NZ (B+LNZ)
- New Zealand Poplar and Willow Trust (NZPWT)
- Top of the South District Councils (MDC, TDC,
- Landcare Research – Plant and Food Research
- Queen Elizabeth II Trust (QEII)



Outcomes

- Retired, **504ha**
- Poplar Poles **18,000** 4 years
- LUC maps **77 maps**
- In addition:
 - The noise in NC has decreased
 - Ecan access to private property
 - Taking compliance past the farm gate and roadsides views

Funding extended until 2027

- 4 more years
- ~\$1.9 mln from MPI
- ~\$1.8 mln from Ecan (~ 800k in kind)
- ~ \$1.9 mln landowner`s contribution

- Targets:
- Space planting - 520 ha, 26000 poles
- Reversions – 300 ha
- We are likely to achieve more

New activities :

FEPs - 48 in total
Sattelite nurseries



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