

AGENDA

Orari-Temuka-Opihi-Pareora Water Zone Committee Meeting Monday, 2 September 2024

Date Monday, 2 September 2024

Time 1pm

Location Council Chamber, Council Building, King George
Place, Timaru

File Reference 1702000

Orari-Temuka-Opihi-Pareora Water Zone Committee

Notice is hereby given that a meeting of the Orari-Temuka-Opihi-Pareora Water Zone Committee will be held in the Council Chamber, Council Building, King George Place, Timaru, on Monday 2 September 2024, at 1pm.

Orari-Temuka-Opihi-Pareora Water Zone Committee Members

Suzanne Eddington, John Henry, Glen Smith (Chairperson), Bailey Lissington, Chris Konings (Deputy Chairperson), Michelle Pye, Deon Swiggs, Phillipa Guerin, Sharyn Cain and Rynnee de Garnham

Quorum – no less than 5 members

Order Of Business

1	Opening Karakia	5
2	Apologies	5
3	Public Forum	5
4	Identification of Items of Urgent Business.....	5
5	Identification of Matters of a Minor Nature	5
6	Declaration of Conflicts of Interest	5
7	Chairperson’s Report.....	5
8	Confirmation of Minutes	6
8.1	Minutes of the Orari-Temuka-Opihi-Pareora Water Zone Committee Meeting held on 8 July 2024.....	6
9	Reports	15
9.1	OTOP Environmental Flow and Allocation	15
9.2	Action Plan Fund.....	25
9.3	Committee Updates	29
10	Consideration of Urgent Business Items.....	31
11	Consideration of Minor Nature Matters.....	31
12	Closing Karakia	31

- 1 Opening Karakia**
- 2 Apologies**
- 3 Public Forum**
- 4 Identification of Items of Urgent Business**
- 5 Identification of Matters of a Minor Nature**
- 6 Declaration of Conflicts of Interest**
- 7 Chairperson's Report**

8 Confirmation of Minutes

8.1 Minutes of the Orari-Temuka-Opihi-Pareora Water Zone Committee Meeting held on 8 July 2024

Author: Rachel Scarlett, Governance Advisor

Recommendation

That the Minutes of the Orari-Temuka-Opihi-Pareora Water Zone Committee Meeting held on 8 July 2024 be confirmed as a true and correct record of that meeting and that the Chairperson's electronic signature be attached.

Attachments

- 1. Minutes of the Orari-Temuka-Opihi-Pareora Water Zone Committee Meeting held on 8 July 2024**

MINUTES

Orari-Temuka-Opihi-Pareora Water Zone Committee Meeting Monday, 8 July 2024

**Minutes of Timaru District Council
Orari-Temuka-Opihi-Pareora Water Zone Committee Meeting
Held in the Council Chamber, Council Building, King George Place, Timaru
on Monday, 8 July 2024 at 1.04pm**

Present: Glen Smith (Chairperson), Chris Konings (Deputy Chairperson), Michelle Pye, Deon Swiggs, Phillipa Guerin, Suzanne Eddington, John Henry, Rynee de Garnham, Bailey Lissington,

In Attendance: Mayor Nigel Bowen, Dave Moore (Zone Facilitator, Environment Canterbury), Drew Brown (Orari River Protection Group), John Benn (Department of Conservation (DOC), Murray Griffin (Environment Canterbury), Rachel Scarlett (Governance Advisor, Timaru District Council)

Presenters: Bridget Lange (OTOP Waitarakao Washdyke Lagoon update), Lara Welsh (OTOP Waitarakao Washdyke Lagoon update)

Public: Kevin O’Kane (Seadown Landowner), Doug Cotter (Seadown Landowner)

1 Opening Karakia

Dave Moore conducted the opening Karakia

2 Apologies

2.1 Apologies Received

Resolution 2024/10

Moved: Glen Smith

Seconded: Cllr Michelle Pye

That the lateness of John Henry and apology of Sharyn Cain be received and accepted.

.Carried

3 Public Forum

There were no public forum items.

4 Identification of Items of Urgent Business

No items of urgent business were received.

5 Identification of Matters of a Minor Nature

- Over allocation of rivers in Orari-Temuka-Opihi-Pareora Water Zone.

6 Declaration of Conflicts of Interest

No conflicts of interest were declared.

7 Chairperson's Report

7.1 Presentation of Chairpersons Report

The Chair spoke to the Committee regarding discussions that were had with the Chair from the Land and Water Committee. Discussions with the Chair included: looking after projects; looking at longer term projects that are funded; and what will replace the Water Zone Committee.

There has also been feedback and discussions with the Mayoral Forum.

Resolution 2024/11

Moved: Glen Smith

Seconded: Suzanne Eddington

Carried

8 Confirmation of Minutes

8.1 Minutes of the Orari-Temuka-Opihi-Pareora Water Zone Committee Meeting held on 6 May 2024

Resolution 2024/12

Moved: Chris Konings

Seconded: Suzanne Eddington

That the Minutes of the Orari-Temuka-Opihi-Pareora Water Zone Committee Meeting held on 6 May 2024 be confirmed as a true and correct record of that meeting and that the Chairperson's electronic signature be attached.

Carried

9 Reports

9.1 OTOP Orari River Protection Group - Funding Progress Report

The purpose of this report is to update the OTOP Water Zone Committee on progress with the Orari River Bat population investigation project - Stage 1

Discussion included the progress to date, the project allowing the investigation of habitual movement and behaviour, and how the bat detection monitors would allow for accurate identification of roosting. Current funding has allowed for two detectors, five monitors and allowed for extra traps, which will be ready in spring.

John Henry in Attendance at 1.26pm.

Drew Brown from the Orari River Protection Group provided a 'Bat Monitoring Map' to the Committee and spoke to a breakdown of activities at specific locations. Discussion also included bats changing nests due to season changes.

Mr Brown spoke to the hold up with investigating bat habitat and behaviour due lack of resources with sound data analysis. Stage two of the project will establish the Orari River Protection Group a permanent study of the roosting sites. The Department of Conservation (DOC) is also wanting to

collaborate with the group to net and put monitors on trees which would allow for data gathering to understand bat trends and standard population movement.

The Committee suggested that data analysis could be assisted by Artificial Intelligence and perhaps investigated by University students.

Queries were also asked of how specific data is collected. Mr Brown provided the Committee with collection techniques for monitoring sonar movement from bat vocals, and spoke to the positive impact artificial intelligence (AI) could make if a system was set up for local data analysis. Who and how is the question, and who would pay for it.

Deputy Chair Chris Konings addressed the Committee regarding vocal analysis, and made mention of the Bat Conservation Trust that is currently providing this service. Mr Konings will provide Mr Brown with links to this service.

The Zone Facilitator, Environment Canterbury noted that there is a staff member from the Environment Canterbury office that can interpret data. It was suggested that a conduction of an initial training from Environment Canterbury to help to find a longer term solution for the collection of data, as a user friendly process would be beneficial.

John Benn from the Department of Conservation (DOC) came to the table to provide the Committee with information regarding the numbers of the bat monitoring equipment used, compared to the twenty-five used by DOC. It was suggested that for a quality collection more monitors should be used. John also cautioned the use of AI as an emerging technology. Their experience has been that it is not completely accurate at this stage.

Resolution 2024/13

Moved: Clr Deon Swiggs

Seconded: Suzanne Eddington

That the OTOP Water Zone Committee receives the report

Carried

9.2 OTOP Waitarakao Washdyke Lagoon update

The purpose of this report is to update the OTOP Water Zone Committee on the Waitarakao Washdyke Lagoon Catchment Strategy.

Discussion included the project being in the development phase for a Draft Strategy which includes the whole catchment. Part of this project will be looking at what is entering the lagoon from wider areas.

The Draft Strategy also contains coastal environments and how they are effected by natural hazards. It was noted that this process has been successful to date, and how it is a good opportunity for Mana whenua for the future of the catchment.

Bridget Lange spoke to the 'Our Waitarakao Draft Strategy Community Feedback Period' and presented the following slides:

- 'Whats the Draft Strategy About?'
- 'Outcome 1 - Ecological Restoration'
- 'Outcome 2 - Mahika Kai'

- 'Outcome 3 - Community Interaction with Catchment'
- 'Outcome 4 - Community Involvement'
- 'Outcome 5 – Resilience to Natural Hazards'

Lara Welsh spoke to the 'Our Waitarakao Draft Strategy Community Feedback Period' and presented the following slides:

- 'Community Feedback Period - 17 June to 15 July 2024'
- 'Community Drop in Events'
- 'Activities in the Catchment'
- 'Stay Informed or get Involved'

Discussion included, engagement with the Community including drop in events, and engaging with Stakeholders to inform them of the Draft Strategy.

Ms Welsh also spoke to the community feedback survey created and the Project Team is in the process of engaging with the community and encouraging feedback. It was noted that the Community is enthusiastic and committed to show their support and be involved with helping to create positive outcomes for the Catchment.

Ms Welsh spoke of the Kōkopu fish that was discovered in the Catchment, this species has not been seen in the catchment in over 20 years.

Scientists have done survey work in the Catchment and have provided insightful data about the ecosystem of the Catchment, this survey work will assist with improving habitats.

Due to a high level of community involvement with the Catchments Draft Strategy the Project Team are looking into the development of a platform to showcase projects that have been completed, and upcoming projects that the Community can be involved in, along with any other works within the catchment.

Discussion also included a letter being sent out to residents, land owners and businesses in the Catchment area, and the process that will be implemented after engagement with the public has finished on in mid-July 2024.

The practicalities of the stop bank and drain plan which are coming to end of life was also discussed. This is part of the forward work plans and decisions on this are yet to be made. It was noted that moving of the stop bank and drain is a pre-existing project. This will be one of the first projects to take place, which will then inform other actions within the catchment when the Draft Strategy has been approved.

Originally built In late 1930, the stop bank have been shifted inland and has been an ongoing issue.

Future monitoring of plan progress was also discussed. There will be conversations regarding governance and structure of Waitarakao, and also discussions with partner agencies to ensure collaborative discussions and transparency.

Discussion also included resilience planning, and understanding natural processes that take place to ensure finances are being used effectively.

The group discussed a suggestion that was had with the Planning Manager - Consents, Compliance & Strategy, regarding moving the stop bank. This would allow for a further 30 to 50 years to plan what to do with it.

Seadown Landholders Mr. O'Kane and Mr. Cotter raised several concerns about the Waitarakao Strategy. They discussed uncertainties regarding the main water flow into the lagoon and noted a lack of communication with stakeholders who supply the water. Their feedback also included concerns about the financial implications and the necessary consent changes related to increasing the minimum water flow.

Resolution 2024/14

Moved: Clr Deon Swiggs

Seconded: Clr Phillipa Guerin

That the OTOP Water Zone Committee receives the report.

Carried

Attachments

- 1 Our Waitarkakao draft strategy Community feedback period

9.3 OTOP Committee update 8 July 2024

The purpose of this report is to update the Committee on actions from the previous meeting, relevant information and upcoming engagement opportunities.

The Committee update included meeting with Landowners, Department of Conservation and with Environment Canterbury about bat roosting trees. Environment Canterbury has provided some funding for the topping of poplar trees at Opuha walkway by the Tengawai bridge at Pleasant Point. These have been topped to preserve roosting areas for the bats while also minimising the concern of tree fall.

A meeting has also been held with the Water and Land Committee where discussion took place about last year's Action Plan funding allocations.

The update also included ECan providing a Draft 'Regional Policy Statement' (RPS) asking for the Zone Committee to provide feedback. A webinar will be taking place on this subject on 12 July, and a follow up workshop may take place to discuss the matter further.

Discussion also included the Committees Pig Hunting Creek funding presentation that went to the Council 26 March meeting, and the positive feedback it had.

Resolution 2024/15

Moved: Clr Michelle Pye

Seconded: Chris Konings

That the OTOP Zone Committee receives this report and provides feedback.

Carried

Attachments

- 1 ORPG Bat Monitoring 2003-4

9.4 OTOP ZC Action Plan review

The purpose of this report is for the Zone Committee to consider any amendments to the OTOP Action Plan for Financial Year 2024/25

The Committee discussed the reviews set out in the action plans, they agreed to move ahead to implement an actions register to allow for prompt follow up on actions, and for transparency around record keeping.

Discussion also included concern of the 'Barkers Creek Catchment Group dung beetle trial' project being of high cost, and uncertainty around project outcome.

Resolution 2024/16

Moved: Chris Konings

Seconded: Cllr Michelle Pye

That the OTOP Water Zone Committee:

Reviews the current "Action Plan" actions and agrees changes, if any.

Carried

Attachments

- 1 Alignment of the OTOP Action Plan Goals with Funding Recommendations 2023-2024

10 Consideration of Urgent Business Items

No items of urgent business were received.

11 Consideration of Minor Nature Matters

- Over allocation of rivers in OTOP.

The Committee discussed their concern of the over allocation of rivers. It was requested that the following information to be followed up with Environment Canterbury (ECan) and spoken to at the 5 August OTOP meeting: allocations and usage data; what plans are involved; time frames; and what the targeted areas are. The Committee would like 6 month briefings/updates from Environment Canterbury.

Requested was for a report to come back to the Committee with information on the low water levels in the Opuha river.

John Henry who is a part of the Orari River Protection group provided an update in response to the low water levels in Opuha which included, one cubic metre of water currently measured at the Opuha bridge. A plan is being worked on by Opuha Water Limited to raise water levels.

Discussion also included the system in place for water shares and water allocation to farmers.

12 Closure Karakia

John Henry conducted the closing Karakia.

The Meeting closed at 2.37pm.

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Glen Smith
Chairperson

9 Reports

9.1 OTOP Environmental Flow and Allocation

Author: Dave Moore, Zone Facilitator

Authoriser:

Recommendation

That the OTOP Zone Committee receives this report.

Purpose of Report

- 1 To update the Committee on the Flow and Allocation limits and described in the Canterbury Land and Water Regional Plan for the OTOP Zone.

Report

At the 8 July 2024 OTOP Water Zone Committee meeting the Committee requested an update on what is being done about the over-allocation of freshwater the OTOP Zone.

Environment Canterbury staff will present an overview of how the Canterbury Land and water Regional Plan addresses freshwater allocation in the OTOP Zone at the 2 September Zone Committee meeting.

Background

The 2018 OTOP Water Zone Committee's Zone Implementation Programme Addendum recognised "the growing pressure on local waterways and the risks of a drying climate. The Committee acknowledge that some surface water resources across the zone are considered over-allocated, and a number of waterways are under pressure from low flows".

The Zone Committee made Freshwater Management Unit (FMU) specific recommendations for addressing over allocation and minimum flows. These recommendations informed Plan Change 7 which is now partially operative, and have been incorporated into to the Canterbury Land and Water Regional Plan (CLWRP). Rules relating to FMUs can be found in *Section 14 Orari-Temuka-Opihi-Pareora*.

The tables below show the OTOP FMU Environmental Flow and Allocation Regimes.

Orari FMU

Table 14(h): Orari Freshwater Management Unit Environmental Flow and Allocation Regime

River or stream (see Planning Maps)	Location of recorder site, or site where flow is measured	NZTM Map Reference	Minimum flow for A permits (L/s)		Allocation limit for A permits (L/s)	Minimum flow for B permits (L/s)	Allocation limit for B permits (L/s)
			Current	2040	Current	Current	Current
Orari	Upstream Ohapi	5100500N 1471400E	500 (stepped restrictions commence at 2,400 for non- water user groups) (Water users groups self- manage above 1,500) 1:1 flow sharing 900-1,500	900 (stepped restrictions commence at 2,000 for non- water user groups) (Water users groups self- manage above 1,500)\ 1:1 flow sharing 900-1,500	1,147	3,800	1,400
Ohapi Creek	Ohapi Creek at Brown Road	5100192N 1471142E	Oct-Jan 570 (restrictions 1,000) Feb-Sep 730 (restrictions 1,000)		2,055	-	-
Rhodes Creek	Rhodes Stream at Parke Road	5101682N 1472841E	60 (no partial restrictions)		501	-	-
Coopers Creek	Coopers Creek at SH72	5124896N 1462096E	50 (Pro Rate restrictions)		252	-	-

Temuka FMU

Table 14(i): Temuka Freshwater Management Unit Environmental Flow and Allocation Regime – A Permit

Freshwater Management Unit	Location of recorder site, or site where flow is measured	NZTM Map Reference	Minimum flow for A permits (L/s)					Allocation limit for A permits (L/s)				Partial Restrictions			
			Current		From 1 January 2025			Current	From 1 January 2025	From 1 January 2027	From 1 January 2030	Current	From 1 January 2025		From 1 January 2030
Temuka	Manse Bridge	5099459N 1461823E	Oct – Mar 700	Apr – Sep 1000	Nov – Mar 850	Apr – Sep 1500	Oct 1200	2,503	2,350	2,150	1,800	50% stepped reduction in rate of take ¹	50% stepped reduction in rate of take ²	75% stepped reduction in rate of take ³	Pro- rata

1 A 50% reduction in rate of take applies when the flow at the flow recorder is at or below 1300 L/s

2 A 50% reduction in rate of take applies when the flow at the flow recorder is at or below the applicable minimum flow + 625 L/s

3 A 75% reduction in rate of take applies when the flow at the flow recorder is at or below the applicable minimum flow + 300 L/s

Table 14(j): Temuka Freshwater Management Unit Environmental Flow and Allocation Regime – B Permit

Freshwater Management Unit	Location of recorder site, or site where flow is measured	NZTM Map Reference	Minimum flow for B Permits							Allocation limit for B permits (L/s)			Partial Restrictions	
			Current		From 1 January 2025					Current	From 1 January 2025	From 1 January 2030	From 1 January 2025	From 1 January 2030
Temuka	Manse Bridge	5099459N 1461823E	Oct – Mar 1600	Apr – Sep 1900	Nov – Mar 1750	Apr 2100	May – Aug 2400	Sep 2100	Oct 1900	784	600	400	50% stepped reduction in rate of take ¹	Pro-rata

¹ A 50% reduction in rate of take applies when the flow at the flow recorder is at or less than the applicable minimum flow + 390 L/s

Table 14(k): Temuka Freshwater Management Unit Environmental Flow and Allocation Regime – C Permit

Freshwater Management Unit	Location of recorder site, or site where flow is measured	NZTM Map Reference	Minimum flow for C permits (L/s)	Allocation limit for C permits (L/s)	Partial Restrictions
			From 1 January 2022		
Temuka	Manse Bridge	5099459N 1461823E	6,084	1,087	Pro Rata

Opihi FMU

Table 14(ma): Opihi River, Opuha River, Te Ana Wai and Lake Opuha Allocation Regime

Waterbody	AA (L/s)	AN (L/s)	BA (L/s)	BN (L/s)	Community Supply (L/s)
North Opuha	61	187	7	20	8
South Opuha	0	0	634	200	97
Upper Opihi	0	97	423	202	122
Te Ana Wai	250	9	2	722	96
Lake Opuha tributaries ¹	0	0	39	254	0
Lake Opuha	0	0	33	Not Applicable	0
Opuha River and Opihi River mainstem ²	2922	1161	4213	264	581
Total	3233	1454	5351	1633	904

¹ Station Creek, Deep Creek and Unnamed Stream

² Includes Totara Creek, Pleasant Point Creek and German Creek

Table 14(mb): Milford Lagoon / Clandeboye Allocation Regime

Waterbody	A (L/s)
Milford Lagoon / Clandeboye	309

Table 14(m): North Opuha and Lake Opuha Tributaries Environmental Flow Regime – AA, AN, BA Permits

River or stream (see Planning Maps)	Location of recorder site, or site where flow is measured	NZTM MAP Reference	Minimum flow for AA, AN and BA Permits (L/s)				Partial Restrictions	
			Current		From 1 January 2025		From 1 January 2025	
							Part of a Water User Group	Not Part of a Water User Group
North Opuha	Clayton Road Bridge	5133978N 1429934E	1 Oct – 14	15 Apr – 30	1 Oct – 14	15 Apr – 30	Pro Rata ³	50% stepped reduction in rate of take ¹
			Apr 85 0	Sep 100 0	Apr 81 5	Se p 90 0		100% stepped reduction in rate of take ²
Station Creek	Station Creek Gorge	5132280N 1423600E	As per existing resource consent conditions				Pro Rata ³	

¹ For consent holders not part of a Water User Group, a 50% reduction in rate of take applies when the flow at the flow recorder is less than the applicable minimum flow and the sum total of the AA, AN and BA allocation.

² For consent holders not part of a Water User Group, a 100% reduction in rate of take applies when the flow at the flow recorder is less than the applicable minimum flow and 50% of the sum total of the AA, AN and BA allocation.

³ Partial restrictions for AA and BA permits commence when the flow at the flow recorder is less than the applicable minimum flow and the sum total of the AA and BA allocation. Partial restrictions for AN permits commence when the flow at the flow recorder is less than the applicable minimum flow and the sum total of the AA, BA and AN allocation.

Table 14(n): South Opuha Environmental Flow Regime – BA Permits

River or stream (including tributaries) (see Planning Maps)	Location of Recorder site, or site where flow is measured	NZTM Map Reference	Minimum flow for BA Permits (L/s)													Partial Restrictions
			Current		From 1 January 2025										From 1 January 2025	
South Opuha	Monument Bridge	5126577N 1427436E	1 Sep – 30 Apr 500	1 May – 31 Aug 800	1 Sep – 30 Sep 1,000	1 Oct – 14 Oct 900	15 Oct – 30 Nov 800	Dec 550	Jan – Feb 520	1 Mar – 14 Mar 550	15 Mar – 31 Mar 600	1 Apr – 14 Apr 800	15 Apr – 30 Apr 1000	May – Aug 1200	Pro Rata	

Table 14(p): Upper Opihi Environmental Flow Regime – AN and BA Permits

River or stream (including tributaries) (see Planning Maps)	Location of recorder site, or site where flow is measured	NZTM Map Reference	Minimum flow for AN and BA Permits (L/s)								Partial Restrictions	
			Current		From 1 January 2025						From 1 January 2025	
			Current		From 1 January 2025						Part of a Water User Group	Not part of a Water User Group
Upper Opihi	Rockwood	5107379N 1435642E	Nov-Mar 790	Apr-Oct 1280	Nov 950	Dec-Feb 850	Mar 900	Apr – Sep 1500	Oct 1400	Pro Rata ³	50% stepped reduction in rate of take ¹	
											100% stepped reduction in rate of take ²	

¹ For consent holders not part of a Water User Group, a 50% reduction in rate of take applies when the flow at the flow recorder is less than the applicable minimum flow and the sum total of the AN and BA allocation.

² For consent holders not part of a Water User Group, a 100% reduction in rate of take applies when the flow at the flow recorder is less than the applicable minimum flow and 50% of the sum total of the AN and BA allocation.

³ Partial restrictions for AA and BA permits commence when the flow at the flow recorder is less than the applicable minimum flow and the sum total of the AA and BA allocation. Partial restrictions for AN permits commence when the flow at the flow recorder is less than the applicable minimum flow and the sum total of the AA, BA and AN allocation.

Table 14(r): Te Ana Wai Environmental Flow Regime – AA, AN and BA Permits

River or stream (including tributaries) (see Planning Maps)	Location of recorder site, or site where flow is measured	NZTM Map Reference	Minimum flow for AA, AN and BA Permits (L/s)										Partial Restrictions	
													From 1 January 2025	
			Current			From 1 January 2025							Part of a Water User Group	Not part of a Water User Group
Te Ana Wai	Cave	5092922N 1438502E	Oct - Apr 400	May - Aug 600	Sep 500	Oct & Apr 700	1 Nov – 14 Nov 15 Mar – 31 Mar 550	15 Nov – 31 Nov 500	1 Dec – 14 Mar 450	May – Jul 1200	Aug 1100	Sep 900	50% stepped reduction in rate of take whenever flows are 100 L/s above the specified minimum flow	50% stepped reduction in rate of take whenever flows are 261 L/s above the specified minimum flow
													From 1 January 2030	
													Pro Rata ¹	

¹ Partial restrictions for AA and BA permits commence when the flow at the flow recorder is less than the applicable minimum flow and the sum total of the AA and BA allocation. Partial restrictions for AN permits commence when the flow at the flow recorder is less than the applicable minimum flow and the sum total of the AA, BA and AN allocation.

Table 14(t): Milford Lagoon / Clandeboye Drainage Area Environmental Flow Regime

Catchment	Location of recorder site, or site where flow is measured	NZTM Map Reference	Minimum flow for A Permits (L/s)	Partial Restrictions
			Current	From 1 January 2022
Milford Lagoon / Clandeboye Drainage Area	Burkes Creek	5097941N 1467094E	160	50% stepped reduction in rate of take whenever the flow in Burkes Creek falls below 200 L/s as per existing resource consent conditions

Table 14(u): Opihi River Mainstem Environmental Flow Regime AN Permits

River	Location of recorder site, or site where flow is measured	NZTM Map Reference	Minimum flow and Partial Restrictions (L/s)		
				Current	From 1 January 2022
Opihi River Mainstem	State Highway 1	5097547N 1461844E	Pro rata restrictions commence Abstractions cease (minimum flow)	8,100 2,500	8,100 2,600
	Saleyards Bridge	5098685N 1451845E	Pro rata restrictions commence Abstractions cease (minimum flow)	9,100 3,500	9,100 3,500

The State Highway 1 minimum flow for the Opihi River Mainstem is based on the unmodified flow in the Opihi River as calculated by Canterbury Regional Council.

Table 14(v): Opuha River and Opihi River Mainstem Environmental Flow Regime - AA and BA Permits

River		Minimum Flow for AA and BA Permits (L/s)											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Opuha River at Opuha Dam Downstream Weir 5124591N 1431579E		1,500 plus the sum of relevant AA and BA permit abstractions for the Opuha River											
Opihi River Mainstem at Saleyards Bridge 5098685N 1451845E													
Current	Lake > RL 375m	3,500	3,500	7,500	8,000	4,500	4,000	4,000	4,500	6,000	8,500	7,000	6,000
	Lake ≤ RL 375 but > RL 370	3,350	3,350	5,350	5,600	3,850	3,600	3,600	3,850	4,600	5,850	5,100	4,600
From 1 January 2022 – Full Availability		4,500	4,500	7,000	7,000	4,500	4,000	4,000	4,500	6,000	8,000	7,000	6,000
From 1 January 2022 – Level 1		4,000	4,000	6,000	6,000	4,000	3,500	3,500	4,000	5,000	6,000	6,000	5,000

For the Level 1 regime partial restrictions for the Opihi Mainstream at Saleyards Bridge are to be implemented requiring a 50% reduction in the volume of take over 24 hours. Level 1 minimum flows only apply when any two of the thresholds in Table 14(x) are met.

Table 14(x): Opihi Freshwater Management Unit - Level 1 Thresholds¹ for Table 14(v)

Minimum Flow Thresholds												
Inflows to Lake Opuha (L/s)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Threshold	2522	2094	2481	1955	4995	2792	3454	3376	3574	5662	6212	6483
Snow pack in catchment (Mm3)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Threshold	0	0	0	0	0	0	17	22	20	15	7	1
Lake Opuha level (RL)												
Threshold	387.5	388.3	386.3	382.6	381.1	383.0	384.5	387.5	387.9	389.0	389.3	388.5

¹ Thresholds assessed on the first day of the month.

Table 14(y): Opihi Freshwater Management Unit Environmental Flow Regimes – BN Permits

River (including tributaries)	Location of recorder site, or site where flow is measured	NZTM Map Reference(s)	Minimum flow for BN Permits (L/s)		Partial Restrictions	Lake Opuha Level ¹
			From 1 January 2022			
South Opuha	Monument Bridge	5126577N 1427436E	All year 3,0 00		Pro Rata	391.2
North Opuha	Clayton Road Bridge	5133978N 1429934E	All year 2,3 00			
Upper Opihi	Rockwood & Opihi State Highway 1	5107379N 1435642E 5097547N 1461844E	Rockwood 4,500	Opihi state Highway 1 12,000		N/A
Te Ana Wai	Cave & Opihi State Highway 1	5092922N	Cave			

Table 14(y): Opihi Freshwater Management Unit Environmental Flow Regimes – BN Permits

River (including tributaries)	Location of recorder site, or site where flow is measured	NZTM Map Reference(s)	Minimum flow for BN Permits (L/s)		Partial Restrictions	Lake Opuha Level ¹
			From 1 January 2022			
South Opuha	Monument Bridge	5126577N 1427436E	All year 3,0 00		Pro Rata	391.2
North Opuha	Clayton Road Bridge	5133978N 1429934E	All year 2,3 00			
Upper Opihi	Rockwood & Opihi State Highway 1	5107379N 1435642E 5097547N 1461844E	Rockwood 4,500	Opihi state Highway 1 12,000		N/A
Te Ana Wai	Cave & Opihi State Highway 1	5092922N	Cave			

Pareora FMU

Table 14(za): Pareora Freshwater Management Unit Environmental Flow and Allocation Regimes

River or stream (see Planning Maps)	Location of recorder site, or site where flow is measured	NZTM Map Reference	Minimum flow and restrictions for A permits (L/s)	Minimum flows for takes to storage from the A Permit Allocation Block(L/s)	Allocation limit for A permits (L/s)	Minimum flow for B permits (L/s)	Allocation limit for B permits (L/s)
Pareora River (including all tributaries)	The Huts flow recorder	5080683N 1445353E	<p>When Timaru District Council is discharging additional water:</p> <p>Oct – Nov</p> <p>540 L/s – 50% restriction in maximum rate of take 440 L/s – total cessation of take</p> <p>Dec – Sep</p> <p>470 L/s – 50% restriction in maximum rate of take. 400 L/s – total cessation of take.</p> <p>When Timaru District Council is not discharging additional water:</p> <p>All months</p> <p>470 L/s – 50% restriction in maximum rate of take. 400 L/s – total cessation of take.</p>	<p>1,600 L/s</p> <p>Note: Only that portion of the A Block available above the A Permit minimum flow for takes to storage may be abstracted</p>	198 L/s	<p>5,000 L/s</p> <p>Note: Only that portion of the B Block available above the B Permit minimum flow may be abstracted</p>	2,500 L/s (of which no more than 500 L/s can be allocated upstream of the recorder)

Attachments

Nil

9.2 Action Plan Fund

Author: Dave Moore, Zone Facilitator

Authoriser:

Recommendation

That the OTOP Zone Committee receive this report and agrees a timetable for recommending funding requests.

Purpose of Report

To provide an update on the 2024/25 Action Plan fund and propose the timetable for considering funding requests.

Report

The Zone Committee Action Plan funding is now confirmed as \$50,000 (excl. GST) per Water Zone for the 2024/2025 Financial Year (1 July to 30 June).

It is expected that the outcome of the CWMS Zone Committee Review will be known by December 2024. It is likely that the focus in early 2025 will be on transitioning to whatever new structure is decided on.

Proposed Action

That the OTOP Zone Committee agrees its work programme which enable recommendation of most, if not all, of its Action Plan Budget by November 2024.

Environment Canterbury will support this with advertising to create awareness and encourage applications.

Proposed schedule

Date ^α	Activity ^α
16-Sep-24 ^α	Applications Close ^α
22-Sep-24 ^α	Finalise next meeting Agenda ^α
7-Oct-24 ^α	Meeting to Consider applications <u>if sufficient received</u> or field trip to view applications ^α
14-Oct-24 ^α	Applications Close ^α
21-Oct-24 ^α	Finalise next meeting Agenda ^α
4-Nov-24 ^α	Meeting to Consider applications (if required) ^α
20-Jan-25 ^α	Applications Close ^α
27-Jan-25 ^α	Finalise next meeting Agenda ^α
10-Feb-25 ^α	Meeting to Consider applications (if required) ^α

Draft Work Programme Overview

At the 8 July 2024 OTOP Water Zone Committee meeting the Committee requested an action register. Attached is a draft for feedback.

Attachments

1. **Work Programme Overview**  

OTOP Water Zone Committee – OVERVIEW of Work Programme & Action Plan Priorities 2021 – 2024

Action Plan Priorities & Projects	Feb 2025	Jan 2025	Nov 2024	Oct 2024	Sept 2024	Aug 2024	2023/24	2022/23	2021/22
1. We commit to assist with the protection, enhancement and restoration of mahinga kai (to work the food – gather, harvest, preserve, conserve) and tuhituhi o neherā (rock art or rock drawings) sites: <ul style="list-style-type: none">Facilitate a session for members of the public at the Te Ana Māori Rock Art Centre and host a field trip to Taniwha Gully with invited catchment group members.Focus on tuhituhi o neherā sites and mahinga kai and how best to manage these.									
Opihi Lagoon site visit							Site visit 4/9/23		
Opihi Lagoon plant Maintenance							AP project - \$15k		
Pig Hunting Creek Lagoon remediation strategy				Possible site visit			AP project - \$22.k		
Te Kopi-O-Te Opihi Burkes Pass Heritage Trust							Site visit 2/10/23		
Te Kopi-O-Te Opihi Burkes Pass Heritage Trust wetland and riparian restoration							AP project - \$12.k	AP project - \$5.7k	AP project - \$13k
OWL Biodiversity Plan Implementation								AP project - \$12k	
Te Ahi Tarakihi creek/wetland Project							Planting 19/9/24	AP project - \$5k	AP project - \$4k
Te Ana Maori Rock Art Centre education						Still to be actioned		AP project - \$1k	
Field trip to Ōpihi taniwha									AP project - \$3k Site visit 2/5/22
Men’s Shed Geraldine Trap project									AP project - \$7k
Horseshoe Lagoon and Waitarakao Washdyke Lagoon								Site visit – 3/10/22	
Taumatakahu Stream riparian planting						Draft funding rqst.			
Craigmore Station native planting						Funding request			
2. We commit to providing opportunities to engage and collaborate with Rūnanga (tribal councils or tribal iwi/authorities): <ul style="list-style-type: none">Host an annual Te Tiriti o Waitangi workshop for community members to attend.Work with Papatipu Rūnanga (Ngāi Tahu regional tribal councils) and relevant landowners to host at least one hīkoi (involves a walk across the local area to understand the flora and fauna, taonga or treasured species and culturally significant sites) for the community. Areas of interest include Waitarakao Washdyke Lagoon, Te Ahi Tarakihi Reserve and Creek, Milford Lagoon, Rakitata restoration and Arowhenua Nursery.									
Te Tiriti Course									AP project - \$5.5k
Te Kete Tipuranga O Huirapa Arowhenua Nursery							Site visit – 10/6/24		
3. We commit to raising understanding of te mana o Te Mana o Te Wai me Te Mana o Ngā Awa (the importance of water and the importance of our waterways) in a rural, urban, and industrial context: <ul style="list-style-type: none">Host a public forum, combined with other Southern Canterbury zone committees, to assist the public in									

OTOP WZC
2021-2024 Work Programme
At 5 August 2024

Action Plan Priorities & Projects	Feb 2025	Jan 2025	Nov 2024	Oct 2024	Sept 2024	Aug 2024	2023/24	2022/23	2021/22
understanding what te mana o te wai me te mana o te awa means for them. <ul style="list-style-type: none">Request six monthly briefings from Environment Canterbury on the state of our water resources from each catchment and results from monitoring and share with relevant catchments									
Kakahu Phosphorus Management Project								AP project - \$16k	
Requested ECan update on water allocation in OTOP Zone						Report to OTOPZC Mtg date TBC			
Catchment Collective South Canterbury Support									AP project - \$10k
4. We champion safe and reliable drinking water for the OTOP community: <ul style="list-style-type: none">Host at least one community session offering on-site indicative private drinking water testing. Include presentations of possible solutions and research on reducing high nutrient and contaminant concentrations.									
Drinking water road show events									AP project - \$3k
5. We engage with the community and raise awareness of the impacts of human activity on land and water: <ul style="list-style-type: none">Supporting and engaging with the Catchment Collective South Canterbury Society Incorporated.Zone committee members to be a member of a catchment group(s) where appropriate.Seek reports from CCSC Chair and / or catchment groups for OTOP meetings.Bi-monthly media presence (e.g The Courier) and engagement through official local council channels. Asked Sam for report from Comms.Have a physical presence, at least twice a year, at key public events (e.g Geraldine Fete, Farmers Markets etc).Promote OTOP zone activities via dedicated zone links on local council websites. Asked Sam for report from Comms.									
OWL Biodiversity Plan Implementation								AP project - \$12k	
FEP/Treaty/eDNA support – Catchment Collective SC								AP project - \$10k	
6. Other CWMS / EFW Priorities									
6.1 Native and indigenous wildlife associated with waterways have adequate habitats									
Orari River Protection Group – Bat pop. investigation							AP project – \$4.8k		
6.2 Support Catchment Groups / Rivers and wetlands have healthy ecological flows and high-quality water.									
Barkers Creek Catchment Group – Dung Beetle trial							AP project – \$20k		

9.3 Committee Updates

Author: Dave Moore, Zone Facilitator

Authoriser:

Recommendation

That the OTOP Zone Committee receives this report and provides feedback.

Purpose of Report

To update the Committee on actions from the previous meeting, relevant information and upcoming engagement opportunities.

Recommendation

The Zone Committee receive the report.

Report

1. Ministry for the Environment – Our Land 2024 report

Our land 2024 explores the current state of our natural assets and natural infrastructure, the benefits they provide us, and how we've placed them under pressure. The report is produced jointly by the Ministry for the Environment and Stats NZ.

This report produced by the Ministry for the Environment can be downloaded from the following link: <https://environment.govt.nz/publications/our-land-2024/>

The Ministry has also produced a snapshot document of the report's key findings. This document is provided as Attachment A. It can also be downloaded from the following link: <https://environment.govt.nz/publications/our-land-2024-a-snapshot/>

2. Parliamentary Commission for the Environment – Going with the grain: Changing land uses to fit a changing landscape

How do we respond to the environmental challenges of climate change, biodiversity loss and water quality while looking after the economic, social and cultural life of our regions?

This is the pressing question addressed in the Commissioner's new report, *Going with the grain: Changing land uses to fit a changing landscape*, sets out the multiple environmental problems facing rural New Zealand and makes suggestions on how to approach the land use change needed to prevent further degradation.

The Commissioner draws on six years of research to present practical suggestions on how to manage land use change. His key recommendations are:

We must take an integrated approach to environmental management that focuses on the catchment rather than one-size-fits-all national regulation. This will make it easier to understand how environmental policies on water, climate, and biodiversity interact.

We need to rethink the roles of central government, regional councils, mana whenua and communities in decision making and involve catchment groups more in environmental management.

Central government must enable farmers and regulators to have access to inexpensive, high quality environmental information and underwrite it as a public good.

Alternative financial tools can help fund land use transitions. The report discusses examples such as loans and grants, resource rentals on the commercial use of water and pricing biogenic methane.

The costs of successful transition would be lower if we removed the barriers that are impeding progress, such as progressively removing forestry from the NZ ETS and creating a separate mechanism (or ETS) to manage biogenic methane.

In a companion report – *Exploring land use change under different policy settings in two case study catchments*, the Commissioner details an investigation into how current and alternative approaches to environmental regulation could affect land use change in the Wairoa catchment in Te Tai Tokerau Northland and the Maitai catchment in Murihiku Southland.

These reports can be downloaded from the following link:

<https://pce.parliament.nz/publications/going-with-the-grain-changing-land-uses-to-fit-a-changing-landscape/>

Attachments

Nil

- 10 Consideration of Urgent Business Items**
- 11 Consideration of Minor Nature Matters**
- 12 Closing Karakia**