

Canterbury Mayoral Forum

Agenda Pack

28 May 2021

Peppers Clearwater Resort

Canterbury Mayoral Forum mihi

Ko Ngā Tiritiri o te Moana ngā maunga
Ko ngā wai huka ngā awa i rere tonu mai
Ko Ngā Pākihi Whakatekateka o Waitaha te whenua
Ko Marokura, ko Mahaanui, ko Araiteuru ngā tai
Tihei mauri ora!

The Southern Alps stand above
The snow-fed rivers continually flow forth
The plains of Waitaha extend out
To the tides of Marokura, Mahaanui and Araiteuru
Behold, there is life!

Agenda

Canterbury Mayoral Forum

Date: Friday 28 May 2021

Time: 8:30am to 10:00am

Venue: Peppers Clearwater Resort

Attendees: **Mayors/Chair:**

Sam Broughton (Selwyn, Chair); Craig Mackle (Kaikōura); Craig Rowley (Waimate); Dan Gordon (Waimakariri); Gary Kircher (Waitaki); Graham Smith (Mackenzie); Jenny Hughey (Environment Canterbury); Lianne Dalziel (Christchurch); Marie Black (Hurunui); Neil Brown (Ashburton); Nigel Bowen (Timaru)

Chief Executives:

Hamish Riach (Ashburton, CE Forum Chair), Jim Harland (Waimakariri), Bede Carran (Timaru); David Ward (Selwyn); Dawn Baxendale (Christchurch); Paul Hope (Acting, Waitaki); Hamish Dobbie (Hurunui); Stefanie Rixecker (Environment Canterbury); Stuart Duncan (Waimate); Suzette van Aswegen (Mackenzie); Will Doughty (Kaikōura)

In attendance:

Maree McNeilly, Amanda Wall, Rosa Wakefield (Secretariat).

Apologies:

Time	Item	Page	Person
8:30	1. Mihi, welcome, introductions and apologies	–	Chair
	2. Confirmation of agenda	–	Chair
	3. Minutes from the previous meeting	2	Chair
	3.1. Confirmation of minutes of meeting held on 19 February 2021		
	3.2. Action points		
	FOR DISCUSSION AND DECISION		
8:35	4. Essential Freshwater Steering Group update	13	Neil Brown
8:45	5. Three Waters service delivery review	18	Chair
9:15	6. CREDS update and mobile blackspot advocacy	22	Craig Rowley
9:20	7. Chief Executives Forum report	78	Hamish Riach
	FOR INFORMATION: to be taken as read		
9:30	8. Climate Change Steering Group update	85	Dan Gordon
9:35	9. Update on Canterbury Biodiversity Champions	88	Jenny Hughey
9:40	10. CWMS update	90	Jenny Hughey
9:45	11. Budget 2021 update (paper to come)	–	
9:50	12. General business	–	
10.00	<i>Meeting close</i>		

Canterbury Mayoral Forum Future for Local Government Workshop

10.00	Morning tea	Members & guests
10.15	Future for Local Government Workshop	Members & guests
12.30	Lunch	Members & guests

Canterbury Mayoral Forum

Draft

Minutes

Date:	19 February 2021, 9.00am – 12.30pm
Venue:	Timaru District Council, 2 King George Place, Timaru
Attendance:	<p>Mayors/Chair: Sam Broughton (Selwyn, Chair), Craig Mackle (Kaikōura), Craig Rowley (Waimate), Dan Gordon (Waimakariri), Gary Kircher (Waitaki), Graham Smith (Mackenzie), Jenny Hughey (Environment Canterbury), Lianne Dalziel (Christchurch), Marie Black (Hurunui), Neil Brown (Ashburton), Nigel Bowen (Timaru).</p> <p>Chief Executives: Hamish Riach (Ashburton, CEs Forum Chair), Bede Carran (Timaru), David Ward (Selwyn), Dawn Baxendale (Christchurch), Fergus Power (Waitaki), Hamish Dobbie (Hurunui), Jim Palmer (Waimakariri), Stefanie Rixecker (Environment Canterbury), Stuart Duncan (Waimate), Will Doughty (Kaikōura).</p> <p>In attendance: Maree McNeilly, Amanda Wall, Rosa Wakefield (Secretariat), Sean Tully (Selwyn – Advisor to the Chair), Ben Clark (Regional Public Service Lead, item 9); Dr Te Maire Tau, Te Wera King, Gabrielle Huria (Ngāi Tahu, items 10 and 11).</p>
Apologies:	Suzette van Aswegen (Mackenzie).

AGENDA ITEM	KEY POINTS DISCUSSED / RESOLVED	ACTION POINTS (Who will action, when?)
1	<p>Welcome, introductions and apologies</p> <p>Mayor Nigel Bowen welcomed everyone to Timaru.</p> <p>Special welcome to Will Doughty, Kaikōura's new CE, attending via Zoom. Lianne Dalziel is also attending via Zoom.</p> <p>Apology received from Suzette van Aswegen.</p> <p>The meeting was opened with the Canterbury Mayoral Forum mihi.</p>	
2	<p>Confirmation of agenda</p> <p>The agenda was confirmed. Three items of general business were added:</p> <ul style="list-style-type: none"> • Carbon Forestry • Leftfield update • E Tipu / Boma Grow 	

AGENDA ITEM	KEY POINTS DISCUSSED / RESOLVED	ACTION POINTS (Who will action, when?)
3	<p>Confirmation of minutes of meeting held on 27 November 2020</p> <p>The minutes were confirmed as an accurate record of the meeting. All actions from the November meeting are complete or on this agenda.</p>	
4	<p>Future of Local Government</p> <p>The Chair spoke to the paper, which seeks to start the discussion for Canterbury around what the Future of Local Government might look like. A workshop is scheduled for 19 March to discuss this; Carl Pavletich has tentatively been booked to facilitate. Dawn Baxendale's international experience may be valuable in leading this workshop.</p> <p>Penny Hulse, who has DIA experience, may be valuable at future sessions.</p> <p>Tai Tuara (SOLGM) meet just before the workshop so this can inform discussion.</p> <p>The four questions posed in the paper were considered. Issues raised included:</p> <ul style="list-style-type: none"> • Process <ul style="list-style-type: none"> ○ the need for clarity on the path for three waters ○ the potential impact of RMA reforms ○ the challenge associated with the speed of three waters and RMA reforms ○ the lack of information coming out of DIA ○ concern around secrecy being maintained by LGNZ ○ a desire to understand LGNZ's preferred process for change ○ the need to have meaningful discussion on this now, consider viable options and present something ○ the lack of respect central government has for local government ○ concern about how much of this is being driven by central government • Community <ul style="list-style-type: none"> ○ concern about possible loss of civic representation if the shape of local government changes ○ that it is about what communities want and need ○ that it is a good time to ask communities what they expect in terms of delivery, service levels etc ○ that community members usually don't have a good understanding of what their councils deliver 	<p>Secretariat: engage Carl Pavletich to facilitate workshop on 19 March. [COMPLETE]</p> <p>Secretariat: work with Carl and Dawn Baxendale on format and content for workshop on 19 March. [COMPLETE]</p>

AGENDA ITEM	KEY POINTS DISCUSSED / RESOLVED	ACTION POINTS (Who will action, when?)
	<ul style="list-style-type: none"> ○ that councils are unable to engage with community on these issues without council mandate ● Alternative work for councils <ul style="list-style-type: none"> ○ the need for clarity of purpose for councils ○ the potential for local government to be more involved in housing ○ whether there is an option for councils to engage more in roading ○ the opportunity to build on council work in health and social welfare ○ opportunities in climate change ○ the suggestion that councils pick up opportunities they see as they come up ○ the need to consider the best value for money, the best outcomes for the people we serve, and how elected local voices get heard ○ the need to be brave, and to do the right thing rather than preserve status quo ○ whether there is a different way of engaging in service delivery ○ whether there are opportunities to learn from Australian models ○ opportunities relating to Covid funding ○ the suggestion to do a stocktake of all the things councils are doing for the wellbeing of their communities ● Working together <ul style="list-style-type: none"> ○ the strong need to work together on this across Canterbury ○ the need to include Ngāi Tahu in thinking about future, and to consider opportunities specific to the takiwā ○ the need for mindset change ○ concern around the difference in impact for large and small councils ○ that local authorities have different priorities but need to have a united front on funding and resourcing ○ the need to build a credible voice for local government ○ opportunities for shared resourcing for consent processing etc. ○ the possibility of developing a strategic map looking at connections and where local government can influence central government. <p>The Forum agreed to:</p> <ol style="list-style-type: none"> 1. note the information provided in this paper 2. consider the following questions when reading the paper: 	

AGENDA ITEM	KEY POINTS DISCUSSED / RESOLVED	ACTION POINTS (Who will action, when?)
	<ul style="list-style-type: none"> 2.1. what might be the cumulative impacts on local government from these proposals? 2.2. are there other government initiatives that will be relevant to the future of local government? 2.3. how does the Forum want to engage with this broader future of local government work? 2.4. how can the Canterbury region take a lead in these discussions with Government? 3. request the Chief Executives Forum prepare for a more comprehensive workshop to explore future of local government opportunities to be held on Friday 19 March 2021. 	
5	<p>Resource Management Reform (Randerson Report) update David Ward spoke to the paper, which acknowledges the process followed and summarises the Government's intention.</p> <p>The Forum agreed to:</p> <ul style="list-style-type: none"> 1. note the update provided on the outcomes from the Government's resource management reform process 2. note the Chief Executives Forum will consider a report at its May meeting that will cover: <ul style="list-style-type: none"> 2.1. the implications of the reforms for Canterbury councils 2.2. how resource management planning work programmes will be aligned to meet legislative changes, including resourcing requirements. 	
6	<p>Water Services Bill Canterbury Mayoral Forum Submission Hamish Riach spoke to the paper. The paper recommends the Mayoral Forum makes a submission. Paragraph 21 outlines several matters to be included. It was requested that the submission notes that the modernisation of the bill is positive, as the changes clarify requirements for water supplies. The Christchurch submission will request that the Select Committee hear submissions in Christchurch.</p> <p>The Forum agreed to:</p> <ul style="list-style-type: none"> 1. make a regional submission on the Water Services Bill 	<p>All members: advise secretariat if your council is making a submission and provide a copy to the secretariat if possible. [COMPLETE]</p>

AGENDA ITEM	KEY POINTS DISCUSSED / RESOLVED	ACTION POINTS (Who will action, when?)
	<ol style="list-style-type: none"> 2. approve the outline of the approach to be included in the regional submission 3. request the secretariat finalise the regional submission and circulate to all members for their input and approval before submitting to the Health Committee. 4. seek to submit in person on the water services bill. 	
7	<p>Engagement with Ministers</p> <p>The Chair spoke to the paper. This follows on from group allocations made at the last meeting. It was noted that it makes sense to have champions but engagements with ministers should be open to anyone to join.</p> <p>That the Canterbury Mayoral Forum:</p> <ol style="list-style-type: none"> 1. review and confirm that the proposed attendees for each anticipated meeting with ministers are appropriate and provide suitable representation across Canterbury 2. confirm key messages for each of the anticipated meetings with ministers. 	<p>Secretariat: add Gary Kircher to the Resource Management Reform and Urban Development group. [COMPLETE]</p>
8	<p>South Island Destination Management Plan – next steps</p> <p>The Chair spoke to the paper. The paper provides an update on the SIDMP and considers a range of options for progressing destination management work.</p> <p>At the freight tour the group heard that more passenger transport is needed to support greater air-freight volumes. This doesn't necessarily represent community views regarding tourism.</p> <p>Ministers are interested in the outcomes of Mackenzie's PGF-funded study on the pathway towards a sustainable district so this may influence what else happens in the South Island.</p> <p>The Forum agreed to:</p> <ol style="list-style-type: none"> 1. note the update provided in this paper 2. consider the range of options for progressing destination management work 3. make a decision on whether to proceed with Stage 2 of the South Island Destination Management Plan in its current form at its meeting in August 2021. 	

AGENDA ITEM	KEY POINTS DISCUSSED / RESOLVED	ACTION POINTS (Who will action, when?)
9	<p>Emerging Regional Public Sector Priorities</p> <p>Ben Clark was welcomed to the meeting.</p> <p>Ben was appointed as the Regional Public Service Lead for Canterbury. The main goal is to improve the way local government works together on community wellbeing. Social sector agency priorities are the first area of focus, and then work will move into the economic sector with MBIE and MSD.</p> <p>Ben is working to establish what social wellbeing priorities are most relevant to key partners and communities. He is seeking guidance from members on how best to engage with councils and teams, information on plans that might already be in place, and areas where focus should be. There's a desire to shape better outcomes for populations and provide seamless delivery of social services regardless of who's doing it. Ministers are keen to understand how well priorities are being delivered in the regions. There's an opportunity to showcase collaboration; priorities won't be perfectly aligned but a common work programme with all key stakeholders would allow more streamlined governance to support service delivery.</p> <p>Once priorities have been established he will present these to agency CEs and then to Cabinet. He is reporting back in six weeks but acknowledges this is not enough time to confirm meaningful priorities.</p> <p>Feedback from the Forum included:</p> <ul style="list-style-type: none"> • pleased that central government is having this conversation • need to have inter-agency conversations earlier • noted that this is a great opportunity to do the best we can for Canterbury • noted that the Forum would be interested in seeing the cabinet paper once it's available • suggested that Ben would be best to engage with TAs first, before seeking agreement from the Forum on common themes that have arisen. <p>The Forum agreed to:</p> <ol style="list-style-type: none"> 1. note the information provided in the presentation from Ben Clark, Regional Public Service Lead and attached report 2. work with the Regional Public Service Lead to identify shared priorities that the public service can jointly work towards for Canterbury. 	<p>Ben Clark: engage with councils individually on priorities before finalising regional priorities.</p>

10	<p>Three Waters Service Delivery Review – update</p> <p>Dr Te Maire Tau, Te Wera King and Gabrielle Huria were welcomed to the meeting.</p> <p>Sam Broughton spoke to the paper. A report is expected from PwC prior to the meeting with DIA on 23 March.</p> <p>We expect DIA to publicly release material for the March workshops on 9 March but this may not be full information. The communication sub-group has been pushing for as much information as possible to be shared at this point. Delaying the consultation has been discussed but subsequent dates, including the cabinet decision, are not movable.</p> <p>Unconfirmed information suggests that:</p> <ul style="list-style-type: none"> • the Government's preferred solution is a single entity across the South Island (it is unclear if this is the takiwā or island boundary) • the proposal will provide councils with limited influence, not governance roles • the proposed structure will be non-shareholding entities, in which the Crown will hold a stake. <p>If this information is correct the proposal may not be able to meet either the outcomes desired by councils or Ngāi Tahu. A collective voice between councils and Ngāi Tahu on this will be essential if the region or takiwā is to seek an alternative approach. It is important for us to present our option to the Crown before they present their prescribed solution.</p> <p>Discussions are underway with Otago and Southland around the takiwā option and Ngāi Tahu has presented to them.</p> <p>Following the DIA briefing on 23 March we need to meet with all takiwā stakeholders in Christchurch to discuss. The Zone 5 meeting date in May is an option for this session.</p> <p>A position needs be established to work from. The following was proposed:</p> <ul style="list-style-type: none"> • propose the Ngāi Tahu takiwā as the boundary area • needs to include councils having a shareholding of any future model, where there is governance and investment into the model • needs to take into account asset worth, debt carried, development contributions committed for future spending, and Ngāi Tahu views • jointly held entity with Ngāi Tahu. This may not mean a transfer of shares to Ngāi Tahu Holdings, but shares, regulatory or otherwise, with their villages. Both entities need to hold each other accountable and safety mechanisms need to be created to maintain the shares • Ngāi Tahu ownership or stakeholding in a new entity would be purchased, with Ngāi Tahu funds or government contributions, providing a return to councils • reflect as a treaty partnership rather than a shareholding entity 	<p>Secretariat: set up three waters discussion with all takiwā stakeholders following the DIA meeting on 23 March. [COMPLETE]</p>
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AGENDA ITEM	KEY POINTS DISCUSSED / RESOLVED	ACTION POINTS (Who will action, when?)
	<ul style="list-style-type: none"> • about co-governance and community protection • explore ways of preserving regional job opportunities and regional economies within the broader entity. <p>The next steps are for the PwC work to complete. Once the outputs of this are available Te Maire will consult with Ngāi Tahu on their views. An MOU with Ngāi Tahu may be required.</p> <p>The Forum agreed to write to the Minister of Local Government noting concern around the timing of the March consultations and requesting a subsequent briefing once all information is available.</p> <p>The Forum agreed to:</p> <ol style="list-style-type: none"> 1. note the update of the Three Waters service delivery review and upcoming activities 2. note the upcoming hui with Crown in late March and that Councils and Ngāi Tahu will most effectively influence the outcome if we are able to present a collective voice 3. endorse initial exploration of a takiwā wide consensus between Councils and Ngāi Tahu on a response to the Crown reform proposals 4. endorse the development of a strawman negotiating position with the Crown for review and endorsement by the Mayoral Forum. 	<p>Secretariat: write to Minister Mahuta expressing concern around the March consultation dates, given the likelihood that not all relevant information will be available by then. Request a subsequent briefing once information has been gathered. The letter is to be co-signed by Ngāi Tahu, and by Otago and Southland if they agree. [COMPLETE]</p>
11	<p>Ngāi Tahu Statement of Claim</p> <p>Dr Te Maire Tau presented on the Ngai Tahu Statement of Claim in the High Court seeking recognition of its rangatiratanga over the freshwater in the Ngāi Tahu takiwā (area). This is currently with the courts.</p> <p>The Statement of Claim is about rangatiratanga to freshwater. The Crown has claimed it doesn't have ownership of water, though legally this is not clear. The Ngāi Tahu claim is based on the Treaty of Waitangi, the Ngāi Tahu Deed of Settlement (1997) and the Ngāi Tahu Settlement Act (1998). The Deed of Settlement and the Settlement Act clearly state recognition of Ngāi Tahu's rangatiratanga within their takiwā.</p> <p>Rangatiratanga is more than ownership; it includes obligations, responsibilities and authority. Ngāi Tahu hopes to achieve a treaty-compliant management of wai māori in the Ngāi Tahu takiwā.</p> <p>Rangatiratanga is not reflected in the current framework. They seek a new age of cooperation with the Crown – more than consultation.</p> <p>Mahinga kai, safe water, and protection for the future are all very important to Ngāi Tahu.</p>	<p>Secretariat: share Te Maire's slides with members. [COMPLETE]</p>

AGENDA ITEM	KEY POINTS DISCUSSED / RESOLVED	ACTION POINTS (Who will action, when?)
12	<p>Essential Freshwater Economic Impact Report</p> <p>Neil Brown spoke to the report. A new report is being done on 2.4mg nitrogen which is the law. Expect to have this early May. Waimate are having a similar report done by Rationale and are happy to share their methodology.</p> <p>Key figures from the published report are 83% reduction in profit, due in increased costs and decreased production. This is based on 6.9mg of nitrogen. Farmers are working to achieve the 6.9mg standard, but are not engaging with the 2.4mg one as they view it as too difficult. Some things in the plan can be achieved, others may be achievable in the future with advances in science.</p> <p>Neil was to meet with the Minister this week but this was rescheduled due to Covid alert level changes. Hope to reschedule this meeting before the Essential Freshwater group meets on 22 March.</p> <p>A number of councils have done similar reports. It will be a challenge to convince the Government to change regulations for a couple of districts that don't fit with what they want to see happen, but greater chance if we speak together as a region. There may be research that ChristchurchNZ could do, perhaps linking in with Lincoln university, try to engage the whole region in the discussion. If we collate a list of all research being done in this space across the region, Dawn can discuss potential region-wide research with ChristchurchNZ.</p> <p>Stefanie Rixecker is the only South Island representative on the NPS consultation group. She has been pushing back on timeframes in this group.</p> <p>The Forum needs to be tactical in how it approached the Minister. Engagement with Ministers on this issue should be discussed with Essential Freshwater Steering Group.</p>	<p>Secretariat: collate list of research work being done in the essential freshwater area, what the report looks at, which consultants are doing the work, and when reports are due to be completed. [COMPLETE]</p> <p>Secretariat: add discussion on engagement with Ministers around Essential Freshwater to the Essential Freshwater Steering Group agenda. [COMPLETE]</p>
13	<p>Climate Change update</p> <p>Dan Gordan spoke to the paper. He noted thanks to Amanda and Maree for coordinating, and to everyone who sent representatives to the meeting. Rod Carr presented on the work of the Climate Change Commission, and council representatives engaged in a roundtable about where each council is at in this space. Rod Carr encouraged the Forum to put in a submission to the Climate Change Commission on its advice to the Government.</p> <p>The Forum agreed to:</p> <ol style="list-style-type: none"> note the regional climate change work programme for 2021, a summary of the recent workshop hosted by the Canterbury Climate Change Steering Group and 	<p>Secretariat: work with Climate Change Working Group on development of a regional submission to the Climate Change Commission on its package of advice to government. [COMPLETE]</p>

AGENDA ITEM	KEY POINTS DISCUSSED / RESOLVED	ACTION POINTS (Who will action, when?)
	<p>commentary on the recent announcement of the resource management reforms as they relate to climate change.</p> <p>2. develop a regional submission from the Canterbury Mayoral Forum to the Climate Change Commission on its package of advice to Government.</p>	
14	<p>Canterbury COVID-19 Oversight Group</p> <p>Jim Palmer noted that in the interim Hamish Riach will continue the work with this group.</p>	
15	<p>Canterbury Water Management Strategy update</p> <p>The paper was taken as read. The terms of reference is being finalised currently and will be circulated once confirmed.</p> <p>The Forum agreed to receive the report.</p>	
16	<p>Update on Canterbury Biodiversity Champions</p> <p>Jenny Hughey spoke to the paper. The first meeting of champions has been held, representatives from all councils attended. This group seeks to maximise outcomes through combined action. Will report back to the Forum when there's an action.</p> <p>The Forum agreed to:</p> <ol style="list-style-type: none"> 1. note that the Canterbury Biodiversity Champions group has been established to increase engagement amongst Canterbury councils at a governance level on biodiversity issues and opportunities and that they met for the first time on 2 February 2021 2. note that the purpose of the Biodiversity Champions, as expressed in their draft Terms of Reference, is "to get our colleagues amped about biodiversity and to advocate for our councils' and communities' roles in weaving biodiversity through our living and working landscapes" 3. note that the Biodiversity Champions will continue to meet regularly and will update the Mayoral Forum on their activities on an as needs basis. 	

AGENDA ITEM	KEY POINTS DISCUSSED / RESOLVED	ACTION POINTS (Who will action, when?)
17	<p>Chief Executives Forum report The paper was taken as read.</p> <p>The Forum agreed to:</p> <ol style="list-style-type: none"> 1. receive the quarterly report from the Chief Executives Forum 2. note updates to the three-year work programme. 	
18	<p>General business</p> <p>Carbon Forestry Recently a fire at Livingston occurred in a carbon forest which lacked proper setbacks and firebreaks. The council was at fault as it was involved at the time of planting. The same company is seeking to purchase 2.5k hectares in a key catchment area of the Kakanui River, creating a potential risk to neighbouring properties.</p> <p>Leftfield Leftfield are struggling to get sufficient co-funding for the application to SFFF they were planning to support with the \$60k allocated from the Mayoral Forum. They are continuing discussion with MPI, and depending on the outcome here may not proceed, or may propose a different option. The allocated funds will not be released to Leftfield until there is a confirmed path forward.</p> <p>E Tipu E Tipu / Boma Grow is on 11 and 12 May. Tickets to the VIP event on 10 May and the conference are available to members. Mayor Craig Rowley will explore whether there's an opportunity to represent the Forum by presenting at the conference.</p> <p>Freight tour The Regional Transport Committee is to look at potential next steps and actions following the tour.</p> <p>Jim Palmer This is Jim's final meeting with the Forum, and his significant contribution over the years was acknowledged.</p>	<p>Secretariat: gather information from councils about how widespread this issue is, and report to the next Forum meeting.</p> <p>Secretariat: circulate information about E Tipu and available tickets to members. [COMPLETE]</p> <p>RTC secretariat: look at potential next steps and actions following the freight tour.</p>
	<p>The meeting closed at 12.24pm.</p>	

Date: 28 May 2021

Presented by: Neil Brown, Chair Essential Freshwater Steering Group

Essential Freshwater Steering Group - update

Purpose

1. To provide an update to the Canterbury Mayoral Forum on the outcomes from the inaugural Essential Freshwater Steering Group meeting held on 22 March 2021, seek the Forum's endorsement of the Essential Freshwater Steering Group terms of reference and agree the focus for the 19 August Mayoral Forum dinner be on Essential Freshwater.

Recommendations

That the Canterbury Mayoral Forum:

1. **endorse the terms of reference for the Essential Freshwater Steering Group as agreed by group members at their meeting on 22 March 2021**
2. **agree to invite two guest speakers to the Canterbury Mayoral Forum dinner on 19 August 2021**

Background

2. The Essential Freshwater Steering group was formed following the November 2020 Canterbury Mayoral Forum to oversee a regional response to the Essential Freshwater package with a focus on community engagement and the development of a Communications Plan.
3. Membership of the Essential Freshwater Steering Group includes the Chair of Environment Canterbury, Mayors of Kaikōura, Hurunui, Waimakariri, Ashburton, Timaru, Mackenzie, and Waimate District Councils, Mayor of Christchurch City Council and the Chief Executive of Environment Canterbury.
4. Mayor Neil Brown was elected chair of the Essential Freshwater Steering Group at its first meeting in March.
5. At the initial meeting, it was questioned whether there was a need for a separate Essential Freshwater Steering Group, as opposed to the full Canterbury Mayoral Forum, but most members wanted to continue with the steering group, at least in the short term, to keep a watching brief on freshwater regulations as they develop.

Essential Freshwater Steering Group Terms of Reference

6. The Steering Group reviewed and approved the draft terms of reference at its meeting in March and agreed to provide the terms of reference to the Mayoral Forum for endorsement.
7. The Essential Freshwater terms of reference (attachment 1) set out the membership and purpose of the group. It should be noted that while the terms of reference include a representative from papatipu rūnanga, at this stage no invitation has been sent to Ngāi Tahu for a member of this steering group.
8. The purpose of the group is two-fold:
 - oversee the development of a communications plan to facilitate consistent regional messaging to support the transition of the region to implementing the Essential Freshwater package
 - act as the single, united voice on behalf of the Canterbury Mayoral Forum to communicate with the regional sector (other regions mayors/chairs and chief executives), sector groups, central government and the wider community, in relation to Essential Freshwater.

Communications Plan

9. The Steering Group also reviewed and approved the draft Communications Plan, which has now been finalised. The communications plan seeks to achieve timely and consistent messaging about the reforms for the Canterbury region and to develop key messages for a whole-of-region voice.

Guest Speakers – August Canterbury Mayoral Forum dinner

10. To assist the Mayoral Forum to understand the impacts of the Essential Freshwater reforms it was suggested that appropriate experts in this area be invited to speak at the August Mayoral Forum dinner. It was noted that it would be valuable for members to hear what farmers are already doing in this space, and to understand the impact on the Christchurch aquifers.
11. Suggestions for speakers include:
 - Hon Damien O'Connor, Minister of Agriculture, Biosecurity, Land Information, Rural Communities, and Trade and Export Growth
 - Doug Leeder, Chair of BOPRC, chair of the LGNZ Regional Sector and member of the Minister's Freshwater Implementation Group
 - Peter Lowe, chair of Managed Aquifer Recharge Project (governed by the Hekeao/Hinds Water Enhancement Trust)
 - Mel Brooks, CEO MHV Water, Ashburton

- Dr Tim Davie, Director of Science at Environment Canterbury and expert on aquifer impact
- Dr Jenny Webster-Brown, Director of Our Land & Water National Science Challenge
- Dr Ken Taylor, former chair of the Minister's Science & Technology Group (STAG) that provided advice on the EFW programme of work.

Next steps

12. Invite the two agreed guests to speak on Essential Freshwater at the next Mayoral Forum dinner on 19 August 2021.

Attachments

- Essential Freshwater Steering Group Terms of Reference

Essential Freshwater Steering Group: Terms of reference (March 2021)

Background

1. These terms of reference replace any previous terms of reference.

Purpose

2. The purpose of the Steering Group is to:
 - 2.1. oversee the development of a communications plan to facilitate consistent regional messaging to support the transition of the region to implementing the Essential Freshwater package.
 - 2.2. act as the single, united voice on behalf of the Canterbury Mayoral Forum to communicate with the regional sector (other regions mayors/chairs and chief executives), sector groups, Central Government and the wider community, in relation to Essential Freshwater.
3. The Steering Group reports to the Mayoral Forum and is mandated by the Canterbury Local Authorities' Triennial Agreement 2020–22.

Scope

4. Matters subject to the Steering Group's consideration in relation to Essential Freshwater reform are:
 - 4.1. supporting the development of clear, consistent regional messaging
 - 4.2. advocating for, and acting as, a united voice
 - 4.3. maintaining a watching brief for the Mayoral Forum.

Membership and operation

5. The members of the Steering Group are:
 - Jenny Hughey (Chair, Environment Canterbury)
 - Dan Gordon (Mayor, Waimakariri)
 - Neil Brown (Mayor, Ashburton District)

Mayors standing together for Canterbury.

Secretariat, E: secretariat@canterburymayors.org.nz W: www.canterburymayors.org.nz
C/- Environment Canterbury, PO Box 345, Christchurch 8140 T: 03 345 9323

*Ashburton District Council • Canterbury Regional Council • Christchurch City Council • Hurunui District Council
Kaikōura District Council • Mackenzie District Council • Selywn District Council • Timaru District Council
Waimakariri District Council • Waimate District Council • Waitaki District Council*

- Marie Black (Mayor, Hurunui District)
 - Nigel Bowen (Mayor, Timaru District)
 - Craig Mackle (Mayor, Kaikōura District)
 - Craig Rowley (Mayor, Waimate District)
 - Graham Smith (Mayor, Mackenzie District)
 - Lianne Dalziel (Mayor, Christchurch City)
 - Stefanie Rixecker (Chief Executive, Environment Canterbury)
 - A representative from papatipu rūnanga.
6. The Steering Group may invite other agencies to present and participate in its discussions as the Steering Group considers appropriate.
 7. The Steering Group may task other Regional Working Groups and/or council staff to provide advice as necessary.
 8. The Steering Group will meet as frequently as necessary to perform their purpose.

Work programme

9. The Steering Group will develop a Communications Plan and report back to the Mayoral Forum.

Review and amendment of these terms of reference

10. The Steering Group may recommend changes to its terms of reference to the Chief Executives Forum and Mayoral Forum.
11. The Mayoral Forum will review the terms of reference three-yearly in the year following local authority elections.

Approved by the Mayoral Forum on 28 May 2021

Date: 28 May 2021

Presented by: Mayor Sam Broughton, Chair

Three waters service delivery review

Purpose

1. The purpose of this paper is to update the Mayoral Forum on the three waters service delivery review project and recent activities in the three waters reform programme.

Recommendations

That the Canterbury Mayoral Forum:

1. **note the update provided in this paper.**

Background

2. In August 2020, the Canterbury Mayoral Forum authorised the Three Waters Steering Group to approve the scope of works for the Three Waters service delivery review for Canterbury. Kerr and Partners was appointed as the project manager in September 2020. Following a robust Request for Proposal process, the Mayoral Forum approved a tender from PwC for \$430,000 in November 2020.
3. The Three Waters Steering and Advisory Groups provided oversight of the project as it progressed.
4. At the May Chief Executives Forum, chief executives received a close-out report on the project. A summary of this is set out below.

Three waters service delivery review project

5. The project has issued the following key deliverables:
 - A1 Common Issues and Challenges (Aurecon)
 - A1 Current and Future State Report (PwC)
 - A1 Combined spreadsheet of current and future data (PwC)
 - A2 Literature Review (PwC)
 - B1 Summary of options, advantages & disadvantages (PwC)
 - B2 Shortlist of Option (PwC)
 - B3 Impact Analysis (PwC)
 - B4 Evaluation of options (PwC)

- C Additional support for Ngāi Tahu and cross-regional discussions (PwC)
 - Summary of advice (Kerr and Partners)
6. The PwC contract has been formally closed out, with the exception of Item C – ongoing advice, so that the Mayoral Forum has the option on calling on their services over the next few months.
 7. Through this contract, and then direct commission, PwC has assisted Ngāi Tahu (Te Kura Taka Pini) with specific advice to their context. A representative of Te Kura Taka Pini sat on the project team meetings as a partner in the project.
 8. The Chief Executives Forum noted Kerr and Partners has provided an excellent service for the Mayoral Forum in the delivery of the contract to manage the three waters service delivery review. In turn, Kerr and Partners reports a high level of responsiveness and support from PwC, particularly as they were able to adapt their work programme to a significantly compressed timeframe.
 9. It is anticipated that some ongoing advisory work will be required from PwC and/or Kerr and Partners to support the current cross-regional discussions. Budgets will be monitored to ensure that any additional work is covered.
 10. In recent weeks, Rob Kerr has provided individual councils will briefings on the projects and deliverables at their invitation.

Related three waters activities

11. Cross-regional/takiwā wide discussions have progressed through several hui, including a major workshop on 30 April run by LGNZ Zone 5 and 6. Ngāi Tahu then hosted a further hui on 10 May.
12. Mayors Sam Broughton, Lianne Dalziel and Bryan Cadogan, Ngāi Tahu Kaiwhakahaere Lisa Tumahai, Dr Te Maire Tau (Co-chair, Te Kura Taka Pini) and Gabrielle Huria (General Manager, Te Kura Taka Pini) met with Minister Mahuta on 12 May in Wellington. The meeting was to inform the Minister of the areas of agreement from those present at cross-regional hui, as well as the South Island view on the takiwā approach, and discuss what influence the collective can have on the reforms.
Correction: Mayor Gary Kircher attended this meeting and Lisa Tumahai did not attend.
13. Following this meeting post meeting briefing documents were provided to all LGNZ Zone 5 and 6 Mayors and CEs (see attachment 1).

Next steps

14. Cabinet decisions on reform proposals will occur sometime in May. It is understood councils will receive detailed analysis on and implications of the proposals in July.

Attachments

- Post meeting briefing documents from meeting with Minister Mahuta on 12 May 2021

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All Zone 5 & 6 Mayors and Chairs
All Ngāi Tahu Chairs

14 May 2021

Kia ora Koutou

THREE WATERS REFORM UPDATE

We are writing to update you on our meeting with the Minister for Local Government the Hon Nanaia Mahuta this week on the subject of the Governments three waters reform programme.

The meeting was designed to present a united front on the things we hold in common in order to try and influence the best outcome for South Island Councils and Ngāi Tahu. Getting to this position has required a lot of work and we are grateful for all the input. We want to acknowledge the commitment and dedication of you as leaders and your respective Councils and Rūnanga who have given up so much of your time supporting the process to help us understand what is important to you and how we can advocate on your behalf.

The culmination of this work has been summarised in an attached one page document which shaped our conversation with the Minister who was receptive to the message and wants to meet with us in person in the South Island. We will look to set up a meeting in Dunedin and one in Christchurch.

The meeting was a demonstration of a new age of co-operation between Local Government and Ngāi Tahu across their Takiwā. It sets a foundation on which we can strengthen our relationships at all levels as we face new opportunities ahead of us



Sam Broughton
Chair Zone 5



Bryan Cadogan
Chair Zone 6



Te Maire Tau
Ngāi Tahu



Three Waters Reform – an approach for the Ngāi Tahu Takiwā

1. A unified view to optimise outcomes for our communities

Councils throughout the South Island and Ngāi Tahu have independently undertaken reviews to understand options and models for three water services delivery.

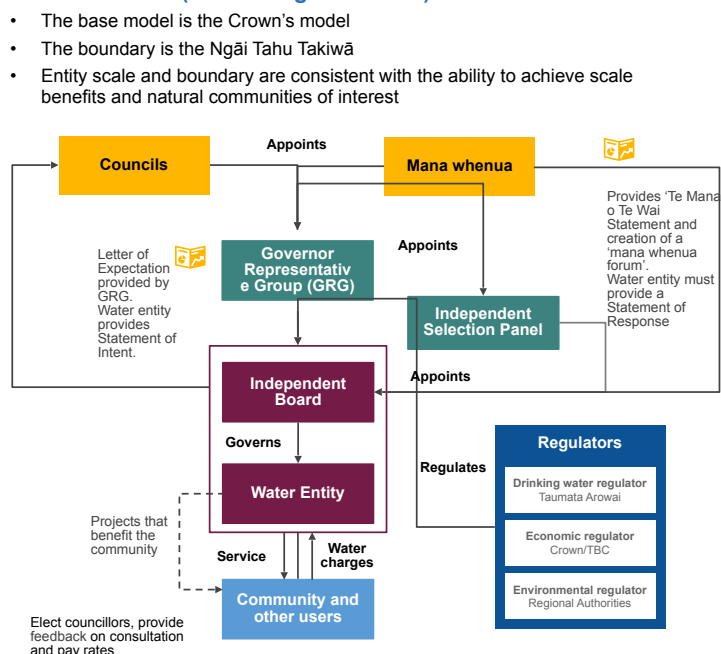


These reviews have **converged** on the development of an **Ngāi Tahu Takiwā entity that is fit-for-purpose to deliver the best outcomes for its communities.**

3 waters reform and the creation of a Ngāi Tahu Takiwā water entity has the potential to enable a step change in environmental, social and economic prosperity in the Takiwā but a compelling case is yet to be made to each council.

We welcome the opportunity to work with you to ensure these outcomes are achieved and optimised. The proposed changes must see every council in a better position than they are. Non Ngāi Tahu councils are outside of this proposal but LG wants to see them well looked after in another entity.

2. A Draft model. (Something like this...)



3. Ensuring successful outcomes

The following are needed to ensure the Ngāi Tahu Takiwā entity can deliver a wide range of benefits to its differing communities:



Ngāi Tahu is able to exercise rangatiratanga in the Takiwā

Must give effect to Treaty principles and legislation and enable Ngāi Tahu to meaningfully participate in decision making.



Investment beyond Transition (tranche 2)

Funding provided must do more than address the transition of assets. There is the opportunity to invest to make lasting change in our communities. National price harmonisation



Flexibility in level of service

Where a district seeks to maintain a higher level of service, they can require it of the entity and fund it locally.



Ability to grow

Communities across the Takiwā must have access to the infrastructure they need to grow, regardless of whether they are small or large.



Governance

Mechanisms must allow for community voice and accountability to those communities.



Public ownership

Assets must remain in the hands of the communities for our generation and the future generations. Non Council supplies default to the new entities.

4. Shaping the Ngāi Tahu Takiwā entity to deliver lasting change

To make sure the model is right for our communities, we need:

- Flexibility:** in legislation and the way any transitional funding can be applied.
- Design:** the ability to design and shape key elements of entity governance and operations that will drive the best results for the Crown, and for Ngāi Tahu and Takiwā council communities.
- Information:** Councils and communities need information in a timely way to enable considered decision making.

Date: 28 May 2021

Presented by: Craig Rowley, FFIP and Digital Connectivity lead

CREDS updates

Purpose

1. This paper provides an overview of the current status of active CREDS projects and seeks agreement from Forum members on the approach for advocacy following the completion of the Mobile Blackspots project.

Recommendations

That the Canterbury Mayoral Forum:

1. **agree to send letters to the Minister for the Digital Economy and Communications, telecommunications companies and Crown Infrastructure Partners advocating for the top ten mobile blackspots identified by the Digital Connectivity project to be addressed**
2. **note updates on other CREDS workstreams.**

Background

2. The CREDS programme comprised a number of projects funded by the Provincial Growth Fund.
3. Two projects remain active; Digital Connectivity – Mobile Blackspots; and the Food and Fibre Innovation Programme (FFIP). This paper provides updates on progress, including recommendations at the conclusion of the Digital Connectivity project.

Mobile Blackspots

4. Mobile Blackspots was the final workstream funded under the Digital Connectivity project. The objective of the workstream was to map mobile coverage of Canterbury's state highways, identify the top 10 blackspots, and then advocate with central government and telecommunications companies for remediation.
5. Mapping was conducted via an app, which was shared with Environment Canterbury staff, and provided to other councils within the region for staff to use if driving. The app tracked mobile signal and used GPS data to map the roads. There was also a map where users could manually flag specific blackspots they were aware of.

6. Project delivery (specifically the data gathering phase) was delayed due to a combination of Covid-19 and resource availability.
7. Once data gathering was complete, a stakeholder workshop was held and participants discussed the identified problem areas. Representatives attended from Fire and Emergency New Zealand, St John, Ashburton District Council, Christchurch City Council, Hurunui District Council, Timaru District Council and Waitaki District Council.
8. Stakeholders were united in their identification of the blackspots and these were mapped by Beca. Data has been provided to Environment Canterbury and will be made publicly available on Canterbury Maps.
9. Advocacy letters have been drafted. These are attached. We propose to send these to the Honourable Dr David Clark, Minister for the Digital Economy and Communications; telecommunications companies; and Crown Infrastructure Partners.

Food and Fibre Innovation Programme

10. The Food and Fibre Innovation Programme was launched in 2018 and is due to be completed by June 2022.
11. The programme consists of two workstreams; High Value Manufacturing, which is contracted to University of Canterbury; and Improving Productivity, which is contracted to ChristchurchNZ.

High Value Manufacturing

12. The University of Canterbury is close to completing two ecosystem maps. The first is an infographic of the research and innovation ecosystem focused on Food, Fibre and Agritech for the Canterbury region, and the second shows Canterbury-based businesses in the Food, Fibre and Agritech supply chain.
13. The maps will be hosted on the ChristchurchNZ website to capture benefits from existing traffic and search engine rankings, but the maps will have a distinct URL.

Improving Productivity

14. ChristchurchNZ has done detailed work to identify key clusters within the food and fibre sector and has developed strategies to support the development of these clusters. The first two clusters identified to develop are agritech and food and beverage. Work is underway with both groups to support further growth.
15. ChristchurchNZ has established two new pipelines to support new businesses to market each year. The programme is funding the establishment and first year of these pipelines and then Callaghan Innovation will provide funding on an ongoing basis. The first pipeline is with FoodSouth, and this is active now. The second is at Te Ohaka and the contract is being worked through. Each pipeline will support five new food businesses into operation each year.

16. Leftfield Innovation opted not to pursue the SFFF pathway with the Ministry for Primary Industries as they are keen to start work on their initiatives with the initial land use focus for Canterbury on specialty grains and high value vegetables for export. Leftfield will continue to provide regular updates to the Mayoral Forum as their projects progress.
17. The Food and Fibre Challenge launched in October and closed in February. It attracted 52 high-quality entrants, 10 of whom went through to the finale on 11 May where a number of significant prizes were awarded, including Overall Winner, Value-Added Product, which was awarded to KarbenFibre and Overall Winner, On-Farm Systems, which was awarded to Clarospec. ChristchurchNZ is working with many of the semi-finalists and finalists to support development of their ideas.

Next steps

18. If the Forum endorses the proposed mobile blackspot advocacy letter we will proceed with sending this to the nominated recipients.

Attachments

- Final Mobile Blackspot Report – Beca
- Draft mobile blackspot advocacy letter

Canterbury Mobile Blackspots

Final Report

Prepared for Environment Canterbury (on behalf of the Canterbury Mayoral Forum)

Prepared by Beca Limited

30 March 2021

**make
everyday
better.**




Creative people together transforming our world

Revision History

Revision N°	Prepared By	Description	Date
1	Bianca Clark	Draft for client review	19/03/2021
2	Bianca Clark	Final for submission	30/03/2021

Document Acceptance

Action	Name	Signed	Date
Prepared by	Bianca Clark		19/03/2021
Reviewed by	Orlando Kootstra		19/03/2021
Approved by	Orlando Kootstra		19/03/2021
on behalf of	Beca Limited		

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Methodology	3
Stakeholder Engagement Workshop Feedback Summary	8
Priority Mobile Blackspots	16
Conclusion	16

Appendices

- Appendix A – NetMonitor Instruction Guide
- Appendix B – Stakeholder Engagement Plan
- Appendix C – Report Maps

Project Purpose

This project was initiated by the Mayoral Forum which is made up of the Chair of Environment Canterbury and the Mayors of the 10 territorial authorities in Canterbury.

In our increasingly connected world, having access to mobile coverage in as many areas as possible is becoming enormously valuable and in some cases even essential for day to day operations. The Mayoral Forum recognises this significance and wanted to better understand the potential economic and social benefits of reducing mobile blackspots on improved productivity and logistics, safety and emergency operations and the tourism sector. Using this information alongside the ground testing process the final task is to advocate targeted investment in mobile telecommunications infrastructure where it is likely to have the greatest impact on economic and social development in the region.

The purpose of this project was to test current voice mobile coverage data by completing on the ground field testing on Canterbury state highways and using this data to gain an understanding of state highway mobile blackspot locations. Once these mobile blackspot locations have been identified, then working with a group of stakeholders to define and prioritise them. The project also sought to provide some validation of mobile coverage data that already exists to understand how well this data matched the ground tested data to help inform how it can be used to undertake wider analysis in the future.

Methodology

This project involved regional council and territorial authority field staff crowdsourcing drive test data, which was collected across Canterbury State highways, capturing mobile signal service levels. This data was used together with other data gathered during the project to identify road segments as mobile blackspots. Stakeholder engagement was then undertaken to confirm these locations and determine the priority of these sections.

The methodology consists of the following steps:

1. Desktop study and data collation
2. Capture of anecdotal information from stakeholders
3. Field data collection using NetMonitor mobile application
4. Identification of mobile blackspots
5. Matrix of social and economic datasets to assist with prioritisation
6. Stakeholder engagement workshop

1. Desktop Study and Data Collation:

The desktop study explored the datasets that were already available which could help inform early prioritisation of areas, provide a contextual picture of coverage, and be used as a basis for testing the driven data against. As part of the study CIP were contacted to find out what regionally specific mobile coverage data they had, including drive test data, planned tower build locations and the proposed coverage of these towers. Available mobile coverage data was also gathered from telecommunications companies.

2. Capture of Anecdotal Mobile Blackspot Information:

A list of stakeholders was provided by the Mayoral Forum including contacts from each of the territorial authorities, rural post, milk companies, emergency management teams and the NZ Trucking association. A full list of stakeholders can be found in Appendix B. Stakeholders were provided with a crowdsourcing web map (figure 1) which allowed them to identify locations within the region that they understood to be mobile blackspots. It also offered the opportunity for the stakeholders to provide feedback on how their business was impacted by the lack of coverage.

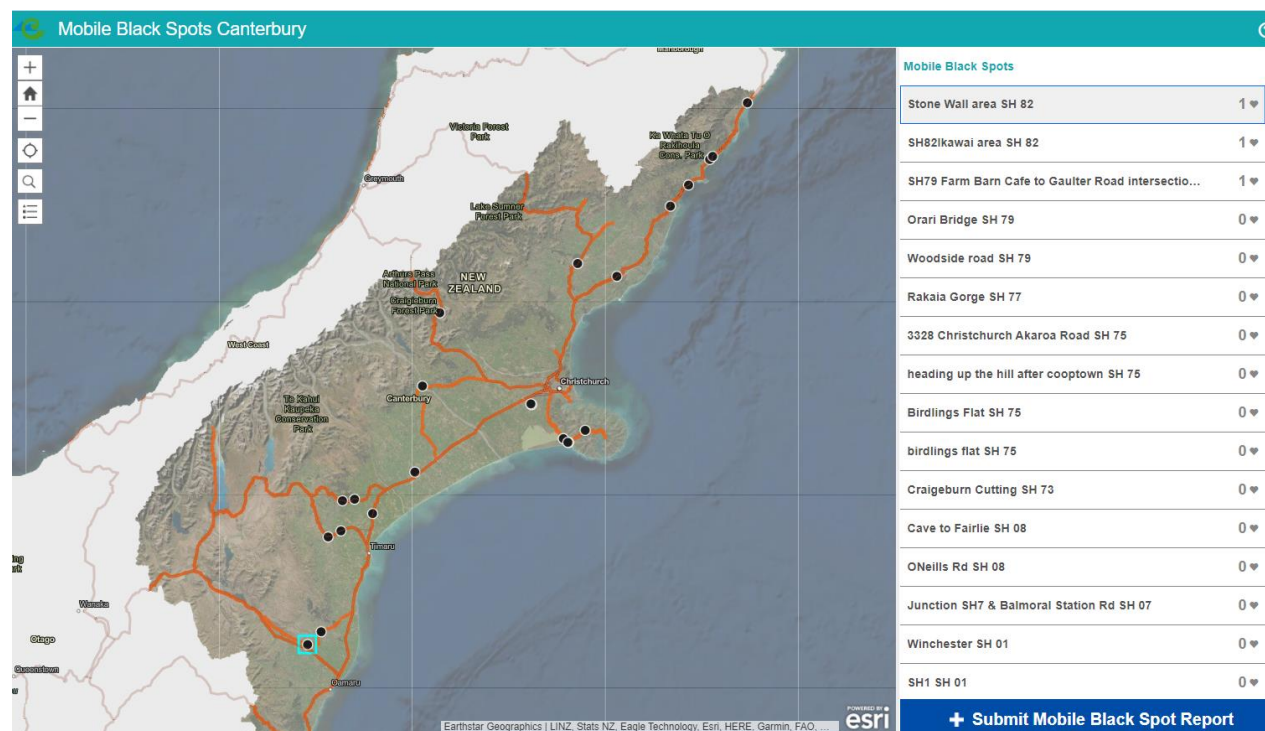


Figure 1 Stakeholder identified mobile blackspots

3. Mobile Data Collection and Processing

The Mayoral Forum engaged field staff from Environment Canterbury and other territorial authorities in the region to capture mobile signal data. A drive tested dataset was collected and built to support existing evidence of blackspots across Canterbury state highways. An application called “NetMonitor Cell Signal Logging Lite” (NetMonitor) was used to capture signal service levels as received from towers to a mobile device.

Instructions and guidance on how to use the application can be found in Appendix A. Processing of the resulting data captured included converting the text files into a geospatial format, testing each data point for the required service level, and distinguishing data collected on the state highway network.

The required service levels used on this project were supplied by the Rural Connectivity Group (RCG) who are working with CIP to build state highway mobile voice coverage across the country. Where the received signal strength indication (rssi) is greater than or equal to -123 dBm (decibel-milliwatts) as detected inside the vehicle the service level for mobile voice calls is met, as shown in Figure 2.

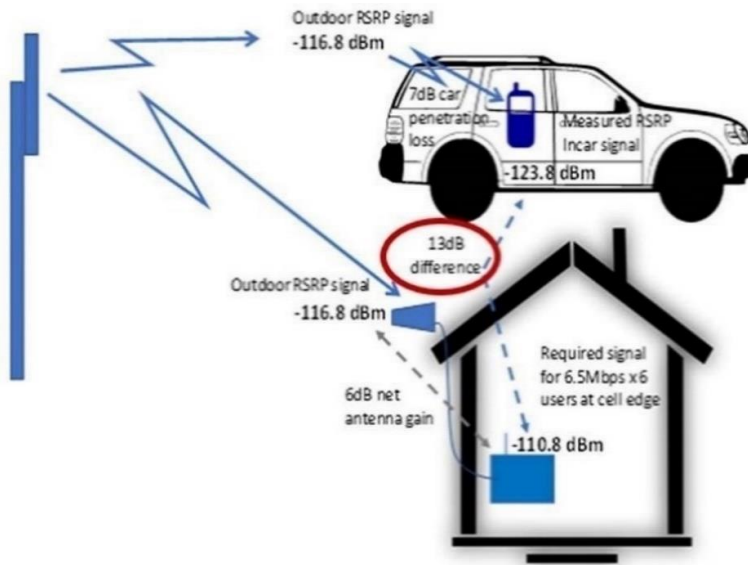


Figure 2 Link diagram showing mobile signal strength levels (dBm) in a vehicle. As provided by the Rural Connectivity Group to Crown Infrastructure Partners.

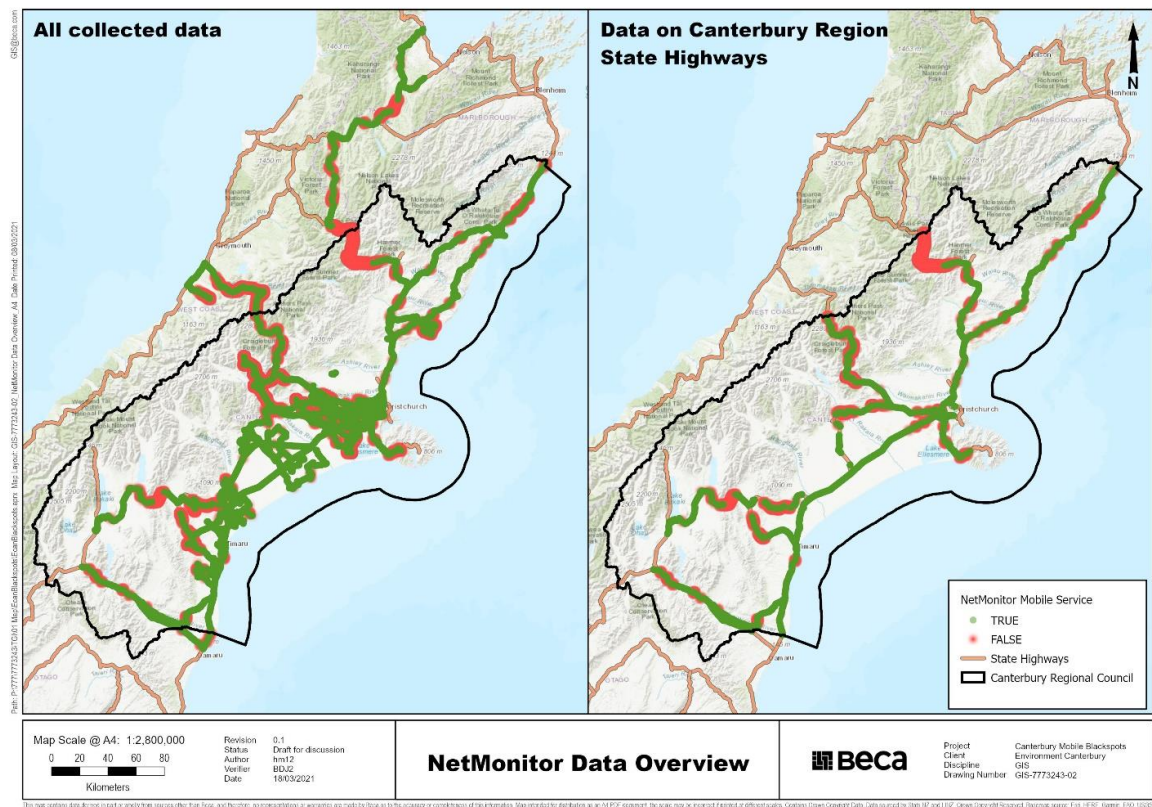


Figure 3 NetMonitor data received and clipped to Canterbury state highway

Figure 3 shows the coverage of NetMonitor data that was received. While this coverage is not complete and exhaustive, it does provide direct and measurable observation of mobile service levels across Canterbury.

4. Mobile Blackspot Identification

For this project a mobile blackspot has been defined as any section of state highway that does not meet the required service level for voice calls, as recorded by NetMonitor, along a section of state highway at least 400m long. This is in keeping with the commonly used 400m distance in transport accessibility studies on walking and cycling services and is based on the assumption that in an emergency most people should be able to walk that 400m in a reasonable time to call for help (see note below).

Following the stakeholder engagement process, the mobile blackspot definition was adjusted to include 'low service levels' in places that coincide with anecdotal evidence of service loss, this includes rssi values between -123 dBm and -113 dBm. An example of this can be seen in Winchester (figure 4 below).

Note: a 400m distance is commonly used in transport accessibility studies for cycling and walking services. See NZTA report (<https://www.nzta.govt.nz/assets/consultation/guidelines-for-public-transport-infrastructure/docs/guidelines-pt-infrastructure-draft.pdf>).

In some instances, mobile blackspots have been categorised as No Signal - One Direction. This is where the rssi value has been less than the -123 dBm threshold while the vehicle was driving in one direction but when a vehicle has driven the opposite direction the phone has not lost connectivity.

Along some segments of state highway, GPS connectivity has been lost while data has been collected, this has meant that no location data has been returned in the processing. As mobile service is not reliant on a GPS satellite connection, data continued to be captured at regular intervals while driving these areas and we have confirmed that these locations are all categorised as mobile blackspots due to the rssi values being less than the -123dBm threshold.

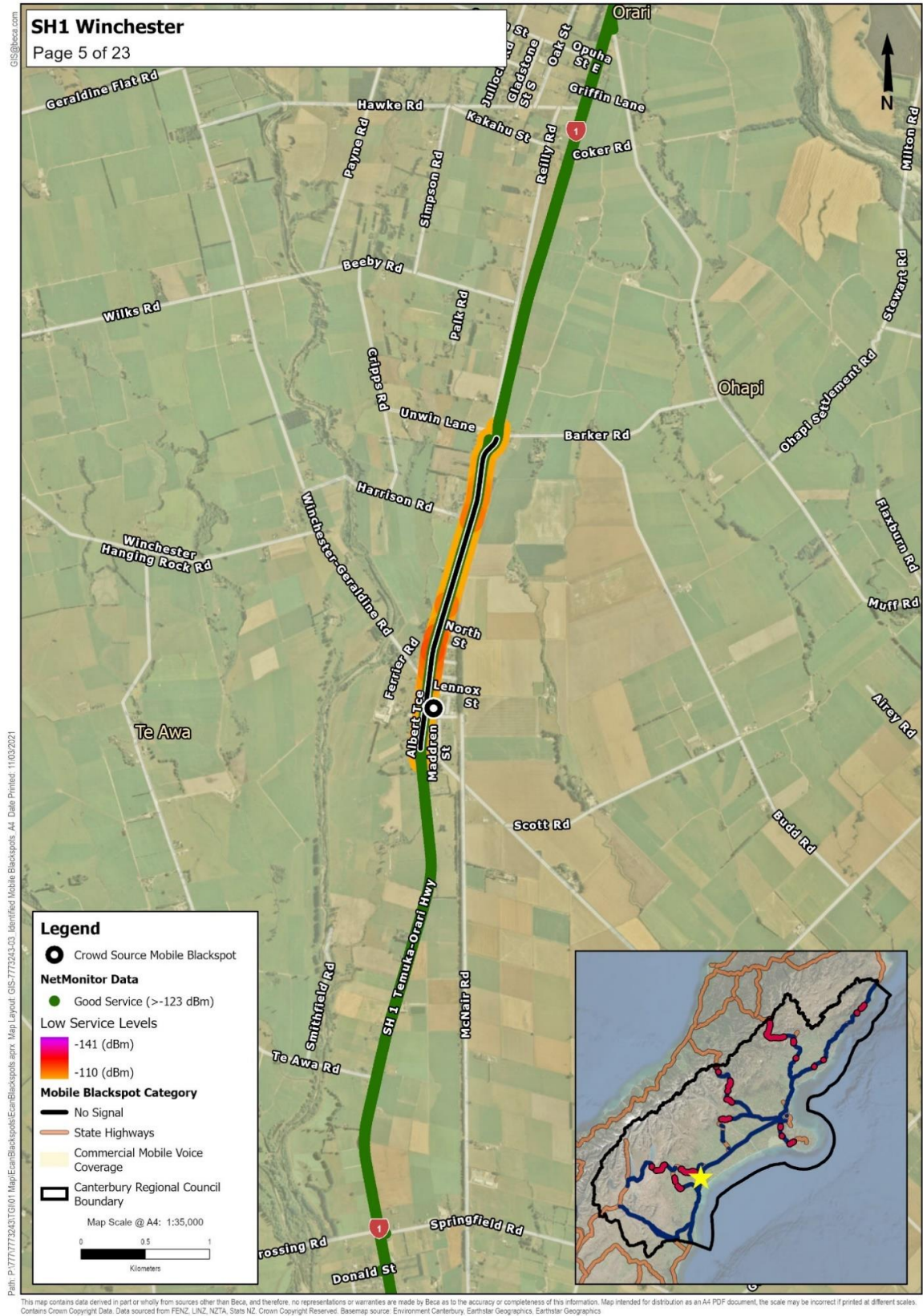


Figure 4 Winchester Mobile Blackspot

5. Mobile Blackspot Priority Analysis

Each mobile blackspot has been analysed against the datasets listed in table 1 to capture the attributes of the layer against the blackspot. These metrics were used to understand some of the criteria regarding the social and economic effects of mobile black spots including how many cars are using the state highway, population numbers affected and number of emergency call outs along the segment.

Table 1 Priority Matrix Inputs

Dataset Name	Description	Source	Open data (if available)
Segment Length	The distance of each blackspot segment	Mobile blackspot identification output	
Average annual daily traffic (AADT)	Median AADT of segments taken as the value	Waka Kotahi NZ Transport Agency	Weblink
Heavy vehicles AADT	Median AADT of segments taken as the value	Waka Kotahi NZ Transport Agency	Weblink
Usual Resident Population (2018)	Intersect on Statistical Area 2 boundary. Where more than one area intersects a segment the population with largest area is selected.	Stats NZ 2018 Census by Statistical Area 2 for the Canterbury Region	Weblink
Crash Data	Selected within 50m radius of continuous blackspot. Sum of each crash type <ul style="list-style-type: none"> - Fatal - Serious - Minor 	Waka Kotahi NZ Transport Agency	Weblink
Fire and Emergency NZ Incident Data	This incident record contains point locations for call out incidents, including a time and date alongside a categorised incident type. Provided by Chris Munro, the Operations Manager for the Southern Communications Centre.	Fire and Emergency NZ (FENZ)	Private dataset
Townships	Townships that a mobile blackspot goes through.	Land information New Zealand	Weblink

During the stakeholder engagement workshops more information was added to these blackspot segments such as if the section has heavy tourist dependence.

Stakeholder Engagement Workshop Feedback Summary

The project was introduced to key stakeholders identified by the Mayoral Forum via an email on 17 June 2020. Once the drive test data was predominantly collected, a workshop was held with the stakeholders to interrogate mobile blackspot data identified in the process described above. The workshop was held on Friday 12th February 2021 and was attended by staff from the below organisations. This was a subset of the original list of stakeholders as identified in Appendix B.

Ashburton District Council

Christchurch City Council
 Hurunui District Council
 Timaru District Council
 Waitaki District Council
 St Johns
 Fire and Emergency NZ

After a general introduction to the project, attendees were given the opportunity to outline their key drivers and the impacts of mobile blackspots as shown in Figure 5 below.

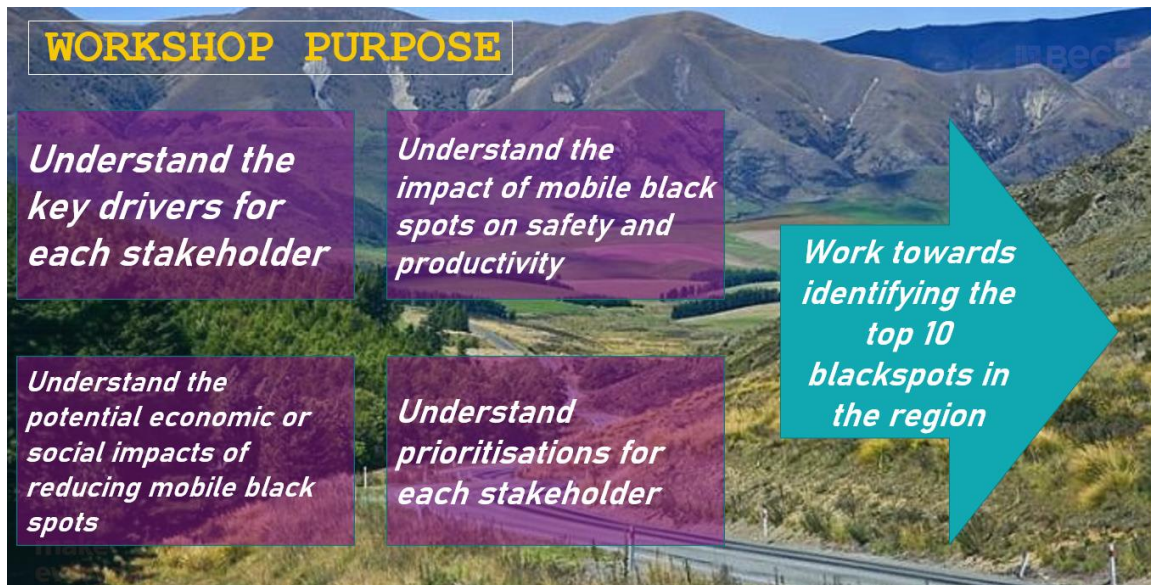


Figure 5 Workshop questions put to stakeholders

Key Drivers

St John and FENZ were principally concerned with reducing response time to incidents either through improving the speed that callers could connect to emergency services or improved accuracy of Enhanced Caller Location technology which pinpoints where an emergency call is being made from by providing coordinates (therefore, if an incident occurs in a mobile black spot and someone has to travel away from the incident to get signal or call from a landline, time is added to the response while the incident site is located). They were also concerned about improving the safety for their staff, particularly where they have only one paramedic in a paramedic crew. Further to this, advice on how to respond to a situation is provided from the call centre to paramedics and this cannot be undertaken where within a blackspot so improved coverage improves standard of care.

The territorial authorities were concerned with community safety including:

- Improved coverage of Civil Defence Tools (bulk messaging regarding natural disasters and events such as Covid19 outbreaks)
- Safety of their staff when out on site or travelling around their district
- Supporting better access to *555 calls and decreasing police response times
- Community connectivity and the flow on effects on wellbeing and health
- Improving the ability to gather information about assets and incidents across the region (i.e. water quality data collection and integration, reporting of maintenance / general complaints, wandering stock)
- More consistent and reliable access to the internet to support tourism and leisure activities

Impact on Productivity:

Councils currently rely on telemetry equipment that uses radio technology for communication. This equipment comes at a significant cost so being able to explore and use alternative methods with improved cell phone coverage could save Council's money.

The emergency call centre now uses Enhanced Caller Location technology that locates where a call has been made from via GPS. This improves the ability of emergency staff to get to an incident quickly as 80% of calls come from cell phones.

Civil Defence relies on bulk emergency messaging services to distribute key urgent communications i.e. emergency event evacuations.

Potential Social and economic impacts of reducing

It is common for farmers to use monitoring technology that uses cell phone coverage to manage farms. Proving more uniform cell phone coverage levels the playing field for farmers across the Region.

Improved cell phone coverage allows people to access to internet and data without having a monthly plan and via a range of devices. This enables and improves social connectivity without the same financial outlay.

The Government's three waters reform will likely require better use of data. Improved cell phone coverage will improve integration of collected data with territorial authority's data sources, providing better and faster updates.

Following the exploration of the key drivers and impacts a prioritised list of mobile blackspot was discussed in further detail and input from each attendee was gathered. The blackspot assessment provided a number of insights, including some specific additional ones provided by St John and Fire and Emergency NZ (FENZ). This discussion is captured below in Table 2.

Table 2 Workshop feedback

Black Spot State Highway and Location	Category	Length (km)	FENZ Incidents (All)	Traffic AADT	Heavy Transport	Total Crash Count	Population (2018)	Tourist Route	Discussion	CIP Built and Planned Coverage	Priority
SH1 at Domett Rd	No Signal - One Direction	0.30	0	3115	716	3	1323	Yes	High main trunk route tourism and freight.		Low
SH1 at Greta Rd	No Signal - One Direction	0.53	1	3115	716	4	1242	Yes	High main trunk route tourism and freight.		Low
SH1 Kaikoura Coast at Mangamaunu	No Signal - One Direction	1.03	7	3097	681	22	1689	Yes	High main trunk route tourism and freight. Crash risks	Segments of identified SH mobile blackspots by CIP have current bids for service to be built by the RCG	Medium
SH1 Kaikoura Coast Half Moon Bay to Okiwi Bay	No Signal	0.47	0	3097	681	21	1689	Yes	Blackspots on inside of corners where there is mobile coverage "shadow". Major events in this region i.e. Kaikōura earthquake. During this time, FENZ was required to have cell phones from 3 providers. Technically challenging to fix. High main trunk route for tourists and trucking firms. Crash risks	Segments of identified SH mobile blackspots by CIP have current bids for service to be built by the RCG	High
	No Signal	1.03	1	3097	681	19	1689	Yes			
	No Signal	0.48	4	3097	681	20	1689	Yes			
	No Signal	0.77	3	3097	681	2	1689	Yes			
SH1 Winchester	No Signal	2.50	14	9069	1542	55	1761	Yes	Small businesses nearby - but for Council it is the inability to make contact when reviewing problems and projects in the area. High FENZ incident count.		Medium

Black Spot State Highway and Location	Category	Length (km)	FENZ Incidents (All)	Traffic AADT	Heavy Transport	Total Crash Count	Population (2018)	Tourist Route	Discussion	CIP Built and Planned Coverage	Priority
SH7 Lewis Pass	No Signal	45.91	78	1317	237	319	261	Yes	A lot of fires here in dry season Variable weather St John attend a lot of non-crash related instances events here		High
	No Signal	0.67	3	1317	237	12	261	Yes	High traffic route, lots of tramping tracks, huts, hunting so would be worth discussing with LandSAR teams. Also, a very long mobile blackspot		
SH7 at Culverdon Rd	No Signal - One Direction	0.59	0	3683	589	2	2223	Yes	As above		Medium
SH7 at Marble Point	No Signal	4.08	8	3005	451	39	2223	Yes	As above	Segments of identified SH mobile blackspots by CIP have current bids for service to be built by the RCG	Medium
SH73 Arthurs Pass	No Signal - One Direction	0.46	1	1639	328	5	159	Yes		RCG have recently built towers in this region to provide mobile voice coverage as part of CIPs Mobile blackspot fund	High
	No Signal - One Direction	0.80	5	1486	193	0	159	Yes			
SH73 at Craigieburn Cutting	No Signal	2.17	4	2013	382	6	159	Yes	St John – identify this area as patchy Busy location for FENZ with some major fires here New cell sites at Castle Hill and Cass but these areas lie between		High
	No Signal	3.19	2	2013	382	14	159	Yes			
	No Signal - One Direction	5.24	1	2013	382	9	159	Yes			

Black Spot State Highway and Location	Category	Length (km)	FENZ Incidents (All)	Traffic AADT	Heavy Transport	Total Crash Count	Population (2018)	Tourist Route	Discussion	CIP Built and Planned Coverage	Priority
SH73 Porters Pass	No Signal	3.28	2	1978	277	24	1164	Yes	Steep winding road with significant ice issues during winter (requires speed restrictions due to the danger). A large number of dangerous overtaking maneuvers happen here due to no ability to pass trucks going uphill.		High
	No Signal	2.00	3	1978	277	19	159	Yes			
	No Signal	2.49	3	1978	277	20	159	Yes			
SH75 at Tai Tapu Rd	No Signal	1.71	5	6794	272	7	1701	Yes	This blackspot is more of an inconvenience than Catons Bay. There are more lifestyleers, more commuters. Proximity to Christchurch. Very high AADT values and population.		Medium
SH75 Birdlings Flat & Catons Bay	No Signal	1.26	5	3060	214	7	1168	Yes	Catons Bay on Lake Wairewa / Forsyth is a freedom camp location. Not particularly isolated.	RCG have recently built towers in this region to provide mobile voice coverage as part of CIPs Mobile blackspot fund	Medium
	No Signal	0.82	3	3060	214	4	1167	Yes			
	No Signal	0.49	2	3060	214	6	1167	Yes			
SH75 Motukarara	No Signal	0.53	1	3837	307	3	612	Yes	Inconvenience because calls drop out but not a hazard, only a few houses here		Low
SH77 Rakaia Gorge	No Signal	0.80	1	1501	270	0	1449	Yes	Higher transport route in the winter to access Mt Hutt ski field		Medium
	No Signal	0.97	7	1501	270	6	1449	Yes			
	No Signal	2.19	10	1501	270	14	1449	Yes			

Black Spot State Highway and Location	Category	Length (km)	FENZ Incidents (All)	Traffic AADT	Heavy Transport	Total Crash Count	Population (2018)	Tourist Route	Discussion	CIP Built and Planned Coverage	Priority
SH77 Windwhistle	No Signal	0.55	0	1501	270	1	1194	No			Low
	No Signal	0.73	0	1501	270	3	1194	No			
SH79 Geraldine-Fairlie Highway	No Signal	3.11	4	2461	295	14	1368	Yes	Lower crash areas but high compared to the others Variable weather Slow & impatient drivers Lot of fire issues - time delay = bigger impact St Johns have flagged this area as an issue Airport to Mt Cook route = tourists that have just landed & first windy, hilly road they have encountered. No communications, also accident-prone road		High
	No Signal	0.87	1	2461	295	7	1368	Yes			
	No Signal	2.95	5	2461	295	17	1368	Yes			
SH79 Hilton	No Signal	0.92	1	2461	295	9	1368	Yes			Medium
	No Signal	4.38	11	2707	325	16	1368	Yes			
SH79 Opuha River Bridge	No Signal	0.42	2	2576	421	12	1368	Yes			Medium
	No Signal	0.39	2	2576	412	2	1347	Yes			
	No Signal	0.84	0	2464	295	1	1368	Yes			
SH8 Albury	No Signal - One Direction	5.42	2	3056	428	18	1347	No	Can't make contact while in this area; high volume freight and service road		Medium

Black Spot State Highway and Location	Category	Length (km)	FENZ Incidents (All)	Traffic AADT	Heavy Transport	Total Crash Count	Population (2018)	Tourist Route	Discussion	CIP Built and Planned Coverage	Priority
SH8 Cave	No Signal	6.75	5	2251	315	19	1347	No	Little township which is not serviced Likely increase of heavy traffic due to forestry. Water main suppliers located through there. No cell phone coverage limits effectiveness of FENZ pagers.		High
SH8 Burkes Pass	No Signal	12.60	20	3543	425	76	1347	Yes	Blackspot includes Burkes Pass community and businesses. Large black spot, high crash and incident rates.		High
	No Signal	0.88	4	3212	353	19	1182	Yes			
SH8 Whisky Cutting	No Signal	1.09	4	3212	353	6	1182	Yes	High tourist route so tourists are fresh off the plane although this doesn't translate to crashes. Straight, open, and wide here so good driving conditions however, flat, open, wide and windy makes it a fire hazard. A lot of fire incidences here		High

Priority Mobile Blackspots

The workshop attendees discussed their priorities and based on that discussion the following top ten priority areas have been selected –

1. SH7 Lewis Pass
2. SH8 at the Cave township
3. SH75 at Tai Tapu
4. SH73 Arthur's Pass
5. SH73 Craigieburn Cutting
6. SH73 Porters Pass
7. SH79 Geraldine - Fairlie highway
8. SH8 Burkes Pass
9. SH1 Kaikoura Coast Half Moon Bay to Okiwi Bay
10. SH77 Rakaia Gorge

The attendees also identified another route that has high priority for them, but it is not classified as a state highway and therefore sits outside of the parameters of this project. This mobile blackspot is the inland route / alternative state highway. This route is used when the state highway networks along the coast north to south are closed, for instance, after the Kaikōura earthquake.

A lot of discussion was centred on the locations where St Johns and FENZ attend numerous incidents which are not crash related and therefore, was not recorded in the data we held. FENZ offered to provide their incident report data so that it can be added to our data matrix analysis. This was added after the workshop and included in the final analysis.

Timaru District Council noted that there were mobile blackspots in their jurisdiction that were not mapped by the drive test data we received. They offered to have a summer intern undertake a drive test of the state highways in their area to close this data gap. This drive test data was provided and has been included in the final analysis. It did not include any additional mobile blackspots.

The attendees identified several organisations not in attendance that they felt would benefit from joining the conversation. These included –

Federated Farmers
Enterprise North Canterbury
Canterbury Waka Kotahi New Zealand Transport Agency
LandSAR

Conclusion

Mobile signal data was collected by engaging field staff from the regional council and territorial authorities to crowdsource using an app called NetMonitor. Although the drive test data collected within this project has not produced a complete dataset of drive testing on Canterbury state highways, the coverage area of collected data covers a large majority of state highways in Canterbury. The drive test data alone does not provide a robust dataset for scientific analysis but can be used in conjunction with other data collected during the project such as anecdotal information from stakeholders and mobile coverage maps available from telecommunications companies.

Some key indicators can be drawn from the data collected:

- The existing and planned mobile coverage data already available from telecommunications companies and CIP can be used generally at the macro level to determine the worst mobile blackspot areas.

- Using a combination of the data output from drive testing, anecdotal evidence and the telecommunications mobile coverage data can provide an understanding of the worst mobile blackspot areas and highlight areas for discussion or further testing if required.
- The data collected has provided suitable information for stakeholder engagement to take place allowing interpretation and prioritisation based on the contribution of the workshop attendees.

Some opportunities noted for future reference include:

- Increasing the drive test data collected. This could include:
 - Increasing the total coverage of data collected to cover all state highways
 - Increasing the number of passes on each state highway
 - Specifically choosing phones that use different network providers for comparison
 - Include non-state highway roads

This could provide more accuracy on the specific locations of mobile blackspots and give a better understanding of the entire region and an insight into changes in mobile coverage across different providers.

- Involve additional stakeholder groups to provide insight into more commercial benefits and outcomes of increased mobile coverage.

The stakeholder engagement workshop allowed us to identify ten high priority mobile blackspot areas to be put forward for advocacy to central government, CIP, and telecommunications companies.

1. SH7 Lewis Pass
2. SH8 at the Cave township
3. SH75 at Tai Tapu
4. SH73 Arthur's Pass
5. SH73 Craigieburn Cutting
6. SH73 Porters Pass
7. SH79 Geraldine - Fairlie highway
8. SH8 Burkes Pass
9. SH1 Kaikoura Coast Half Moon Bay to Okiwi Bay
10. SH77 Rakaia Gorge

The most common driver from stakeholders that aided the prioritisation of these mobile blackspots was safety. Safety of council field staff, communities, emergency services staff working alone, tourists and all state highway users. Other drivers included community connectivity, information gathering regarding incidents and assets, more consistent and reliable access to the internet to support tourism and leisure activities.

A

Appendix A – NetMonitor Instruction Guide

Canterbury Mobile Black Spots Data Capture Guide

NetMonitor Cell Signal Logging

Prepared for Environment Canterbury (on behalf of the Canterbury Mayoral Forum)

Prepared by Beca Limited

28 May 2020



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Appendices

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Revision History

Revision N°	Prepared By	Description	Date
1.0	Marc Graham	Draft for client review	08/06/2020

Document Acceptance

Action	Name	Signed	Date
Prepared by	Marc Graham		08/06/2020
Reviewed by	Bianca Clark		10/06/2020
Approved by	Orlando Kootstra		11/06/2020
on behalf of	Beca Limited		

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Executive Summary

Environment Canterbury has commissioned Beca to design and conduct a data gathering exercise with the intent to determine black spots in cellular coverage on State Highways in the Canterbury Region. This document is intended to provide a guide to anyone who will be participating in the data gathering exercise.

It covers:

- The mobile application and hardware to be used
- How to configure the app for data gathering
- Safe operation while driving
- How to export data
- Where to send the exported data

1 The Mobile Application

Users should download the application “NetMonitor Cell Signal Logging Lite” (NetMonitor). Please be aware there are applications with similar names, as well as a Pro version of this app. The free version is suitable, and no user is required to purchase any applications for this data gathering exercise.

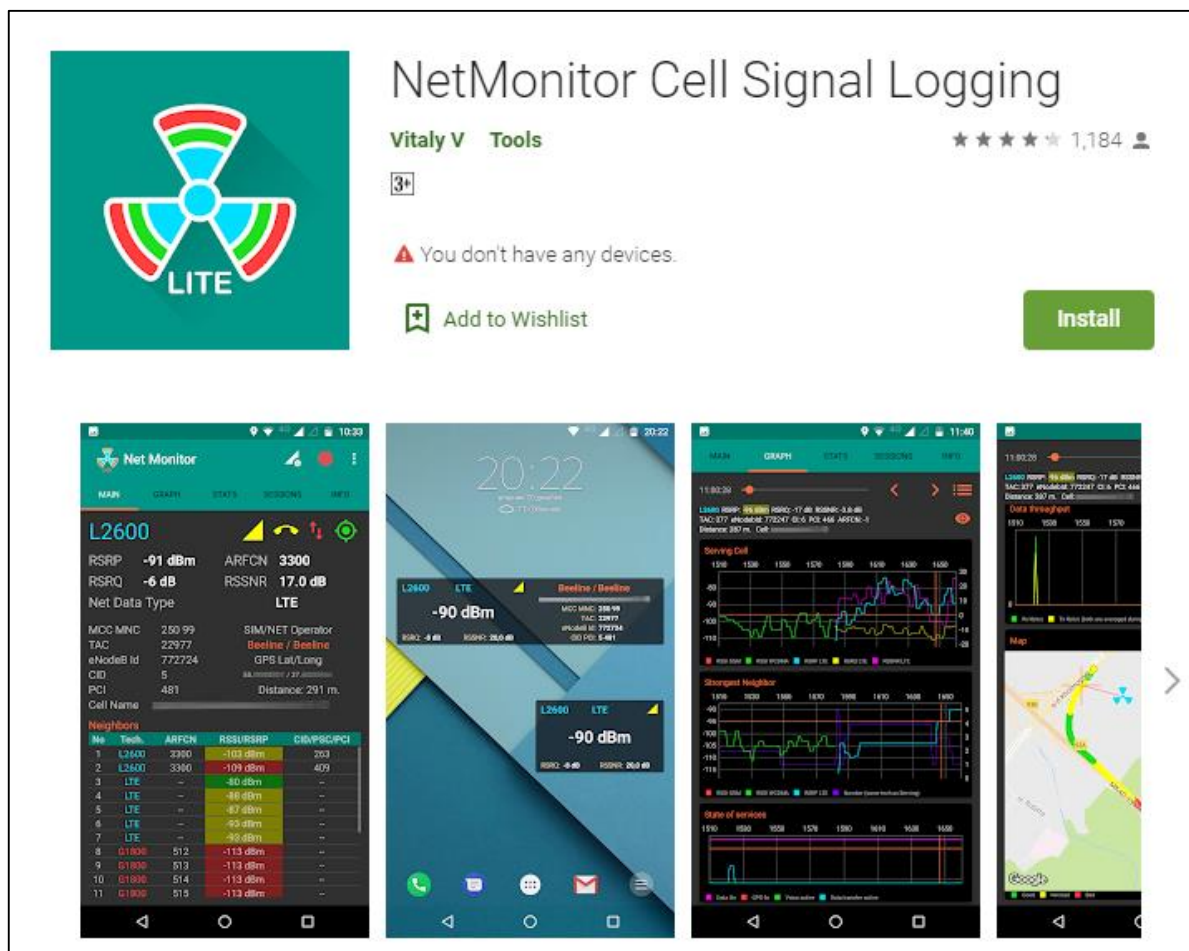


Figure 1 NetMonitor Cell Signal Logging in the Google Play store

2 Suitable Hardware and Operating System

NetMonitor is designed to run on the Android operating system. It requires access to the cellular hardware that is not possible on iOS devices. Phones are **required** rather than tablets, even if a tablet has a sim card for cellular data. The phone should run Android 4.3 or later.

3 Operating NetMonitor & Safety Recommendations

Do not interact with the phone or application while driving. Any time you need to interact with the phone application the vehicle should be stationary and parked in a safe location.

Initial App Set-up (In the Office)

The first time you open the app it will request specific permissions. Please grant all requested permissions to ensure the app works correctly.

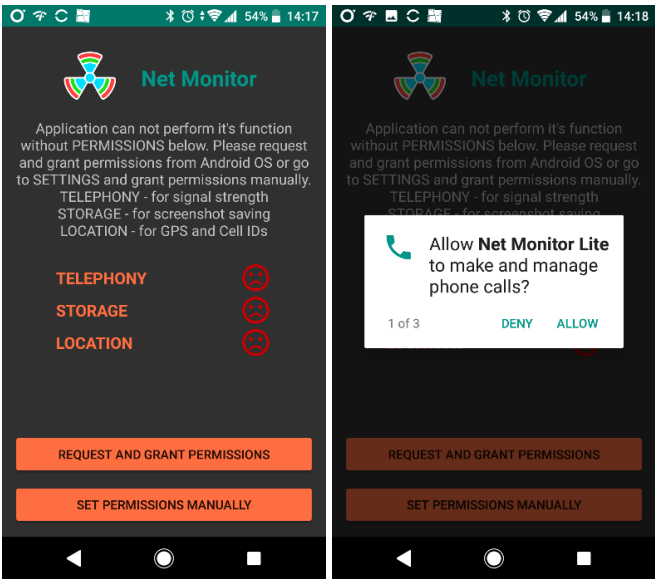


Figure 2 NetMonitor requests telephony, storage and location permissions

Accept any information messages that popup by clicking the OK button.

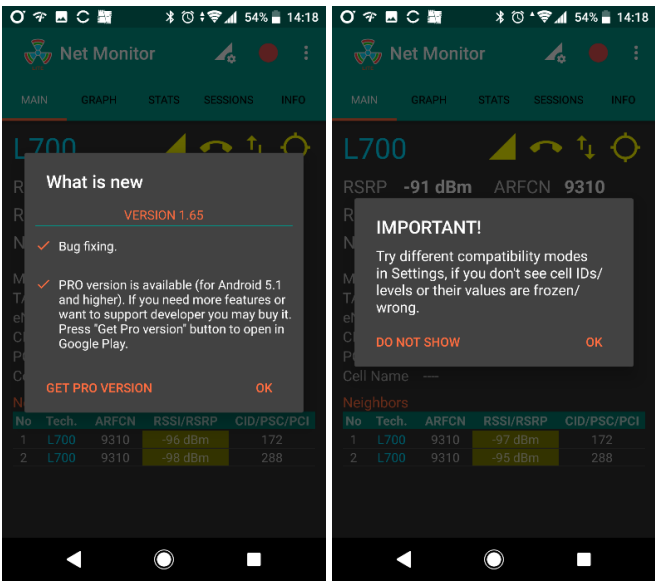


Figure 3 Information messages

Steps to capture Cell Signal data (set up in stationary vehicle)

1. Open the app.



Figure 4 App Icon

2. Begin capturing data in a new session. To start a session, press on the Red circle in the Top Right corner (indicated with the yellow arrow).

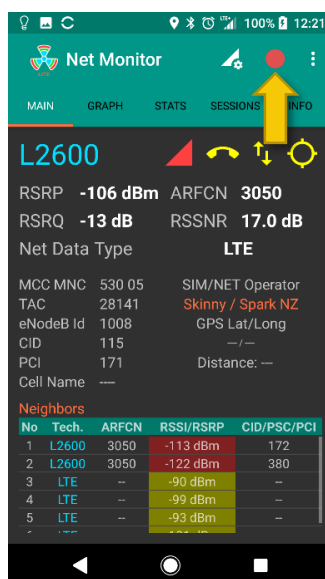


Figure 5 Begin recording options

3. Ensure phone is in clear view of the sky and mounted in a car device holder or properly secured to limit movement in a location that is not distracting to the driver.
4. Where possible ensure the phone is plugged in to genuine tested charging cable as regular use of the GPS can deplete the battery quickly.
5. Follow NZ Legislation requirements outlined in [7.3A Ban on use of mobile phones while driving](#).

6. Once the user has driven their route, they should pull over to a safe location ensuring the vehicle is stationary before stopping data recording.

To stop data recording press on the White square in the Top Right corner (indicated with the yellow arrow).

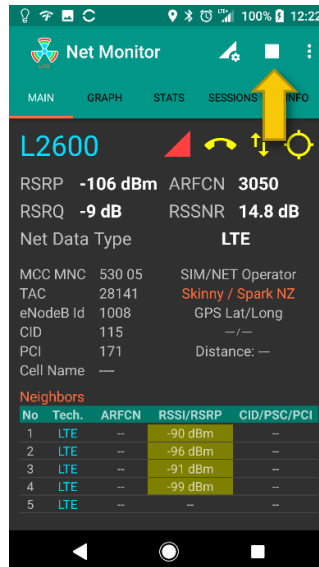


Figure 6 Stop data recording

Users can start and stop recording as many times as they like. Each session will be recorded and stored as separate sessions in the application. Each session must be exported and emailed separately.

4 Exporting and emailing NetMonitor data

Each session should be exported from the application as a CSV file and emailed to project-48116@workspace.beca.com.

1. The user should press on the “Sessions” Tab (Indicated with a yellow arrow).

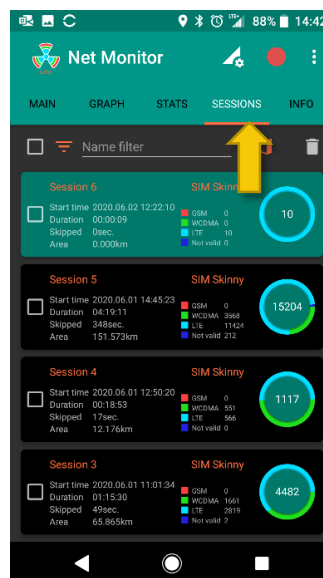


Figure 7 Sessions tab

- The User should long press on each session to export and will be asked to choose an action. Choose “Export Session to CSV File” (Indicated with a yellow arrow).

Choose the “Email” option (Indicated with a yellow arrow) and it will launch your email app of choice. Send to project-48116@workspace.beca.com.

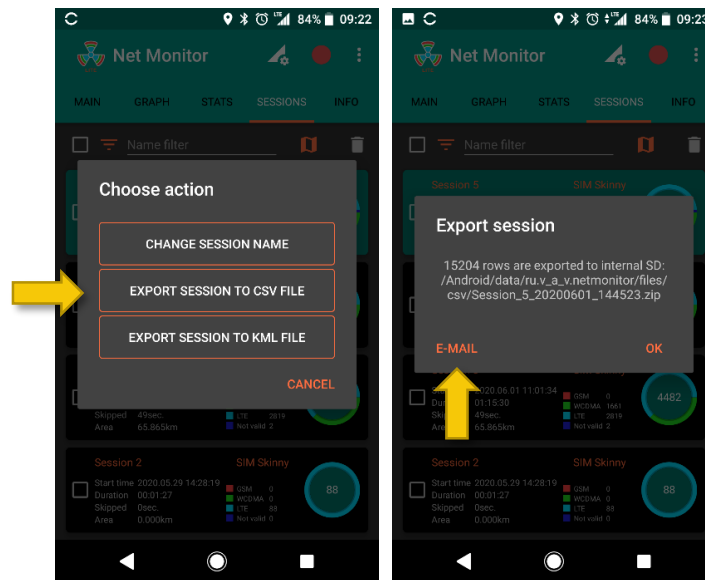


Figure 8 Export session to CSV file via email

- Once the sessions are emailed the users can delete the data from their phones. Select all sessions to delete using the check boxes on the left-hand side and pressing the delete icon (Indicated with a yellow arrow) in the top right of the session list.

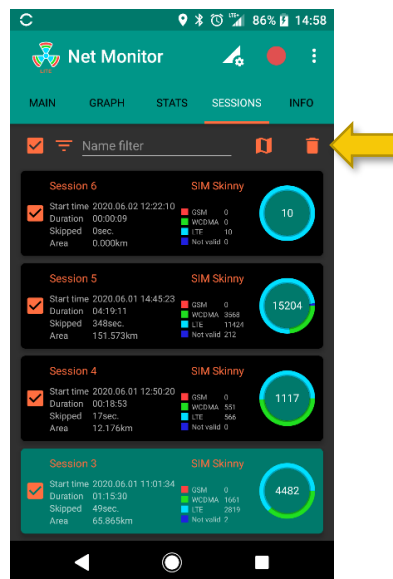


Figure 9 Selected sessions

5 Help

If you have any issues using the app, please email project-48116@workspace.beca.com with an explanation of the issue you are having.

B

Appendix B – Stakeholder Engagement Plan

Communication and Engagement Plan

Prepared for Environment Canterbury (on behalf of the Canterbury Mayoral Forum)

Prepared by Beca Limited

19 March 2021



Creative people together transforming our world

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Appendices

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Revision History

Revision N°	Prepared By	Description	Date
	Genevieve Doube	Draft	12 May 2020
	Genevieve Doube	Draft for client review	11 June 2020
	Genevieve Doube	Amendments following client review	12 June 2020
	Genevieve Doube	Amendments following workshop	15 February 2021

Document Acceptance

Action	Name	Signed	Date
Prepared by	Genevieve Doube		15 February 2021
Reviewed by	Natalie Dixon		19 March 2021
Approved by			
on behalf of	Beca Limited		

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1 Purpose

The purpose of this plan is to outline the communication and stakeholder engagement approach for the Canterbury Mayoral Forum Mobile Blackspots Project.

2 Project Outline and Background

Good mobile coverage is an enabler for productivity and logistics, safety and emergency services, the tourism sector and communication in our rural communities.

There is government funding available to help tackle mobile black spots but first the Canterbury Mayoral Forum need to identify the key state highway black spots, and then prioritise a list of the top 10 we would like funding for.

Crown Infrastructure Partners Limited (CIP) and the Ministry of Business Innovation and Employment (MBIE) have GIS mapped mobile coverage using publicly available data, however experience on the ground and anecdotal evidence indicate that this may not provide an accurate picture of the actual coverage that can be achieved throughout rural Canterbury.

The Canterbury Mayoral Forum have engaged Beca to ground truth existing mapped mobile coverage data and work with key stakeholders to come up with a list of the region's state highway mobile black spots.

A desktop study will explore the datasets that are already available which could help inform early prioritisation of areas, provide a contextual picture of coverage, and be used as a basis for testing the driven data against.

As part of the study CIP will be contacted to find out what regionally specific mobile coverage data they had, including drive test data, planned tower build locations and the proposed coverage of these towers. Available mobile coverage data will also be gathered from telecommunications companies. We will also interface with CIP and the telecommunication providers to understand what constitutes an acceptable level of service for cellular data and communications.

Prior to commencing the drive testing it will also be important to understand the anecdotal evidence of poor coverage. Discussions with stakeholders will be key in gathering this information and we have developed a website for stakeholders to identify any known state highway black spots.

Once the full list of black spots has been identified, Beca will facilitate a virtual workshop with the key stakeholders so that we can collectively prioritise 10 sites.

3 Communication Objectives

The following communication objectives have been identified for this project:

- Key stakeholders are identified and invited to participate by the Mayoral Forum
- Key stakeholders are well informed of the project early in the process.
- Key stakeholders know the project timeframe and when they will have opportunities to feed into the process.
- Key stakeholders' knowledge and resources support the information requirements for the project
- Key stakeholders feel that their input has been considered and have helped to shape the priorities.
- Key stakeholders buy in to and support the project outcomes
- Key stakeholders understand the limits of the project

- Understanding among stakeholders is built of the collective issues and the agreed ranking criteria.

4 Roles and Responsibilities

The below table outlines the key team members, interfaces with Environment Canterbury and Mayoral Forum -

Role	Name	Organisation	Responsibility
Canterbury Mayoral Forum Chair	Jenny Hughey	Environment Canterbury	
Canterbury Mayoral Forum secretariat – Principal Advisor	Maree McNeilly	Environment Canterbury	Communications with the forum
Project Director	Orlando Kootstra	Beca	Job Director
Project Manager	Bianca de Jong	Beca	Job Manager - main client contact. Has weekly meetings with the Canterbury Mayoral Forum secretariat –Programme Manager
Canterbury Mayoral Forum secretariat – Programme Manager	Rosa Wakefield	Environment Canterbury	

5 Communication Protocols

Genevieve Doube (Beca) will prepare and update the Communications and Engagement Plan during the project, working closely with Bianca de Jong, Beca Project Manager and Rosa Wakefield, CREDS Programme Implementation Manager.

All documents will be reviewed by the Project Director Orlando Kootstra, Project Manager Bianca de Jong (Beca) and Project Manager Rosa Wakefield (Canterbury Mayoral Forum secretariat).

Engagement and coordination with the relevant stakeholders will be initiated by Environment Canterbury and the Canterbury Mayoral Forum and then managed by Genevieve Doube. Relationships with Environment Canterbury staff will be managed by Bianca de Jong.

COVID impacts

As of 29 May 2020, gatherings up to 100 people are allowed. However, organisations may have different approaches to Health and Safety requirements for their staff which may affect on their ability to attend face to face meetings and workshops.

6 Stakeholders

The stakeholders as suggested in RFP include Waka Kotahi, NZ Post, regional milk producers and emergency services. Environment Canterbury has supplied a list of stakeholders to be contacted in the first instance which is provided in the table below:

Organisation	Contact	Contact Details
Kaikōura District Council	Angela Oosthuizen, CE Dave Clibbery	angela.oosthuizen@kaikoura.govt.nz Dave.Clibbery@kaikoura.govt.nz
Hurunui District Council	Hamish Dobbie, CE, and Chair of the Canterbury Operations Forum Dan Harris	hamish.dobbie@hurunui.govt.nz dan.harris@hurunui.govt.nz
Waimakariri District Council	Jim Palmer, CE Gerard Cleary	Jim.Palmer@wmk.govt.nz gerard.cleary@wmk.govt.nz
Christchurch City Council	Dawn Baxendale, CE David Adamson Bridget Obrien	dawn.baxendale@ccc.govt.nz David.Adamson@ccc.govt.nz Bridget.Obrien@ccc.govt.nz
Selwyn District Council	David Ward, CE Murray Washington (Chair, Canterbury Engineering Managers Group)	david.ward@selwyn.govt.nz murray.washington@selwyn.govt.nz
Ashburton District Council	Hamish Riach, CE Neil McCann Bevan Rickerby	Hamish.riach@adc.govt.nz neil.mccann@adc.govt.nz bevan.rickerby@adc.govt.nz
Timaru District Council	Bede Carran, CE Ashley Harper Erik Barnes	bede.carran@timdc.govt.nz ashley.harper@timdc.govt.nz Erik.Barnes@timdc.govt.nz
Mackenzie District Council	Suzette van Aswegen, CE	suzette@mackenzie.govt.nz
Waimate District Council	Stuart Duncan, CE	stuart.duncan@waimatedc.govt.nz
Waitaki District Council	Fergus Power (CE) Neil Jorgensen	fpower@waitaki.govt.nz njorgensen@waitaki.govt.nz
Environment Canterbury	Nadeine Dommissie, COO	Nadeine.Dommissie@ecan.govt.nz Natasha.Densey@ecan.govt.nz

	Natasha Densey contact for Environment Canterbury Operations group	
Rural Post	Adrian Sexton, Rural Contracts Manager	adrian.sexton@nzpost.co.nz
Fire and Emergency New Zealand (Canterbury)	Steven Greenyer, Area Commander Mid/South Canterbury Mike Gaskin – Fire Risk Management Officer / Specialist Fire Investigator (Selwyn contact)	steven.greenyer@fireandemergency.nz mike.gaskin@fireandemergency.nz
St John Ambulance	Craig Woodham, Regional Operations Support Manager, South Island David Thomas, General Manager South Island Region	craig.woodham@stjohn.org.nz david.thomas@stjohn.org.nz
Fonterra	James Caygill, Manager Regional Engagement, South Island)	James.Caygill@fonterra.com
Synlait	Penny Gallagher, Environmental Manager	penny.gallagher@synlait.com
Westland Milk	Alice van den Hout, Rolleston Site Manager	Alice.vandenHout@westland.co.nz
NZ Trucking Association	Dave Boyce, Chief Executive Officer Carol Mcgeady, Executive Officer	dave.boyce@nztruckingassn.co.nz carol.mcgeady@nztruckingassn.co.nz

7 Key Message

The key messages will guide discussion with the stakeholders –

- Publicly available data sets have been used as a base
- More data has been gathered via a drive testing as well as stakeholder anecdotal evidence
- Importance of working together to agree criteria for prioritisation recognising that organisations may have different perspectives
- Desire to understand the impact of mobile blackspots on safety and productivity as well as the potential economic or social impacts of reducing these.
- Identify the top 10 blackspots in the region
- Limits of project to effect change.

8 Communication and Engagement Tactics

The table below outlines the tactics for engagement with the stakeholders

Date	Audience	Activity / Action	Responsibility	Status
5 June	Stakeholders	Email to introduce the project and the process that will be followed along with when we expect to make further contact with them. Outline how we will record their feedback and ideas	Genevieve Doube draft email and coordinate stakeholders	Completed 17 June 2020 Follow up email 1 September 2020 and 12 December 2020
8 June	Canterbury Mayoral Forum	Agree criteria of social and economic impacts for assessment of prioritisation of black spots	Bianca and / or Genevieve	Completed Conversation with Rosa prior to stakeholder engagement
early 2021	Stakeholders	Joint online engagement workshops to: <ul style="list-style-type: none"> • Understand the key drivers for each stakeholder • Assess the potential economic or social impact of the identified blackspots on their business based on the set of agreed criteria. 	Genevieve Doube	Completed 12 February 2021
12 February 2021	Stakeholders	Follow up conversations via phone, online surveys or interactive maps to capture information from those who may not be able to attend workshops.	Bianca Clark / Genevieve Doube	Completed
March 2021	Stakeholders	Provide stakeholders with the final report which includes the summary of feedback as required		
Ongoing	Canterbury Mayoral Forum	Outline process to keep them up to date on project progress	Maree McNeilly	

9 Risks and Opportunities

Risk	Likelihood	Level of Impact	Mitigation approach / opportunity
Competing priorities identified	Medium	High	Further tease out the effect of the mobile blackspot for each priority
Agreement cannot be reached between stakeholders	Medium	High	Use the evaluation criteria
Prioritisation criteria are not fit for purpose	Low	Medium	Be agile in the workshop and take robust notes of the conversation
A stakeholder feels this project is a duplication of work already done	Low	Low	Clear communication about the project and work that has been done and work we are planning

10 Stakeholder Outcomes

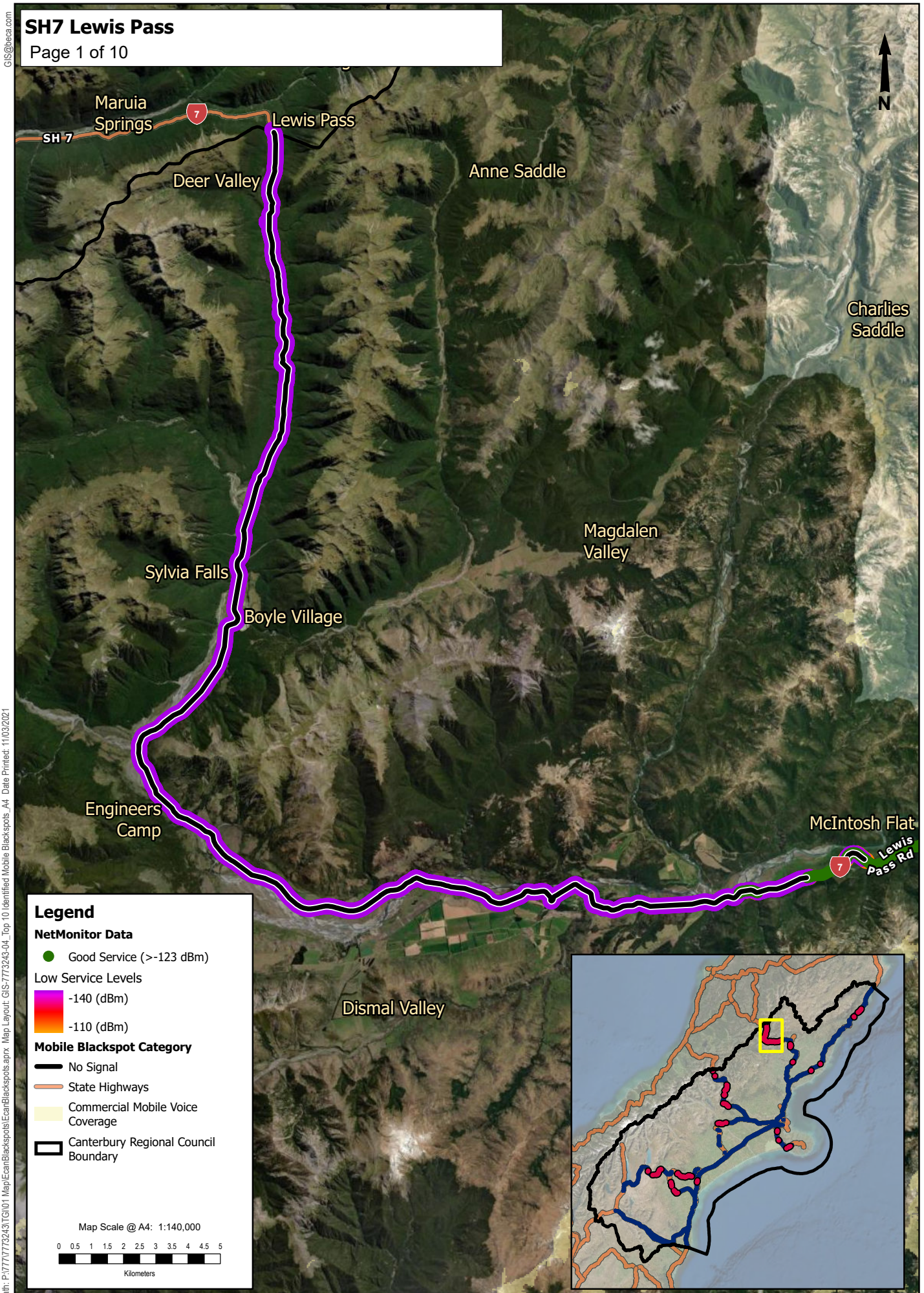
Successful stakeholder engagement will have been achieved if the workshop develops an understanding between the attendees of the challenges that a lack of mobile coverage creates and the 10 priority mobile blackspots can be agreed upon.

C

Appendix C – Report Maps

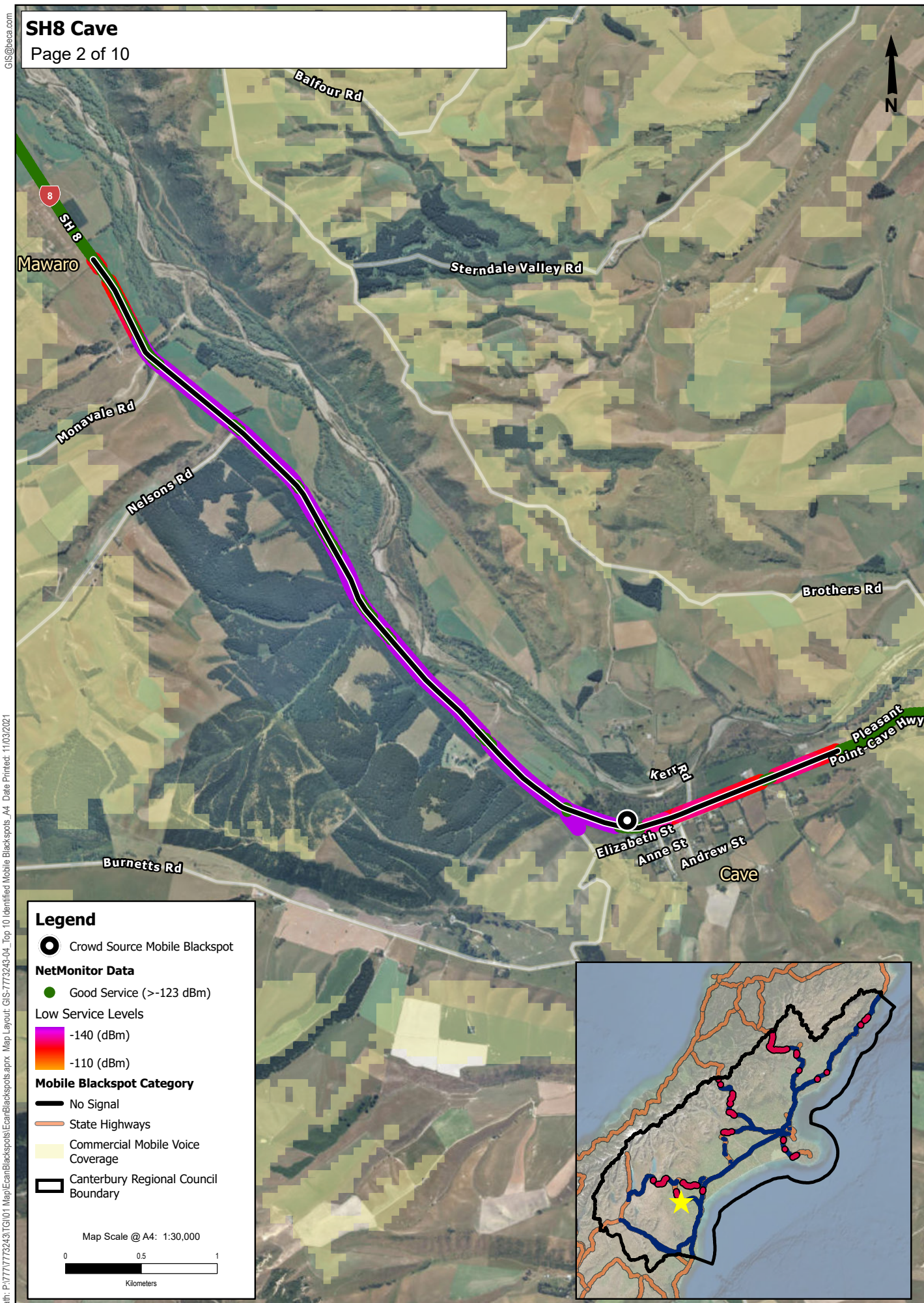
SH7 Lewis Pass

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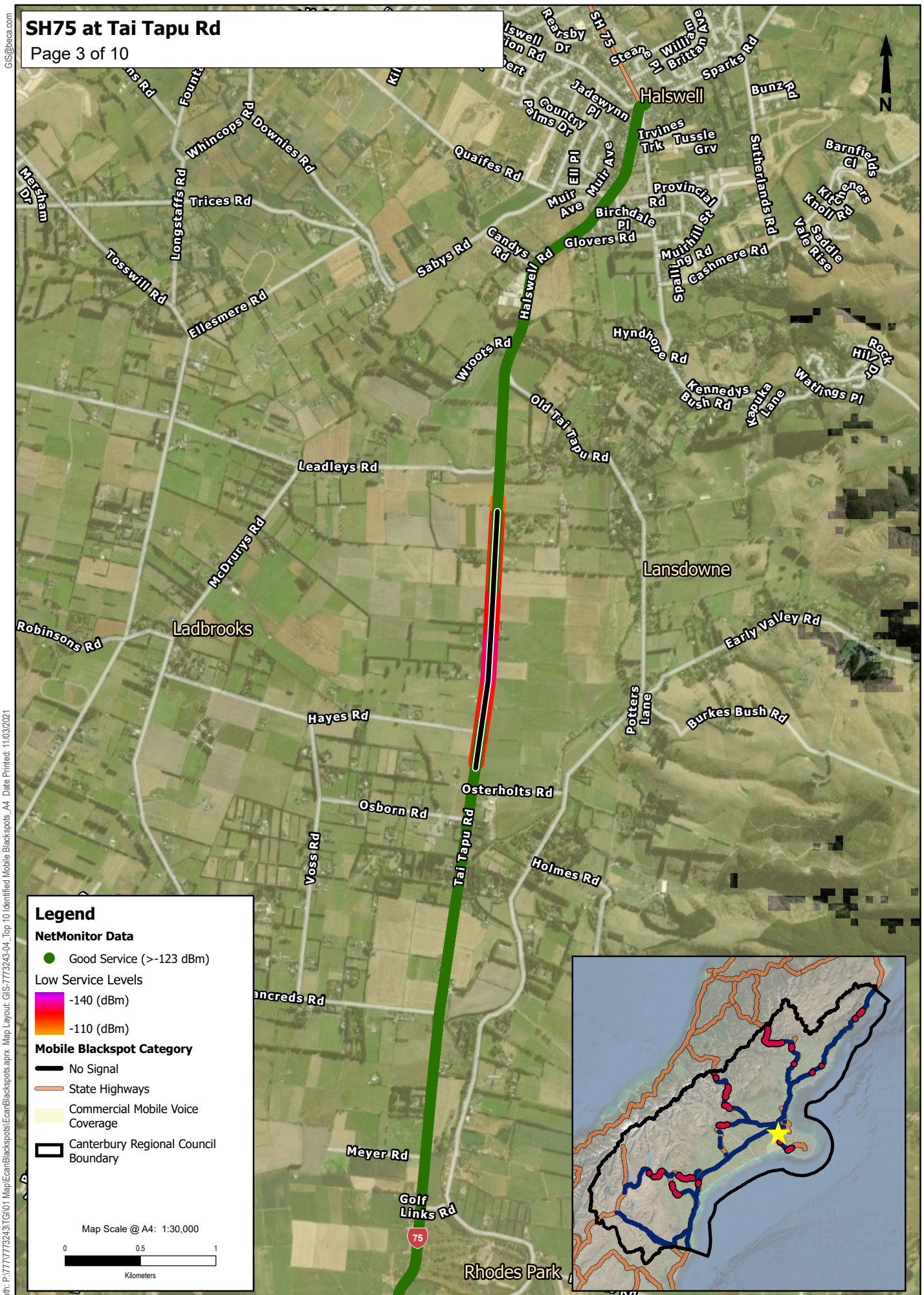
SH8 Cave

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SH75 at Tai Tapu Rd

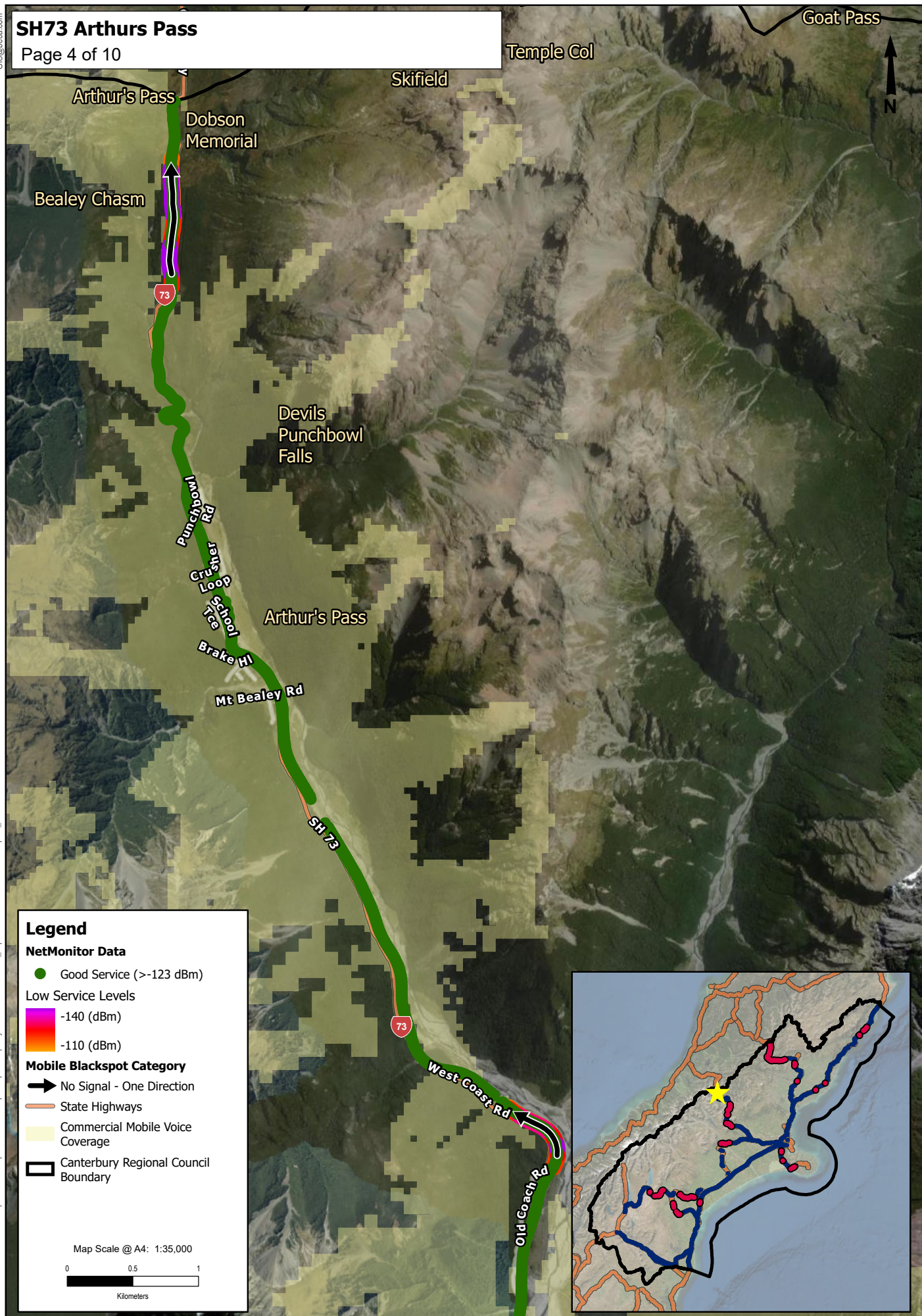
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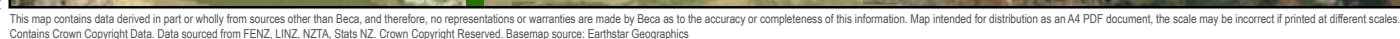
SH73 Arthurs Pass

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Path: P:\77777724\3\TGI01 Map\EcenBlackspots\EcenBlackspots.aprx Map Layout: GIS-7773243-04_Top 10 identified Mobile Blackspots_A4 Date Printed: 11/03/2021

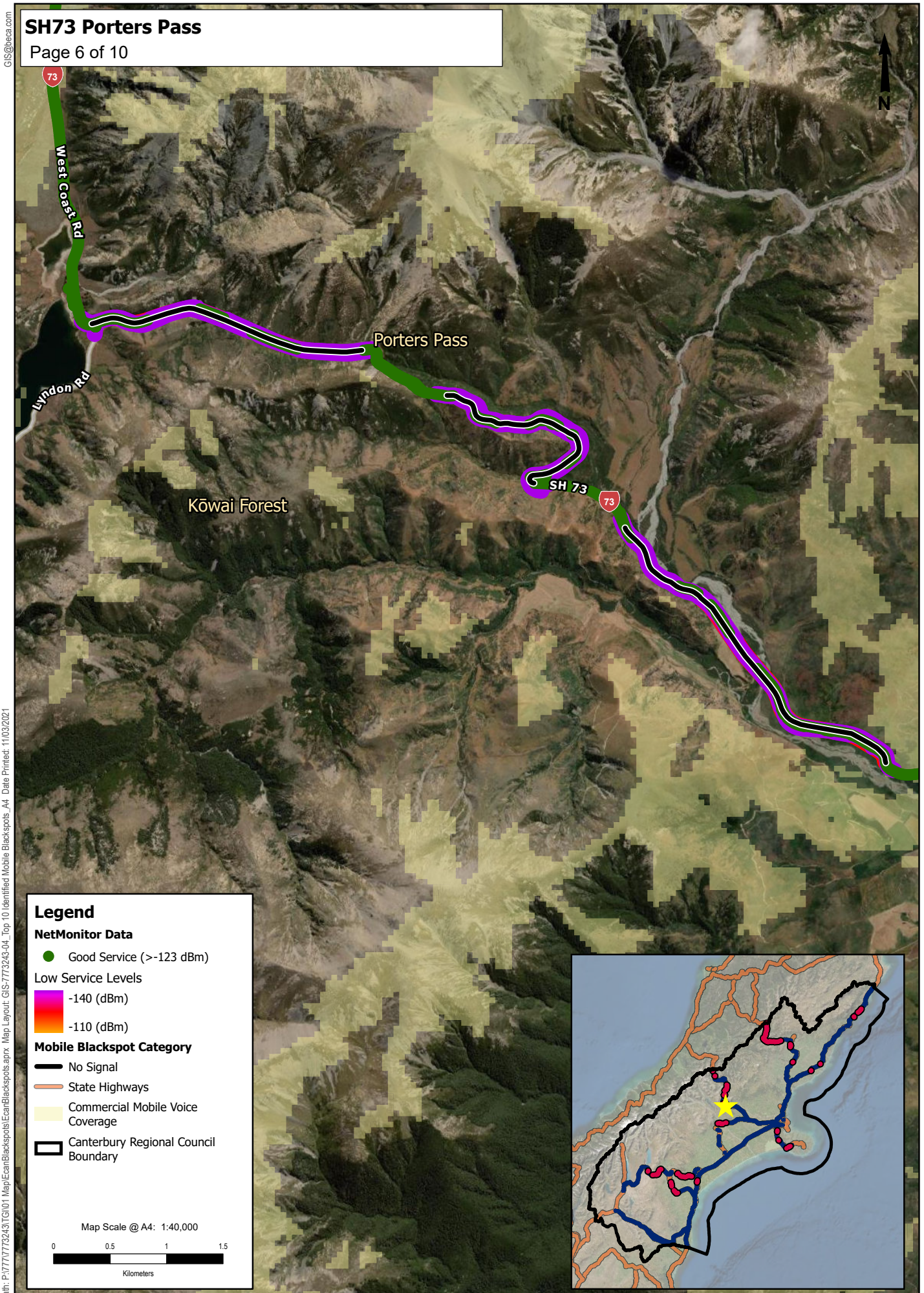


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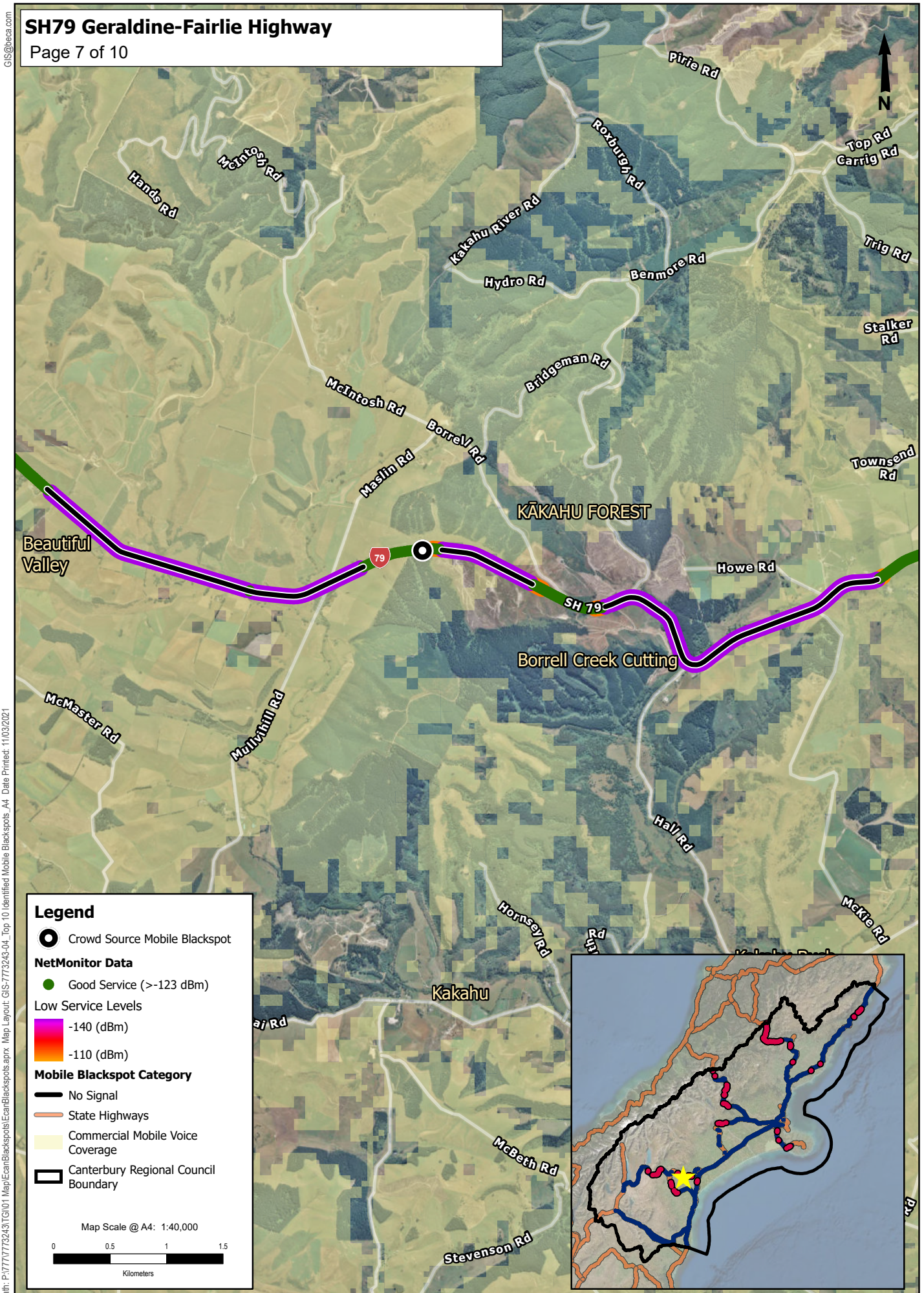
SH73 Porters Pass

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SH79 Geraldine-Fairlie Highway

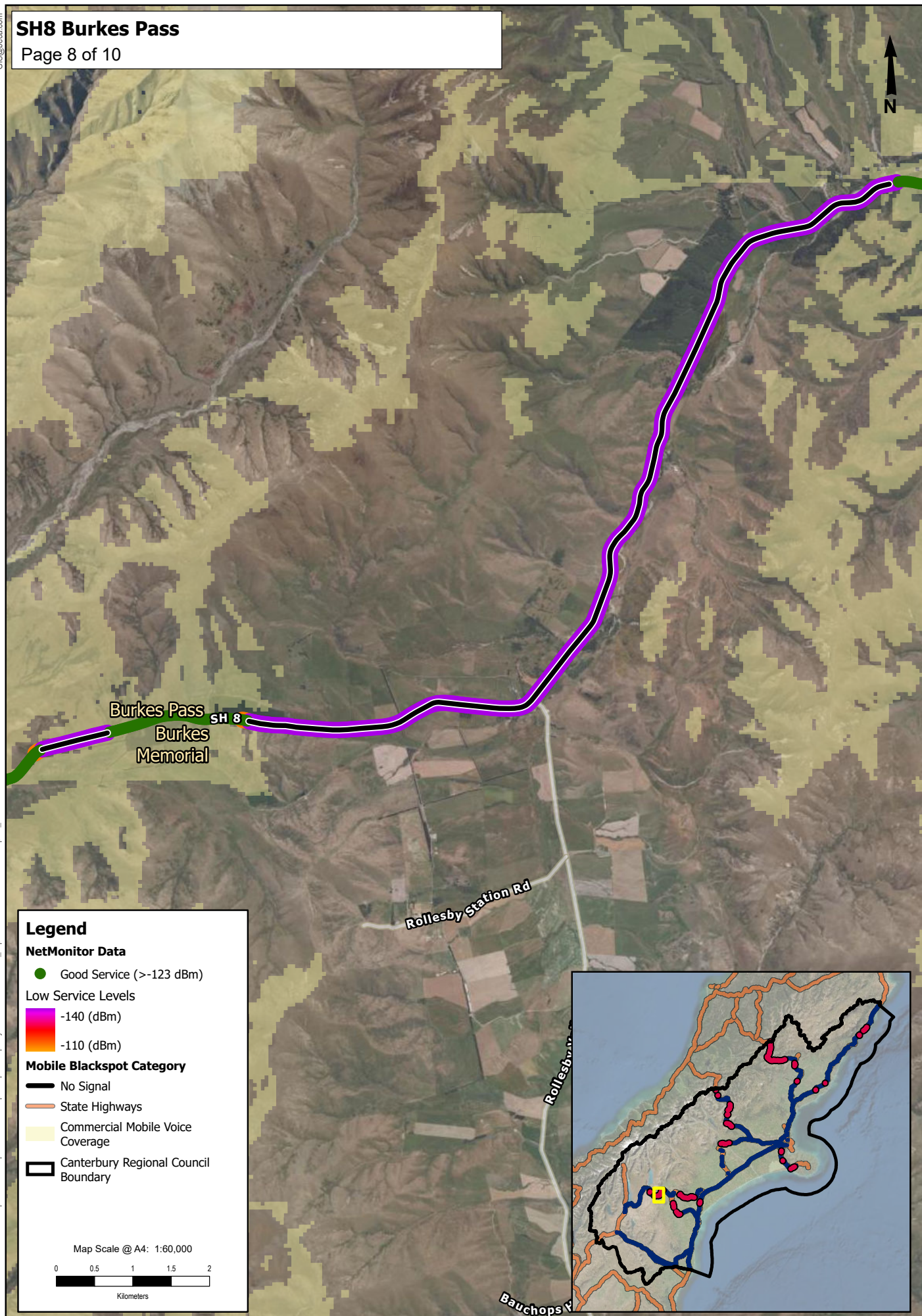
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SH8 Burkes Pass

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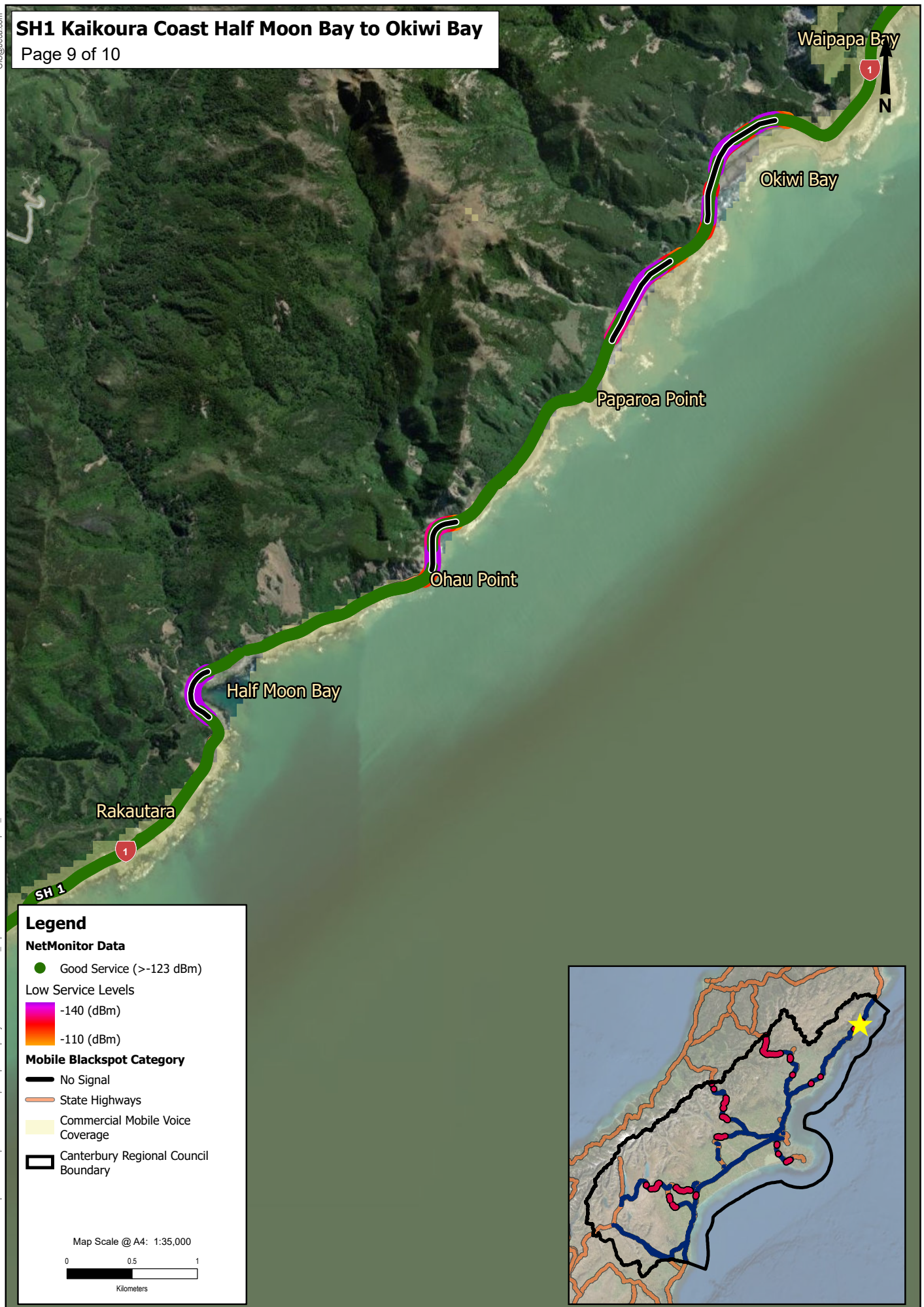


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SH1 Kaikoura Coast Half Moon Bay to Okiwi Bay

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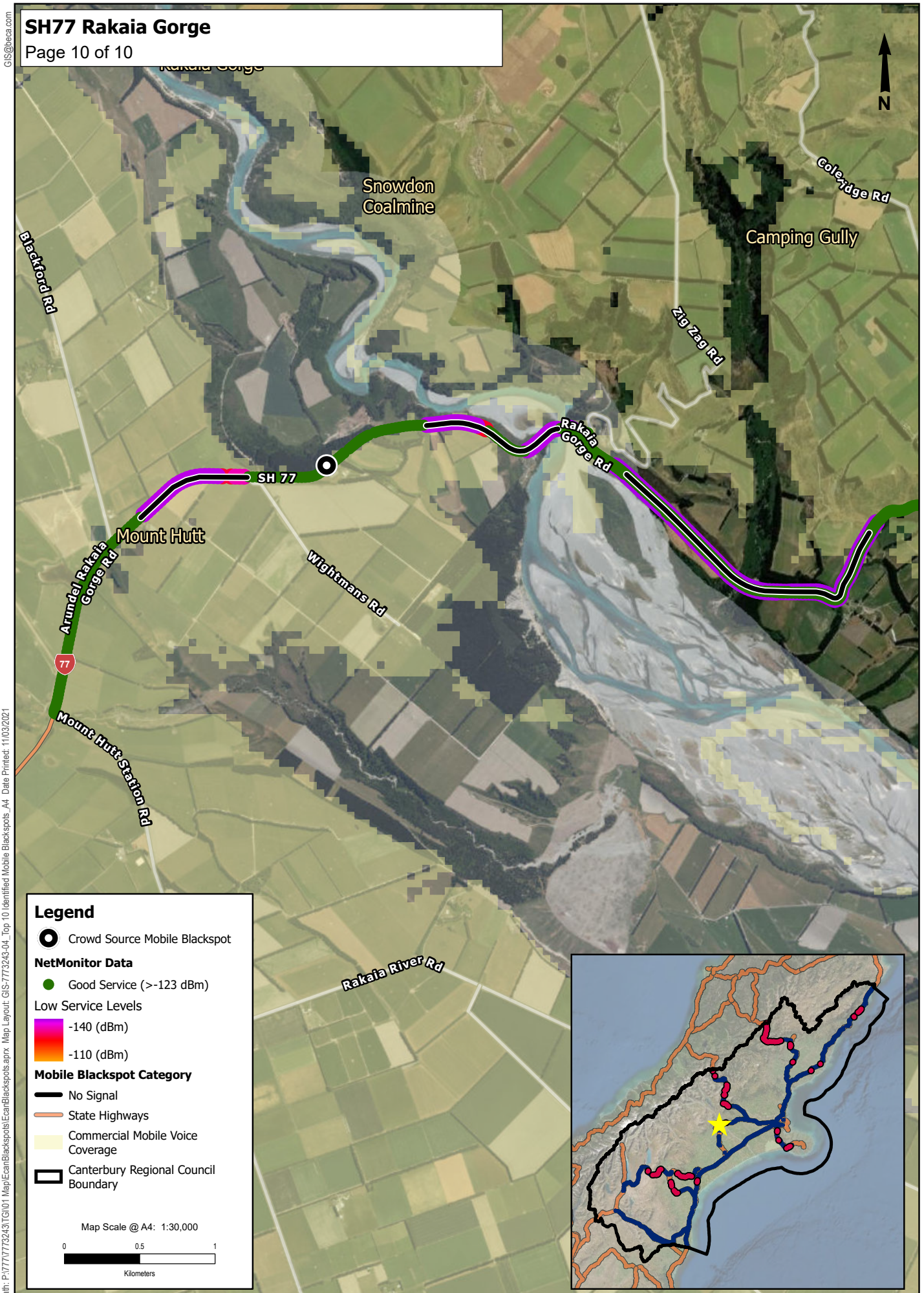
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SH77 Rakaia Gorge

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date

addressee

address line 1

address line 2

city postcode

Tēnā koe [name]

Improving mobile telecommunications infrastructure in Canterbury

The Canterbury Mayoral Forum has recently completed a project to identify mobile blackspot locations in Canterbury and better understand the potential economic and social benefits of reducing mobile blackspots on improved productivity and logistics, safety and emergency operations and the tourism sector.

The report is attached.

We are writing to you/telecommunications companies/Crown Infrastructure Partners to advocate for targeted investment in mobile telecommunications infrastructure to advance economic and social development in the region.

The project, which included consultation and workshops with stakeholders including local authorities, St John and Fire and Emergency New Zealand, identified the following ten priority mobile blackspot areas:

- SH7 Lewis Pass
- SH8 at the Cave township
- SH75 at Tai Tapu
- SH73 Arthur's Pass
- SH73 Craigieburn Cutting
- SH73 Porters Pass
- SH79 Geraldine - Fairlie highway
- SH8 Burkes Pass
- SH1 Kaikoura Coast Half Moon Bay to Okiwi Bay

Mayors standing together for Canterbury.

Secretariat, E: secretariat@canterburymayors.org.nz W: www.canterburymayors.org.nz
C/- Environment Canterbury, PO Box 345, Christchurch 8140 T: 03 345 9323

Ashburton District Council • Canterbury Regional Council • Christchurch City Council • Hurunui District Council
Kaikōura District Council • Mackenzie District Council • Selwyn District Council • Timaru District Council
Waimakariri District Council • Waimate District Council • Waitaki District Council

- SH77 Rakaia Gorge.

The report includes maps showing the exact locations of these blackspots.

In identifying the top ten areas for action, the most common concern from stakeholders was safety – whether that be the safety of council field staff, communities, emergency services staff working alone, tourists and all other state highway users. Other concerns included community connectivity (particularly in rural and farming areas), information-gathering regarding incidents and assets, and more consistent and reliable access to the internet to support tourism and leisure activities.

Drive tests were also undertaken to collect information on the blackspots. Key indicators from the data collected during the tests include:

- the existing and planned mobile coverage data already available from telecommunications companies and CIP can be used generally at the macro level to determine the worst mobile blackspot areas
- using a combination of the data output from drive testing, anecdotal evidence and the telecommunications mobile coverage data can provide an understanding of the worst mobile blackspot areas and highlight areas for discussion or further testing if required
- the data collected has provided suitable information for stakeholder engagement to take place allowing interpretation and prioritisation based on the contribution of the workshop attendees.

Some opportunities noted for future reference include:

- involving additional stakeholder groups to provide insight into more commercial benefits and outcomes of increased mobile coverage
- increasing the drive test data collected. This could include:
 - increasing the total coverage of data collected to cover all state highways
 - increasing the number of passes on each state highway
 - specifically choosing phones that use different network providers for comparison
 - include non-state highway roads.

This could provide more accuracy on the specific locations of mobile blackspots and give a better understanding of the entire region and an insight into changes in mobile coverage across different providers.

The Mayoral Forum considers prompt action by the Government and telecommunications companies is required to remedy these blackspot areas. As noted earlier, the primary concern with the blackspots is the effect on safety for road users and emergency services in these many and varied parts of our region.

We trust that you will give this matter due consideration and would be grateful for a response to the issues we have raised in this letter. We are particularly interested in any work that may be currently under way on this, or any work that is planned in the near future.

Should you wish to discuss the report and future actions to address the blackspots, we would be more than happy to meet with you. To arrange a meeting, please contact our Secretariat through Maree McNeilly, by email at secretariat@canterburymayors.org.nz, or phone on 027 381 8924.

Ngā mihi,

Sam Broughton
Mayor, Selwyn District
Chair, Canterbury Mayoral Forum

Date: 28 May 2021

Presented by: Hamish Riach, Chair, Chief Executives Forum

Chief Executives Forum report

Purpose

1. This paper reports on the work of regional forums since February 2021 and implementation of the three-year work programme.

Recommendations

That the Canterbury Mayoral Forum:

1. receive the quarterly report from the Chief Executives Forum
2. review and approve a letter to Environment Canterbury about considering climate change in its upcoming Regional Policy Statement review
3. note updates to the three-year work programme.

Regional forums activity since February 2021

2. Since the Mayoral Forum's last regular quarterly meeting on 19 February 2021, the Chief Executives Forum met in person on 3 May 2021.
3. The Corporate and Operations Forums met on 15 March and the Policy Forum met on 26 March 2021.

Chief Executives Forum (chair Hamish Riach)

4. At the meeting on 3 May 2021, the Chief Executives Forum agenda focused on:
 - closing out the Three Waters Service Delivery Review project
 - reflections on the Government's three waters reform process and recent cross-regional meetings
 - the Government's recently announced review into the future of local government, including:
 - a discussion on how best to approach engaging with the review
 - the agenda for the 28 May workshop
 - how preparing for the future for local government can be incorporated into regional forums' work programmes

- resourcing implications for councils as a result of resource management reforms
 - a discussion about the intersect between, and alignment of, the Canterbury Water Management Strategy and the Essential Freshwater reform package
 - reviewing a draft regional submission on the Government's freedom camping discussion document
 - reviewing and updating the three-year work programme.
5. As part of reviewing the three-year work programme, members discussed the action for the Mayoral Forum to send a letter to Environment Canterbury seeking consideration of climate change matters in its review of the Canterbury Regional Policy Statement. A draft letter was approved for consideration by the Mayoral Forum and is attached.
6. The Forum also agreed a regional submission should be developed on the Infrastructure Commission's draft 30-year infrastructure strategy. This is now under way, led by the Operations Forum.

Attachments

- Draft letter from Mayoral Forum to Environment Canterbury regarding Canterbury Regional Policy Statement review
- Three-year work programme

31 May 2021

Chair Jenny Hughey
Environment Canterbury
PO Box 345
Christchurch 8140

By email: Councillor.Hughey@ecan.govt.nz

Kia ora Jenny

Canterbury Regional Policy Statement Review

The Mayoral Forum is aware that Environment Canterbury is currently undertaking a full review of the Canterbury Regional Policy Statement (RPS) with the intention to notify it in 2024.

The Forum appreciates reviewing the RPS is a significant and important piece of work and looks forward to supporting Environment Canterbury in the review process where appropriate. The Forum understands that the Government's resource management reform process may alter the planning requirements and particularly introduce a need to deliver regional spatial plans and combined plans instead of an RPS, and we are encouraged to hear that Environment Canterbury is anticipating this with an initial focus on the key matters and issues that will need to be addressed, regardless of the planning instrument that this will be managed through.

As you know, the *Mayoral Forum's Plan for Canterbury* sets out five key priorities for this local government term, one of which is climate change adaptation and mitigation.

While we appreciate planning for the effects of climate change will already be a large part of Environment Canterbury's RPS review, the Mayoral Forum has agreed to formally communicate to you its desire for the regional council to factor climate change mitigation and adaptation into the new Canterbury RPS.

The Mayoral Forum would be pleased to provide advice and support to Environment Canterbury on this matter during the review, in any way that is helpful.

Mayors standing together for Canterbury.

Secretariat, E: secretariat@canterburymayors.org.nz W: www.canterburymayors.org.nz
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Waimakariri District Council • Waimate District Council • Waitaki District Council

We look forward to working alongside Environment Canterbury within the Mayoral Forum as we progress our shared goals for a thriving and prosperous region.

Ngā mihi

Sam Broughton
Mayor, Selwyn District
Chair, Canterbury Mayoral Forum

Three-year work programme 2020–22

as at 18 March 2021

WHAT	TASK	PLAN FOR CANTERBURY PRIORITY	SPONSOR	LEAD	ACTION	DUE	STATUS	UPDATE
Canterbury Water Management Strategy	To continue providing governance oversight and strategic support to the implementation of the Canterbury Water Management Strategy (CWMS)	Sustainable environmental management of our habitats	Mayoral Forum	Jenny Hughey	Request the Regional Committee to work with CWMS partners to re-engage communities and stakeholders on actions undertaken to deliver the CWMS across the region in order to maintain and nurture commitment to the delivery of the CWMS	30/09/2022	On track	Updated Zone Committee terms of reference approved CMF 27 November 2020
						30/06/2021	On track	
	Renew community acceptance and commitment to the Canterbury Water Management Strategy				Progress report on joint actions undertaken to deliver the CWMS across Canterbury	1/12/2021	On track	Work in progress with CWMS team
					CWMS Regional Committee reports on progress towards the 2025 and 2030 goals	30/06/2022	On track	Work in progress with CWMS team
Build capacity and influence to understand climate impacts, risks and opportunities and incorporate these into regional planning documents and community awareness.	Complete our first regional climate change risk assessment, aligned with the national climate change assessment, and identify critical gaps in our adaptation planning	Climate change mitigation and adaptation	Mayoral Forum	Climate Change Steering Group	Progress Stages 2 and 3 of the Climate Change Risk Assessment	30/06/2021	On track	Climate Change Risk Assessment (Stage 2 & 3) expected to be completed third quarter 2021
	Encourage all Canterbury local authorities to complete carbon footprint assessments, to inform action plans for reductions				All Canterbury local authorities are encouraged and supported to commission council carbon footprint assessments	31/12/2020	Delayed	Working group went to market in December 2020 with an RFP and expected to be in a position to begin negotiations and plan the implementation of the agreed methodology for reporting on carbon emissions by February 2021. A project update will be provided to the CEs Forum meeting to take place in March 2021.
	Encourage Environment Canterbury to factor climate change mitigation and adaptation into the new Canterbury Regional Policy Statement.				Communicate to Environment Canterbury the Forum's concern that climate change mitigation and adaptation be addressed in the new Regional Policy Statement	30/06/2021	On track	Letter has been drafted from CMF to Environment Canterbury asking that climate change mitigation and adaptation be factored into the new Canterbury Regional Policy Statement. See agenda item 7
CREDS 2016–2019 continuing work programmes	Mobile and broadband coverage mapping and analysis	Shared economic prosperity	Mayoral Forum	Secretariat		1/03/2020	Complete	Final report delivered and advocacy letter drafted for approval. See agenda item 6
	Canterbury Story						Complete	Canterbury Story was launched in March and is now active, with over 1300 assets available on the website. To date has minimal traffic to the site. CEs have requested that Secretariat review with ChchNZ to see what can be done to keep website relevant.
	Food, Fibre and Innovation				High value manufacturing Value added production		On track	UC nearing completion of industry roadmaps, FFA Challenge attracted high quality entrants with winners announced earlier this month, and initiatives are underway with Ara and FoodSouth to continue to build the industry pipeline and improve productivity. Agenda Item 6
	South Island Destination Management plan						On track	South Island Destination Management plan completed in March 2020, not yet formally launched due to COVID-19. Next steps for this will be evaluated at the August Mayoral Forum.

Freshwater Package investments	Advocate with Government for the region's interests to be addressed in the investment decisions to support the Government's Freshwater Package	Sustainable environmental management of our habitats	Mayoral Forum		Add to the agenda for the Mayoral Forum visit(s) to Wellington		On track	Essential Freshwater Steering Group established and held first meeting in March. Agenda Item 4
Education Forum	Facilitate a forum of key tertiary education and training providers to enable the exchange of ideas and information and support collaboration Advocate for transition of secondary students to further study and training or work	Shared economic prosperity	Mayoral Forum	Dan Gordon	Forum meets at least twice each year	30/06/2021	On track	
Skilled Workforce	Advocate with Government for education and immigration policies that deliver a skilled workforce now and into the future	Shared economic prosperity	Mayoral Forum		Add to the agenda for the Mayoral Forum visit(s) to Wellington	30/11/2020	On track	Discussed Mayoral Forum 19 February 2021
Better freight options	Participate on the Canterbury Regional Land Transport Committee	Better freight transport options	Mayoral Forum		Communicate to the RTC the forum's desire that the new RTLP provide a planning and investment framework that results in fewer trucks on the road		On track	Freight Tour was held 18 / 19 February 2021
	Collaborate with South Island chairs of RLTC to drive multi-modal transport planning investment						On track	
	Advocate with Government for investment in multi-modal transport outcomes, especially moving more long-distance freight by rail				Write to Ministers to advocate for Canterbury's position Add to agenda for Mayoral Forum visit(s) to Wellington		On track	Discussed Mayoral Forum 19 February 2021 Meeting with Minister Wood 27 May 2021
Three Waters	Build a collaborative response to central government's Three Waters review, including: - build consensus on strategic intent – where we want to get to, in relation to national direction and developments - identify key risks, challenges and barriers - recommend priority actions for CEF consideration	Three Waters services	CEs Forum	Three Waters Project Manager / Secretariat		31/12/2020	Complete	Steering Group and Advisory Group established. Consultant appointed. This workstream is now complete.
	Review Three Waters service delivery arrangements across Canterbury					30/06/2021	On track	Consultant has gathered data. Workshops with representatives from south island councils and iwi are underway.
	Advocate a Three Waters regulatory system that utilises risk-and evidence-based interventions to ensure safe and efficient delivery of water services				Write to Ministers to advocate for Canterbury's position Add to agenda for Mayoral Forum visit(s) to Wellington		On track	Discussed Mayoral Forum 19 February 2021 Meeting with Minister Mahuta 12 May 2021, with LGNZ Zone 6 and Ngā Tahu Agenda Item 5
Collaboration on 2021 LTPs	Facilitate collaboration on 2021–31 Long-Term Plans – financial and infrastructure strategies, and strategic direction and community outcomes (the four wellbeings)		Policy Forum	David Ward / CCF		31/03/2020	Complete	LTP collaboration has concluded and the group was very successful
Review of Canterbury Regional Policy Statement	Facilitate a regional perspective on Environment Canterbury's review of the Canterbury Regional Policy Statement	Climate change mitigation and adaptation	Policy Forum		Encourage Environment Canterbury to factor climate change mitigation and adaptation into the new Canterbury Regional Policy Statement	30/06/2021	On track	Letter drafted to be sent from CMF to Environment Canterbury to factor climate change mitigation and adaptation into the new Canterbury Regional Policy Statement. See agenda item 7
Update Canterbury Biodiversity Strategy	Oversee the review of the Canterbury Biodiversity Strategy 2008 to ensure alignment with the NZ Biodiversity Strategy 2020 and the proposed National Policy Statement on Indigenous Biodiversity	Sustainable environmental management of our habitats	Policy Forum			30/06/2021	On track	Environment Canterbury's LTP includes the Canterbury Biodiversity Strategy review and work will commence when the Government announces the NPS IB. Canterbury Regional Biodiversity Champions Group established in Environment Canterbury. Update provided Agenda Item 9

IT systems and digital services	Lead development of a 10-year plan for Canterbury councils to move to a common platform for IT systems and digital services (including valuation and rating functions) and secure cost savings through group licensing procurement, with specific concrete actions to be implemented in each year of the 10-year plan		Corporate Forum	CIOs	Conduct a stocktake of where everyone is at	30/06/2020	On track	CCF agreed 16 March 2020 that CIOs will conduct a stocktake of Canterbury councils' IT platforms, applications and procurement / licensing cycles and investment intentions to inform planning to move towards a common platform by 2030 Discussed at CE Forum 2 November, on track
	Develop a business case (with value proposition and a request for funding) to go to member councils to test and build consensus on a collective vision, commitment and understanding of what it might mean over time for procurement and renewal cycles					30/11/2020	Update needed	
Procurement	Develop a proposal for a joined-up procurement system/service for Canterbury councils, including legal services provisioning Develop a proposal for consideration by member councils		Corporate Forum	CFMG	CEs Forum on 27 July agreed for CFMG to contract Deloitte to analyse third-party expenditure by Canterbury councils, to inform collaborative procurement options	30/11/2020	On track	
Implementing new Water Safety Plan format	Share advice and lessons between drinking water suppliers from implementing the new Water Safety Plan to improve compliance across the region		Operations Forum	DWRG			On track	COF agreed 16 March 2020 to share advice and lessons learned in implementing drinking water safety plans, and draw on the Drinking Water Reference Group for technical input
Resource Management Reform	Engage with central government on the resource management reforms through participation in the Local Government Forum of Chief Executives for resource management reform, reviewing and preparing submissions on new legislation, participating in Select Committee processes		Chief Executives Forum	David Ward	Jim Harland nominated for Local Government Forum of Chief Executives for resource management reform Policy Forum (through CPMG) keep watching brief on exposure drafts of the Natural and Built Environment Act and prepare to draft a regional submission when released	30/06/2021	On track	Jim Harland has been nominated. Waiting for central government to release exposure drafts of legislation. This has been set as a standing item on CE Forum agendas. Agenda Item 7
				Policy Forum	Policy Forum (with CCWG & CPMG) keep watching brief on drafts of Strategic Planning Act and Climate Change Adaptation Act		On track	
Future for Local Government	Engage with central government on the future for local government by supporting development of a regional approach and participating in the Future for Local Government Review		Mayoral Forum	Chief Executives Forum	Progress actions from the Future for Local Government Workshop (April 2021) and actively participate in engagement with central government's Future for Local Government Review	1/04/2023	On track	Initial workshop held 19 March 2021, including papatipu rūnanga chairs and central government regional directors. Follow-up meeting and workshop to be held 28 May with chair and executive director of Local Government Review Panel, papatipu rūnanga chairs and central government regional directors. Agenda Item 7

Key to acronyms

CCWG	Climate Change Working Group
CEF	Chief Executives Forum
CEMG	Canterbury Engineering Managers Group
CFMG	Canterbury Finance Managers Group

CIOs	Chief Information Officers Group
CMF	Canterbury Mayoral Forum
COF	Canterbury Operations Forum
CPF	Canterbury Policy Forum

CREDs	Canterbury Regional Development Strategy
CWMS	Canterbury Water Management Strategy
DWRG	Drinking Water Reference Group
ECan	Environment Canterbury

Date: 28 May 2021

Presented by: Dan Gordon, Chair Climate Change Steering Group

Climate Change Steering Group update

Purpose

1. This paper provides an update on the work of the Climate Change Steering Group and the key matters covered at its March meeting.

Recommendations:

That the Canterbury Mayoral Forum:

1. **note the update provided in this paper**
2. **note regional submissions will be developed for the Mayoral Forum on the:**
 - 2.1. **National Emissions Reduction Plan**
 - 2.2. **National Adaptation Plan**
3. **note a regional submission will be completed by 28 May for the Mayoral Forum on the National Direction on Greenhouse Gas Emissions.**

Background

2. The Climate Change Steering Group meets quarterly to maintain a watching brief on climate change matters for the Mayoral Forum and offers political support to the regional Climate Change Working Group.
3. The Steering Group last met on 8 March. A summary of the matters discussed is set out below.

Central Government engagement

4. In 2021 the Ministry for the Environment is undertaking three key climate change-related consultations along with several stakeholder workshops. These are:
 - **National Direction on Greenhouse Gas Emissions.** The Ministry for the Environment has consulted on a draft national policy statement (NPS) or national environmental standard (NES), focusing on industrial emissions, to support decision-making to manage emissions under the Resource Management Act (1991).

- **National Emissions Reduction Plan.** Under the Climate Change Response (Zero Carbon) Amendment Act 2019, the Government must consult on the draft Emission Reduction Plan for the first emissions budget period (2022-2025) to set the strategies and policies to reduce national emissions. This Plan must be in place on 31 December 2021. The Ministry for the Environment will consult in October/November 2021.
 - **National Adaptation Plan.** Under the Climate Change Response (Zero Carbon) Amendment Act 2019 the Government must produce a national adaptation plan, responding to challenges and opportunities identified in the national risk assessment. This plan must be in place during 2022. The Ministry for the Environment will consult on the national adaptation plan in October/November 2021.
5. The Steering Group agreed at its meeting that regional submissions on these three issues should be developed by the Climate Change Working Group for the Mayoral Forum. These consultations provide an excellent opportunity to speak with one voice and advocate strongly for Canterbury's needs for both adaptation and the transition to low emissions.
 6. The Working Group will develop draft submissions for the Steering Group and then Mayoral Forum consideration. It will work with the secretariat to determine a plan for drafting and finalising each submission.
 7. A regional submission on the National Direction on Greenhouse Gas Emissions has been developed and will be approved for submission by 28 May. The remaining two consultations are later this calendar year.

Resource management reform engagement

8. The Government's resource management reforms recommend the introduction of a bill specifically focused on dealing with the complexities of managed retreat and climate change adaptation.
9. Once more is known about the intent and content of the proposed climate change adaptation legislation, advice on a regional submission will be provided through the Climate Change Working Group, in consultation with the Canterbury Policy Forum and Planning Managers Group.

Region-wide climate change initiatives

Climate change position statement/policy

10. The Steering Group agreed to the Working Group creating either guidance or a position statement and/or policy template for Canterbury councils on climate change.
11. The purpose of the guidance or statement/policy would be to provide greater visibility and consistency across Canterbury, allowing the region to be in a stronger position to

advocate to Government and adapt to risks in an efficient and coordinated way. It would also help smaller councils that may not have the resources to develop this material on their own.

12. Updates on this will be provided as the work develops.

Organisational climate change risk assessments

13. The Ministry for the Environment has begun work on developing a framework or methodology that would allow local government to prepare information for the Minister for Climate Change on the risks to individual councils from climate change, disclose climate risks through a proposed mandatory financial disclosures regime (as signalled in the Climate Change Commission's draft advice), and assess climate change impacts for inclusion in long term plans, infrastructure strategies and financial strategies.
14. The Working Group has identified this as an opportunity for Canterbury to work alongside the Ministry on a framework or methodology, to ensure what is created meets the region's needs.
15. The Steering Group therefore endorsed the Working Group investigating options for developing a framework and carrying out risk assessments to identify risks and opportunities from climate change to each council's business, strategy and financial planning.
16. Updates on this work will be provided as it develops.

Climate change councillor group

17. The Steering Group agreed to have twice yearly workshops for this councillor group, with similar agenda formats to the first one. The Secretariat was also tasked to set up an online collaboration space for councillors to keep connected and share information.
18. An online collaboration space has been launched via MS Teams and invitations sent to all members of the group.
19. The date for the next workshop will be 1 October 2021.
20. The guest speaker for the next workshop has been confirmed as Dr Trevor Stuthridge, Science Director at Crown Research Institute AgResearch. AgResearch has taken a lead role in climate change mitigation and adaptation research for the pastoral sector and will be discussing the innovative science and technologies it has developed, and is currently developing, to support the agricultural sector in responding to climate change.

Next meeting

21. The Steering Group's next meeting on 4 June will focus on the regional climate change risk assessment project.

Date: 28 May 2021

Presented by: Jenny Hughey, Chair, Environment Canterbury and Dan Gordon, Mayor, Waimakariri District Council

Update on Canterbury Biodiversity Champions

Purpose

1. To update the Mayoral Forum on the current focus and activities of the Canterbury Biodiversity Champions.

Recommendations

That the Canterbury Mayoral Forum:

1. **note that the Biodiversity Champions are currently focused on gathering information across Canterbury councils to better understand biodiversity priorities, actions, challenges and opportunities**
2. **note that the Biodiversity Champions are considering several opportunities to build a shared regional approach to biodiversity across councils.**

Background

2. On 4 September 2020, the Mayoral Forum supported the formation of a working group to increase governance-level engagement on biodiversity issues and opportunities across all Canterbury councils.
3. This working group responds to a need for local government to work closely together to implement new national direction for biodiversity and support the revitalisation of the Canterbury Biodiversity Strategy.
4. The purpose of the Biodiversity Champions as expressed in their draft Terms of Reference is “to get our colleagues amped about biodiversity and to advocate for our councils’ and communities’ roles in weaving biodiversity through our living and working landscapes”.

Activities of group

5. The Biodiversity Champions have met three times since the last update to the Mayoral Forum and discussion has focused on:

- the National Policy Statement for Indigenous Biodiversity, and understanding councils' roles and responsibilities and capacity for implementation on anticipated release
 - the revitalisation of the Canterbury Biodiversity Strategy, and the role councils have as part of a regional approach including mana whenua, NGOs and other interest groups
 - biodiversity action in Long-Term Plans, in part through council's CWMS Fit for Future work programmes
 - the role of group members as advocates for biodiversity.
6. Work is underway to develop a shared regional approach to biodiversity. Staff across Canterbury councils are working together to gather information to better understand biodiversity priorities, actions, challenges and opportunities. This information will be used to:
- match priorities and gaps to develop shared approaches for managing biodiversity
 - inform the revitalisation of the Canterbury Biodiversity Strategy.
7. The Biodiversity Champions are considering several collaborative opportunities to build a shared regional approach to biodiversity. The group will continue to refine these ideas over upcoming discussions. Opportunities being considered include:
- supporting biodiversity discussion and reporting within councils
 - elevating biodiversity as a strategic priority within councils
 - scoping the potential to connect biodiversity action across Canterbury, including individual action and community-led projects, using an online web-based tool
 - investigating opportunities to identify and use public land for biodiversity and multiple 'public good' outcomes (e.g. Arohatia te Awa – Waimakariri District Council), noting the challenges of accurate data
 - supporting the Mayoral Forum on biodiversity aspects of national policy, including interactions between climate change policy and biodiversity
 - investigating international funding opportunities for Canterbury's globally significant ecosystems, e.g. iconic braided river ecosystems.

Next steps

8. The Biodiversity Champions will continue to update the Mayoral Forum on their activities.

Date: 28 May 2021

Presented by: Jenny Hughey, Environment Canterbury

Canterbury Water Management Strategy update

Purpose

1. This paper provides an update on region-wide progress towards implementing the Canterbury Water Management Strategy (CWMS) for February to April 2021 and the intended direction regarding the alignment of the Canterbury Water Management Strategy to the statutory direction set through the Essential Freshwater package.

Recommendations

That the Canterbury Mayoral Forum:

1. receive the CWMS update report.

Alignment of the Canterbury Water Management Strategy with new national direction

2. To date the Mayoral Forum has provided regional leadership on freshwater management, with the CWMS as the mechanism. There is still a need for this regional leadership to meet the challenges of managing water in the future.
3. At their meeting on 3 May 2021 the Chief Executives (CEs) Forum discussed a proposal to align the CWMS to statutory direction to ensure the CWMS continues to provide the mechanism for supporting regional leadership.
4. The Chief Executives noted that local government, as a sector, is currently subject to a significant number of reforms including three waters, resource management, changes to the health sector and the recently announced review of local government. Responding to these changes is likely to create strain on the capacity of local government, papatipu rūnanga, and Te Rūnanga o Ngāi Tahu.
5. Chief Executives also noted that:
 - in balancing a regional discussion about a regional vision under the NPS Freshwater Management, there will need to be multiple discussions at a more localised scale and there is a danger that the discussion becomes confused. This could be mitigated by clear communication around the purpose, process and linkages between the discussions.

- Te Rūnanga o Ngāi Tahu is not officially a member of the Canterbury Mayoral Forum. Te Rūnanga o Ngāi Tahu would need to be fully engaged in a process of aligning the CWMS if it is to be effective as a mechanism for articulating a common regional purpose. Environment Canterbury has requested mana whenua involvement in co-designing the approach for developing the regulatory framework and we are mindful of the many demands on mana whenua. The Te Rūnanga o Ngāi Tahu Statement of Claim on rangatiratanga over freshwater is a central focus for mana whenua. Participating in any alignment process for the CWMS is anticipated to be second order priority for Te Rūnanga o Ngāi Tahu.
6. The CEs Forum agreed that the preferred approach would be to align the CWMS with statutory instruments once there is greater clarity with respect to the significant issues impacting the relevant organisations and freshwater management (defining Te Mana o te Wai, central government reforms for example). They also agreed that delaying the alignment of the CWMS could provide opportunity for greater clarity to be provided at the localised scale before the regional discussion is initiated.
 7. The CEs Forum therefore supported maintaining a watching brief over the next 12 months to help inform timing of any possible CWMS alignment. The Forum requested proposals for mitigations and risks with this intended approach be prepared for the next Mayoral Forum via the CEs Forum in August.

Update on region-wide progress towards implementing the CWMS

Regional and Zone committee updates

8. Environment Canterbury has confirmed that the CWMS Regional Committee will transition to a smaller advisory committee. Council approved the Terms of Reference and role description for the independent chair and co-chair and is developing a Code of Conduct for the Committee.
9. A Letter of Shared Priorities is being developed to guide the work of the Regional Committee. The letter will include priorities from Environment Canterbury and the Mayoral Forum's Plan for Canterbury 2020-2022. Te Rūnanga o Ngāi Tahu has been invited to coordinate papatipu rūnanga priorities into the Letter of Shared Priorities.
10. It is anticipated that the membership of the Regional Committee will be refreshed in mid-2021.
11. Zone committees are drafting their three-year Action Plans. Zone managers and facilitators have summarised the focus for the CWMS Zone Committees from February to April 2021 (see Attachment 1).

CWMS implementation update

Zone committee review

12. Councils are progressing adopting the revised zone committee Terms of Reference and Letter of Shared Priorities (to be finalised by June 2021). Rūnanga will be invited to add their priorities to the Letter if they wish to do so.
13. The 2021 zone committee refresh commenced in April with appointments expected to be confirmed with councils in July.

CWMS Targets Progress report 2019-2021

14. Environment Canterbury is continuing to work on writing the 2019-2021 report and to shift the report fully online on the Environment Canterbury website. This will increase our ability to showcase the work being undertaken by zone committees, Canterbury's district and city councils and other agencies that contribute to making progress on the targets and goals.
15. As part of developing the new online format, Environment Canterbury is also working to improve the reporting function to show if we are meeting the target areas and goals' outcomes and where there is insufficient information to report progress.

RMA planning and implementation

16. The Independent Hearing Panel on Plan Changes 7 (Land and Water Regional Plan) and 2 (Waimakariri River Regional Plan) has now closed the hearing. The Panel is considering the 560 submissions and additional evidence presented by more than 100 (in person) submitters. It is anticipated the Independent Hearing Panel will make its recommendations to the Regional Council before July 2021.

Key regional projects/campaigns

17. The Farm Environment Plan (FEP) Auditor Guidance documents have been completed for Dairy Effluent; Soils and Irrigation and due for sign off and adoption to be used in the 2021/22 financial year. Two training days for FEP auditors and farm consultants are planned for May 2021 to support the introduction of the new guidance.
18. FEP Auditor guidance on Waterbodies, Fertiliser and Point Source Pollution risks are currently being revised.
19. Environment Canterbury is implementing a drinking water source protection work programme that includes several key projects:
 - building a GIS-based risk assessment tool to enable the prioritisation of high-risk consented activities to ensure those activities that could pose a risk to source drinking water in community drinking water protection zones are monitored for compliance

- working with water take consent holders to identify where fertigation is taking place to ensure appropriate backflow prevention devices are in place and checked and certified annually
 - using GIS data supplied by Canterbury territorial authorities to identify properties where unconsented on-site wastewater management systems or septic tanks are located. This is to ensure all domestic wastewater discharges within community drinking water protection zones obtain a resource consent and ensure systems or tanks are up to standard.
20. The following projects to improve water quality, increase river flows and groundwater levels continue to be trialled in the region:
- due to healthy surface water flows and shallow groundwater levels in the upper Selwyn/Waikirikiriri catchment full commissioning of the Selwyn/Waikirikiriri Near River Recharge (NRR) scheme is now timed for May 2021
 - the Hekeao Hinds Managed Aquifer Recharge (MAR) trial now has 17 operational MAR and NRR sites. Learnings to date suggest that the current targeted approach to scheme design will reduce the required scheme size and annual water volume by up to 50 percent
 - aquatic plant collection and cleaning is underway at the upper Hekeao Hinds and Broadacres / lower Waikirikiriri Selwyn sites. Channel lining and hardwood stump installation is also taking place at the Broadacres site.

Central government policy

21. Taumata Arowai is now officially established and has an independent board, chaired by Dame Karen Poutasi. The Māori Advisory Board is currently being established.
22. Several Canterbury councils and the Mayoral Forum submitted on the Water Services Bill. Over 1000 submissions were received with hearings completed in March 2021. A key feature of the Bill is that suppliers must have a duty of care responsibility and will need to lift compliance to above current standards. The Bill also requires all persons who perform or exercise functions powers and duties to give effect to Te Mana o te Wai. The Bill is expected to be enacted by mid-late 2021.
23. In developing the legislation, the government underestimated the large number of non-regulated small supplies and the associated workload to lift compliance for drinking water supplies and wastewater networks.
24. A regional workshop was held in Christchurch in March to discuss the design, number and boundary options for the new three waters service delivery entities. The Government has indicated 2-5 entities nationwide. Key decisions on the entities will be made over the next few months and the Government will be running nationwide public information and education campaigns. Refer to agenda item 5.

25. Environment Canterbury continues to develop its approach to implementing the new requirements of the Essential Freshwater package and provides regular updates on the Environment Canterbury's webpage¹. As part of this, Environment Canterbury is working alongside Te Rūnanga o Ngāi Tahu and papatipu rūnanga to determine how co-design will be used during the process of giving effect to the requirements of Essential Freshwater. See Attachment 2 for Environment Canterbury's indicative planning programme.

Attachments

- Zone overview from February to April 2021
- Environment Canterbury indicative planning programme

¹ <https://www.ecan.govt.nz/your-region/your-environment/water/essential-freshwater-package>

Attachment 1: Zone overview from February to April 2021

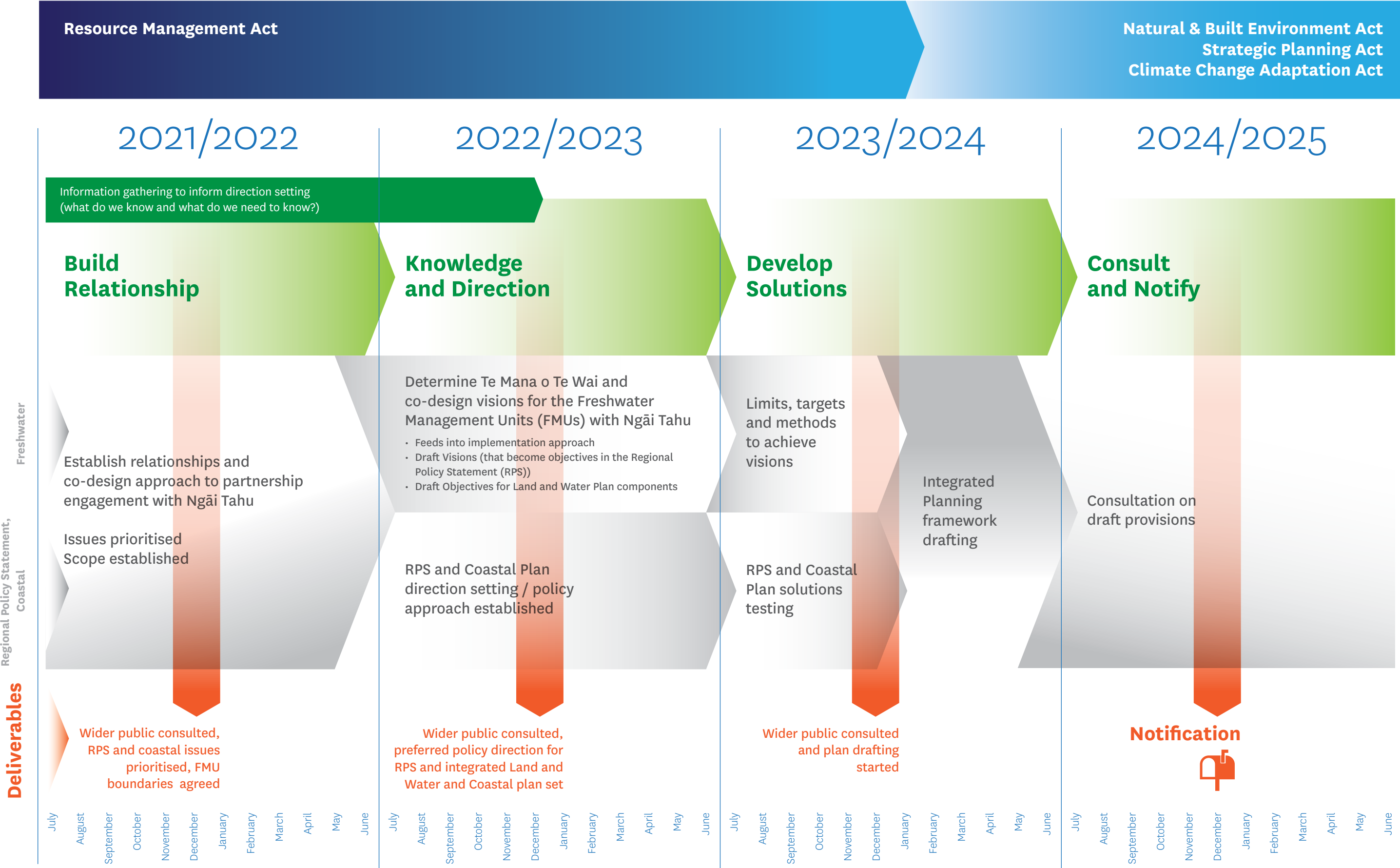
CWMS Committee	Focus of the Zone Work Programme	Highlights of practical work underway
Kaikōura	Kaikōura Plains a showcase for on the ground action Collaboration	<ul style="list-style-type: none"> Focus for the last 3-4 years has been on on-the-ground action on the Kaikōura Plains with riparian planting, wetlands protection and weed clearance on the Clarence. Focus for the near future will be to work closer with Kaikōura District Council towards berm transition (planting / weed control / mahinga kai / community enhancement) on Oaro, Kowhai, Waimangarara Rivers and Lukes Creek. Working with Kaikōura and Hurunui District Councils and DOC as part of the Ngāti Kurī collective.
Hurunui Waiau	Community Action On the ground action Water and Land committee	<ul style="list-style-type: none"> Environment Canterbury is supporting the work of the Hurunui Landcare Group and the emerging Waiau Uwha Catchment Group on riparian and berm projects between the Hanmer and Waiau bridges. Focus for the near future will be toward berm transition (planting / weed control / mahinga kai / community enhancement) for the Kōwai, Waipara and Chatterton rivers. Hurunui District Council continues to work with Environment Canterbury and Ngāi Tahu on draft options for a new Water and Land committee.
Waimakariri	Waimakariri District Council projects Braided River Revival programme – Ashley/Rakahuri Zone Committee Action Plans	<ul style="list-style-type: none"> Waimakariri District Council commenced construction on a water supply upgrade for the Ponytze Road scheme, which will comply with Drinking Water Standards. Notification and engagement are being carried out with landowners who have Significant Natural Areas identified on their property in the draft Waimakariri District Plan. Braided Rivers Revival – the Ashley/Rakahuri is one of the first rivers to which Environment Canterbury is applying “a whole of river principle” (including recreation, biodiversity, mahinga kai). Work has begun on the removal of willow in the reach from the Gorge to the Okuku confluence. In conjunction with the District Council and the community, master planning for the Rangiora Reach is about to commence. The zone committee is making good progress in the development of its Action Plan.
Christchurch-West Melton	Erosion and Sediment control programme Working with community/ catchment groups Dust- App pilot in McLean’s Island area	<ul style="list-style-type: none"> Hosted inaugural Erosion and Sediment Control Workshops over 3 days in April 2021. Next workshops planned for November 2021. Supported Otukaikino catchment work with biodiversity work and weed removal in collaboration with the Water & Wildlife Trust, Christchurch City Council and landowners Completed a pilot testing the use of an app to report dust by community and Environment Canterbury compliance staff
Banks Peninsula	Support for Banks Peninsula	<ul style="list-style-type: none"> The Banks Peninsula Conservation Trust covenant project connects to several other covenants along Okains Bay Stream. It is one of four projects with

CWMS Committee	Focus of the Zone Work Programme	Highlights of practical work underway
	Conservation Trust covenant projects	confirmed IMS funding of around \$16,000 to be used alongside Christchurch City Council's funding of \$20,000 to fence and covenant a 2.8 ha forested section of Okains Bay. This link provides further information on these projects.
Selwyn-Waihora	Collaborative approach to find catchment solutions along the Waikirikiri / Selwyn river	<ul style="list-style-type: none"> • Fonterra Sustainable Catchment funding applications (supported by Environment Canterbury) have been successful supporting water quality sampling and biodiversity work in collaboration with landowners and Te Taumutu rūnanga in the Silverstream catchment.
Ashburton	Carters Creek Catchment Immediate steps projects Ashburton River pipeline project	<ul style="list-style-type: none"> • Environment Canterbury and Ashburton District Council staff stream walked the urban section of Carters Creek through Tinwald during March to investigate infrastructure in the catchment. • A Hinds biodiversity community vision is under discussion led by representation from Mayfield Hinds Valetta Irrigation Scheme, the Ashburton Water Zone Committee, Te Rūnanga o Arowhenua, Ashburton District Council and Environment Canterbury. • Mt Harding Creek catchment project commenced with mapping and stream walking by Environment Canterbury, discussions with individual landowners and the Ashburton Lyndhurst Irrigation Scheme, and a display at the Methven A&P show. • The Ashburton River pipeline project was completed over summer and the efforts of Ashburton District Council and contractors to ensure full environmental compliance were recognised with an award from Environment Canterbury during March 2021.
Orari-Temuka-Opihi-Pareora	Catchment- scale programme proposal Washdyke Lagoon Immediate Steps Projects	<ul style="list-style-type: none"> • Continued support of the Catchment Collective, including setting up budget holding capability within Environment Canterbury until the Catchment Collective achieves incorporated society status • Results from the Timaru Odour Project pilot run over February were discussed at a community meeting on 31 March. • Serpentine Creek weed control has been completed. Further surveying to determine the spread of willow through the Waihi has been undertaken. • Working with Aoraki Environmental Consultants to get cultural advisor approval of the control sites at Ohapi Creek before work commences. Works will likely occur during spring/summer this year • OTOP Zone Committee is working towards action plans and has started presenting annual/progress reports to Environment Canterbury and territorial authorities.

CWMS Committee	Focus of the Zone Work Programme	Highlights of practical work underway
Upper Waitaki	Lakes campaign Increasing knowledge of mahinga kai Mackenzie Alignment Group	<ul style="list-style-type: none"> • The 'One Poo Can Close the Lake' campaign received significant local and national coverage, was well received, and raised public awareness of negative impacts on recreational areas in the locality. There were no reported contamination exceedances at Lake Ruataniwha over the summer holiday period. • Upper Waitaki Zone Committee is keen to focus on increasing local knowledge and understanding of mahinga kai across the community, through identifying activities within its Action Plan. • The Mackenzie Alignment Group held a combined consenting drop-in day in Twizel. • Following the Ohau village fire and remediation process, Environment Canterbury and territorial authorities are investigating future opportunities for compliance support and alignment. • The zone committee is working towards action plans and has started presenting annual/progress reports to Environment Canterbury and territorial authorities.
Lower Waitaki	Fish Screens compliance Waihao Wainono Community catchment Upper Hakataramea Bio Security measures PC5Southern Coastal Farms Audit	<ul style="list-style-type: none"> • Compliance monitoring of fish screens is underway. • Working with the Waiho Wainono Catchment Group to plant over 600 plants and undertake willow control. • Willow and broom control on the upper Waitaki and fencing in the Ohau Downs. • Willow and broom control in Hakataramea in line with survey reports to catchment group. • Bruscott Station wetland construction and planting underway. • Full audit against PC5 nutrient budget levels and GMP compliance in conjunction with all farmers.

Attachment 2

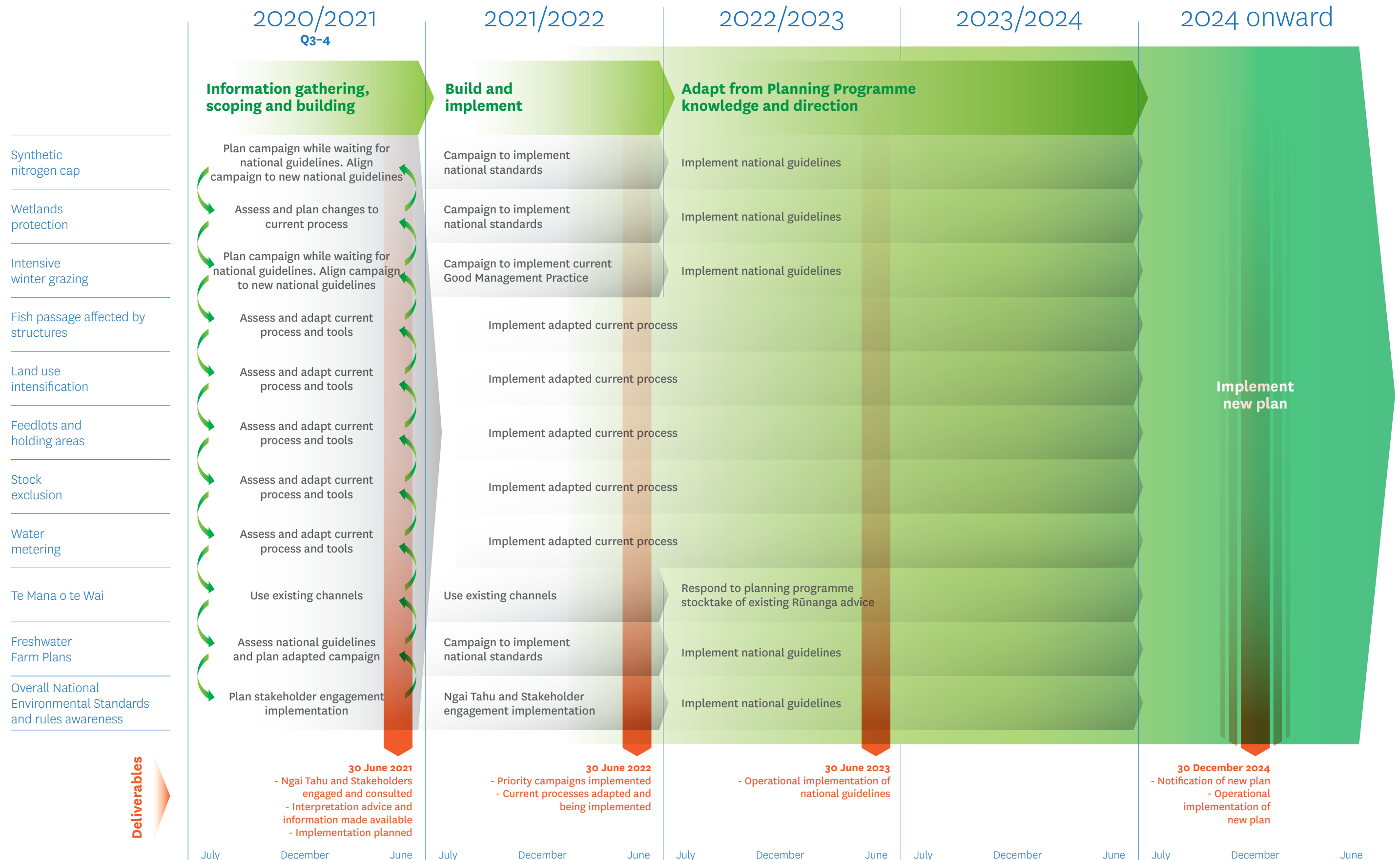
Environment Canterbury Planning Programme 2021-2024



Essential Freshwater Package Indicative Implementation Milestones

All Essential Freshwater programmes

Continuous communication, feedback and improvement



Date: 28 May 2021

Presented by: Chair

Budget 2021 Update

Purpose

1. To provide an update on Wellbeing Budget 2021 – Securing our Future and to give members line of sight on the Regional Strategic Partnership Fund, expected to be announced by government shortly.

Recommendations

That the Canterbury Mayoral Forum:

1. **note the update on the Government's Wellbeing Budget 2021 -Securing our Recovery**
2. **request the secretariat to keep a watching brief on the Regional Strategic Partnership Fund announcement and consider what would be required for the Canterbury Mayoral Forum to secure funding through this fund.**

Background

2. On Thursday 20 May 2021, the Minister of Finance introduced the Government's 2021 Budget (Wellbeing Budget 2021 – Securing our Recovery) to Parliament.
3. In his Budget Speech the Minister set out the fiscal and economic outlook for New Zealand, described the wellbeing objectives of the budget and highlighted key funding priorities:
 - continuing to keep New Zealanders safe from COVID-19.
 - accelerating the recovery and rebuild from the impacts of COVID-19.
 - laying foundations for the future and addressing key issues including climate change, housing affordability and child poverty.

Key initiatives

4. Key funding initiatives highlighted in the Minister's speech included:

Welfare	Weekly benefits to increase by \$32 and \$55 per adult, to help low-income New Zealanders to meet basic material needs.
Climate change	Capital injection of \$300 million for New Zealand Green Investment Finance to support climate change mitigation and to create jobs and opportunities. In Budget 2022 onwards, funds from the Emissions Trading Scheme will be recycled back into emission reduction programmes.
Housing	\$3.8 billion to the Housing Acceleration Fund to fund infrastructure projects across the country and ramp up delivery of large-scale projects that provide a mix of public, affordable and market housing. \$350 million of the fund ringfenced for housing for Māori. \$380 million over four years for 1000 homes for Māori, including papakāinga house and repairs to 700 Māori-owned homes.
Health	\$2.7 billion for district health boards \$200 million over four years to Pharmac to pay for medicines and other health treatments.
Education	\$1.7 billion for schools and early childhood education and \$470 million for tertiary education.
Employment	\$127 million over four years to fund an extension of training incentive allowances for 16,000 people.
Transport	\$10 billion of investment in roads and public transport projects.

Initiatives relevant to local government

5. In addition to the above, Budget 2021 contains details of funding proposals of particular significance for local government. These are summarised below:
 - Transforming Three Waters Service Delivery for New Zealanders: Transition and Implementation – \$296 million for establishment of multi-regional water services entities and the transfer of assets, liabilities, staff and services from local authorities to those entities, as part of the Three Waters Service Delivery Reform Programme.
 - Designing, delivering and implementing comprehensive and sustainable reform of the resource management system - \$131 million to fund the reform of the resource management system. Funds will assist with the repeal of the Resource Management Act and its replacement with three new Acts (Strategic Planning Act, Natural and Built Environment Act, Climate Change Adaptation Act).
 - Accelerating Farm Plans - \$37 million over four years to support a career pathway scheme for farm advisors, delivery of the integrated farm planning framework and farm planning tools.
6. The attached table provides further detail on these and other funding initiatives of relevance for Canterbury.

Regional Strategic Partnership Fund

7. The Ministry of Business, Innovation and Employment (MBIE) has indicated that a \$200m Regional Strategic Partnership fund is under development. This fund is intended to provide targeted seed funding to initiatives proposed by regional governance groups.
8. Each regional governance group will be invited to submit proposals for funding. Before submitting a proposal the group will be expected to work with iwi, business leaders and economic development agencies to confirm strategic priorities for the region and identify relevant initiatives to meet these priorities. The Mayoral Forum is likely to be the preferred regional governance group for Canterbury.
9. Decisions on which initiatives to proceed with would be considered through MBIE's PRISM model: Productive, Resilient, Inclusive, Sustainable and Māori-enabling.
10. Selected initiatives will be invited to develop business cases, and further funding may be available through specific agencies (e.g. NZTA for roading projects).

Next steps in the Budget process

11. Following Thursday's announcement, select committees will scrutinise estimates and appropriations (amounts allocated to specific initiatives) and report back to the House within ten weeks with their findings. Members of Parliament will then debate the spending proposals through the Estimates Debate.
12. The final stage in the process is the third reading of the Appropriations Bill, with the Budget expected to be finalised sometime in August 2021.

Attachments

- Table 1: Budget initiatives of relevance to Canterbury

Attachment 1: Budget initiatives relevant to the Mayoral Forum’s Plan for Canterbury

Priority Area	Funding initiative	Funding details
Sustainable environmental management of our habitats <i>Land and water management</i> <i>Biodiversity</i>	<p>Hectors and Maui dolphin Threat Management Plans</p> <p>Designing, delivering and implementing comprehensive and sustainable reform of the Resource Management System</p> <p>Establishing an enduring environmental monitoring and reporting system</p> <p>Increasing Capability and Capacity to ensure Te Tumu Paeroa can meet Statutory and Compliance Functions</p>	<p>\$0.25 million capital injection for camera monitoring on fishing vessels in high-risk areas for Hectors and Maui dolphins</p> <p>\$131 million over three years to fund the reform of the resource management system and the replacement of the RMA with three new Acts (Strategic Planning Act, Natural and Built Environment Act, Climate Change Adaptation Act).</p> <p>\$25 million over three years to establish a national monitoring and reporting framework, creation of national biophysical limits and to support state of the environment monitoring.</p> <p>\$21 million over four years to support Te Tumu Paeroa (TTP) and to improve technology and systems relating to environmental and resource management regulation (e.g. reviews of Farm Environmental Plans and Asset Management Plans)</p>
Shared economic prosperity <i>Economic wellbeing</i> <i>Social wellbeing</i>	<p>Accelerating Delivery of a National Integrated Farm Planning Systemⁱ</p> <p>Canterbury Earthquake and other disasters – support for affected homeowners</p> <p>Accelerating and Strengthening Business Connect</p>	<p>\$37 million over four years to support a career pathway scheme for farm advisors and delivery of an integrated farm planning framework and farm planning tools</p> <p>\$2.7 million over the coming year to support the Greater Christchurch Claims Resolution Service and the Residential Advisory Services.</p> <p>\$36 million over four years to support an expansion of the Business Connect digital platform to enable better integration of services for businesses that deal with local and central government.</p>

	Expanding Just Transition Support for communities facing transitions	\$14 million over four years to support communities facing 'transition' and to empower community partners to lead through change
	Regional Strategic Partnership Fund	\$66 million over upcoming year to support regional economic recovery from COVID-19 (note expected announcement that this Fund will be \$200m).
	Māori Pathways	\$10 million to fund wāhine Māori in the care of Corrections within Ōtautahi / Christchurch and the wider Canterbury region.
	Christchurch Schools Rebuild Programme	\$73 million for Christchurch Schools Rebuild programme.
	Housing Acceleration Fund	\$3.8 billion over four years to increase the pace and scale of new housing supply through supporting provision of infrastructure, housing and expanding the Land for Housing programme.
	Kainga Ora Land Acquisition Fund	\$184 million over four years to support Kainga Ora purchase land and meet holding costs.
	Kainga Ora Sustainable Funding	\$133 million over three years to carry out urban development. Funding to Kainga Ora to support urban development and working with councils iwi, developers and other partners.
	Reinstate Training Incentive Allowance	\$127 million over four years from the Covid-19 Recovery and Response Fund to reinstate the Training Incentive Allowance.
Better freight transport options	Rail network investment programme	\$449 million over two years to the National Land Transport Fund to meet funding requirements to restore a resilient and reliable national transport network
	Rail maintenance hub	Creation of a new rail maintenance hub at Waltham creating 300 jobs, plus 150 jobs for IT maintenance and renewals for NZ Rail
Climate change adaptation and mitigation	Expanding Low Emissions Transport Technologies and Fuels	\$42 million for new Low Emission Transport Fund to fund diffusion of low-emission technologies in the transport sector.

	<p>Implementing the Carbon Neutral Government Programme¹.</p> <p>Delivering New Zealand's Low-carbon future and adapting to climate change</p> <p>Accelerating Agricultural Climate Change Research and On-Farm Emissions Mitigation</p>	<p>\$41.4 million to fund 422 low emission vehicles for the State Sector</p> <p>\$19.5 million to replace coal boilers in schools, hospitals and other govt agencies. Of this \$19.5 million, \$2.4 million set aside for replacement of coal boiler at Ashburton Hospital</p> <p>\$2.8 million to fund an upgrade of Hillmorton Hospital's mental health unit to a higher green star rating.</p> <p>\$18 million over four years to MfE to commence priority initiatives to support a transition to a low-carbon future.</p> <p>\$24 million towards agricultural greenhouse gas mitigation research and development to accelerate research and development in high-impact areas including vaccine development, methane and nitrous oxide inhibitors, low-emissions animal breeding, and soil carbon enhancement</p>
Three Waters services	Transforming Three Waters Service Delivery for New Zealanders: Transition and Implementation	\$296 million over two years to support the establishment of multi-regional water services entities and the transfer of assets, liabilities, staff and services from those local authorities to entities as part of the Three Waters Service Delivery Reform Programme.

ⁱ Up to 40,000 farmers and growers to have access to farm plan tools to meet freshwater and greenhouse gas regulatory requirements by 2025

¹ Initiative is forecast to result in a reduction of 11,600 tonnes of CO2 emissions over 10 yrs.