



4 April 2022



Ref: OIA-2021/22-0955

Dear 

Official Information Act request for technical briefings and other documentation regarding the West Coast weather event

Thank you for your Official Information Act 1982 (the Act) request received on 7 February 2022. You requested:

"I am requesting all technical briefings about weather in the West Coast region, namely the Westland District and Buller District, between Monday January 31 and Sunday February 6. My request will cover all information presented to officials during the weather event that occurred in the period.

My request also covers any correspondence between emergency management officials and other public agencies, including the local council or weather forecasts, about the response to the weather event that happened during the above dates. My request also covers any recommended actions or decision-making during that period."

The time frame for responding to your request was extended under section 15A of the Act by 20 working days because it necessitated a search through a large quantity of information, and consultations were required before a decision could be made on your request. Following this extension, I am now in a position to respond.

On 15 February 2022, you contacted the Department of the Prime Minister and Cabinet to extend the timeframe for the information you required, from Sunday 6 February, to Sunday 13 February.

In response, please find enclosed documents relevant to your request, subject to some information being withheld as noted. The relevant grounds under which information has been withheld are:

- section 9(2)(a), to protect the privacy of individuals;
- section 9(2)(b)(ii), to protect the commercial position of the person who supplied the information, or who is the subject of the information; and
- section 9(2)(g)(i), to maintain the effective conduct of public affairs through the free and frank expression of opinion.

In making my decision, I have taken the public interest considerations in section 9(1) of the Act into account.

You have the right to ask the Ombudsman to investigate and review my decision under section 28(3) of the Act.

This response may be published on the Department of the Prime Minister and Cabinet's website during our regular publication cycle. Typically, information is released monthly, or as otherwise determined. Your personal information including name and contact details will be removed for publication.

Yours sincerely



Dave Gawn
Chief Executive
National Emergency Management Agency

West Coast CDEM Briefing 8:30AM 10 Feb

Thursday, 10 February 2022

8:34 am

Hydro update

- Some rain still to come (40mm of rain to midday) after lunch will drop off to 3-5mm per hour. All rivers are high. Buller River is estimated to 7000-9000cumecs. Higher end of that is comparable to July Flood last year.
- Peak height in Westport will be about midday to 4-5pm. It could be a drawn-out peak anywhere in between there. There is a possibility it will coincide with a high tide.
- The gauges on the website are not updating accurately - especially in Inangahua etc, don't rely on that information. West Coast RC Hydyo will answer if any queries.
- Levels of uncertainty as to what the Buller River is doing (from specialists and NIWS experts.) a lot of the monitoring equipment is out of commission. Trying to get eyes on the rivers. Inangahua River is going to be critical to Buller outcomes
- Buller River was at 11m just before 8AM.

Buller EOC

- Will give some consideration to declaration once we understand the river behaviour. Next technical expert meeting is 10:30AM. Some self-evacuations encouraged in low-lying areas.
- Currently messaging encouraging those in low-lying areas to self-evacuate. Mandatory evacuations to be considerate post technical expert meeting.
- Buller EOC have limited staffing. Greymouth ECC will put out a Sit-Rep this AM based on information from these briefings. Buller EOC will aim to provide a sit rep by midday.
- Focused on consistent messaging and need to get messaging direct to media. Will likely need PIM support.
- Further rainfall is noted for the weekend and MetService are keeping CDEM informed. It may be that assets need to be pre-positioned for this.

Emergency Services & Lifelines

- Chorus Network is up and running. Some power outages. Monitoring.
- Buller Electricity - no current network issues. Implemented plans from last week with crews ready to disconnect assets if they ready flooding levels. Holding pattern.
- FENZ - looking at options to fly stand-by crews to Westport. 10AM is earliest helis can get off the ground due to cloud cover. Liaising with other agencies as to who needs to get in.
- Police - working with FENZ to get staff in to offer support for evacs and reassurance patrolling. Hoping to arrive after 10AM. May be able to get 4WDs on the road.
- St John - looking to move more staff in. May look to FENZ for support to set up resources if required.
- DHB setting up EOC, planning next steps. Liaison at Buller EOC. Have 5 patients for which they are looking at evacuation options. Will be masonic lodge if can't get out via heli. Facility is still operational. Admin staff have not been able to get into work so planned care has been cancelled. Stationed an experienced nurse over the Buller Bridge with supplies in the event that it closes.
- O'Connor Home still has 12 residents in ChCh, rest have returned. No further evacuations there today. No water inundation. All residents will remain in place.

- MPI: On standby to go in with FENZ. At this stage we have significant flooding through farms. Access issues and concerns about equipment damage. All stock and people safe and well. Some stock cut off on high ground.
- NZDF - currently folks in Burnham are not on reduced notice to move, but are monitoring the situation, so if a regional state of emergency is declared or any requests come in they can respond accordingly. Could get gear over mid-late afternoon if required but keen to get an early notification from West Coast CDEM. From an air side of things inclement weather is an issue, however, haven't pre-positioned any people or assets.

Impacts overnight (from 12AM briefing)

- FENZ were pumping water overnight on a number of streets in Westport, particularly in low-lying areas such as Snodgrass. Surface flooding requiring FENZ assistance was also reported in Reefton, and Greymouth experienced some flooding in the Cobden area.
- A slip near Denniston led to some homes being evacuated. FENZ hosted some evacuees at the Waimangaroa Fire Station (numbers unknown). A Welfare Centre was set up at the Reefton Area School for members of that community that needed to evacuate if required.
- NZTA report that all roads into Westport are now closed due to slips and surface flooding.
- Buller Electricity have two teams out at the moment monitoring water levels and preparing to cut power if required to the same areas as last week.
- The rain eased in Hokitika and South Westland with no reported impacts.
- The Holcim Site was again identified as an evacuation centre option, however evacuations would need to take place before the bridge over the Buller River closed.

STATUS REPORT		
Event: West Coast February 2022 Adverse Event	Animal Welfare Emergency Management & Rural Communities and Farming Support, MPI	
Date: 2/02/2022	Time: 1700	
Organisation Name: Ministry for Primary Industries	Originator Record #: 004	

Summary of Event:

Significant heavy rain for the west of the South Island during Wednesday 2 February, Thursday and Friday. The heaviest rain is expected in Westland and Buller, both of which are covered by a RED WARNING, signalling the likelihood of significant impacts. **A state of emergency was declared in Buller District at 1435hrs 2 February and the National Coordination Centre was activated by NEMA early this afternoon.**

Current Situation:

- High rainfall (Red MetService warning) is expected over a 56-hour period in Westland from 0100 today and in Buller from 1200 today. Up to 600mm is expected for the event, with periods of high intensity rainfall of up to 45 mm/hr. Windspeeds of 50kmph on coast and 80kmph inland is also expected. **Westland rain will decrease from Thursday morning and red warning is expected to be lifted.**
- **Buller district has declared state of emergency (1435hrs today). Suitable evacuation sites have been identified and pre-emptive evacuations are being encouraged but not mandated. Portaloos and sandbags have been distributed.**
- Rainfall expected for both headwaters and coastal areas coinciding with high tides increases the risk of flooding and disruption to services. King tides **were** expected at noon today. Together it could mean flooding is worse than for the July 2021 event. **Golden Bay expected to receive rain increasing river levels comparable to the July 2021 event. RSTs and RAGs proactively reaching out to farmers in Golden Bay.**
- **NIWA river modelling indicates two peaks to Buller River flows. 1st wave Thursday 10am-3pm unlikely to cause significant flooding. Second peak flows from Friday night to Saturday morning could be similar to July 2021 event. NIWA is continuing to model these flows and provide updates.**
- Modelling suggests this event is similar to the March 2019 event which caused significant flooding in South Westland and washed out the Waiho River Bridge. **Main weather event is hitting South Westland and will continue overnight. Looking to do an evacuation of South Waihao. Some of the Westland Rivers are high.**
- Waka Kotahi has moved resources to Whataroa and Buller in preparation
- Emergency services are relocating staff to South Westland and have USAR staff on standby. Decisions on deployment will be made once NIWA modelling completed.
- There are Heavy rain Orange warnings in place for Tasman, Canterbury lakes and rivers, Otago lakes and rivers, and Fiordland too between Wednesday and Friday this week along with a strong wind watch in Canterbury High Country. Rangitata River is the main Canterbury river of concern at present.
- Agency briefing held at **1300hrs and another at 1600hrs** ^{s9(2)(a)} and **s9(2)(a)** were on call).
- CDEM teams on the West Coast have not yet confirmed if other agencies, including MPI, can have a physical presence at their Emergency Coordination Centres or Emergency Operating Centres.
- Buller (Westport) EOC and Greymouth ECC stood up yesterday and Westland (Hokitika) EOC stood up today.
- Rain is falling in Canterbury headwaters; ECan sent an alert to residents along the Rangitata River **and Tekapo**. Timaru CD will determine if a response is set up later today. Nothing reported from Otago; Tasman CDEM are currently monitoring and will decide if EOC needed later today. Marlborough also likely to get rain (although no warning in place) with 2 roads of concern (Awatere Valley and Keneparu).
- Franz Josef had thunderstorms and rain this morning. It started slowly but is intensifying and rivers are up by 0.5m this morning and expected to now rise rapidly. **Power outage at Franz Josef now repaired.**
- As at 10.00hrs it was not raining in Buller, however, farmers are being contacted and voluntary evacuations are now underway in Westport; an emergency animal welfare shelter is being set up **at s9(2)(b)(ii) wool**

shed today with s9(2)(b)(ii) and assisted by s9(2)(b)(ii) NZ; 8 dogs have arrived at the emergency shelter. s9(2)(b)(ii) reports 9 cats have been taken in. More temporary shelter for animals from early evacuees is being requested in Westport. Local Vets, s9(2)(b)(ii) and community hall have been provided details of temporary animal shelter. CDEM PIM will include a map location of temporary animal shelter to the public.

- Animal needs assessment questions have been provided to Buller EOC today.
- NEMA National Coordination Centre has been activated and the National Welfare Coordination Group will be stood up (MPI has attendees from RCFS and AWEM).
- A large welfare centre is being established in Cape Foulwind for evacuees.

Relevant primary industries and AW intel:

- West Coast CDEM has reached out to other CDEM groups for additional resourcing and is working through the logistics of leading a response while limiting contact due to Omicron. CDEM meeting held Monday and Tuesday at 1400 and Wednesday 1300hrs attended by RCFS and AWEM. ECC teleconference held at 1600hrs today.
- DairyNZ has issued a message to all dairy farmers yesterday regarding preparation for severe weather impacts including disruption to services, washouts and surface flooding
- The West Coast rural coordination group has been contacted in readiness and have coordinators on the ground that can deploy if needed.
- Federated Farmers and Westland Milk Products are actively contacting their farmers in readiness for the event and are on standby to assist.
- AWEM support agencies have been contacted and are on standby; s9(2)(b)(ii) (animal rescue) with the assistance of s9(2)(b)(ii) have deployed in Buller.
- Warnings have been issued to move stock to higher ground in Buller District.

Known Issues/Challenges/Problems:

- s9(2)(g)(i) [redacted]
- s9(2)(g)(i) [redacted]
- Monday 7 February is a Statutory Holiday with most people scheduled to be off work.
- AWEM and RCFS have already signalled to NOC and Readiness and Response that further support may be required. AW Inspectors on the West Coast are also available to provide some assistance. Further discussions on surge are in train.

Risks to be considered

- Safe operation under current COVID Omicron risks and settings. AWEM and RCFS staff are deploying in accordance with COVID-19 concurrent event guidance, updated for Omicron variant. Double vaccination required for all those attending ECCs and EOCs. Surgical masks met new requirements and have been organised for current deployed staff.
- Multiple regions in the South Island have weather warnings currently and will need monitoring (and potentially response) simultaneously. Lower North Island could expect heavy rain from Sunday.
- Health and safety of staff (deployment to regions with weather warnings, s9(2)(g)(i) [redacted] s9(2)(g)(i) [redacted] The Health and Safety Risk Register for this event has been prepared. Staff were reminded to log vehicle journeys with NCC.

Current or Anticipated Priorities/Activities

West Coast February 2022 Adverse Event

- Next agency/ECC briefing will be 1600hrs today and will be attended by AIS staff from RCFS and AWEM
- Confirm location of West Coast deployed response members (stay together or support multiple locations, currently working remotely at Greymouth).
- Response roster set ups for both AWEM and RCFS teams for next 7 days to be confirmed. **Surge capacity may be requested.**
- Monitor situation closely (weather, river modelling, and via contact with stakeholders) on-the-ground and remotely as it develops overnight and over the course of the week

RCFS actions or anticipated actions:

- s9(2)(a) is active coordinating RCFS on-the-ground activity with RAG/RST
- Working to confirm surge capacity including remote support from wider Directorate.
- **Farmers affected by July floods in Buller and others at risk have all been contacted.**

AWEM actions or anticipated actions:

- s9(2)(a) is now located in Greymouth and s9(2)(a) is located in Westport.
- s9(2) and s9(2)(b)(ii) with the assistance of s9(2)(b)(ii) have set up temporary animal shelter for early evacuated animals.
- s9(2)(b)(ii) has staff in Westland (Hokitika) and Greymouth on standby to assist if called upon.
- Seek out surge capacity s9(2)(g)(i)
- Provide AW subfunction updates as required
- Operational AW support agencies placed on standby; roster has been prepared and further staff can deploy if required.

NATIONAL EMERGENCY MANAGEMENT AGENCY (NEMA) SITUATION REPORT: 001

ISSUED AT 15:45 hours ON 03/02/2022

Event name:	Declaration status:				
West Coast Severe Weather Event	State of Local Emergency in Buller District				
Activation status:	Time declared:				
NCC Activated	2 February 2022 1445hrs				
Contact:	Incident Classification:				
Email: ncc.operations@nema.govt.nz	<table border="1"> <tr> <td rowspan="3">N 1</td> <td style="text-align: center;">↑</td> </tr> <tr> <td style="text-align: center;">S</td> </tr> <tr> <td style="text-align: center;">↓</td> </tr> </table> <p>N1 = A minor national level response N2 = A moderate national level response N3 = A major national level response N4 = A severe national level response</p>	N 1	↑	S	↓
N 1	↑				
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Updated information is in *red text*.

SITUATION SUMMARY

Overview

The West Coast (WC) area continues to be under a Red Alert Warning for the period 39hrs from 10:00 03 February until 01:00 05 February. The forecast is predicted to be similar or more severe than the weather event observed in July 2021.

MetService predict 250-350mm of rain to accumulate about the ranges on top of what has already fallen, and 120-220mm near the coast. This rain is expected to cause dangerous river conditions and significant flooding.

All rivers in the Buller region are currently below their alarm levels however this is likely to change with further rain forecast from early Friday morning.

Heavy rainfall is also expected in the Nelson region and in the headwaters of the Canterbury lakes and rivers.

The Buller District declared a state of local emergency at 14.35 on 02 February 2022 and has requested residents to voluntarily evacuate to family and friends outside of Westport. As a precaution 68 residents from the O'Connor Rest Home in Westport were evacuated yesterday 02 February.

Mandatory evacuation may be ordered in Westport – a decision will be taken tomorrow, 04 February. Planning is underway to ensure appropriate welfare support is in place, including the establishment of welfare centres. The CDEM Group, via Buller EOC, is currently setting up a welfare centre at the Holcim factory site to accommodate up to 2,500 people.

NEMA activated its National Coordination Centre (NCC) at 1330 on 02 February and continues to work in support of the impacted areas. NEMA's focus is to assist in surging resources to the affected areas to keep communities safe, and supporting the locally-led effort.

An AOG factsheet for Welfare has been provided to Buller to circulate locally.

Predicted Progression

Initial rainfall has resulted in elevated river levels across the region. Further rainfall forecast in the Buller region presents a risk to the town of Westport. Should river flows meet or exceed the maximum levels recorded during last year's event the potential for further damage to properties and infrastructure in Westport is significant.

The period of peak impact for Westport is expected to be Friday 04 February into Saturday 05 February.

Evacuees may be out of their homes for some days and, at the Holcim site, will need to be supported by the CDEM group and government agencies.

National Resources

- NEMA has pre-deployed to the West Coast with three Regional Emergency Management Advisors (REMAs) in the region.
- Twelve EMAT (Emergency Management Assistance Team) operational support staff deployed with two providing remote support to ECC functions. An EMAT Deployable Coordination Centre from Christchurch has been deployed.
- NZDF has deployed an Air Liaison Officer (ALO) to the West Coast ECC who will manage the tasking of an NH90 helicopter.
- Several agencies have deployed staff to the region including NZDF, FENZ, St John, MPI and Waka Kotahi.
- FENZ reports mobilisation at 1530hrs today of regional assets including:
 - 1 x Air Operations Manager
 - 1 x USAR Rapid Disaster Team
 - 1 x USAR Drone (UAS) Team
- MPI reports temporary animal shelter is currently being sourced by AWEM staff on the ground in Greymouth assisted by Animal Control and MPI Fisheries Officer to house surplus evacuated animals from Buller.

Evacuations

- The Buller EOC (which sits under the regional ECC in Greymouth) has requested the voluntary evacuation of Westport.
- Planning is underway to support the compulsory evacuation of Westport should this be required. This included work at regional and national levels to support the shelter and welfare requirements of evacuees

- The O'Connor Residential Care Home in Westport was fully evacuated on Wednesday 2nd Feb.

Lifeline Utilities

- There are reports of power issues between Franz Josef and Fox Glacier.
- Reports of comms outage due to fibre break south of Harihari.

Roads

- SH6 remains closed between Fox Glacier and Haast

Risks and Issues

1. Potential for the isolation of Westport due to road closures.
2. Isolation and Evacuation will stress access and delivery of critical resources and supply lines to the affected area and population.
3. The welfare centre at the Holcim site is isolated and 'bare': setting it up on a mass basis and sustaining it will require significant coordinated effort.
4. The difficulty in following public health protocols during this event will introduce risks for the public and responders.

Priorities for the next period

- Logistical and planning support to the CDEM Group, especially evacuation planning and the Holcim welfare centre
- Personnel support for the CDEM Group (eg, Alt Controllers)
- Sustaining NCC operations and deployed NEMA staff

Report authorised by: [Authoriser]

Report prepared by: Intelligence Function

Date/time of approval:

1545 hours on 03rd February 2022

Next Situation Report will be issued at:

1545 hours on 04th February 2022

NZTA Highway Regional Emergency Situation Report			
Incident:	Severe Weather Event - West Coast	Sit rep #	1
Date:	Wednesday 2 February	Time:	1100hrs
Period covering:	1600hrs Tuesday 1 February – 1000hrs Wednesday 2 February		
Prepared by:	s9(2)(a) [REDACTED]		
Approved by:	s9(2)(a) [REDACTED], Controller		
Next Sit Rep:	1730hrs		

PART 1: SUMMARY	
Summary of incident	<i>MetService issued Red Alert severe weather warning, for the period 1am Wednesday 2 February to 7pm Thursday 3 February, for Westland and Buller areas with potential to extend through to midnight Friday 4 February for Buller. Severe Thunderstorm watch issued for same areas</i>
Critical Information	<i>Up to 700mm rain in ranges with 200-300mm coastal over 42 hour period. Intensities up to 45mm/hr associated with thunderstorms possible. Region is dry and in soil moisture deficit following a period of prolonged dry weather. Expecting catchments to respond quickly to rainfall and rivers to rise rapidly. Recorded 24hr rainfall totals in ranges up to 160mm around Glaciers.</i>
Actions carried out since last Sit Rep	<i>Establish Waka Kotahi RERT Attended WC CDEM briefing 0900 hrs – next WC CDEM briefing 1600 hrs</i>
Risks- to SH network only	<i>Road closures. Damage to SH infrastructure. Surface flooding, slips, washouts, debris in rivers causing damage to structures, bridge approach washouts, bridges overtopping due to river flows. Monitoring river flows at Wanganui River, Poerua River, Whataroa River and Waiho River. Map attached.</i>
Risk Management	<i>Precondition messaging via tries, social media, VMS signs Cyclic crews patrolling network, focusing on at risk locations/sections. Operations manager undertaking inspections in South Westland. Based in Haast overnight Civil contractors moved to Whataroa and Haast Civil and cyclic crews operating in isolation to manage omicron risk.</i>
Predicted progression	<i>As per MetService forecast. Metservice update at CDEM briefing confirmed yesterday's forecast. Expect impacts to SH to increase during the day.</i>
Resources in place	<i>Yes</i>
Required resources	<i>Nil</i>

PART 2: DETAILED STATUS AND INTENDED ACTIONS**Land Transport System**

Road	Region/Location	Impact and actions
SH6	Makarora to Haast – Haast Pass	Surface Flooding
SH6	Haast to Fox	Surface Flooding
SH6	Fox to Franz – Fox Hills	Surface Flooding. Small slips, not blocking
SH6	Franz to Whataroa	Surface Flooding
SH6	Whataroa to HariHari – Mt Hercules	Surface Flooding
SH6	Hari Hari to Hokitika	Surface Flooding
SH6	Hokitika to Greymouth	
SH6	Greymouth to Westport – Coast Road	
SH6	Westport to Inangahua Junction – Lower Buller Gorge	
SH6	Inangahua Junction to O’Sullivans Bridge – Upper Buller Gorge	
SH73	Kumara Junction to Arthurs Pass	
SH7	Greymouth to Reefton	
SH7	Reefton to Springs Junction	
SH7	Lewis Pass	
SH65	Springs Junction to O’Sullivans Bridge	
SH67	Westport to Mohikanui	

PART 3: DETAILED DISTRIBUTION LIST

	Name	Details
s9(2)(a)		

NZTA Highway Regional Emergency Situation Report			
Incident:	Severe Weather Event - West Coast	Sit rep #	2
Date:	Wednesday 2 February	Time:	1700hrs
Period covering:	1000hrs Wednesday 2 February – 1600hrs Wednesday 2 February		
Prepared by:	s9(2)(a) [REDACTED]		
Approved by:	s9(2)(a) [REDACTED], Controller		
Next Sit Rep:	1100hrs Thursday 3 February		

PART 1: SUMMARY	
Summary of incident	<p>MetService have issued Red Alert severe weather warning for the period 1am Wednesday 2 February to 7pm Thursday 3 February, for Westland and Buller areas, with potential to extend through to midnight Friday 4 February for Buller. Severe Thunderstorm watch issued for same areas</p>
Critical Information	<p>Up to 700mm rain in ranges with 200-300mm coastal over 42 hour period. Intensities up to 45mm/hr associated with thunderstorms possible.</p> <p><i>Forecast issued 10.38am 2 February 2022 attached.</i></p> <p>Region is dry and in soil moisture deficit following a period of prolonged dry weather. Expecting catchments to respond quickly to rainfall and rivers to rise rapidly.</p> <p>Recorded 24hr rainfall totals in ranges up to 200mm around Glaciers.</p> <p><i>Buller District Council have declared a state of emergency as at 1435hrs Wednesday 2 February 2022.</i></p> <p><i>Buller EOC preparing evacuation plan for whole of Westport.</i></p>
Actions carried out since last Sit Rep	<p>Establish Waka Kotahi RERT</p> <p><i>MetService Weather Briefing 1230 hrs</i></p> <p><i>Attended WC CDEM briefing 1600 hrs – next WC CDEM briefing 0900hrs Thursday 3 February.</i></p>
Risks- to SH network only	<p>Road closures. Damage to SH infrastructure.</p> <p>Surface flooding, slips, washouts, debris in rivers causing damage to structures, bridge approach washouts, bridges overtopping due to river flows.</p> <p><i>Monitoring river flows at Wanganui River, Poerua River, Whataroa River and Waiho River.</i></p> <p><i>River levels are currently stable.</i></p>
Risk Management	<p>Precondition messaging via treis, social media, VMS signs</p> <p>Cyclic crews patrolling network, focusing on at risk locations/sections.</p> <p>Operations manager undertaking inspections in South Westland.</p> <p>Based in Haast overnight</p> <p>Civil contractors moved to Whataroa and Haast</p> <p>Civil and cyclic crews operating in isolation to manage omicron risk.</p> <p><i>Monitoring conditions approaching dark and will consider overnight closures as required.</i></p>
Predicted progression	<p>As per MetService forecast.</p> <p>Next MetService briefing 1300hrs 3 February</p> <p><i>Expect impacts to SH to increase as weather system moves up the West Coast and rainfall accumulations increase.</i></p> <p><i>Latest forecast suggests increased risk of impact in Buller area through to Friday – monitoring.</i></p>
Resources in place	Yes
Required resources	Nil

Severe Weather Warnings and Watches

* Red Severe Weather Warning in force - Heavy Rain for Buller, Westland *

* Severe Thunderstorm Watch in force for Westland *

Full warning details: www.metservice.com/warnings/home

SH6 West Coast (Eight Mile - Mokihinui - Haast Pass Summit)

Valid: Wed 2 Feb to Fri 4 Feb

* **RED Trigger Alert for Rain** *

* **AMBER Trigger Alert for Coastal** *

Overview:

This is expected to be a significant, impactful weather event. As well as a RED Severe Weather Warning, a Severe Thunderstorm Watch is also in effect for the possibility of severe localised downpours TODAY and before dawn tomorrow. These are most likely about the mountains.

NO BIG CHANGES TO FORECAST RAIN AMOUNTS.

A moisture-laden subtropical airmass covers the region, and periods of heavy rain are expected today, tomorrow and continuing in the north on Friday. The largest 24 hour accumulations, along with highest hourly intensities should be TODAY, when there the potential for peak intensities around 40mm per hour.

Three fronts can be tracked on weather maps, and the highest rain rates are associated with each of these. By the end of tomorrow, this condenses to a warm rainband over Buller, while a cooler airmass moves onto southern Westland.

A RED road alert is in effect for most sections, ending in the south tomorrow. Further rain, with heavy falls possible on the Alps expected on Friday in the south, while the alerts continue in the north.

Northern road sections also meet the criteria for 3 days in a row of more than 100mm in 24 hours.

An amber coastal alert has also been issued or TODAY, which as well as posing a threat to the usual at risk road sections, could exacerbate potential flooding in some areas.

Confidence:

Confidence is HIGH that rainfall totals will be substantial, but there remains uncertainty around exact amounts and end timing as heavy rain could continue into Saturday, although forecasters are favouring a scenario where the main rainband lies north of Mokihinui on Saturday.

Rain Eight Mile - Westport:

RED alert.

Until midnight Friday: 350 to 450mm could accumulate on the higher terrain surrounding the road. Peak intensities 20 to 25mm per hour.

This also meets the criteria for 3 consecutive days of more than 100mm in 24 hours.

Additional rain is possible on Saturday.

Rain Mokihinui - Westport:

RED alert.

Until midnight Friday: 350 to 450mm could accumulate on the ranges, with 180 to 230mm possible for the road. Peak intensities 20 to 25mm per hour.

This also meets the criteria for 3 consecutive days of more than 100mm in 24 hours.

Additional rain is possible on Saturday.

Rain Westport - Punakaiki:

RED alert.

Until midnight Friday: 350 to 450mm could accumulate on the ranges, with 180 to 230mm possible for the road. Peak intensities 30mm per hour about the ranges, but 20mm per hour for the road.

This also meets the criteria for 3 consecutive days of more than 100mm in 24 hours.

Additional rain is possible on Saturday.

Rain Punakaiki - Greymouth:

AMBER alert.

Until midnight Friday: 200 to 250mm could accumulate on the southern end of the Paparoa Range, with 100 to 150mm for the road. Peak intensities 20 to 25mm per hour. Currently the maximum 24 hour accumulation appears to be 150 to 180mm on the ranges, but there is a LOW risk that the RED alert criteria will be met. Additional rain is possible on Saturday.

Rain Greymouth - Hari Hari:

RED alert.

Until 7am Friday: Another 350 to 500mm could accumulate on the ranges, pushing totals above 600mm for the event, with the largest totals south of Otira. For the road, another 80 to 130mm is possible. Note, this area has the greatest uncertainty as it depends how quickly a front moves north. The front may clear the area later tomorrow, or it could linger longer into Friday.

Rain Hari Hari - Whataroa:

RED alert.

Until 2pm tomorrow: Another 300 to 350mm could accumulate on the ranges, pushing totals above 500mm for the event, with over 700mm possible on the higher peaks. For the road, another 130 to 180mm could accumulate in that time.

Peak intensities 40mm per hour (possibly more) with a front late this afternoon/early evening. 30mm per hour possible with tomorrow morning's front, most likely on the higher ground.

Rain Whataroa - Franz Josef:

RED alert.

Until 2pm tomorrow: Another 300 to 350mm could accumulate on the ranges, pushing totals above 500mm for the event, with over 700mm possible on the higher peaks. For the road, another 150 to 200mm could accumulate in that time.

Peak intensities 40mm per hour (possibly more) with a front late this afternoon/early evening and again with tomorrow morning's front.

Rain Franz Josef - Fox Glacier:

RED alert.

Until midday tomorrow: Another 300 to 350mm could accumulate on the ranges, pushing totals above 500mm for the event, with over 700mm possible on the higher peaks. For the road, another 150 to 250mm could accumulate in that time.

Peak intensities 40mm per hour (possibly more) with a front late this afternoon/early evening and again with tomorrow morning's front.

Rain Fox Glacier - Haast:

RED alert.

Until 9am tomorrow: Another 250 to 350mm could accumulate on the ranges, pushing totals to around 500mm for the event. For the road, another 120 to 200mm could accumulate in that time.

Peak intensities 40mm per hour (possibly more) with a front late this afternoon/early evening. 25mm per hour with tomorrow morning's front.

Rain Haast - Haast Pass Summit:**RED alert.**

Until 8am tomorrow: Another 200 to 250mm could accumulate, pushing totals to over 350mm for the event. Peak intensities 40mm per hour (possibly more) with a front late this afternoon/early evening. 25mm per hour with tomorrow morning's front.

Coastal:

Northerly swell is expected to reach 4 to 4.5 metres (t=10 to 12s) today, with strong onshore winds and King Tides. High tides are at 12.14am and 12.32pm tomorrow, then 1am Thursday. The second high tide tomorrow and the early Thursday high tide pose the greatest risk. Due to the northerly direction, Bruce Bay is probably the most exposed road section.

PART 2: DETAILED STATUS AND INTENDED ACTIONS

Land Transport System

Road	Region/Location	Impact and actions
SH6	Makarora to Haast – Haast Pass	Surface Flooding
SH6	Haast to Fox	Surface Flooding. Minor rock falls and trees down
SH6	Fox to Franz – Fox Hills	Surface Flooding. Small slips, not blocking.
SH6	Franz to Whataroa	Surface Flooding Monitoring Waiho River flood levels
SH6	Whataroa to HariHari – Mt Hercules	Surface Flooding Monitoring flood levels in Whataroa and Poerua rivers
SH6	Hari Hari to Hokitika	Surface Flooding Monitoring Wanganui River flood levels Monitoring Mikonui River flood levels.
SH6	Hokitika to Greymouth	
SH6	Greymouth to Westport – Coast Road	Minor rockfalls at Rapahoe, cleared.
SH6	Westport to Inangahua Junction – Lower Buller Gorge	
SH6	Inangahua Junction to O’Sullivan’s Bridge – Upper Buller Gorge	
SH73	Kumara Junction to Arthurs Pass	
SH7	Greymouth to Reefton	
SH7	Reefton to Springs Junction	
SH7	Lewis Pass	
SH65	Springs Junction to O’Sullivan’s Bridge	
SH67	Westport to Mohikanui	

PART 3: DETAILED DISTRIBUTION LIST

s9(2)(a)	Name	Details

SITUATION REPORT



WEST COAST
EMERGENCY MANAGEMENT

GROUP

Incident/Event	February 2022 severe weather event	EOC Location	Greymouth	SITREP Number	#2
Date	02/02/2022	Time			
Author	s9(2)(a)	Contact Details	s9(2)(a)	Planning Desk	

EMERGENCY RESPONSE STATUS

Level 1: Alert <input type="checkbox"/>	Level 2: Activation <input type="checkbox"/>	Level 3: Local Declaration <input type="checkbox"/>	Level 4: Group Declaration <input type="checkbox"/>	Level 5: Nat Declaration <input type="checkbox"/>
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EOC CONTACTS

Radio VHF Ch.	Telephone	Email	Satellite Phone
		Planning@greymouthemergencymanagement.nz	Sat:
Primary method of comms:		Systems at Risk:	

SITUATION OVERVIEW

Cause of emergency, geographic location, main impacts/consequences (succinct statement), escalating/de-escalating

Extent or area affected – include map

A red rain warning has been issued for the West Coast also a strong wind warning has been issued for the mountain areas. Event is likely to have highest peak rainfalls in the Westland District but later and more prolonged rainfall in the Buller District. Main impacts are surface flooding, slips and evacuations in known flood risk areas. Rainfall currently heaviest in Westland. Little rainfall currently being experienced in Grey and Buller areas. Situation is currently escalating.

Currently at Covid red level and restrictions apply.

Hokitika next high tide 3/2 0049hrs @ 2.3m

Westport next high tide 0044hrs @ 3.4m

Greymouth next high tide 0047hrs @ 3.3m

Hokitika River through second alarm at 1330 4.2m

Buller River predicted to go through 2 waves:

1) Peak river loading building from late morning through to early afternoon on Thursday 3rd Feb approx 1000 to 1500 expecting >3,000 cumecs flow.

2) Will be building from Friday afternoon and into early hours of Saturday morning. Could be same as July 2021 flood.

16:00 briefing

Westlands received over 300mm to present, expected up to another 300-400 mm up to midday tomorrow. This will be high intensity rain fall.

Buller up to 150 mm so far expected up to a further 300mls tomorrow and could last through to Friday

Waiho and Wanganui Rivers are of concern and will be watched.

Buller region has declared a state of emergency.

PEOPLE ASSESSMENT

Sector	Displaced	Missing	Fatalities	Injured
Buller				
O'Connor House				

DISPLACED

Evacuees, e.g. Welfare Accommodation, where, estimated time before re-occupation is possible

Note: Table information is appropriate

- Buller area is encouraging self-evacuation in known flood locations and people have been known to have done so and have sorted own accommodation on higher ground.
- O'Connor House is currently planning for evacuations, in particular the dementia patients.
- Evacuation sites being prepared in Buller area and need to advise public of locations.

An evacuation plan for central Westport has been prepared, evacuation will be recommended to friends and family outside evacuation area, or towards Greymouth.

Regular communication with communities further afield than Buller.

For Westland communication to go out to areas prone to flooding, to be ready to evacuate and where to go.

GDC in monitoring mode.

PEOPLES CRITICAL NEEDS

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Dementia patients are being looked after by Buller Health.

Mental health staff on site in Westport to help with anxiety from July flood event that is still being recovered from. Mental Health have sent extra support with Red Cross, working with the D.H.B.

COMMUNITY INFRASTRUCTURE NEEDS

Hospitals and medical centres

Status of these facilities, what impacts or consequences are occurring, are they managing

All hospitals operational.
Medical centres operating as normal.
Evacuation plans being worked on in Buller.

EMO's from Otago have established an ICP at the Franz Medical Centre to act as direct liaison into EOC. This is running on generator

Rest homes

Status of these facilities, what impacts or consequences are occurring, are they managing

O'Connor House in Westport is planning for evacuation. Difficulty is not knowing timing of any potential flooding and when and how best to undertake evacuations. Having difficulty planning at the moment.

Ultimate care Allan Bryant Care Facility has checked and serviced their back up power generator, they continue to monitor the situation.

Seaview care facility has arranged an alternate facility should any evacuations arise.

O'Connor home has been mostly evacuated and 15 people remaining onsite overnight.

Education Institutions

Have schools closed etc

South Westland Area School has closed for the next two days as a precaution.
All Buller schools will be closed Thursday and Friday.

Community Infrastructure Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Some local roads known to flood in Westland have been closed. Machinery has been placed around the districts in readiness for slips and other clearing earthworks.

Buller - Identifying and confirming appropriate locations for evacuation points in Buller (Waimangaroa Hall, Pamu farms, Holcim site, Sergeants Hill hall, Granity (Lyric) Theatre and Ngakawau Hall, Carters Beach Hall, Millerton Hall, Charleston Hall.) Portaloo's from the Peel Street yard and Warren French's site on the corner of McPadden and Alma Roads to Holcim evac site Procurement of sandbags, sand and locations for the public to 'fill their own'; 20,00 bags due later today. Two sites set up for filling - PERC centre and domain near Kawatiri Cycle Trail. Recommendation from s9(2)(a) about sandbagging the railway embankment - using the NZDF when they arrive - keeping approximately 100-200 sandbags behind - barriers coming from Christchurch to aid in this as well. 60 sandbags have been organised to be delivered to Buller Health Centre on Cobden Street - Contact s9(2)(a), NZRT to distribute. DOC labour to help with distribution and filling of sandbags Pre-emptive evacuation measures in daylight will be encouraged (not mandated as yet) where possible; Acknowledgement was given to the current fragile state of mental health of July Flood victims with s9(2)(a) Airport) alluding to the s9(2)(a) ing; A potential challenge is that the flooding may be far more widespread from this event - including Reefton, Inangahua, and Northern Buller. Volunteer centre set up at White star clubrooms Flood barriers being loaned to Buller for flood protection from Hydro Response.

PROPERTY STATUS

Residential Housing

Numbers and locations of seriously damaged and condemned

Currently none reported.

Commercial Property

Numbers and locations of seriously damaged and condemned, estimated time of closure

Currently none reported.

Housing and Property Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

None currently identified.

Sandbags available around Hokitika for public use.

D.O.C. are sandbagging in the Westport Area.

Arahaura Marae is available for displaced people.

TRANSPORT INFRASTRUCTURE NEEDS

Road Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate – Local roads and State Highway

Local roads in Westland that are known to flood have been proactively closed until flood risk has passed. No other known road closures.

Surface flooding to state highway 6 south of Hokitika and at Franz Josef. NZTA have issued a slow down notice. Arahura road is closed due to flooding between German Road and Humphries Valley Road.

All Buller roads open with maintenance staff arranged for regular inspections and updates.

Considerable surface flooding between Ross and Haast on State Highway

Closure on Witcombe Valley Road heading to Hokitika Gorge (DOC has closed the Hokitika Gorge track)

No changes decision upcoming on any closures overnight.

Airport Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

All airports currently operational

Westport airport taking precautions with DoC staff sandbagging area.

Port Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate – status of the bar

All ports currently operational

Rail Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

All rail currently operational

Transport Infrastructure Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

None currently identified.

Lifeline Utility Status

Electricity

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

No damage currently identified, just in a monitoring status.

Westpower have advised, they have an outage affecting Franz Josef and Fox south. Tree on the line around Lake Mapourika. Crews are currently on-site removing the tree. Power was off at 11:30am, expected to take up to 2 hours. Now extended until 1500hrs (Westland EOC was advised by phone call prior to outage).

Power still on to the rest of the network.

BDC generators delivered to Holcim evacuation site as a backup

Tree has been cleared from 33 kV line around Lake Mapourika, power now restored to Franz and Fox south.

No other known outages at present.

Telecommunications

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

No damage currently identified

Protection needs raised by Chorus in regard to main exchange in Westport.

Water

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

No damage currently identified.

Waste Water

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

No damage currently identified.

Petroleum

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

No damage currently identified.

Lifeline Utility Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Environmental Status

Waste and pollution

Debris, garbage and spills, issues with large scale removal and processing of

None currently identified.

Farming community and agriculture

Extent of impact on the farming community and response taken

Liaison in place.

In Buller warnings have gone out to move stock to higher ground. Updates on radio by Controller or mayor. Animal welfare set up with HUHA and PAMU. All animals able to be taken. MPI confirmed contacted all previously affected farmers.

Temporary animal shelter available in Buller region for any displaced animals.

Environmental Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

None identified.

Recovery Status

Summary

List any activity that has occurred or needs to occur. Has a Local Recovery Manager been appointed?

Planning

Plans

Summary of Response Coordination Plan (briefing times, deadlines, key EOC activities)

Buller:

Developing plan to evacuate residents in low lying areas to evacuation centres.

Move essential services to the Evac centres when identified.

Need to consider further evacuation sites and capacity and resources for evacuations if actioned.

Consideration for evacuation transport, traffic management etc

Holcim site has 13 portaloos and one large generator. Need to be moved onto site.

Seargents Hill Hall and s9(2)(a) shed for overflow with 6 portaloos and one medium sized generator. Need to be moved to site.

Potential Issues

Factors that may affect the response/recovery positively or negatively

Buller region still dealing with recovery from the July 2021 flooding. Accommodation is in short supply and mental health issues possible with multiple events in short timeframe.

Hazards and Warnings

Include information on the hazard, such as the latest MetService warnings/information etc

MetService has indicated that current warnings stand and it is predicted that rainfall will be as previously modelled i.e. intense but shorted in Westland, less intense but mor prolonged in Buller.

Anticipated Situation Development

How is the event anticipated to evolve

Anticipated that as rivers rise, flooding may occur in some areas. May require further evacuations. Slips are likely to occur on roads and potential to damage infrastructure. May require roading detours/closures and/or rail closures.

Priority Actions

List the key priorities for the management of the response over the next 24 hours or period as set by the Local/Group Controller

Plan for further evacuations and road closures.

The next SITREP will be issued at

Date	02/02/2022	Time	1700
Controller Name	s9(2)(a)	Signature	

Appendix 1:

[Add appendices here for items such as maps]

STATUS REPORT		
Event: West Coast February 2022 Adverse Event		Animal Welfare Emergency Management & Rural Communities and Farming Support, MPI
Date: 3/02/2022	Time: 1200	
Organisation Name Ministry for Primary Industries		Originator Record #: 005

Summary of Event:

Significant heavy rain for the west of the South Island during Wednesday 2 February, Thursday and Friday. The heaviest rain is expected in Westland and Buller, both of which are covered by a RED WARNING, signalling the likelihood of significant impacts. A state of emergency was declared in Buller District at 1435hrs 2 February and the National Coordination Centre was also activated by NEMA.

Current Situation:

- High rainfall (Red MetService warning) is expected over a 56-hour period starting on 2 February in Westland from 0100 and in Buller from 1200. Up to 600mm is expected for the event, with periods of high intensity rainfall of up to 45 mm/hr. Windspeeds of 50kmph on coast and 80kmph inland is also expected. Westland rain is decreasing in intensity but expected to continue through to Friday night and red warning is still in place. Ten voluntary evacuations occurred in Haast. There were small slips and localised areas of surface flooding overnight... The Grey river level is up but overall river levels are dropping.
- Buller district has declared state of emergency (1435hrs Wednesday 2/2/2022). A heavy rain red warning has been issued for 39 hours from 10am today until 1am Saturday, 5 Feb. Suitable evacuation sites have been identified and pre-emptive evacuations are being encouraged but not mandated. Portaloos and sandbags have been distributed. Evacuation site being set up is an old meat processing plant called 'Holcim'. Waiting on further modelling from NIWA to determine if any evacuations are needed. There is additional FENZ/Police/USSAR deployed to the area. The ECC remains in place. A decision will be made tomorrow morning if mandate evacuations or Westport at put in place.
- Rainfall expected for both headwaters and coastal areas coincided with high tides on 2 February increasing the risk of flooding and disruption to services. Together it could mean flooding is worse than for the July 2021 event. Golden Bay expected to receive rain increasing river levels comparable to the July 2021 event. RSTs and RAGs proactively reaching out to farmers in Golden Bay.
- Takaka is experiencing heavy rain and expected to go to red warning today. CDEM and agencies met last night. Significant rain expected could be a "10 year" flood.
- NIWA river modelling indicates two peaks to Buller River flows. 1st wave Thursday 1000-1500hrs unlikely to cause significant flooding. Second peak flows from Friday night to Saturday morning could be similar to July 2021 event. NIWA is continuing to model these flows and provide updates.
- Modelling suggests this event for South Westland is similar to the March 2019 event which caused significant flooding and washed out the Waiho River Bridge. In Buller the event is predicted to be similar to flooding experienced in July 2021, but the period of concern is from Thursday afternoon until Saturday morning
- Main weather event is leaving South Westland and moving north to Buller and Tasman.
- Waka Kotahi has moved resources to Whataroa and Buller in preparation
- Emergency services have stationed additional staff to South Westland and have USAR staff on standby. Decisions on further deployment will be made once NIWA modelling completed.
- There are Heavy rain Orange warnings in place for Tasman, Canterbury lakes and rivers, Otago lakes and rivers, and Fiordland too between Wednesday and Friday this week along with a strong wind watch in Canterbury High Country. Rangitata River is the main Canterbury river of concern at present.
- Agency briefing were held on 2 February at 1300hrs and another at 1600hrs s9(and s9(2)(a) were on call).

West Coast February 2022 Adverse Event

- Buller (Westport) EOC and Greymouth ECC stood up 1 February and Westland (Hokitika) EOC stood up 2 February.
- Rain is falling in Canterbury headwaters; ECan sent an alert to residents along the Rangitata River and Tekapo. Timaru CD will determine if a response is set up later today. Tasman CDEM meeting was held last night are currently monitoring and will decide if EOC needed later today. Marlborough also likely to get rain (although no warning in place) with 2 roads of concern (Awatere Valley and Keneparu). **No concerns from Otago and Southland.**
- Franz Josef had thunderstorms and rain, which started slowly then intensified through 2 **and 3 February however the risk is now abating and all river levels in Westland are dropping.** Power outage at Franz Josef repaired on 2 February.
- Rain **started in** Buller around midday **on 2 February with all** farmers are being contacted and voluntary evacuations in Westport; an emergency animal welfare shelter was set up at **s9(2)(b)(ii)** wool shed on 2 Feb with **s9(2)** and assisted by **s9(2)(b)(ii)** **4 dogs, 1 cat and 30 sheep** have arrived at the emergency shelter. SPCA reports **8 cats** have been taken in. **Temporary shelter for animal has been requested to be set up closer to human evacuation site Holcim. 2 animal welfare persons organised by MPI will be onsite in Holcim to assess evacuated animals either remain at Holcim or be evacuated to s9(2)(b)(ii) wool shed. It is predicted 1000 – 1500 animals may need to be evacuated in Westport.** Local Vets, **s9(2)(b)(ii)** and community hall have been provided details of temporary animal shelter. CDEM PIM will include a map location of temporary animal shelter to the public.
- Animal needs assessment questions have been provided to Buller EOC.
- **Temporary animal shelter is currently being sourced by AWEM staff on the ground in Greymouth assisted by Animal Control and MPI Fisheries Officer to house surplus evacuated animals from Buller.**
- NEMA National Coordination Centre activated in the afternoon of 2 February and the National Welfare Coordination Group **held its first teleconference at 0900hrs on 3 Feb** (MPI has attendees from RCFS and AWEM).
- A large welfare centre is being established in Cape Foulwind for evacuees.

Relevant primary industries and AW intel:

- West Coast CDEM has reached out to other CDEM groups for additional resourcing and is working through the logistics of leading a response while limiting contact due to Omicron. CDEM meeting held Monday and Tuesday at 1400 and Wednesday 1300hrs attended by RCFS and AWEM. ECC teleconference held at 1600hrs **Wednesday.**
- DairyNZ issued a message to all dairy farmers on 1 February regarding preparation for severe weather impacts including disruption to services, washouts and surface flooding
- The West Coast rural coordination group have coordinators on the ground that can deploy if needed.
- **MPI RCFS presence at ECC/EOC is not required at this stage.**
- Federated Farmers and Westland Milk Products actively contacted their farmers in readiness for the event and are on standby to assist.
- AWEM support agencies have been contacted and are on standby; **s9(2)(b)(iii)** (animal rescue) with the assistance of **s9(2)(b)(ii)** have deployed in Buller. **Additional Animal Evac NZ staff (3) have been requested to deploy to Buller and 2 MPI Animal Welfare Inspectors to assist with temporary shelter.**
- **AWEM staff being deployed to Nelson today (s9(2)(a) in anticipation of weather system moving over Tasman.**
- Warnings were issued to move stock to higher ground in Buller District on 2 Feb.

Known Issues/Challenges/Problems:

- **s9(2)(g)(i)**

- s9(2)(g)(i) North Island RCFS staff are supporting SI Regions and lower North Island is preparing for rain forecast for Lower North Island by Sunday.
- Monday 7 February is a Statutory Holiday with most people scheduled to be off work. Roster is in place.
- Further discussions on surge are in train. AWEM and RCFS have signalled to NOC and Readiness and Response that further support may be required and will work with MPI Controller today on additional resources, bearing in mind work will continue into next week. AW Inspectors on the West Coast are also available to provide some assistance along with s9(2)(a) from Te Uru Rakau.

Risks to be considered

- Safe operation under current COVID Omicron risks and settings. AWEM and RCFS staff are deploying in accordance with COVID-19 concurrent event guidance, updated for Omicron variant. Double vaccination required for all those attending ECCs and EOCs. Surgical masks met new requirements and have been organised for current deployed staff.
- Multiple regions in the South Island have weather warnings currently and will need monitoring (and potentially response) simultaneously. Lower North Island could expect heavy rain from Sunday.
- s9(2)(g)(i) The Health and Safety Risk Register for this event has been prepared. Staff have been reminded to log vehicle journeys with NCC.

Current or Anticipated Priorities/Activities

- Next agency/ECC briefing will be 1600hrs today and will be attended by AIS staff from RCFS and AWEM
- Confirm location of West Coast deployed response members (stay together or support multiple locations, currently working remotely at Greymouth). AWEM staff assisted by MPI Animal Welfare, MPI Fisheries Officer, s9(2)(b)(iii) and s9(2)(b)(ii) staff deployed Greymouth, Westport and Nelson.
- Response roster set ups for both AWEM and RCFS teams for next 7 days to be confirmed. Surge capacity is being requested.
- Continue to monitor situation closely (weather, river modelling, and via contact with stakeholders) on-the-ground and remotely as it develops over the course of the week
- Daily MPI teleconferences are now 1000hrs and 1530hrs to accommodation EOC and ECC meeting. Status reports are being produced twice a day at noon and 1500hrs.

RCFS actions or anticipated actions:

- s9(2)(a) is supporting the Greymouth ECC and active coordinating RCFS on-the-ground activity with RAG/RST
- Working to confirm surge capacity including remote support from wider Directorate.
- Farmers affected by July floods in Buller and others at risk have all been contacted.

AWEM actions or anticipated actions:

- s9(2)(a) is now located in Greymouth and s9(2)(a) is located in Westport. s9(2)(a) traveling today to Nelson.
- s9(2)(a) and s9(2)(b)(ii) with the assistance of s9(2)(b)(ii) have set up temporary animal shelter for early evacuated animals. A second shelter has been requested to be set up closer to human evacuation site in Westport.
- s9(2)(a) assisted by Greymouth local animal control sourcing and setting up temporary shelter in Greymouth for over flow of animals evacuated from Westport.
- s9(2)(b)(ii) has staff in Westland (Hokitika) and Greymouth have been deployed to Westport.

West Coast February 2022 Adverse Event

- 2 MPI Animal Welfare Inspectors have deployed to Westport to assist s9(2)(a) and 1 MPI Fishery Officer deployed to Greymouth to assist s9(2)(a)
- Seek out surge capacity s9(2)(g)(i)
- Provide AW subfunction updates as required
- Operational AW support agencies placed on standby; roster has been prepared all available AWEM staff are planned to be deployed for weather event.

West Coast February 2022 Adverse Event

STATUS REPORT		
Event: West Coast February 2022 Adverse Event		Animal Welfare Emergency Management & Rural Communities and Farming Support, MPI
Date: 3/02/2022	Time: 1700	
Organisation Name: Ministry for Primary Industries	Originator Record #: 006	

Commented [SK1]: Please put amendments in Red

Summary of Event:

A red warning was issued by MetService for heavy rainfall from 2 February on the South Island's West Coast. This is forecast to move up the Island into Tasman west of Motueka and parts of Nelson. A state of emergency was declared in Buller District at 1435hrs 2 February, and the National Coordination Centre was also activated by NEMA. The red warning is has been extended to Saturday for the Buller and Westland with more severe rain forecast which could cause dangerous river conditions and flooding in Buller.

Current Situation:

- Westland District: rain is decreasing in intensity but expected to continue through to Friday night with a red warning still in place for the next 18 hours. Ten voluntary evacuations occurred in Haast. Small slips and localised areas of surface flooding overnight.
- Buller District: declared state of emergency (1435hrs Wednesday 2/2/2022). A red warning remains in place for the next 35 hours (until 1am Saturday, 5 Feb). Suitable evacuation sites have been identified and pre-emptive evacuations are being encouraged but not mandated. Portalos and sandbags have been distributed. **The Red Cross have set up three evacuation sites, at an old concrete site called 'Holcim', in Sergeants Hill and Greymouth.** Waiting on further modelling tomorrow from NIWA to determine if any evacuations are needed. There is additional FENZ/Police/USSAR deployed to the area. The ECC remains in place.
- NIWA river modelling indicates Buller River could reach peak flows from Friday night to Saturday morning could be similar to July 2021 event.
- An emergency animal welfare shelter was set up at s9(2)(b)(ii) wool shed on 2 Feb with s9(2)(b)(ii) and assisted by s9(2)(b)(ii); 4 dogs, 1 cat and 30 sheep have arrived at the emergency shelter. s9(2)(b)(ii) reports 8 cats have been taken in. Temporary shelter for animal has been requested to be set up closer to human evacuation site Holcim.
- It is predicted 1000 – 1500 animals may need to be evacuated in Westport. Local Vets, s9(2)(b)(ii) and community hall have been provided details of temporary animal shelter. CDEM PIM will include a map location of temporary animal shelter to the public.
- Temporary animal shelter is currently being sourced by AWEM staff on the ground in Greymouth assisted by Animal Control and MPI Fisheries Officer to house surplus evacuated animals from Buller. s9(2)(b)(ii) **Greymouth are moving current housed animals to Christchurch to assist with temporary accommodation of surplus Westport animals.**
- NEMA National Coordination Centre activated in the afternoon of 2 February. **The National Welfare Coordination Group are meeting at 09.00hr each day for the next few days.**
- A large welfare centre is being established in Cape Foulwind for evacuees. **CDEM have set up an EOC office here.**
- AWEM staff s9(2)(a)(i) **arrived in Nelson today** in anticipation of weather system moving over Tasman.
- Golden Bay expected to receive rain increasing river levels comparable to the July 2021 event. RSTs and RAGs proactively reaching out to farmers in Golden Bay.
- Takaka is experiencing heavy rain and expected to go to red warning today. CDEM and agencies met last night. Significant rain expected could be a "10 year" flood.
- **Parts of Marlborough and Tasman (West of Motueka) have been issued an orange warning with extended periods of heavy rain. Rai Valley in particular has had a spell of dry weather, so the risk of runoff is higher.**

West Coast February 2022 Adverse Event

- MPI's Policy Agent in Nelson and the RST have phoned key rural stakeholders in Tasman (including the Marine Farming Association re aquaculture impacts). So far there are no reported concerns.

Known Issues/Challenges/Problems:

- s9(2)(g)(i) [redacted]
- s9(2)(g)(i) [redacted]
- s9(2)(g)(i) North Island RCFS staff are supporting SI Regions and lower North Island is preparing for rain forecast for Lower North Island by Sunday.
- Monday 7 February is a Statutory Holiday with most people scheduled to be off work. Roster is in place.
- Further discussions on surge are in train. AWEM and RCFS have signalled to NOC and Readiness and Response that further support may be required and will work with MPI Controller today on additional resources, bearing in mind work will continue into next week.

Risks to be considered

- Safe operation under current COVID Omicron risks and settings. AWEM and RCFS staff are deploying in accordance with COVID-19 concurrent event guidance, updated for Omicron variant. Double vaccination required for all those attending ECCs and EOCs. Surgical masks met new requirements and have been organised for current deployed staff.
- Multiple regions in the South Island have weather warnings currently and will need monitoring (and potentially response) simultaneously. Lower North Island could expect heavy rain from Sunday.
- s9(2)(g)(i) [redacted] The Health and Safety Risk Register for this event has been prepared. Staff have been reminded to log vehicle journeys with NCC.

Current or Anticipated Priorities/Activities

- Response roster set ups for both AWEM and RCFS teams for next 7 days. Surge capacity is being requested.
- Continue to monitor situation closely (weather, river modelling, and via contact with stakeholders) on-the-ground and remotely as it develops over the course of the week
- Daily MPI teleconferences are now 1000hrs and 1530hrs to accommodate EOC and ECC meeting. Status reports are being produced twice a day at noon and 1630hrs.

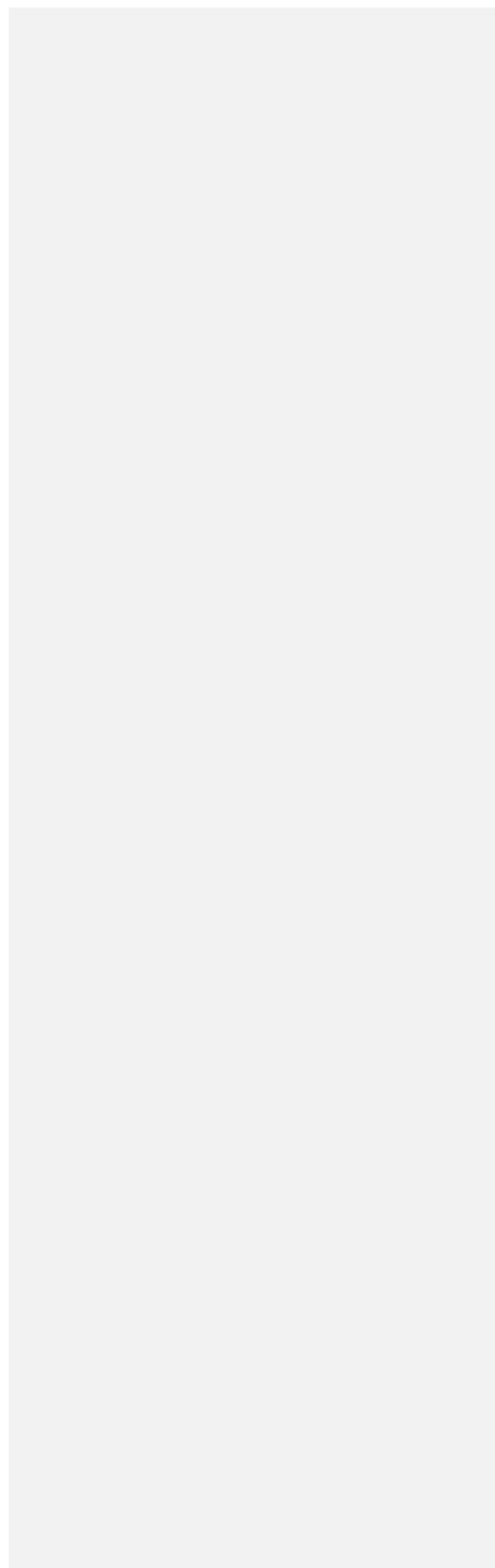
RCFS actions or anticipated actions:

- s9(2)(a) [redacted] supporting Greymouth ECC and active coordinating RCFS on-the-ground activity with RAG/RST
- Working to assess need for surge capacity including remote support from wider Directorate.
- Farmers affected by July floods in Buller and others at risk have all been contacted.

AWEM actions or anticipated actions:

- s9(2)(a) [redacted] now located in Greymouth. s9(2)(a) [redacted] is located in Westport s9(2)(a) [redacted] arrived in Nelson today.
- s9(2)(a) [redacted] and s9(2)(b)(ii) [redacted] with the assistance of s9(2)(b)(ii) [redacted] have set up temporary animal shelter for early evacuated animals. A second shelter has been requested to be set up closer to human evacuation site in Westport.
- s9(2)(a) [redacted] assisted by Greymouth local animal control in setting up temporary shelter in Greymouth for over flow of animals evacuated from Westport.
- s9(2)(b)(ii) [redacted] has staff in Westland (Hokitika) and Greymouth have been deployed to Westport.
- 2 MPI Animal Welfare Inspectors have deployed to Westport to assist s9(2)(a) [redacted] and 1 MPI Fishery Officer deployed to Greymouth to assist s9(2)(a) [redacted]
- Seek out surge capacity due to limited staff capacity
- Provide AW subfunction updates as required
- Operational AW support agencies placed on standby; roster has been prepared all available AWEM staff are planned to be deployed for weather event.

West Coast February 2022 Adverse Event



NATIONAL EMERGENCY MANAGEMENT AGENCY (NEMA) SITUATION REPORT: 002

ISSUED AT 15:45 hours ON 04/02/2022

Event name:	Declaration status:
West Coast Severe Weather Event	State of Local Emergency in Buller District
Activation status:	Time declared:
NCC Activated – Mode 3 (Assist)	02 February 2022 1330hrs
Contact:	Incident Classification:
Email: ncc.operations@nema.govt.nz	 <p>N1 = A minor national level response N2 = A moderate national level response N3 = A major national level response N4 = A severe national level response</p>
Report authorised by: [Authoriser]	Report prepared by: Intelligence Function
Date/time of approval: 15:45 hours on 04 February 2022	Next Situation Report will be issued at: 11:30 hours on 05 February 2022

Updated information is in **red text**.

SITUATION SUMMARY

Overview

A red warning remains in place for Buller and Westland, and orange warnings are in place West of Tasman (Golden Bay) and over Rai Valley, Richmond and Bryant Ranges and Nelson Lakes. There is a heavy rain watch over the Canterbury Foothills from 3am Friday 4 February – 4am Saturday 5 February.

There is also an orange warning for Wellington/Manawatu for heavy rain.

Waka Kotahi report that State Highway closures have impacted communities and some critical links in the West and Upper South Island. Convoys between Franz Josef and Fox townships on Saturday 05 February will be considered if SH6 is not open on Friday 04 February.

West Coast Regional Council River Gauges report that river levels are rising at:

- Hokitika RV – Kaniere Bridge

- Grey RV – Cobden Cut
- Buller RV – Te Kuha

Heavy rainfall is also expected in the Nelson region and in the headwaters of the Canterbury lakes and rivers. The severe weather system is forecast to move north along the coast and into the northern most part of the South Island. Tasman and parts of Nelson region are currently at Heavy Rain Warning Orange.

The Buller District declared a state of local emergency at 14.35 on 02 February and has requested residents to voluntarily evacuate to family and friends outside of Westport. Based NIWA modelling, a partial compulsory evacuation order is now in place for the following areas of Westport: Carters Beach, Marr's Beach, SH Buller River Bridge; Coates Street to North Beach; Craddock Drive; Orowaiti Road; Brougham St South; Snodgrass; Colvin Street; Kawatiri; Kew Road; JBT, Stafford St, SE to Orowaiti; Stafford Street to Stout; Te Kuha.

Residents are being told to take their pets and enough supplies for 3 days. Following on from a weather update a review of the evacuation order was made at 1500 today. Evacuees from Westport could total approx. 5000.

Planning is underway to ensure appropriate welfare support is in place, including the establishment of Civil Defence Centres. The CDEM Group, via Buller EOC, has established a Civil Defence Centre at the Holcim cement factory site to accommodate up to 2,500 people. Planning for the provision of support to evacuees is also occurring in Greymouth, with Centres on standby in the High Street Baptist Church and the Trinity Centre.

NEMA activated its National Coordination Centre (NCC) at 1330 on 02 February and continues to work in support of the West Coast CDEM Group. NEMA's focus is to assist in surging resources to the affected areas to keep communities safe, and supporting the locally-led effort.

An AOG factsheet for Welfare has been provided to Buller to circulate locally.

Predicted Progression

Initial rainfall has resulted in elevated river levels across the region. Further rainfall forecast in the Buller region presents a risk to the town of Westport. Should river flows meet or exceed the maximum levels recorded during last year's event the potential for further damage to properties and infrastructure in Westport is significant.

MetService forecasts suggest increased risk of impact in Buller area and then moving into Tasman and Marlborough in the afternoon of Friday 04 February and into Saturday 05 February.

Waka Kotahi has issued an advisory that the public avoid the following roads in the Marlborough Sounds: SH 6 Nelson, between the intersections of Poynters Crescent and Queen Elizabeth II Drive, Nelson/Marlborough and SH 60 Riwaka to Upper Takaka (Takaka Hill), Nelson/Marlborough.

Evacuees may be out of their homes for some days and, at the Holcim site, will be supported by the CDEM Group and government agencies. Early intelligence from the West Coast CDEM Group indicates that over two-thirds of evacuees from priority areas have self-evacuated either to friends and whanau, and/or are in MBIE TAS accommodation (68 families, 140 people in total). As such, only a small number of people should be evacuating to Holcim.

National welfare agencies and the NZ Red Cross have pre-deployed staff into Greymouth and Westport to ensure wrap around support, including for psychosocial support; emergency shelter and bedding; food; financial assistance; and animal welfare.

Planning is underway to activate the emergency Airbnb service to help with emergency accommodation demands and/or accommodate response staff to free up any hotel/motel rooms for families (if needed, there are no issues with this currently).

National Resources

- NEMA has pre-deployed to the West Coast with three Regional Emergency Management Advisors (REMAs) in the region.
- Twelve EMAT (Emergency Management Assistance Team) operational support staff deployed with two providing remote support to ECC functions. An EMAT Deployable Coordination Centre from Christchurch has been deployed.
- Several agencies have deployed staff to the region including NZDF, NZ Red Cross, FENZ, St John, MPI and Waka Kotahi.
- NZDF has deployed an Air Liaison Officer (ALO) to the West Coast ECC who will manage the tasking of an NH90 helicopter. **Ground assets include 1 x Local Emergency Response Group (23 personnel), field kitchen and 5 x trucks.**
- **NZ Red Cross has deployed 1 x truck, 1 x trailer, volunteers, cots and bedding**
- **NZ Police has deployed 17 officers to Westport. Further surge capacity on standby.**
- FENZ has mobilised the following on Thursday 3 February to Westport.
 - **3 x Fire Crew Taskforce and Taskforce Leader**
 - 1 x USAR Rapid Disaster Team
 - 1 x USAR Drone (UAS) Team and 1 x Air Operations Manager
 - 2 x FENZ Liaison Officers
- MPI reports temporary animal shelter is currently being sourced by AWEM staff on the ground in Greymouth assisted by Animal Control and MPI Fisheries Officer to house surplus evacuated animals from Buller.

Evacuations

- The Buller EOC (which sits under the regional ECC in Greymouth) requested the voluntary evacuation of Westport residents yesterday.
- **An emergency mobile alert was issued at 1115 hours on Friday 4 February 2022 requesting any remaining affected residents in the following areas to evacuate immediately: Snodgrass Rd, Coates St, Derby St from Cobden St to the beach, Menzies St, Roebuck St, Marrs Beach Rd, Kawatiri PI, Colvin St.**
- **Affected residents are being advised to move to the evacuation centre at Holcim, 901 Cape Foulwind Road, if they are unable to stay with people outside Westport.**
- **NZ Red Cross have established three evacuation reception centres at the Civil Defence Centres:**
 - **Holcim Welfare Site;**
 - **Sergeants Hill; and**
 - **Greymouth.**
- **FENZ reports that if the whole of Westport is evacuated then Westport Fire Station could be considered as an accommodation option.**
- The O'Connor Residential Care Home in Westport was fully evacuated on Wednesday 02 February.

Lifeline Utilities

- Fluctuating power issues between Franz Josef and Fox under investigation.
- Fox south to Paringa power outage. No power from Jacobs River to south Paringa
- All power restored to networks in Buller.
- Still a possible fibre break at HariHari. No restoration timeframe at this stage.
- Fox water treatment plant power out. Repairs underway.

Roads

- Fox to Franz, Fox Hills – Road closed. Clean up continues. Update due 4:00pm Friday 04 February. Road closure in Fox township meaning that the community is isolated
- SH6 remains closed between Fox Glacier and Haast. Update due 4:00pm Friday 04 February. Mahi Tahi River burst its banks overnight inundating road.
- SH6 Makarora to Haast, Haast Pass. Inspection complete and open. Significant slumping developing at Nissens Bluff.
- SH6 – Blenheim to Nelson closed between Rai Valley and Hira with water across the road, scour debris, slips and drop out.
- SH6 Rocks Road – Watching brief.

Risks and Issues

1. Potential for the isolation of Westport due to road closures. As the event progresses there is likely to be more slips and road closures. Coastal erosion is expected at the peak of high tides. Significant coastal inundation is not expected.
2. Isolation and evacuation will stress access and delivery of critical resources and supply lines to the affected area and population.
3. The Civil Defence Centre at the Holcim site is isolated and 'bare': setting it up on a mass basis and sustaining has required a significant coordinated effort. Security at this site could be a potential risk and is being addressed by local CDEM Group and NZ Police.
4. The difficulty in following public health protocols during this event will introduce risks for the public and responders.
5. Psychosocial impact on the Westport community. Given this event is likely to impact the same communities in Westport as the July 2021 flooding event, there are likely to be large psychosocial impacts. MBIE TAS has reported that those families already in temporary accommodation are exhibiting signs of intense anxiety.

Priorities for the next period

- Logistical and planning support to the CDEM Group, especially evacuation planning and the Holcim Civil Defence Centre.
- Personnel support for the CDEM Group (eg, Alternative Controllers).
- Sustaining NCC operations and deployed NEMA staff.
- AWEM/MPI monitoring and preparing in eventuality of Animal Welfare Response in Tasman, Nelson and Marlborough areas.
- NEMA and other central government agencies will closely track the impacts of the current severe weather event to determine how this will affect the current recovery programme. Once the damage and effects have been assessed, this will inform any changes to the current programme and any further government assistance needed to enable long- term recovery.

NZTA Highway Regional Emergency Situation Report			
Incident:	Severe Weather Event - West Coast	Sit rep #	3
Date:	Thursday 3 February	Time:	1100hrs
Period covering:	1600hrs Wednesday 2 February – 1000hrs Thursday 2 February		
Prepared by:	s9(2)(a)		
Approved by:	s9(2)(a), Controller		
Next Sit Rep:	1100hrs Thursday 3 February		

PART 1: SUMMARY	
Summary of incident	<p>MetService have issued Red Alert severe weather warning for the period 1am Wednesday 2 February to 7pm Thursday 3 February, for Westland and Buller areas, with potential to extend through to 3am Saturday 5 February for Buller. Severe Thunderstorm watch issued for same areas – thunderstorm watch lifted.</p>
Critical Information	<p>Up to 700mm rain in ranges with 200-300mm coastal over 42 hour period. Intensities up to 45mm/hr associated with thunderstorms possible. Forecast issued 10.38am 2 February 2022 attached. Region is dry and in soil moisture deficit following a period of prolonged dry weather. Expecting catchments to respond quickly to rainfall and rivers to rise rapidly. Recorded 24hr rainfall total at Waiho River 400mm. Updated forecasts indicated up to 150-200mm more rain to fall in the ranges in Westland and 250-300mm in the ranges for Buller on top of current accumulations. Significant rainfall also forecast west of Motueka which may affect river levels in Buller Region An additional orange rain warning has been issued across the Rai Valley, Richmond and Bryant Ranges, and Nelson Lakes forecasting 200-300mm rain. This is in addition to the current orange warning for Tasman, west of Motueka. Westland DC EOC activated Buller DC EOC activated Buller District Council have declared a state of emergency as at 1435hrs Wednesday 2 February 2022. Buller EOC preparing evacuation plan for whole of Westport. NIWA briefing pre decision on enacting evacuation plan Tasman Civil Defence are stood up on a monitoring capacity and Tasman Journeys are actively monitoring the situation and are ready to respond Marlborough NOC monitoring the potential for heavy rain Friday/Saturday.</p>
Actions carried out since last Sit Rep	<p>Establish Waka Kotahi RERT Attended WDC EOC briefing 1730 hrs Attended WC CDEM briefing 0900 hrs – next WC CDEM briefing 1600hrs Thursday 3 February.</p>
Risks- to SH network only	<p>Road closures. Damage to SH infrastructure. Surface flooding, highway inundation, slips, washouts, debris in rivers causing damage to structures, bridge approach washouts, bridges overtopping due to river flows. Coastal inundation. Monitoring river flows at Wanganui River, Poerua River, Whataroa River and Waiho River. River levels are currently stable.</p>
Risk Management	<p>Precondition messaging via treis, social media, VMS signs Cyclic crews patrolling network, focusing on at risk locations/sections. Operations manager undertaking inspections in South Westland. Based in Haast overnight Civil contractors moved to Whataroa and Haast Civil and cyclic crews operating in isolation to manage omicron risk. Monitoring conditions approaching dark and will consider overnight closures as required.</p>
Predicted progression	<p>Next MetService briefing 1300hrs 3 February</p>

	<p><i>Expect impacts to SH to increase as weather system moves up the West Coast and rainfall accumulations increase.</i></p> <p><i>Latest forecast suggests increased risk of impact in Buller area through to Friday/ early Saturday and moving into Tasman and Marlborough Friday/Saturday – monitoring.</i></p>
Resources in place	Yes
Required resources	Nil

PART 2: DETAILED STATUS AND INTENDED ACTIONS

Land Transport System

Road	Region/Location	Impact and actions
West Coast NOC		
SH6	Makarora to Haast – Haast Pass	Surface Flooding Open – closed overnight due to surface flooding. Inspection complete, no significant damage identified.
SH6	Haast to Fox  Mahi Tahi @1800hrs 2/2/22  Venture Creek	Road Closed – Next update 6pm Inspections ongoing. Mahi Tahi River burst banks overnight inundating road. P Slip at Venture Creek (Knights Point area). Small gear on site clearing, 30t excavator and dump trucks on the way, eta 1pm. Reports of slips at Moeraki, need to clear slip at Venture Creek to allow access for further assessment of road section through to Fox. Preliminary information indicates road likely be closed overnight.
SH6	Fox to Franz – Fox Hills	Road Closed – Next update 6pm 1 x large slip, multiple small slips and blocked culverts. Excavators on site at large slip to clear.
SH6	Franz to Whataroa	Surface Flooding Monitoring Waiho River flood levels
SH6	Whataroa to HariHari – Mt Hercules	Surface Flooding Monitoring flood levels in Whataroa and Poerua rivers
SH6	Hari Hari to Hokitika	Surface Flooding Monitoring Wanganui River flood levels Monitoring Mikonui River flood levels.
SH6	Hokitika to Greymouth	
SH6	Greymouth to Westport – Coast Road	
SH6	Westport to Inangahua Junction – Lower Buller Gorge	Minor slips. Contractors on site clearing
SH6	Inangahua Junction to O’Sullivans Bridge – Upper Buller Gorge	
SH73	Kumara Junction to Arthurs Pass	
SH7	Greymouth to Reefton	
SH7	Reefton to Springs Junction	

SH7		Lewis Pass	
SH65		Springs Junction to O'Sullivan's Bridge	
SH67		Westport to Mohikanui 	Scour at Pine Straight, temporary repairs complete
Tasman NOC			
SH6		Rocks Road	Likely to close midday for a couple of hours due to high tides. Local detour available.
SH60		Takaka Hill	
SH6		Richmond Ranges near Murchison	
SH6		Blenheim – Nelson (Whangamoas)	

PART 3: DETAILED DISTRIBUTION LIST

s9(2)(a)	Name	Details

NZTA Highway Regional Emergency Situation Report			
Incident:	Severe Weather Event - West Coast and Upper South Island	Sit rep #	4
Date:	Thursday 3 February	Time:	1800hrs
Period covering:	1000 – 1800hrs Thursday 3 February 2022		
Prepared by:	s9(2)(a)		
Approved by:	s9(2)(a), Controller		
Next Sit Rep:	1100hrs Friday 4 February		

PART 1: SUMMARY	
Summary of incident	<p>MetService has issued an Red Alert severe weather warning for the period 1am Wednesday 2 February to 7pm Thursday 3 February, for Westland and Buller areas, <i>with potential to extend through to 3am Saturday 5 February for Buller</i>. Severe Thunderstorm watch issued for same areas – thunderstorm watch lifted.</p> <p>There is an orange heavy rain warning for Tasman, west of Motueka 41hrs from 10am Thursday – 3am Saturday 5 February. Expect 200 – 350mm rain to accumulate.</p> <p>There is an orange heavy rain warning for Rai Valley, Richmond and Bryant Ranges and Nelson Lakes.</p> <p>There is a heavy rain watch over the Canterbury Foothills from 3am Friday 4 February – 4am Saturday 5 February worth noting.</p>
Critical Information	<p>West Coast</p> <p>* Westland Forecast issues 10.38 3/2/2022</p> <p>Red warning remains in force. Potential to be reviewed down this evening.</p> <p>Rain is expected to continue from Thursday afternoon through to Friday night, with heavy falls on Friday and this warning is now extended. Between 5am and midnight Friday, expect another 150 – 250mm of rain to accumulate near the ranges about and north of Fox Glacier and 80 to 120mm near the coast. Peak intensities of 20 to 30mm about the ranges around Hokitika possible.</p> <p>* Buller Forecast issued 10.38 3/2/2022: for 10am Thursday to 1am Saturday</p> <p>Red warning remains in force.</p> <p>Rain has eased for a time this afternoon ahead of an extended period of heavy rain. Expect 250mm to 350mm of rain to accumulate about the ranges on top of what has already fallen and 120mm to 220mm near the coast. Peak intensities of 20 to 30mm/hr about the ranges. Heaviest rainfalls late morning through to mid-afternoon.</p> <p>Recorded 24hr rainfall total Haast area 500mm+, Whataroa 290mm, Westport 130mm (more in ranges)</p> <p>* Arthurs Pass</p> <p>Red alert. Between 180-210mm has already fallen, with an additional 30-50mm likely about and west of the summit through this afternoon. Peak rainfall rates are likely to reach 10-15mm/hr. Heavy rain returns early Friday, with 100-130mm likely between 2am Friday and 2am Saturday, especially about and east of the summit.</p> <p>All monitored river levels below first alarms and currently dropping.</p> <p>Fox township is isolated due to SH6 road closures on either side. This will remain at least overnight.</p> <p>Westland DC EOC stood down over night. Will be active during the day tomorrow.</p> <p>Buller DC EOC activated</p> <p>Buller District Council have declared a state of emergency as at 1435hrs Wednesday 2 February 2022.</p> <p>Buller EOC preparing evacuation plan for whole of Westport. Decision on evacuation still pending, to be reviewed again Friday am.</p> <p>Comms and power disruption to south Westland during the day – resolved.</p> <p>Tasman/Marlborough</p> <p>Rainfall has tracked as forecast for the Golden Bay Ranges, though Coastal Golden Bay has been experiencing higher rainfall than forecast. For the Richmond Ranges rain has come earlier than forecast and has been persistent for much of the day. Potential flood levels predicted for Richmond Range catchments (Maitai and Wairoa/Waimea) are around annual flood level.</p> <p>Timings for highest flood peaks in the larger rivers of the Richmond Range catchments would be for tomorrow (Friday) evening / overnight.</p> <p>Also with the long drawn out nature of the rainfall, and higher rainfall around Abel Tasman/Takaka Hill than expected, land slips and debris risk is also elevated.</p> <p>SH60 Takaka Hill currently has no issues, but crews will keep monitoring.</p>

	<p>SH6 between Nelson and Blenheim is closed due to overtopping at Graham Stream between the Whangamoas and Rai Saddle rest area. Reported slip on the Blenheim side as this of afternoon. Crews will continue to monitor to see if we have a window to open the road before tonight, but it is likely to stay closed with further intense rain coming and has potential to stay closed until Saturday afternoon.</p> <p>Tasman Civil Defence are monitoring but have not stood up yet.</p> <p>s9(2)(a) (Network Manager) is meeting with Marlborough Hydrologists tomorrow @ 11am to assess further risks.</p> <p>Monitoring the SH63 Wash Bridge, as the diversion route for the current SH6 closure.</p> <p>Marlborough are working with Tasman across SH6 managing the current road closure.</p> <p>Monitoring SH6 Rocks Road for next high tide tonight, but this is not expected to cause any issues but ready to respond to a short closure around high tide if needed.</p> <p>Concerns are rising over the Marlborough Sounds as recovery works are ongoing and this remains a very fragile network. Focus is on the Waihopai Bailey Bridge recently installed, and whether it can hold up to rising river levels. Crews continue to monitor.</p>
Actions carried out since last Sit Rep	<p>Extended Waka Kotahi RERT to Tasman and Marlborough.</p> <p>Attended WC CDEM briefing 1600 hrs – next WC CDEM briefing 1000 hrs Friday 4 February.</p> <p>Continued regular communications</p>
Risks- to SH network only	<p>Road closures. Damage to SH infrastructure.</p> <p>Surface flooding, highway inundation, slips, washouts, debris in rivers causing damage to structures, bridge approach washouts, bridges overtopping due to river flows. Coastal inundation.</p>
Risk Management	<p>Precondition messaging via treis, social media, VMS signs</p> <p>Cyclic crews patrolling network, focusing on at risk locations/sections.</p> <p>Operations manager undertaking inspections in South Westland. Based in Haast overnight</p> <p>Civil contractors moved to Whataroa and Haast</p> <p>Civil and cyclic crews operating in isolation to manage omicron risk.</p> <p>Monitoring conditions approaching dark and will consider overnight closures as required.</p> <p>Cross NOC communication and collaboration between Tasman and Marlborough</p> <p>Waitangi Weekend is approaching, targeted comms around regions currently affected by weather.</p> <p>s9(2)(a) (System Manager) reaching out to Canterbury teams regarding current foothills warnings to understand that risk. (Currently under a watch.)</p> <p>WTOC monitoring weather watch for lower North Island.</p>
Predicted progression	<p>Expect impacts to SH to increase as weather system moves up the West Coast and rainfall accumulations increase.</p> <p>Latest forecast suggests increased risk of impact in Buller area through to Friday afternoon and moving into Tasman and Marlborough Friday/Saturday – monitoring.</p> <p>Expect further road closures Friday into Saturday.</p>
Resources in place	Yes
Required resources	Nil

PART 2: DETAILED STATUS AND INTENDED ACTIONS

Land Transport System

Road	Region/Location	Impact and actions
West Coast NOC		
SH6	Makarora to Haast – Haast Pass	<p>Surface Flooding Open – closed overnight due to surface flooding. Inspection complete, significant slumping developing at Nissens Bluff.</p>
SH6	<p>Haast to Fox</p>  <p>Mahi Tahi @1800hrs 2/2/22</p>  <p>Venture Creek</p>  <p>Epitaph Moeraki</p>	<p>Road Closed – Next update Friday 4pm Inspections ongoing. Mahi Tahi River burst banks overnight inundating road. Not yet inspected due to access issues. Slip at Venture Creek (Knights Point area). Small gear on site clearing, 30t excavator and dump trucks on the way, eta 1pm. Slip at Moeraki Loss of shoulder and cracking at Epitaph. Geotech inspection scheduled Friday am. Slip south of Mahi Tahi, awaiting access to assess. Road inundated at Jacobs River.</p> <p>Damage assessment and clean-up all pending impacts from rain forecast to occur over night</p>
		<p>Note: road closure covering Franz to Haast encompasses Fox township, meaning that the community there is isolated. Work is underway to provide</p>

			access as quickly as possible. Convoys will be considered tomorrow if opening will not be likely on Friday.
SH6		Fox to Franz – Fox Hills 	Road Closed – Next update Friday 4pm 1 x washout and underslip confirmed, multiple small slips and blocked culverts. Excavators on site at large slip to clear. Mobilised heavy machinery for rock work to reinstate underslips. Fox Hills gates closed overnight and will be manned overnight.
SH6		Franz to Whataroa	
SH6		Whataroa to HariHari – Mt Hercules	
SH6		Hari Hari to Hokitika	
SH6		Hokitika to Greymouth	
SH6		Greymouth to Westport – Coast Road	
SH6		Westport to Inangahua Junction – Lower Buller Gorge	Minor slips. Contractors on site clearing
SH6		Inangahua Junction to O’Sullivans Bridge – Upper Buller Gorge	
SH73		Kumara Junction to Arthurs Pass	
SH7		Greymouth to Reefton	
SH7		Reefton to Springs Junction	
SH7		Lewis Pass	
SH65		Springs Junction to O’Sullivans Bridge	
SH67		Westport to Mohikanui  Waimangaroa Bridge	Scour at Pine Straight, temporary repairs complete. Waimangaroa Bridge: Exposed piles during underpinning work - monitoring
Tasman NOC			
SH6		Rocks Road	Closed for a couple of hours at midday (high tide) now open.
SH60		Takaka Hill	
SH6 / 65		Richmond Ranges near Murchison	
SH6		Blenheim – Nelson (Whangamoas)	Closed between Rai Valley and Hira, potential to be closed until Saturday afternoon due to ongoing and intensifying rain. Slip reported on the Blenheim side.

PART 3: DETAILED DISTRIBUTION LIST

s9(2)(a)	Name	Details

SITUATION REPORT



WEST COAST
EMERGENCY MANAGEMENT

GROUP

Incident/Event	February 2022 severe weather event	EOC Location	Greymouth	SITREP Number	#3
Date	03/02/2022	Time	0500		
Author	s9(2)(a)	Contact Details	s9(2)(a)	Planning Desk	

EMERGENCY RESPONSE STATUS

Level 1: Alert <input type="checkbox"/>	Level 2: Activation <input type="checkbox"/>	Level 3: Local Declaration <input type="checkbox"/>	Level 4: Group Declaration <input type="checkbox"/>	Level 5: Nat Declaration <input type="checkbox"/>
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EOC CONTACTS

Radio VHF Ch.	Telephone	Email	Satellite Phone
		Planning@greymouthemergen cymangement.nz	Sat:
Primary method of comms:		Systems at Risk:	

SITUATION OVERVIEW

Cause of emergency, geographic location, main impacts/consequences (succinct statement), escalating/de-escalating

Extent or area affected – include map

A red rain warning has been issued for the West Coast also a strong wind warning has been issued for the mountain areas. Event is likely to have highest peak rainfalls in the Westland District but later and more prolonged rainfall in the Buller District. Main impacts are surface flooding, slips and evacuations in known flood risk areas. Rainfall currently heaviest in Westland. Little rainfall currently being experienced in Grey and Buller areas. Situation is currently escalating.

Currently at Covid red level and restrictions apply.

16:00 briefing

Westlands received over 300mm to present, expected up to another 300-400 mm up to midday tomorrow. This will be high intensity rain fall.

Buller up to 150 mm so far expected up to a further 300mls tomorrow and could last through to Friday

Waiho and Wanganui Rivers are of concern and will be watched.

Buller region has declared a state of emergency.

Waiho River

Continued monitoring by WCRC hydrology and engineering staff. Trigger point for possible evacuation considerations 8.3 metres. As of 0300hrs 7.5m and dropping.

Evacuation plans remain in place.

Arrangements in place for the Rain Forest Retreat to receive any evacuated people. The Rain Forest Retreat is pet friendly so evacuated pets can accompany their owners

River levels being monitored – no significant increases to report at present. WCRC Operations are undertaking full observations on the Waiho and Wanganui rivers but plan to re-deploy their engineering staff to Westport as soon as they are able to – ETA midday 3rd Feb.

Logistics – Evac Centres in Seddonville, Ngakawau, Sergeants Hill, Waimangaroa are ready to go and arrangements are being finalising arrangements to enable evac centres to be opened at Holcim, Carters Beach, Charleston, Lyric Theatre, Granity Fire Station. Two buses and two uni-mogs have been confirmed for transport if needed.

Catering for the EOC and response teams starts Thursday morning.

PIM – Increasing Media attention including enquiries from TVNZ. Evacuation comms will be a priority tomorrow. Emergency Mobile Alerts will be issued if mandatory evacuations are required.

Ops – Lots of requests for sandbagging. Sandbag shipment being sent from Hokitika to PERC centres and bridge locations. Approx. 12,000 bags have been received the The Red Barn. Some reports of surface flooding being already close to July levels – Domett Street.

Welfare – Only 13 calls so far but high levels of anxiety being experienced particularly by those affected by the July 2021 floods. An Animal Welfare Centre has been set up at Pamu farms at Cape Foulwind – details are unclear at present however Welfare will direct people to the right place if needed.

PEOPLE ASSESSMENT

Sector	Displaced	Missing	Fatalities	Injured
Buller				
O'Connor House				
Nolan Road (South of Okuru River Bridge)	10			

DISPLACED

Evacuees, e.g. Welfare Accommodation, where, estimated time before re-occupation is possible
Note: Table information is appropriate

- Buller area is encouraging self-evacuation in known flood locations and people have been known to have done so and have sorted own accommodation on higher ground.

An evacuation plan for central Westport has been prepared, evacuation will be recommended to friends and family outside evacuation area, or towards Greymouth.

Regular communication with communities further afield than Buller.

GDC in monitoring mode.

10 people from Nolans Road, Okuru have moved from their houses to a house on higher ground. At this stage they do not need further assistance. Can be contacted on radio channel 62.

Evac sites being prepped-Community requests for confirmation. Potential for mandatory evacuations is increasing – particularly in Westport but also low lying coastal areas.

PEOPLES CRITICAL NEEDS

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Dementia patients are being looked after by Buller Health.
Mental health staff on site in Westport to help with anxiety from July flood event that is still being recovered from. Mental Health have sent extra support with Red Cross, working with the D.H.B.

TAS has made 10 campervans available for temp accommodation if needed. Pamu Farms at Cape Foulwind has advised they may be able to take some self-contained vehicles/people

COMMUNITY INFRASTRUCTURE NEEDS

Hospitals and medical centres

Status of these facilities, what impacts or consequences are occurring, are they managing

All hospitals operational.
Medical centres operating as normal.

EMO's from Otago have established an ICP at the Franz Medical Centre to act as direct liaison into EOC. This is running on generator

Contact being made regarding evac plans including lists of vulnerable people requiring continuous power advised to Buller Electricity

Rest homes

Status of these facilities, what impacts or consequences are occurring, are they managing

Ultimate care Allan Bryant Care Facility has checked and serviced their back up power generator, they continue to monitor the situation.
Seaview care facility has arranged an alternate facility should any evacuations be required.

O'Connor Home was successfully and fully evacuated on Wednesday 2nd Feb

Education Institutions

Have schools closed etc

South Westland Area School has closed for the next two days as a precaution.
All Buller schools will be closed Thursday and Friday.

Community Infrastructure Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Buller - Identifying and confirming appropriate locations for evacuation points in Buller (Waimangaroa Hall, Pamu farms, Holcim site, Sergeants Hill hall, Granity (Lyric) Theatre and Ngakawau Hall, Carters Beach Hall, Millerton Hall, Charleston Hall.) Portaloos from the Peel Street yard and Warren French's site on the corner of McPadden and Alma Roads to Holcim evac site Procurement of sandbags, sand and locations for the public to 'fill their own'; 20,00 bags due later today. Two sites set up for filling - PERC centre and domain near Kawatiri Cycle Trail. Recommendation from s9(2)(a) about sandbagging the railway embankment - using the NZDF when they arrive - keeping approximately 100-200 sandbags behind - barriers coming from Christchurch to aid in this as well. 60 sandbags have been organised to be delivered to Buller Health Centre on Cobden Street - Contact s9(2)(a), NZRT to distribute. DOC labour to help with distribution and filling of sandbags Pre-emptive evacuation measures in daylight will be encouraged (not mandated as yet) where possible; Acknowledgement was given to the current fragile state of mental health of July Flood victims with s9(2)(a) (Airport) s9(2)(a) s9(2)(a); A potential challenge is that the flooding may be far more widespread from this event - including Reefton, Inangahua, and Northern Buller. Volunteer centre set up at White star clubrooms Flood barriers being loaned to Buller for flood protection from Hydro Response.

- Portable showers needed at Holcim Site
- Planning has obtained details of what each proposed evacuation centre has in terms of facilities and supplies. This has been provided to logistics and operations.

PROPERTY STATUS

Residential Housing

Numbers and locations of seriously damaged and condemned

Houses on Nolans Road, Okuru have experienced flooding.

Commercial Property

Numbers and locations of seriously damaged and condemned, estimated time of closure

Currently none reported.

Housing and Property Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

None currently identified.

Sandbags available around Hokitika for public use.

D.O.C. are sandbagging in the Westport Area.

Arahaura Marae is available for displaced people.

Westland – further assessment required n daylight for affected areas

TRANSPORT INFRASTRUCTURE NEEDS

Road Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate – Local roads and State Highway

Surface flooding to state highway 6 south of Hokitika and at Franz Josef. NZTA have issued a slow down notice. Arahura road is closed due to flooding between German Road and Humphries Valley Road.

All Buller roads open with maintenance staff arranged for regular inspections and updates.

Considerable surface flooding between Ross and Haast on State Highway

Closure on Witcombe Valley Road heading to Hokitika Gorge (DOC has closed the Hokitika Gorge track)

- Poerua Valley Road – Road closed towards far end due to wash out
- Peterson Road – Closed flooding
- Robertson Road – Flooding
- Wanganui Flat Road – Small amount surface flooding
- Waitangi Falls Road – Flooding
- SH 3km North of Fox down to one lane overnight

-State Highway 6 closed between Makarora and Fox Glacier (NZTA)

-Caution advised between Fox Glacier and Hokitika (NZTA)

-Grimmond Ave has been cleared.

Buller

Email from Westreef Roading Manager at 18:00hrs stating that:

- The network is green with no known trafficability issues.
- A check of the route to Karamea is planned for early tomorrow.
- Karamea and Reefton have less rain at this time.

Airport Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

All airports currently operational

Westport airport taking precautions with DoC staff sandbagging area.

Port Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate – status of the bar

All ports currently operational

Rail Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

All rail currently operational

18:00 hours 2 February the Midline is closed until further notice will not be open until inspections are carried out after the weather event has passed.

Transport Infrastructure Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

None currently identified.

Lifeline Utility Status

Electricity

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

BDC generators delivered to Holcim evacuation site as a backup

All fully functional

Telecommunications

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

No damage currently identified

Protection needs raised by Chorus in regard to main exchange in Westport.

Water

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

No damage currently identified.

Waste Water

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

No damage currently identified.

Petroleum

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

No damage currently identified.

Lifeline Utility Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Environmental Status

Waste and pollution

Debris, garbage and spills, issues with large scale removal and processing of

None currently identified.

Farming community and agriculture

Extent of impact on the farming community and response taken

Liaison in place.

In Buller warnings have gone out to move stock to higher ground. Updates on radio by Controller or mayor. Animal welfare set up with HUHA and PAMU. All animals able to be taken. MPI confirmed contacted all previously affected farmers.

Temporary animal shelter available in Buller region for any displaced animals.

Environmental Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

None identified.

Recovery Status

Summary

List any activity that has occurred or needs to occur. Has a Local Recovery Manager been appointed?

Planning

Plans

Summary of Response Coordination Plan (briefing times, deadlines, key EOC activities)

Buller:

Developing plan to evacuate residents in low lying areas to evacuation centres.

Move essential services to the Evac centres when identified.

Need to consider further evacuation sites and capacity and resources for evacuations if actioned.

Consideration for evacuation transport, traffic management etc

Holcim site has 13 portaloos and one large generator. Need to be moved onto site.

Seargents Hill Hall and s9(2)(a) shed for overflow with 6 portaloos and one medium sized generator. Need to be moved to site.

Westland Controller issued a voluntary evacuation order for the South side of the Waiho River at 21:15 hours.

Buller:

Developing a plan to evacuate all Westport residents and those in other low lying areas to evacuation centres by 20:00 hours Thursday 3rd February.

Potential Issues

Factors that may affect the response/recovery positively or negatively

Buller region still dealing with recovery from the July 2021 flooding. Accommodation is in short supply and mental health issues possible with multiple events in short timeframe.

Current COVID Red Traffic Light alert needs to be considered during all activities and plans.

Hazards and Warnings

Include information on the hazard, such as the latest MetService warnings/information etc

MetService has indicated that current warnings stand and it is predicted that rainfall will be as previously modelled i.e. intense but shorted in Westland, less intense but more prolonged in Buller.

Anticipated Situation Development

How is the event anticipated to evolve

Anticipated that as rivers rise, flooding may occur in some areas. May require further evacuations. Slips are likely to occur on roads and potential to damage infrastructure. May require roading detours/closures and/or rail closures.

Westland – rain fall is as predicted with rivers stabilizing as the front transits north

As per the Heavy Rain warning forecast conditions are expected to worsen Thursday and Friday in the Buller region with further rain likely overnight Friday and Saturday morning.

Priority Actions

List the key priorities for the management of the response over the next 24 hours or period as set by the Local/Group Controller

Plan for further evacuations and road closures.

Continued monitoring of river levels, weather forecast and flood modelling. Evacuation plans and communication on these with at risk communities.

The next SITREP will be issued at

Date	03/02/2022	Time	12:00
Controller Name	s9(2)(a)	Signature	s9(2)(a)

Appendix 1:

[Add appendices here for items such as maps]

NZTA Highway Regional Emergency Situation Report			
Incident:	Severe Weather Event - West Coast and Upper South Island	Sit rep #	5
Date:	Friday 4 February 2022	Time:	1130hrs
Period covering:	1700 hours Thursday 3 February – 1130 hours 4 Thursday February		
Prepared by:	s9(2)(a)		
Approved by:	s9(2)(a), Controller		
Next Sit Rep:	1730hrs Friday 4 February		

PART 1: SUMMARY	
Summary of incident	<p><i>A red warning remains in place for Buller and Westland, and orange warnings are in place West of Tasman (Golden Bay) and over Rai Valley, Richmond and Bryant Ranges and Nelson Lakes. There is a heavy rain watch over the Canterbury Foothills from 3am Friday 4 February – 4am Saturday 5 February worth noting. State Highway closures have impacted communities and some critical links in the West and Upper South Island. There is an orange warning for Wellington/Manawatu for heavy rain.</i></p>
Critical Information	<p>West Coast <i>(mention isolated communities)</i> Red warning remains in force until Saturday. A State of Emergency is in place in Buller, national emergency mgt resource and defence force assistance is in place. Mandatory evacuations have been ordered for parts of Westport, to a local location. Next 24 hours critical for Westport due to the weather forecast. Westland DC EOC stood down over night. Will be active during the day tomorrow. West Coast Civil Defence agencies remain active. Reports in from our crews monitoring Westport, the rivers are high but not currently in flood. Optimistic at this stage the impact may not be as forecast but note that heavy rain is falling. SH67 Westport to Mokihinui is now open. From Mokihinui to Karamea is Buller District road, and there remains concern of the storm damage to this section of road. Crew continue to work towards opening sections of SH6 between Haast and Franz by the end of the day – an update will be provided by 4pm. This is except for SH6 Fox to Bruce Bay as crews haven't been able to get into assess but are shortly. Geotechs continue assessments of sites in conjunction with our storm clearance activities. Aim is for crews to get the roads open under traffic management today, monitor over the weekends and rest the crews over the weekend</p> <p>Action Plan for next 12-24 hours Road crews will be stood down for rest once open/closed roads confirmed. TTM and patrols will remain to monitor situation. Full reinstatement of damaged roads will begin on 8 February.</p> <p>Tasman/Marlborough Tasman and Marlborough Civil Defence are monitoring the situation and currently have not stood up. Rainfall has eased off at present, but the next band is due through this afternoon and overnight. SH6 remains closed between Blenheim and Nelson, with a detour via SH63 which we remain actively monitoring but is holding up well. There is edge erosions,,forestry slash and slips between Nelson and Rai Valley and a drop out. Expecting the road to remain closed most of the day but working for a 5pm opening for a few hours potentially but may have to close overnight due to the heavy rain still forecast. This will be assessed as the day progresses and messaged appropriately. SH60 Takaka Hill – holding up ok. Remain watching brief on SH6 Rocks Road but no issues at moment Crews are mobilised monitoring the Marlborough Sounds, but concerns have eased for the Waihopai at this stage but note further rain is yet to come and the network remains fragile.</p> <p>Canterbury North Canterbury team is ready to respond as the rain heads down into the main divide, river levels being monitored and the Kaikoura Coast for Sunday into Monday. No significant risks at this stage.</p> <p>Wellington/Manawatu MetService briefing has occurred and rain is forecast to be intense from 4am – 7am Saturday and then continuous rain for three days. Tomorrow a decision will be made whether to stand up an</p>

	<i>RTRT. Pukerua Bay site of recent slips remain fragile and across the whole Kapiti Coast Road. Weather could also affect the alternative route over the Paekakariki Hill. A watching brief in play over the Manawatu area.</i>
Actions carried out since last Sit Rep	<i>CDEM briefing in West Coast and Tasman. Media and Customer enquiries around road closures. (increasing as further roads close)</i>
Risks- to SH network only	<i>Road closures. Damage to SH infrastructure. Surface flooding, highway inundation, slips, washouts, debris in rivers causing damage to structures, bridge approach washouts, bridges overtopping due to river flows. Coastal inundation. Prolonged closures over the holiday weekend impacting travel and businesses.</i>
Risk Management	<i>Real time messaging via social media, website, media and on road signage. Cyclic crews patrolling network, focusing on at risk locations/sections. Contractors in places currently isolated. Civil and cyclic crews operating in isolation to manage omicron risk. Cross NOC communication and collaboration between Tasman and Marlborough. Continued targeted comms around regions currently affected by weather.</i>
Predicted progression	<i>Expect impacts to SH to increase as weather system moves up the West Coast and rainfall accumulations increase. Latest forecast suggests increased risk of impact in Buller area through to Friday afternoon and moving into Tasman and Marlborough Friday/Saturday – monitoring. Expect further road closures Friday into Saturday.</i>
Resources in place	Yes
Required resources	Nil

PART 2: DETAILED STATUS AND INTENDED ACTIONS			
Land Transport System			
Road		Region/Location	Impact and actions
West Coast NOC			
SH6		Makarora to Haast – Haast Pass	Open – closed overnight due to surface flooding. Inspection complete, significant slumping developing at Nissens Bluff.
SH6		Haast to Fox Mahi Tahī @1800hrs 2/2/22 Venture Creek Epitaph Moeraki	Road Closed – Next update Friday 4pm Inspections ongoing. Mahi Tahī River burst banks overnight inundating road. Not yet inspected due to access issues. Geotech inspection completed at Epitaph, monitoring to continue may stay closed overnight some regression of the scrap face but remains stable. Update by 4pm.
			Note: road closure covering Franz to Haast encompasses Fox township, meaning that the community there is isolated. Work is underway to provide access as quickly as possible. Convoys

			will be considered tomorrow if opening will not be likely on Friday.
SH6		Fox to Franz – Fox Hills 	Road Closed – Next update Friday 4pm Clean up continues, slips, trees. Update 4pm – confident may open.
SH6		Westport to Inangahua Junction – Lower Buller Gorge	Minor slips. Contractors on site clearing
SH67		Westport to Mohikanui	Open under single lane.
Tasman NOC			
SH6		Rocks Road	Watching brief
SH60		Takaka Hill	Open
SH6 / 65		Richmond Ranges near Murchison	Open
SH6		Blenheim – Nelson (Whangamoas)	Closed between Rai Valley and Hira, water across the road, scour debris, slips and drop out.

PART 3: DETAILED DISTRIBUTION LIST

s9(2)(a)	Name	Details

NZTA Highway Regional Emergency Situation Report			
Incident:	Severe Weather Event - West Coast and Upper South Island	Sit rep #	5
Date:	Friday 4 February 2022	Time:	1130hrs
Period covering:	1100 Friday 4 February – 1700 hours Friday 4 February		
Prepared by:	s9(2)(a)		
Approved by:	s9(2)(a), Controller		
Next Sit Rep:	10am Saturday 5 February		

PART 1: SUMMARY	
Summary of incident	<p>A red warning remains in place for Buller and Westland, and orange warnings are in place West of Tasman (Golden Bay) and over Rai Valley, Richmond and Bryant Ranges and Nelson Lakes. There is a heavy rain watch over the Canterbury Foothills from 3am Friday 4 February – 4am Saturday 5 February worth noting.</p> <p>State Highway closures have impacted communities and some critical links in the West and Upper South Island.</p> <p>There is an orange warning for Wellington/Manawatu for heavy rain.</p>
Critical Information	<p>West Coast</p> <p>Red warning remains in force until Saturday.</p> <p>A State of Emergency is in place in Buller, national emergency mgt resource and defence force assistance is in place.</p> <p>Mandatory evacuations have been ordered for parts of Westport, to a local location.</p> <p>Next 24 hours critical for Westport due to the weather forecast.</p> <p>Westland DC EOC stood down over night. Will be active during the day tomorrow.</p> <p>West Coast Civil Defence agencies remain active.</p> <p>Reports in from our crews monitoring Westport, the rivers are high but not currently in flood. Optimistic at this stage the impact may not be as forecast but note that heavy rain is falling.</p> <p>SH67 Westport to Mokihinui has closed again due to the same slip coming back down, next update 10am tomorrow.</p> <p>Good progress has been made on SH6 between Franz Josef and Haast today, with several large slips and areas of debris and flooding cleared. The road between Franz Josef and Fox Glacier will reopen at 6.00pm today. The remaining section between Fox Glacier and Haast township will remain closed overnight and first thing tomorrow morning whilst work continues. An update on this length will be provided at 10.00am tomorrow (Saturday).</p> <p>There is localised flooding on SH7 at Dobson (10km from Greymouth) which has closed the road. A detour is available using Taylorville Road – note this route is not available to HPMV traffic. Motorists are reminded that care is required on all roads, particularly during the hours of darkness, due to surface flooding and the possibility of fresh slips and debris across the road</p> <p>Geotechs continue assessments of sites in conjunction with our storm clearance activities.</p> <p>Aim is for crews to get the roads open under traffic management today where possible, monitor over the weekends and rest the crews over the weekend</p> <p>Action Plan for next 12-24 hours</p> <p>Road crews will be stood down for rest once open/closed roads confirmed. TTM and patrols will remain to monitor situation. Full reinstatement of damaged roads will begin on 8 February.</p> <p>Tasman/Marlborough</p> <p>Tasman and Marlborough Civil Defence are monitoring the situation and currently have not stood up.</p> <p>Heavy rain has returned and expected to continue overnight at similar rates to last night.</p> <p>SH6 remains closed between Blenheim and Nelson overnight with next update by 10am, crews have made good progress and if there is no damage with the heavy rain overnight it should open quickly in the morning.</p> <p>Detour via SH63 remains monitored at key sites from the last July storm.</p> <p>SH60 Takaka Hill – crews will monitor overnight. Keeping an eye on SH60 Birds Hill, nth of Takaka township, historical slip site.</p> <p>Remain watching brief on SH6 Rocks Road</p> <p>The Marlborough Sounds has had</p> <p>300-350mm of rain and we are starting to see some deterioration of the network, a slip north of Okiwi Bay. Still expect a further approx 250mm of rain tonight in this area so crews are monitoring.</p> <p>Andrew James was interviewed on TVNZ for 6pm tonight.</p> <p>Canterbury</p>

	<p>North Canterbury NOC patrols in place as the rain heads down into the main divide, river levels being monitored and the Kaikoura Coast for Sunday into Monday. No significant risks at this stage</p> <p>Wellington/Manawatu MetService briefing has occurred and rain is forecast to be intense from 4am – 7am Saturday and then continuous rain for three days. Tomorrow a decision will be made whether to stand up an RTRT. Pukerua Bay site of recent slips remain fragile and across the whole Kapiti Coast Road. Weather could also affect the alternative route over the Paekakariki Hill. A watching brief in play over the Manawatu area. Additional MetService Briefing has occurred. WREMO has not stood up but are prepared as everyone awaits the rain tomorrow.</p>
Actions carried out since last Sit Rep	<p>CDEM briefing in West Coast and Tasman. Media and Customer enquiries around road closures.</p>
Risks- to SH network only	<p>Road closures. Damage to SH infrastructure. Surface flooding, highway inundation, slips, washouts, debris in rivers causing damage to structures, bridge approach washouts, bridges overtopping due to river flows. Coastal inundation. Prolonged closures over the holiday weekend impacting travel and businesses.</p>
Risk Management	<p>Real time messaging via social media, website, media and on road signage. Cyclic crews patrolling network, focusing on at risk locations/sections. Contractors in places currently isolated. Civil and cyclic crews operating in isolation to manage omicron risk. Cross NOC communication and collaboration between Tasman and Marlborough Continued targeted comms around regions currently affected by weather.</p>
Predicted progression	<p>Heavy rain in Tasman/Marlborough overnight Rain starting to ease in parts of the West Coast Should open all roads by tomorrow unless further damage overnight.</p>
Resources in place	Yes
Required resources	Nil

PART 2: DETAILED STATUS AND INTENDED ACTIONS			
Land Transport System			
Road		Region/Location	Impact and actions
West Coast NOC			
SH6		Makarora to Haast – Haast Pass	Open – closed overnight due to surface flooding. Inspection complete, significant slumping developing at Nissens Bluff.
SH6		Haast to Fox	Road Closed – Next update 10 Saturday Inspections ongoing. Geotech inspection completed at Epitaph, monitoring to continue may stay closed overnight some regression of the scrap face but remains stable.

SH6		Fox to Franz – Fox Hills 	Road expected to open by 6pm
SH6		Westport to Inangahua Junction – Lower Buller Gorge	Minor slips. Contractors on site clearing Surface flooding
SH67		Westport to Mohikanui	Closed after slip reactivated. Next update 10am Sat.
SH7		Reefton to Greymouth	Closed due to flooding in Dobson local detour available next update 10am.
SH73		Arthurs Pass to Kumara	Surface Flooding
Tasman NOC			
SH6		Rocks Road	Watching brief
SH60		Takaka Hill	Continue to monitor
SH6 / 65		Richmond Ranges near Murchison	No issues
SH6		Blenheim – Nelson (Whangamoas)	Closed between Rai Valley and Hira, water across the road, scour debris, slips and drop out. Next update 10am Saturday.

PART 3: DETAILED DISTRIBUTION LIST

s9(2)(a)	Name	Details

SITUATION REPORT



WEST COAST
EMERGENCY MANAGEMENT

GROUP

Incident/Event	February 2022 severe weather event	EOC Location	Greymouth	SITREP Number	#4
Date	03/02/2022	Time	1400hrs		
Author	s9(2)(a)	Contact Details	s9(2)(a)	Planning Desk	

EMERGENCY RESPONSE STATUS

Level 1: Alert <input type="checkbox"/>	Level 2: Activation <input type="checkbox"/>	Level 3: Local Declaration <input type="checkbox"/>	Level 4: Group Declaration <input type="checkbox"/>	Level 5: Nat Declaration <input type="checkbox"/>
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EOC CONTACTS

Radio VHF Ch.	Telephone	Email	Satellite Phone
		Planning@greymouthemercymanagement.nz	Sat:
Primary method of comms:		Systems at Risk:	

SITUATION OVERVIEW

Cause of emergency, geographic location, main impacts/consequences (succinct statement), escalating/de-escalating

Extent or area affected – include map

A red rain warning has been issued for the West Coast also a strong wind warning has been issued for the mountain areas. Event is likely to have highest peak rainfalls in the Westland District but later and more prolonged rainfall in the Buller District. Main impacts are surface flooding, slips and evacuations in known flood risk areas. Rainfall currently heaviest in Westland. Little rainfall currently being experienced in Grey and Buller areas. Situation is currently escalating.

Currently at Covid red level and restrictions apply.

16:00 briefing

Westlands received over 300mm to present, expected up to another 300-400 mm up to midday tomorrow. This will be high intensity rain fall.

Buller up to 150 mm so far expected up to a further 300mls tomorrow and could last through to Friday

Waiho and Wanganui Rivers are of concern and will be watched.

Buller region has declared a state of emergency.

Waiho River

Continued monitoring by WCRC hydrology and engineering staff. Trigger point for possible evacuation considerations 8.3 metres. As of 0300hrs 7.5m and dropping.

Evacuation plans remain in place.

Arrangements in place for the Rain Forest Retreat to receive any evacuated people. The Rain Forest Retreat is pet friendly so evacuated pets can accompany their owners

River levels being monitored – no significant increases to report at present. WCRC Operations are undertaking full observations on the Waiho and Wanganui rivers but plan to re-deploy their engineering staff to Westport as soon as they are able to – ETA midday 3rd Feb.

Logistics – Evac Centres in Seddonville, Ngakawau, Sergeants Hill, Waimangaroa are ready to go and arrangements are being finalising arrangements to enable evac centres to be opened at Holcim, Carter Beach, Charleston, Lyric Theatre, Granity Fire Station. Two buses and two uni-mogs have been confirmed for transport if needed.

Catering for the EOC and response teams starts Thursday morning.

PIM – Increasing Media attention including enquiries from TVNZ. Evacuation comms will be a priority tomorrow. Emergency Mobile Alerts will be issued if mandatory evacuations are required.

Ops – Lots of requests for sandbagging. Sandbag shipment being sent from Hokitika to PERC centres and bridge locations. Approx. 12,000 bags have been received the The Red Barn. Some reports of surface flooding being already close to July levels – Domett Street.

Welfare – Only 13 calls so far but high levels of anxiety being experienced particularly by those affected by the July 2021 floods. An Animal Welfare Centre has been set up at Pamu farms at Cape Foulwind – details are unclear at present however Welfare will direct people to the right place if needed.

Westland rain will ease from midday maybe one further heavy event from 0300hrs Friday, deciding whether to ease alert level from Red to Orange.

Buller still significant amount of rain fall to come 250-350mm in ranges, red warning to remain in place to at least 0100 hrs on Saturday.

Greymouth business as usual.

Potential issues for Marlborough, Tasman and Canterbury headwaters for flooding.

All rivers currently below alarm levels.

Sandbags will be retained in Hokitika until tomorrow and then removed.

PEOPLE ASSESSMENT

Sector	Displaced	Missing	Fatalities	Injured
Buller				
O'Connor House				
Nolan Road (South of Okuru River Bridge)	10			

DISPLACED

Evacuees, e.g. Welfare Accommodation, where, estimated time before re-occupation is possible

Note: Table information is appropriate

- Buller area is encouraging self-evacuation in known flood locations and people have been known to have done so and have sorted own accommodation on higher ground.

An evacuation plan for central Westport has been prepared, evacuation will be recommended to friends and family outside evacuation area, or towards Greymouth.

Regular communication with communities further afield than Buller.

GDC in monitoring mode.

10 people from Nolans Road, Okuru have moved from their houses to a house on higher ground. At this stage they do not need further assistance. Can be contacted on radio channel 62.

Evac sites being prepped-Community requests for confirmation. Potential for mandatory evacuations is increasing – particularly in Westport but also low lying coastal areas.

People who were advised to self-evacuate from South Side of Waiho River, residents chose to remain in place.

At this stage Westport will not be mandatory evacuated today, unless weather changes next call tomorrow, self-evacuation will be encouraged via social media.

Westland two houses have been inundated (Nolands Road, Okuru). Residents are staying locally, building inspections are being organised.

Buller 0700hrs voluntary evacuation.
O'Connor home residents have all been evacuated.

s9(2)(a) from Makaawhio has seen footage of Jacobs River breaking banks, will follow up with people in area.

PEOPLES CRITICAL NEEDS

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Dementia patients are being looked after by Buller Health.
Mental health staff on site in Westport to help with anxiety from July flood event that is still being recovered from. Mental Health have sent extra support with Red Cross, working with the D.H.B.

TAS has made 10 campervans available for temp accommodation if needed. Pamu Farms at Cape Foulwind has advised they may be able to take some self-contained vehicles/people

Setting up and staffing of evacuation centres in Buller Region, and potential for people to head to Greymouth.

Maybe evacuation centres being organized in Greymouth.

Westland EOC 111 calls not working in Hari Hari South

COMMUNITY INFRASTRUCTURE NEEDS

Hospitals and medical centres

Status of these facilities, what impacts or consequences are occurring, are they managing

All hospitals operational.

Medical centres operating as normal.

EMO's from Otago have established an ICP at the Franz Medical Centre to act as direct liaison into EOC. This is running on generator

Contact being made regarding evac plans including lists of vulnerable people requiring continuous power advised to Buller Electricity

Rest homes

Status of these facilities, what impacts or consequences are occurring, are they managing

Ultimate care Allan Bryant Care Facility has checked and serviced their back up power generator, they continue to monitor the situation.

Seaview care facility has arranged an alternate facility should any evacuations be required.

O'Connor Home was successfully and fully evacuated on Wednesday 2nd Feb

Education Institutions

Have schools closed etc

South Westland Area School has closed for the next two days as a precaution.

All Buller schools will be closed Thursday and Friday.

South Westland Area school and Haast School have closed for the day as a precaution.

Community Infrastructure Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Buller - Identifying and confirming appropriate locations for evacuation points in Buller (Waimangaroa Hall, Pamu farms, Holcim site, Sergeants Hill hall, Granity (Lyric) Theatre and Ngakawau Hall, Carters Beach Hall, Millerton Hall, Charleston Hall,) Portaloos from the Peel Street yard and Warren French's site on the corner of McPadden and Alma Roads to Holcim evac site Procurement of sandbags, sand and locations for the public to 'fill their own'; 20,00 bags due later today. Two sites set up for filling - PERC centre and domain near Kawatiri Cycle Trail. Recommendation from s9(2)(a) about sandbagging the railway embankment - using the NZDF when they arrive - keeping approximately 100-200 sandbags behind - barriers coming from Christchurch to aid in this as well. 60 sandbags have been organised to be delivered to Buller Health Centre on Cobden Street - Contact s9(2)(a), NZRT to distribute. DOC labour to help with distribution and filling of sandbags Pre-emptive evacuation measures in daylight will be encouraged (not mandated as yet) where possible; Acknowledgement was given to the current fragile state of mental health of July Flood victims with s9(2)(a) (Airport) s9(2)(a) s9(2)(a); A potential challenge is that the flooding may be far more widespread from this event - including Reefton, Inangahua, and Northern Buller. Volunteer centre set up at White star clubrooms Flood barriers being loaned to Buller for flood protection from Hydro Response.

- Portable showers needed at Holcim Site
- Planning has obtained details of what each proposed evacuation centre has in terms of facilities and supplies. This has been provided to logistics and operations.

PROPERTY STATUS

Residential Housing

Numbers and locations of seriously damaged and condemned

Houses on Nolans Road, Okuru have experienced flooding.

s9(2)(a) have experienced flooding impact unknown.

Commercial Property

Numbers and locations of seriously damaged and condemned, estimated time of closure

Currently none reported.

Housing and Property Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

None currently identified.

Sandbags available around Hokitika for public use.

D.O.C. are sandbagging in the Westport Area.

Arahaura Marae is available for displaced people.

Westland – further assessment required n daylight for affected areas

s9(2)(a)

TRANSPORT INFRASTRUCTURE NEEDS

Road Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate – Local roads and State Highway

Surface flooding to state highway 6 south of Hokitika and at Franz Josef. NZTA have issued a slow down notice. Arahura road is closed due to flooding between German Road and Humphries Valley Road.

All Buller roads open with maintenance staff arranged for regular inspections and updates.

Considerable surface flooding between Ross and Haast on State Highway

Closure on Witcombe Valley Road heading to Hokitika Gorge (DOC has closed the Hokitika Gorge track)

- Poerua Valley Road – Road closed towards far end due to wash out
- Peterson Road – Closed flooding
- Robertson Road – Flooding
- Wanganui Flat Road – Small amount surface flooding
- Waitangi Falls Road – Flooding
- SH 3km North of Fox down to one lane overnight

-State Highway 6 closed between Makarora and Fox Glacier (NZTA)

-Caution advised between Fox Glacier and Hokitika (NZTA)

-Grimmond Ave has been cleared.

Buller

Email from Westreef Roading Manager at 18:00hrs stating that:

- The network is green with no known trafficability issues.
- A check of the route to Karamea is planned for early tomorrow.
- Karamea and Reefton have less rain at this time.
-

Road status caution advised between Hokitika and Franz Josef from NZTA

Airport Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

All airports currently operational

Westport airport taking precautions with DoC staff sandbagging area.

Port Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate – status of the bar

All ports currently operational

Rail Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

All rail currently operational

18:00 hours 2 February the Midline is closed until further notice will not be open until inspections are carried out after the weather event has passed.

Transport Infrastructure Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

None currently identified.

State highway 6 Franz Josef to Haast road closed with slips, update 18:00hrs.

All other roads open.

Lifeline Utility Status

Electricity

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

BDC generators delivered to Holcim evacuation site as a backup
All fully functional

Fluctuating power issues between Franz and Fox. Currently under investigation.

Fox south to Paringa power outage, Helicopter on standby to assist.

Power restored to Franz, Fox, Hari Hari and Okarito, power still out South from Jacobs River, power on in Haast, Westpower awaiting improvement in weather to undertake fly over, no estimated reinstatement time until air survey is able to be taken.

Power restored to Jacobs River no power from Jacobs River to south Paringa

Westpower crews are heading down to Bruce Bay area.

Telecommunications

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

No damage currently identified
Protection needs raised by Chorus in regard to main exchange in Westport.

Chorus has advised that at 1000 hrs that there is still a possible fibre break at HariHari, No restoration timeframe at this stage.

Communications restored for Haast, Bruce Bay, Fox, Franz Josef, Hari Hari and Okarito

Water

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

No damage currently identified.

Ross intake crew on site cleaning the intake. Awaiting testing on water quality. To reinstate take.

Fox water treatment plant power out generator to be connected this afternoon.

Waste Water

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

No damage currently identified.

Petroleum

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

No damage currently identified.

Lifeline Utility Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Environmental Status

Waste and pollution

Debris, garbage and spills, issues with large scale removal and processing of

None currently identified.

Farming community and agriculture

Extent of impact on the farming community and response taken

Liaison in place.

In Buller warnings have gone out to move stock to higher ground. Updates on radio by Controller or mayor. Animal welfare set up with HUHA and PAMU. All animals able to be taken. MPI confirmed contacted all previously affected farmers.

Temporary animal shelter available in Buller region for any displaced animals.

Environmental Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

None identified.

Recovery Status

Summary

List any activity that has occurred or needs to occur. Has a Local Recovery Manager been appointed?

Planning

Plans

Summary of Response Coordination Plan (briefing times, deadlines, key EOC activities)

Buller:

Developing plan to evacuate residents in low lying areas to evacuation centres.

Move essential services to the Evac centres when identified.

Need to consider further evacuation sites and capacity and resources for evacuations if actioned.

Consideration for evacuation transport, traffic management etc

Holcim site has 13 portaloos and one large generator. Need to be moved onto site.

Seargents Hill Hall and s9(2)(a) shed for overflow with 6 portaloos and one medium sized generator. Need to be moved to site.

Westland Controller issued a voluntary evacuation order for the South side of the Waiho River at 21:15 hours.

Buller:

Developing a plan to evacuate all Westport residents and those in other low lying areas to evacuation centres by 20:00 hours Thursday 3rd February.

Potential Issues

Factors that may affect the response/recovery positively or negatively

Buller region still dealing with recovery from the July 2021 flooding. Accommodation is in short supply and mental health issues possible with multiple events in short timeframe.

Current COVID Red Traffic Light alert needs to be considered during all activities and plans.

Hazards and Warnings

Include information on the hazard, such as the latest MetService warnings/information etc

MetService has indicated that current warnings stand and it is predicted that rainfall will be as previously modelled i.e. intense but shorted in Westland, less intense but more prolonged in Buller.

Anticipated Situation Development

How is the event anticipated to evolve

Anticipated that as rivers rise, flooding may occur in some areas. May require further evacuations. Slips are likely to occur on roads and potential to damage infrastructure. May require roading detours/closures and/or rail closures.

Westland – rain fall is as predicted with rivers stabilizing as the front transits north

As per the Heavy Rain warning forecast conditions are expected to worsen Thursday and Friday in the Buller region with further rain likely overnight Friday and Saturday morning.

Priority Actions

List the key priorities for the management of the response over the next 24 hours or period as set by the Local/Group Controller

Plan for further evacuations and road closures.

Continued monitoring of river levels, weather forecast and flood modelling. Evacuation plans and communication on these with at risk communities.

The next SITREP will be issued at

Date	03/02/2022	Time	14:00 hrs
Controller Name	s9(2)(a)	Signature	

Appendix 1:

[Add appendices here for items such as maps]

SITUATION REPORT



WEST COAST
EMERGENCY MANAGEMENT

GROUP

Incident/Event	February 2022 severe weather event	EOC Location	Greymouth	SITREP Number	#5
Date	04/02/2022	Time	0100		
Author	s9(2)(a)	Contact Details	s9(2)(a)	Planning Desk	

EMERGENCY RESPONSE STATUS

Level 1: Alert	Level 2: Activation	Level 3: Local Declaration	Level 4: Group Declaration	Level 5: Nat Declaration
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EOC CONTACTS

Radio VHF Ch.	Telephone	Email	Satellite Phone
		intel@greymemergencymanagement.nz	Sat: NA
Primary method of comms:	Intel@greymemergencymanagement.nz	Systems at Risk:	

SITUATION OVERVIEW

Cause of emergency, geographic location, main impacts/consequences (succinct statement), escalating/de-escalating. Extent or area affected – include map

Event Description

Severe rainfall event across the West Coast region. Heavy rainfall has led to rising rivers. From this, flooding and slips have occurred. There is serious risk to human life and property.

At this stage, the Buller District is expected to face the most risk from the event. There is flooding in the Westport urban area and other parts of the Buller District. Further heavy rain is expected. The Buller EOC is currently preparing for potential evacuations on the morning of 4/02. A State of Emergency has been declared.

Both the EOCs for Grey and Westland have been stood down as the risks are less serious and any threats are more manageable. Greymouth and Hokitika urban areas are business as usual.

The situation is complicated by the threat of covid transmission. Any actions and plans must be considerate of Covid Red Level restrictions.

Weather

Buller: Heavy Rain Warning Red

Period: 27hrs from 8pm Thu, 3 Feb - 11pm Fri, 4 Feb

Forecast: Extended periods of heavy rain. Expect 170 to 230mm of rain to accumulate about the ranges, and 80 to 130mm near the coast. This is in addition to what has already fallen. Peak rates of 20 to 35mm/h about the ranges, especially Friday afternoon and evening.

Westland south of about Otira: Heavy Rain Warning Orange

Period: 20hrs from 3am - 11pm Fri, 4 Feb

Forecast: Periods of rain are expected to continue through to Friday night, with rain becoming heavy again from early Friday morning. Between 3am and 11pm Friday, expect a further 130 to 220mm of rain to accumulate about the ranges, especially about catchments north of about Harihari, and 80 to 120mm near the coast. Peak intensities of 20 to 30mm about the ranges Friday morning.

River Heights

- Buller Rv at Te Kuha 5.82m rising (River that flows through Westport)
- Waiho Rv at SH6 7.009m Dropping (River that flows near Franz Josef)
- Hokitika Rv at Gorge 2.882m Dropping (River that flows through Hokitika)

PEOPLE ASSESSMENT

Sector	Displaced	Missing	Fatalities	Injured
O'Connor House, Westport	All residents			
Nolan Road (South of Okuru River Bridge)	10			

DISPLACED

Evacuees, e.g. Welfare Accommodation, where, estimated time before re-occupation is possible

Buller

Buller District is encouraging self-evacuation in known flood locations and people have been known to have done so and have sorted own accommodation on higher ground. An evacuation plan for central Westport has been prepared, evacuation will be recommended to friends and family outside evacuation area, or towards Greymouth. The Buller EOC will be reassessing the risk from 0900 4/02.

Westland

10 people from Okuru have moved to higher ground.

PEOPLES CRITICAL NEEDS

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Buller

Mental health issues are being addressed by Buller Heath and Red Cross

COMMUNITY INFRASTRUCTURE NEEDS

Hospitals and medical centres

Status of these facilities, what impacts or consequences are occurring, are they managing

All hospitals operational. All medical centres operating as normal.

Rest homes

Status of these facilities, what impacts or consequences are occurring, are they managing

O'Connor Home, Westport was successfully and fully evacuated on 2/02.

Education Institutions

Have schools closed etc

South Westland Area School has closed for 4-5/02.

All Buller schools will be closed 4-5/02

Community Infrastructure Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Buller

Identifying and confirming appropriate locations for evacuation points and related resources in the District.

Buller Electricity have enough diesel to keep generators going at Karamea for two days.

Westland and Grey Districts

No known issues.

PROPERTY STATUS

Residential Housing

Numbers and locations of seriously damaged and condemned

Westland

Houses on Nolans Road, Okuru have experienced flooding.

Commercial Property

Numbers and locations of seriously damaged and condemned, estimated time of closure

N/A

Housing and Property Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

N/A

TRANSPORT INFRASTRUCTURE NEEDS

Road Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate – Local roads and State Highway

Westland

State Highway 6 between Haast and Franz Josef is closed (NZTA).
Localised road closed due to surface flooding

Buller

State Highway 67 is blocked north of Granity by a slip.
Cains and Granite Creek Roads are closed. All other roads are open.

Airport Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

All airports currently operational

Port Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate – status of the bar

All ports currently operational

Rail Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Midline is closed until further notice will not be open until inspections are carried out after the weather event has passed.

Transport Infrastructure Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Localised road closures. See other sections.

Lifeline Utility Status

Electricity

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Westland

Fluctuating power issues between Franz and Fox. Currently under investigation.
Fox south to Paringa power outage.
No power from Jacobs River to south Paringa

Buller

All power restored to networks.

Telecommunications

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Chorus has advised that there is still a possible fibre break at HariHari. No restoration timeframe at this stage.
All other telecommunications all operational

Water

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

No damage currently identified.
Fox water treatment plant power out. Repairs underway.

Waste Water

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

N/A

Petroleum

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

N/A

Lifeline Utility Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

N/A

Environmental Status

Waste and pollution

Debris, garbage and spills, issues with large scale removal and processing

N/A

Farming community and agriculture

Extent of impact on the farming community and response taken

Temporary animal shelter available in Buller District for displaced animals.

Environmental Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

N/A

Recovery Status

Summary

List any activity that has occurred or needs to occur

N/A

Planning

Plans

Summary of Response Coordination Plan (briefing times, deadlines, key EOC activities)

Buller

Developing plan to evacuate residents in low lying areas.

Potential Issues

Factors that may affect the response/recovery positively or negatively

Buller region still dealing with recovery from the July 2021 flooding. Accommodation in short supply and mental health issues possible with multiple events in short timeframe.

COVID Red level in place and to be considered during activities. This will increasingly become harder for responders and volunteers to work under as new people arrive from outside the district and new protocols are put in place to protect themselves and others.

Hazards and Warnings

Include information on the hazard, such as the latest MetService warnings/information etc

Weather

MetService indicate that current warnings stand and predict that rainfall will be as modelled.

Rivers

Mokihinui River rising. Local flood team monitoring.

Anticipated Situation Development

How is the event anticipated to evolve

Anticipated that as rivers rise, flooding may occur in some areas. May require further evacuations. Slips are likely to occur on roads and potential to damage infrastructure. May require roading detours/closures and/or rail closures.

Westland – rain fall is as predicted with rivers stabilizing as the front transits north

As per the Heavy Rain warning forecast conditions are expected to worsen Thursday and Friday in the Buller region with further rain likely overnight Friday and Saturday morning.

Priority Actions

List the key priorities for the management of the response over the next 24 hours or period as set by the Local/Group Controller

Plan for further evacuations and road closures.

Continued monitoring of river levels, weather forecast and flood modelling. Evacuation plans and communication on these with at risk communities.

The next SITREP will be issued at

Date	04/02/2022	Time	0600
Controller Name	s9(2)(a)	Signature	s9(2)(a)

Appendix 1:

[Add appendices here for items such as maps]

SITUATION REPORT



WEST COAST
EMERGENCY MANAGEMENT

GROUP

Incident/Event	February 2022 severe weather event	EOC Location	Greymouth	SITREP Number	#6
Date	04/02/2022	Time	1400		
Author	s9(2)(a)	Contact Details	s9(2)(a)	Planning Desk	

EMERGENCY RESPONSE STATUS

Level 1: Alert	Level 2: Activation	Level 3: Local Declaration	Level 4: Group Declaration	Level 5: Nat Declaration
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EOC CONTACTS

Radio VHF Ch.	Telephone	Email	Satellite Phone
		intel@greyemergencymanagement.nz	Sat: NA
Primary method of comms:	Intel@greyemergencymanagement.nz	Systems at Risk:	

SITUATION OVERVIEW

Cause of emergency, geographic location, main impacts/consequences (succinct statement), escalating/de-escalating. Extent or area affected – include map

Event Description

Severe rainfall event across the West Coast region. Heavy rainfall has led to rising rivers. From this, flooding and slips have occurred. There is serious risk to human life and property.

At this stage, the Buller District is expected to face the most risk from the event. There is flooding in the Westport urban area and other parts of the Buller District. Further heavy rain is expected. The Buller EOC is currently preparing for potential evacuations on the morning of 4/02. A State of Emergency has been declared.

Both the EOCs for Grey and Westland have been stood down as the risks are less serious and any threats are more manageable. Greymouth and Hokitika urban areas are business as usual.

The situation is complicated by the threat of covid transmission. Any actions and plans must be considerate of Covid Red Level restrictions.

Weather

Buller: Heavy Rain Warning Red

Period: 27hrs from 8pm Thu, 3 Feb - 11pm Fri, 4 Feb

Forecast: Extended periods of heavy rain. Expect 170 to 230mm of rain to accumulate about the ranges, and 80 to 130mm near the coast. This is in addition to what has already fallen. Peak rates of 20 to 35mm/h about the ranges, especially Friday afternoon and evening.

Westland south of about Otira: Heavy Rain Warning Orange

Period: 20hrs from 3am - 11pm Fri, 4 Feb

Forecast: Periods of rain are expected to continue through to Friday night, with rain becoming heavy again from early Friday morning. Between 3am and 11pm Friday, expect a further 130 to 220mm of rain to accumulate about the ranges, especially about catchments north of about Harihari, and 80 to 120mm near the coast. Peak intensities of 20 to 30mm about the ranges Friday morning.

Current weather update for Buller is 120-180mm in ranges over the next 12hrs from 0900 and 60-80mm on coast.

River Heights

- Buller Rv at Te Kuha 5.82m rising (River that flows through Westport)
- Waiho Rv at SH6 7.009m Dropping (River that flows near Franz Josef)
- Hokitika Rv at Gorge 2.882m Dropping (River that flows through Hokitika)

Buller River currently holding steady.
 Hokitika River has risen through 1st alarm but not expected to cause any issues.
 Waiho River remains high but holding.
 Grey River is rising but has not hit any alarms yet.

PEOPLE ASSESSMENT

Sector	Displaced	Missing	Fatalities	Injured
O'Connor House, Westport	All residents			
Nolan Road (South of Okuru River Bridge)	10			

DISPLACED

Evacuees, e.g. Welfare Accommodation, where, estimated time before re-occupation is possible

Buller have confirmed a partial evacuation of Westport to the former Holcim site in Westport and no longer towards Greymouth as roads are becoming difficult to pass safely. Could be between 200-500 people evacuated. Focus is now on food and conditions at this site.

Areas to be evacuated are those areas affected by the July 2021 flood event.

The Greymouth Baptist Church will still be available to receive any evacuees that do make their way to Greymouth but will no longer be opened as planned.

Westland

10 people from Okuru have moved to higher ground.

PEOPLES CRITICAL NEEDS

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Buller

Mental health issues are being addressed by Buller Heath and Red Cross.

Welfare have created and distributed a new fact sheet for this current event regarding what support is available and where to get help.

Formulating a plan for accommodating vulnerable and at-risk people for whom the former Holcim site may not be suitable.

A big focus is occurring on infection control in the evacuation site (not just Covid).

Space is being cleared in Te Nikau Hospital for any patients that need to be transferred to Greymouth.

Medical evacuations being considered for those in areas currently cutoff by slips and local flooding.

Tenting and portaloos sent to Holcim site for evacuees.

Bidfoods on standby to provide food to Holcim evacuation site.

COMMUNITY INFRASTRUCTURE NEEDS

Hospitals and medical centres

Status of these facilities, what impacts or consequences are occurring, are they managing

All hospitals operational. All medical centres operating as normal.

Te Nikau hospital in Greymouth clearing space for any patients that need to be transferred to Greymouth.

Buller health is relocating health services to the former Holcim site on 901 Cape Foulwind Road

While evacuation is under way a Buller Health team will continue to provide acute care in Foote Ward

Rest homes

Status of these facilities, what impacts or consequences are occurring, are they managing

O'Connor Home, Westport was successfully and fully evacuated on 2/02.

Education Institutions

Have schools closed etc

South Westland Area School has closed for 4-5/02.

All Buller schools will be closed 4-5/02

South Westland Area School closed today, Haast School open.

Community Infrastructure Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Buller

Identifying and confirming appropriate locations for evacuation points and related resources in the District.

Buller Electricity have enough diesel to keep generators going at Karamea for two days.

Larger/higher vehicles maybe needed for evacuations to Holcim site due to local surface flooding.

Barriers are being installed or have been installed around critical infrastructure in Buller including: Chorus exchange, airport fuel storage, New World, Fresh Choice and Buller Hospital.

Westland and Grey Districts

No known issues.

PROPERTY STATUS

Residential Housing

Numbers and locations of seriously damaged and condemned

Westland

Houses on Nolans Road, Okuru have experienced flooding.

s9(2)(a)

Commercial Property

Numbers and locations of seriously damaged and condemned, estimated time of closure

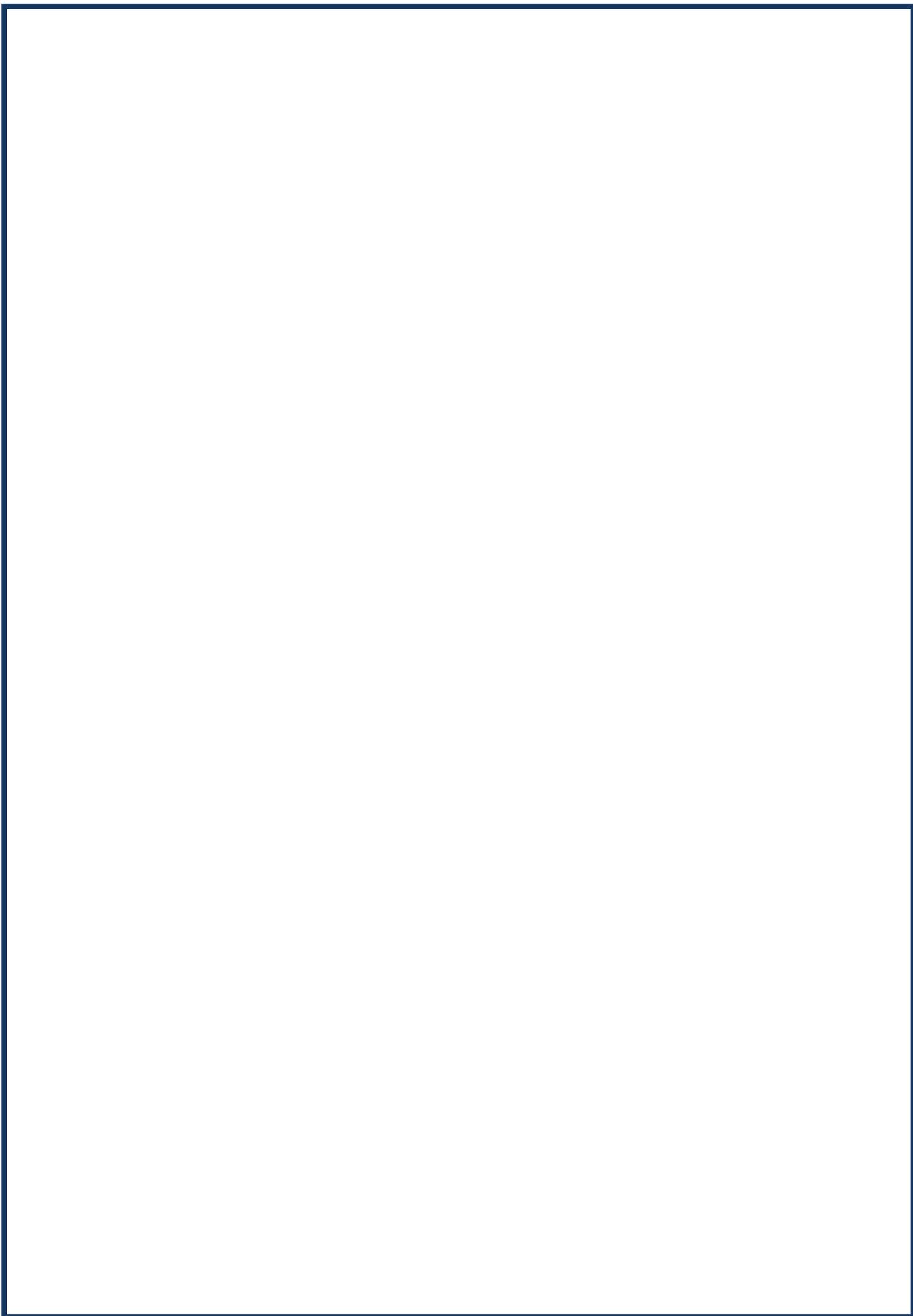
N/A

Housing and Property Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Welfare check was made on Nolan Road Okuru residents all safe no further action required.

Accommodation providers have been contacted to be advised of available bed numbers needed for evacuees



TRANSPORT INFRASTRUCTURE NEEDS

Road Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate – Local roads and State Highway

Westland

State Highway 6 between Haast and Franz Josef is closed (NZTA).
Localised road closed due to surface flooding

Buller

State Highway 67 is blocked north of Granity by a slip.
Cains and Granite Creek Roads are closed. All other roads are open.

State highway 6 remains closed between Franz and Haast, slips between Franz and Fox glacier, surface water Fox to Haast next update 16:00hrs

SH 67 north of Hector opened to one lane due to slip.

Airport Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

All airports currently operational

Port Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate – status of the bar

All ports currently operational

Rail Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Midline is closed until further notice will not be open until inspections are carried out after the weather event has passed.

Transport Infrastructure Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Localised road closures. See other sections.

Lifeline Utility Status

Electricity

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Westland

Fluctuating power issues between Franz and Fox. Currently under investigation.
Fox south to Paringa power outage.
No power from Jacobs River to south Paringa

Buller

All power restored to networks.

Telecommunications

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Chorus has advised that there is still a possible fibre break at HariHari. No restoration timeframe at this stage.
All other telecommunications all operational

Water

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

No damage currently identified.
Fox water treatment plant power out. Repairs underway.

Waste Water

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

N/A

Petroleum

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

N/A

Lifeline Utility Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

N/A

Environmental Status

Waste and pollution

Debris, garbage and spills, issues with large scale removal and processing

N/A

Farming community and agriculture

Extent of impact on the farming community and response taken

Temporary animal shelter available in Buller District for displaced animals.

Environmental Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

N/A

Recovery Status

Summary

List any activity that has occurred or needs to occur

N/A

Planning

Plans

Summary of Response Coordination Plan (briefing times, deadlines, key EOC activities)

Buller

Developing plan to evacuate residents in low lying areas.

Plans needed to co-ordinate transport and evacuation for evacuees who need assistance.

Potential Issues

Factors that may affect the response/recovery positively or negatively

Buller region still dealing with recovery from the July 2021 flooding. Accommodation in short supply and mental health issues possible with multiple events in short timeframe.

COVID Red level in place and to be considered during activities. This will increasingly become harder for responders and volunteers to work under as new people arrive from outside the district and new protocols are put in place to protect themselves and others.

NCC requested to supply national support for resourcing staff for evac centres and emergency centres

Hazards and Warnings

Include information on the hazard, such as the latest MetService warnings/information etc

Weather

MetService indicate that current warnings stand and predict that rainfall will be as modelled.

Rivers

Mokihinui River rising. Local flood team monitoring.

Hydro team reported that at 09:00 at the Hokitika Gorge Site that the 1st alarm has been breached 3.75M rain appears to be at 250-300 mm per hour.

Anticipated Situation Development

How is the event anticipated to evolve

Anticipated that as rivers rise, flooding may occur in some areas. May require further evacuations. Slips are likely to occur on roads and potential to damage infrastructure. May require roading detours/closures and/or rail closures.

Westland – rain fall is as predicted with rivers stabilizing as the front transits north

As per the Heavy Rain warning forecast conditions are expected to worsen Thursday and Friday in the Buller region with further rain likely overnight Friday and Saturday morning.

Priority Actions

List the key priorities for the management of the response over the next 24 hours or period as set by the Local/Group Controller

Plan for further evacuations and road closures.

Continued monitoring of river levels, weather forecast and flood modelling. Evacuation plans and communication on these with at risk communities.

The next SITREP will be issued at

Date	04/02/2022	Time	14:00hrs
Controller Name	s9(2)(a)	Signature	

Appendix 1:

[Add appendices here for items such as maps]

STATUS REPORT

Event: West Coast February 2022 Adverse Event		Animal Welfare Emergency Management & Rural Communities and Farming Support, MPI
Date: 4/02/2022	Time: 1200	
Organisation Name: Ministry for Primary Industries		Originator Record #: 007

Summary of Event:

A red warning was issued by MetService for heavy rainfall from 2 February on the South Island's West Coast. This is forecast to move up the Island into Tasman west of Motueka and parts of Nelson and Marlborough from Thursday 3 Feb. A state of emergency was declared in Buller District at 1435hrs 2 February, and the National Coordination Centre was activated by NEMA on 3 February. The red warning has been extended to Saturday for Buller and Westland with more severe rain forecast which could cause dangerous river conditions and flooding in Buller. A partial compulsory evacuation order is now in place for specific areas of Westport. Residents are being told to take their pets and enough supplies for 3 days. A review of the evacuation order will be made at 1500 today, 4 Feb.

Current Situation:

- Buller District remains under a state of emergency. A red warning remains in place for the next 12 hours (until 2100hr Friday, 4 Feb). Rivers are rising. A slip has occurred on SH6 at Mohikinui cutting off Seddonville. It is expected to be cleared today.
- Suitable evacuation sites have been identified and evacuations have been ordered for areas of Westport based on NIWA modelling as at 1100 today, 4 Feb. Evacuees are being told to take their pets and enough supplies for 3 days. Self-evacuations are being encouraged if people feel unsafe. The Red Cross has set up three evacuation sites, at an old concrete site called 'Holcim', in Sergeants Hill and Greymouth. Additional FENZ/Police/USSAR have been deployed to the area. The ECC remains in place.
- NIWA river modelling indicates Buller River could reach peak flows from Friday night to Saturday morning could be similar to July 2021 event.
- Westland District north of Otira: rainfall is expected to continue through tonight with a red warning still in place for the next 14 hours. Westland EOC has stood back up. Ten voluntary evacuations occurred in Haast on 2 Feb and remain displaced.
- Westland District south of Otira has been downgraded to an orange warning for the next 14 hours.
- An emergency animal welfare shelter was set up at s9(2)(b)(ii) wool shed on 2 Feb with s9(2)(b)(ii) and assisted by s9(2)(b)(ii) 6 dogs, 10 cats, a Tui and more sheep additional to the 30 have arrived at the emergency shelter. s9(2)(b)(ii) reports 8 cats have been taken in. Temporary shelter for animal has been set up closer to human evacuation site Holcim AWEM and s9(2)(b)(ii) have been contacted by the public of further evacuated animals that will be arriving
- s9(2)(a)
- It is predicted 1000 – 1500 animals may need to be evacuated in Westport. Local Vets, s9(2)(b)(ii) and community hall have been provided details of temporary animal shelter. CDEM PIM Thursday 3/2/2022 notified the public of animal shelter locations via social media.
- Temporary animal shelter is currently being sourced by AWEM staff on the ground in Greymouth assisted by Animal Control and MPI Fisheries Officer on standby to house surplus evacuated animals from Buller. s9(2)(b)(ii) Greymouth are organising additional staff and resources to assist with set up of temporary accommodation of surplus Westport animals.
- NEMA National Coordination Centre activated in the afternoon of 2 February. The National Welfare Coordination Group are meeting at 09.00hr each day for the next few days. The current CDEM classification of this event is N1 (National, minor) escalating. NCC Sitreps are being produced daily at 1545hrs.

West Coast February 2022 Adverse Event

- A large welfare centre is being established in Cape Foulwind for evacuees. CDEM have set up an EOC office in Cape Foulwind and s9(2)(b)(ii)
- Parts of Nelson, Tasman and Marlborough districts have been issued an orange heavy rain warning. Marlborough and Tasman civil defence have not stood up but are meeting with Hydrologists at 1100hr today. RCFS and AWEM reps are attending.
- SH 6 between the Rai Valley and Hira is closed due to surface water flooding and a detour is in place.
- MPI's Policy Agent in Nelson and the RST have phoned key rural stakeholders in Tasman (including the Marine Farming Association re aquaculture impacts). So far there are no reported concerns.
- AWEM staff s9(2)(a) currently based in Nelson in anticipation of weather system moving over Tasman.
- Support agency personnel are being identified in case of activating an AW response in Nelson. s9(2)(b)(ii) has 2 3 members on standby and s9(2)(b)(ii) is calling for volunteers in the areas to be on standby.
- AWEM identifying possible temporary shelters, s9(2)(b)(ii) in Nelson and Renwick have been contacted and will advise capacity to AWEM.
- The headwaters of the Canterbury lakes and rivers remain under an orange heavy rain warning and being actively monitored by RCFS staff due to possible impacts on the Ashburton area.

Known Issues/Challenges/Problems:

- s9(2)(g)(i)
- s9(2)(g)(i) North Island RCFS staff are supporting SI Regions and lower North Island is preparing for rain forecast for Lower North Island by Sunday.
- Monday 7 February is a Statutory Holiday with most people scheduled to be off work. Roster is in place.
- Further discussions on surge with MPI Controller on 4 Feb resulted in some additional capacity from Readiness and Response in addition to North Island Regions staff assisting with Logistics and Intel.

Risks to be considered

- Safe operation under current COVID Omicron risks and settings. AWEM and RCFS staff are deploying in accordance with COVID-19 concurrent event guidance, updated for Omicron variant. Double vaccination required for all those attending ECCs and EOCs. Surgical masks met new requirements and have been organised for current deployed staff.
- Multiple regions in the South Island have weather warnings currently and will need monitoring (and potentially response) simultaneously. Lower North Island could expect heavy rain from Sunday.
- s9(2)(g)(i) The Health and Safety Risk Register for this event has been prepared. Staff have been reminded to log vehicle journeys with NCC.

Current or Anticipated Priorities/Activities

- Response roster set ups for both AWEM and RCFS teams for next 7 days. Finalising surge capacity arrangements.
- Continue to monitor situation closely (weather, river modelling, and via contact with stakeholders) on-the-ground and remotely as it develops over the course of the week end.
- Daily MPI teleconferences are usually 1000hrs and 1530hrs but can vary to accommodate EOC and ECC meetings. Status reports are being produced twice a day at noon and 1630hrs, NOC is sharing a version with NCC.

RCFS actions or anticipated actions:

- s9(2)(a) supporting Greymouth ECC and active coordinating RCFS on-the-ground activity with RAG/RST
- s9(2)(a) is actively monitoring Nelson, Tasman and Marlborough areas.
- Working to assess need for surge capacity including remote support from wider Directorate.

West Coast February 2022 Adverse Event

AWEM actions or anticipated actions:

- s9(2)(a) now located in Greymouth. s9(2)(a) is located in Westport. s9(2)(a) is located in Nelson.
- s9(2)(a) and s9(2)(b)(ii) with the assistance of s9(2)(b)(ii) have set up temporary animal shelter for early evacuated animals. A second shelter has been requested to be set up closer to human evacuation site in Westport.
- s9(2)(a) assisted by Greymouth local animal control and s9(2)(b)(ii) in setting up temporary shelter in Greymouth for overflow of animals evacuated from Westport.
- s9(2)(b)(ii) has staff in Westland (Hokitika) and Greymouth are assisting in Westport.
- 2 MPI Animal Welfare Inspectors are deployed to Westport to assist s9(2)(a) and 1 MPI Fishery Officer is on standby to assist s9(2)(a) in Greymouth.
- Seek out surge capacity s9(2)(g)(i)
- Provide AW subfunction updates as required
- Operational AW support agencies placed on standby; roster has been prepared all available AWEM staff are planned to be deployed for weather event.

STATUS REPORT

Event: West Coast February 2022 Adverse Event		Animal Welfare Emergency Management & Rural Communities and Farming Support, MPI
Date: 04/02/2022	Time: 1630	
Organisation Name: Ministry for Primary Industries	Originator Record #: 008	

Summary of Event:

A red warning was issued by MetService for heavy rainfall from 2 February on the South Island's West Coast. This is forecast to move up to Tasman (west of Motueka), parts of Nelson and Marlborough from Thursday 3 Feb.

Additional orange heavy rain warnings have also been issued for Kapiti-Horowhenua, Wellington, the Tararua Ranges and Mount Taranaki late tonight/early Saturday 5 Feb.

A state of emergency was declared in Buller District on 2 February. The National Coordination Centre was activated by NEMA on 3 February. The red heavy rain warning has been extended to Saturday for Buller and Westland (north of Otira only). This is likely to cause dangerous river conditions and flooding. A partial compulsory evacuation order is now in place for specific areas of Westport. Residents are being told to take their pets and enough supplies for 3 days. Additional evacuation orders have been made, with over 158 households evacuated as at 1400.

Current Situation:

- Buller District remains under a state of emergency. A red warning remains in place until 2100hr Friday, 4 Feb. Seven farms (six dairy) are in the evacuation area. MPI staff Westland Milk Products and CDEM are working closely with them to manage stock and milk supply.
- Evacuations were ordered for areas of Westport at 1100 today, 4 Feb. An additional evacuation order was made at 1400. Evacuees were told to take their pets and enough supplies for 3 days. Self-evacuations are being encouraged if people feel unsafe. Three evacuation sites have been stood up by Red Cross, at an old concrete site called 'Holcim', in Sergeants Hill and Greymouth. Additional FENZ/Police/USSAR have been deployed to the area. The ECC remains in place.
- Westland District north of Otira: rainfall is expected to continue through tonight with a red warning still in place for the next six hours. Westland EOC has stood back up. Ten voluntary evacuations occurred in Haast on 2 Feb and remain displaced.
- Westland District south of Otira: downgraded to an orange warning for the next six hours.
- An emergency animal welfare shelter was set up at s9(2)(b)(ii) wool shed on 2 Feb with s9(2)(b)(iii) and assisted by s9(2)(b)(ii); 16 dogs, 25 cats, a Tui, five guinea pigs and more sheep additional to the 30 have arrived at the s9(2)(b)(ii) emergency shelter. Additional animals are arriving rapidly at the shelter. Approximately half a dozen dogs are at the Holcim temporary shelter. s9(2)(b)(iii) reports eight cats have been taken in.
- Animal Welfare staff, with the homeowners' permission, have been checking on animals still in properties that were evacuated (mainly cats).
- s9(2)(a)
- It is predicted 1000 – 1500 animals may need to be evacuated in Westport. Local Vets, s9(2)(b)(iii) and community hall have been provided details of temporary animal shelter. CDEM PIM Thursday 3/2/2022 notified the public of animal shelter locations via social media.
- s9(2)(b)(iii) Greymouth has organised additional animal crates, food and blankets to be sent to Westport temporary shelters.
- Temporary animal shelter is available in Greymouth if required.

West Coast February 2022 Adverse Event

- NEMA National Coordination Centre activated in the afternoon of 2 February. The current CDEM classification of this event is N2 (**National, moderate**) escalating. NCC Sitreps are being produced daily at 1545hrs.
- A large welfare centre is being established in Cape Foulwind for evacuees. CDEM have set up an EOC office in Cape Foulwind and s9(2)(b)(ii) .
- Parts of Nelson, Tasman and Marlborough districts have been issued an orange heavy rain warning. Marlborough and Tasman civil defence **met with Hydrologists at 1100hr today. They are closely monitoring the situation.**
- SH 6 between the Rai Valley and Hira is closed due to surface water flooding and a detour is in place **via SH63. This route is vulnerable after previous weather event impacts.**
- MPI's Regional Agent in Nelson and the RST have phoned key rural stakeholders in Tasman (including the Marine Farming Association re aquaculture impacts). So far there are no reported concerns.
- AWEM staff s9(2)(a) currently based in Nelson in anticipation of weather system moving over Tasman.
- Support agency personnel are being identified in case of activating an AW response in Nelson. s9(2)(b)(ii) has 2-3 members on standby and AENZ **have deployed 7 personnel to Nelson, 4 of the personnel have been redirected to assist in Westport.**
- s9(2)(b)(iii) **in Nelson has temporary shelter available and resources if required. The SPCA Nelson team are on standby for support, no personnel available over the hill in Takaka. Animal Control Tasman has indicated some temporary shelter capacity for dogs if required.**
- The headwaters of the Canterbury lakes and rivers remain under an orange heavy rain warning and being actively monitored by RCFS staff due to possible impacts on the Ashburton area.
- **Kapiti-Horowhenua, Wellington, the Tararua Ranges and Mount Taranaki have also been issued a heavy rain warning – orange from late Friday night.**

Known Issues/Challenges/Problems:

- s9(2)(g)(i) [REDACTED]
- South and North Island RCFS staff are supporting this event and preparing for rain forecast for the lower North Island on Sunday.
- Additional surge capacity from Readiness and Response has been secured along with North Island RCFS staff assisting with Logistics and Intel.

Risks to be considered

- Safe operation under current COVID Omicron risks and settings. AWEM and RCFS staff are deploying in accordance with COVID-19 concurrent event guidance, updated for Omicron variant. Double vaccination required for all those attending ECCs and EOCs. Surgical masks met new requirements and have been organised for current deployed staff.
- Health and safety of staff (deployment to regions with weather warnings, potential to work long hours due to limited staff availability, risk of COVID-19). The Health and Safety Risk Register for this event has been prepared. Staff have been reminded to log vehicle journeys with NCC.

Current or Anticipated Priorities/Activities

- Response roster set ups for both AWEM and RCFS teams for next 7 days.
- Continue to monitor situation closely (weather, river modelling, and via contact with stakeholders) on-the-ground and remotely as it develops over the course of the weekend.
- Daily MPI teleconferences at 1000hrs and 1530hrs.
- Status reports are being produced twice a day at noon and 1630hrs, NOC is drawing on these to update NCC.

West Coast February 2022 Adverse Event

RCFS actions or anticipated actions:

- Supporting Greymouth ECC and active coordinating RCFS on-the-ground activity with RAG/RST
- Actively monitoring Tasman and Marlborough areas.
- Working to assess need for surge capacity including remote support from wider Directorate.

AWEM actions or anticipated actions:

- s9(2)(a) [REDACTED]
- s9(2)(a) and s9(2)(b)(ii) [REDACTED] with the assistance of s9(2)(b)(ii) [REDACTED] have set up temporary animal shelter for early evacuated animals. A second shelter has been set up closer to human evacuation site in Westport.
- s9(2)(a) [REDACTED] assisted by Greymouth local animal control and s9(2)(b)(ii) [REDACTED] in setting up temporary shelter in Greymouth for overflow of animals evacuated from Westport.
- s9(2)(b)(ii) [REDACTED] has **staff assisting in Westport and Nelson.**
- 2 MPI Animal Welfare Inspectors are deployed to Westport to assist s9(2)(a) [REDACTED] and 1 MPI Fishery Officer is on standby to assist s9(2)(a) [REDACTED] in Greymouth.
- Seek out surge capacity due to limited staff capacity
- Provide AW subfunction updates as required
- Operational AW support agencies placed on standby; roster has been prepared all available AWEM staff are planned to be deployed for weather event.

NATIONAL EMERGENCY MANAGEMENT AGENCY (NEMA) SITUATION REPORT: 003

ISSUED AT 11:30 hours ON 05/02/2022

Event name:	Declaration status:				
West Coast Severe Weather Event	The Buller District has lifted the state of local emergency. A transition to recovery notice has been issued.				
Activation status:	Time declared:				
NCC Activated – Mode 3 (Assist)	02 February 2022 1330hrs				
Contact:	Incident Classification:				
Email: ncc.operations@nema.govt.nz	<table border="1"> <tr> <td rowspan="3">N 2</td> <td>↑</td> </tr> <tr> <td>S</td> </tr> <tr> <td>↓</td> </tr> </table> <p>N1 = A minor national level response N2 = A moderate national level response N3 = A major national level response N4 = A severe national level response</p>	N 2	↑	S	↓
N 2	↑				
	S				
	↓				
Report authorised by: [Authoriser]	Report prepared by: Intelligence Function				
Date/time of approval: 11:30 hours on 05 February 2022	This will be the last situation report for this event.				

Updated information is in *red text*.

SITUATION SUMMARY

Overview

The weather warning for the Buller Region has been lifted. The Buller River is now dropping having peaked at a lower level than in the July 2021 event - 8.5 meters vs 12.8 meters.

The Holcim Evacuation Site accommodated only 77 adults and 19 children overnight on 4 Friday February, significantly fewer than anticipated. Another 19 adults were housed in Sergeants Hall. s9(2)(a) Residents have now been advised to return home.

Orange Heavy Rain Warnings are in force for the Marlborough Sounds, Wellington, Horowhenua Kapiti Coast, the Tararua Range and Taranaki.

Heavy Rain Watches are in force for Waitomo, Taumarunui, Taihape, Whanganui, Manawatu, Wairarapa and Central Hawke's Bay.

WCRC River Gauges report that river levels are now at all monitored rivers across the West Coast are below alarm level and all but one (which is steady) are now dropping. The Buller River at the Te Kuha monitoring station reached 8.5 meters overnight. By comparison, during the July 2021 flood, it reached 12.8m.

NEMA's focus over the next 24-48 hours will focus on assisting transition to Recovery efforts. Our main priority is ensuring Welfare and Recovery to the community to ensure people and property are transitioned safely back to their homes.

The Buller District has lifted the state of local emergency. A transition to recovery notice has been issued.

NEMA is preparing to assist with demobilisation of NEMA Regional Emergency Management Advisors, EMAT and other deployed CDEM Group staff.

NEMA will stand down the NCC and revert to duty arrangements at 1730 today. The NCC can be stood back up at short notice if required.

Recovery

The NEMA Recovery team is well connected with the Local Recovery Manager and Buller District Council staff as a result of the ongoing July Floods Recovery program. As impact assessments are completed, NEMA will consider any changes to national support that are necessary in the transition to recovery.

Other Regions

Marlborough

The most severe weather has passed with manageable impacts. The CDEM Group is monitoring the situation and reports impacts in the Rai Valley. The road from SH6 to French Pass and Okiwi Bay is flooded and some properties have been affected. No evacuations have been reported.

Wellington

Wellington is under a severe weather warning and is expected to receive 120mm of rain. Some surface flooding has been noted around the region with further rain expected to fall. Further heavy rain is expected between 4pm and 9pm Saturday.

Canterbury

The Rangitata River received more rain yesterday than forecast and was actively monitored overnight by regional council flood controllers. The river peaked last night but remained in the main channel and no further issues are expected.

Critical Information

- Most national and local assets are demobilising and transitioning to BAU.
- No further requests for assistance to the NEMA National Coordination Centre.
- Lifelines and critical infrastructure providers along the West Coast report BAU activities and with no significant impacts.
- A decision to activate the National Recovery Coordination Group in the next 72 hours is to be made today 05 February.
- The CDEM Group will identify and continue to support any individual welfare needs across the wider West Coast region.

Risks and Issues

Psychosocial impact on the Westport community. Given this event has impacted the same communities in Westport as the July flooding event, there is likely to be psychosocial impacts. MBIE TAS has reported that those families already in temporary accommodation are exhibiting signs of intense anxiety.

National Resources

- Most national agencies are working to demobilise and transition back to BAU.
- NZ Police resources will remain in Westport to maintain assurance patrols until Monday (7 February).
- The FENZ taskforce is heading back to Christchurch today.
- FENZ USAR Drone (UAS) team and Rapid Damage Assessment Team are carrying out imagery and assessment work and will likely be departing the West Coast this afternoon.

Roads

- Closed: SH 6 Inangahua to Westport - Lower Buller Gorge is closed
- Closed SH 67 Westport to Mokihinui – Slips and surface water
- Closed: SH 6 Hira to Rai Valley - flooding
- Reopen: SH 6 between Franz Josef and Fox Glacier has reopened with a caution in place.

NZTA Highway Regional Emergency Situation Report			
Incident:	Severe Weather Event - West Coast and Upper South Island	Sit rep #	7
Date:	Saturday 5 February 2022	Time:	1030hrs
Period covering:	1700 Friday 4 February – 1030 hours Saturday 5 February 2022		
Prepared by:	s9(2)(a)		
Approved by:	s9(2)(a), Controller		
Next Sit Rep:	10am Sunday 6 February 2022		

PART 1: SUMMARY	
Summary of incident	<p><i>Red weather warnings have now been lifted with orange warnings in place for Marlborough Sounds, Wellington, Manawatu and Taranaki.</i></p> <p><i>There are now three closures on the South Island caused by this event:</i></p> <ul style="list-style-type: none"> - <i>SH67 Westport to Mokihinui</i> - <i>SH6 Inangahua to Westport (Lower Buller Gorge)</i> - <i>SH6 Hira to Rai Valley</i>
Critical Information	<p>West Coast</p> <p><i>A State of Emergency is in place in Buller, NEMA, NZDF and FENZ national resources are in place to provide assistance.</i></p> <p><i>Evacuated residents in Buller have returned to their properties.</i></p> <p><i>SH67 Westport to Mokihinui remains closed due to a slip and debris across the highway. Work is ongoing and a further update is expected around midday today (Saturday 5 February).</i></p> <p><i>SH6 Inangahua to Westport (Lower Buller Gorge) is CLOSED due a cleared slip coming down again.</i></p> <p><i>SH6 between Franz Josef and Haast is now OPEN from 0950 today. This road is still being cleared and some single lane traffic management will be used to facilitate the clean-up.</i></p> <p><i>SH7 at Dobson (10km from Greymouth) is also OPEN.</i></p> <p>Action Plan for next 12-24 hours</p> <p><i>Clean-up will continue with the focus on opening SH67 as soon as possible.</i></p> <p>Tasman/Marlborough</p> <p><i>Heavy rain was experienced overnight that affected SH6 between Rai Valley and Hira. As a result this road remains CLOSED and is currently not expected to be open today and probably overnight. Access is being provided to residents along the affected route.</i></p> <p><i>There is a detour available for the SH6 closure - via SH63 which adds around an hour to journeys. The Marlborough Sounds is being monitored for impacts to the recovery works on local roads especially with the Orange weather warning still in place.</i></p> <p>Canterbury</p> <p><i>No significant risks from this event have been detected in the region.</i></p> <p>Wellington/Manawatu</p> <p><i>Steady rain is falling which has resulted in some surface flooding across the State Highway network. No road closures from the weather event are in place.</i></p> <p><i>The situation continues to be monitored whilst the weather warning is in place and we are connected with WREMO.</i></p> <p>Taranaki</p> <p><i>The situation here is being monitored with an Orange weather warning in place.</i></p>
Actions carried out since last Sit Rep	<p><i>Attended CDEM briefing for West Coast.</i></p> <p><i>Media releases put out.</i></p> <p><i>s9(2)(a) provided update to TVNZ (aired on 6pm news on Friday 4 February).</i></p> <p><i>Media and Customer enquiries around road closures.</i></p>
Risks- to SH network only	<p><i>Road closures. Damage to SH infrastructure.</i></p> <p><i>Surface flooding, highway inundation, slips, washouts, debris in rivers causing damage to structures, bridge approach washouts, bridges overtopping due to river flows. Coastal inundation. Prolonged closures over the holiday weekend impacting travel and businesses.</i></p>
Risk Management	<p><i>Real time messaging via social media, website, media and on road signage.</i></p> <p><i>Cyclic crews patrolling network, focusing on at risk locations/sections.</i></p> <p><i>Contractors in places currently isolated.</i></p> <p><i>Civil and cyclic crews operating in isolation to manage omicron risk.</i></p> <p><i>Cross NOC communication and collaboration between Tasman and Marlborough</i></p> <p><i>Continued targeted comms around regions currently affected by weather.</i></p>

SITUATION REPORT



WEST COAST
EMERGENCY MANAGEMENT

GROUP

Incident/Event	February 2022 severe weather event	EOC Location	Greymouth	SITREP Number	#7
Date	05/02/2022	Time	1400		
Author	s9(2) ()	Contact Details	s9(2)(a)	Planning Desk	

EMERGENCY RESPONSE STATUS

Level 1: Alert	Level 2: Activation	Level 3: Local Declaration	Level 4: Group Declaration	Level 5: Nat Declaration
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EOC CONTACTS

Radio VHF Ch.	Telephone	Email	Satellite Phone
		planningl@greyemergencymanagement.nz	Sat: NA
Primary method of comms:	planning@greyemergencymanagement.nz	Systems at Risk:	

SITUATION OVERVIEW

Cause of emergency, geographic location, main impacts/consequences (succinct statement), escalating/de-escalating. Extent or area affected – include map

Event Description

Severe rainfall event across the West Coast region. Heavy rainfall led to rising rivers. From this, flooding and slips have occurred. There was serious risk to human life and property.

The Buller District has undertaken a partial evacuation of the areas of Westport impacted by the July 2021 flood event. An evacuation centre was set up at the former Holcim site at Cape Foulwind. This site is now being demobilised. Sandbags and flood barriers are being removed from around the region.

Both the EOCs for Grey and Westland have been stood down as there are no ongoing risks for these areas. Greymouth and Hokitika urban areas are business as usual.

The situation is complicated by the threat of covid transmission. Any actions and plans must be considerate of Covid Red Level restrictions.

Weather

All heavy rain warnings have now expired for the West Coast.

Forecast: Occasional showers and strong winds coast wide with weather continuing to improve. More rain expected at the end of next week.

River Heights

All rivers have dropped below alarm heights. Although still high all river levels are currently dropping and are likely to continue to drop.

EOC's and ECC

Westland and Grey EOC's have demobilised and Councils will be back to business as usual.

Night shift will no longer operate from ECC and day shift will be scaled back.

Buller is terminating its State of Emergency and transitioning to recovery.

This is likely to be the final Situation Report for this event.

PEOPLE ASSESSMENT

Sector	Displaced	Missing	Fatalities	Injured
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Low lying areas of Westport	60			

DISPLACED

Evacuees, e.g. Welfare Accommodation, where, estimated time before re-occupation is possible

Currently 60 people have been evacuated from the low lying areas of Westport and are occupying the evacuation centre at the former Holcim site. They have received a hot meal this morning. They are now able to begin leaving the evacuation centre and move back to their homes. Messaging has gone out to this effect.

s9(2)(a) [Redacted]

s9(2)(a) [Redacted]

The Greymouth evacuation centre will remain operational until midday but then likely to be scaled back or closed.

PEOPLES CRITICAL NEEDS

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Buller

Mental health issues will continue to be addressed by Buller Heath and Red Cross.

COMMUNITY INFRASTRUCTURE NEEDS

Hospitals and medical centres

Status of these facilities, what impacts or consequences are occurring, are they managing

All operational.

Buller Health returning to normal location.

Rest homes

Status of these facilities, what impacts or consequences are occurring, are they managing

O'Connor House, Westport residents will remain in current locations over weekend and then returned to O'Conner house.

Education Institutions

Have schools closed etc

All schools will open as normal from Tuesday 08/02

Community Infrastructure Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

PROPERTY STATUS

Residential Housing

Numbers and locations of seriously damaged and condemned

Westland

s9(2)(a)

Buller

Inspection of homes potentially impacted by floods will be inspected prior to allowing residents to return to properties.

Commercial Property

Numbers and locations of seriously damaged and condemned, estimated time of closure

N/A

Housing and Property Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

TRANSPORT INFRASTRUCTURE NEEDS

Road Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate – Local roads and State Highway

Westland

State Highway 6 between Haast and Franz Josef is open.

Buller

State Highway 67 is blocked north of Granity.

Lower Buller Gorge road is closed due to slip remobilising.

Local road closures also in place due to flooding and damage.

A helicopter survey will be undertaken of gorge area roads then through to Karamea to identify areas that require action.

All areas will continue mopping up and repairs over the coming weeks.

Airport Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

All airports currently operational

Port Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate – status of the bar

All ports currently operational

Rail Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Midline is closed until further notice will not be open until inspections are carried out after the weather event has passed.

Transport Infrastructure Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Lifeline Utility Status

Electricity

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

No network issues.

Telecommunications

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

No issues

Water

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Local water supply cut off for a subdivision at Wanganui and for Waimangaroa. No eta on repair at this stage.

Waste Water

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

N/A

Petroleum

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

N/A

Lifeline Utility Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

N/A

Environmental Status

Waste and pollution

Debris, garbage and spills, issues with large scale removal and processing

Westport transfer station closed.

Farming community and agriculture

Extent of impact on the farming community and response taken

Temporary animal shelter available in Buller District for displaced animals.

Environmental Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

N/A

Recovery Status

Summary

List any activity that has occurred or needs to occur

N/A

Planning

Plans

Summary of Response Coordination Plan (briefing times, deadlines, key EOC activities)

Buller

Planning for demobilisation of evacuation centre and returning residents to own homes and demobilising equipment brought to site.

Damage assessments to be undertaken throughout the regions.

Potential Issues

Factors that may affect the response/recovery positively or negatively

COVID Red level in place and to be considered during activities. This will increasingly become harder for responders and volunteers to work under as new people arrive from outside the district and new protocols are put in place to protect themselves and others.

Hazards and Warnings

Include information on the hazard, such as the latest MetService warnings/information etc

No warnings currently in place.
Roading repairs ongoing.
River repairs required after flood events.

Anticipated Situation Development

How is the event anticipated to evolve

Anticipated that all sites will begin to demobilise and standdown staff and that will move into recovery phase of operation.

Priority Actions

List the key priorities for the management of the response over the next 24 hours or period as set by the Local/Group Controller

The next SITREP will be issued at

Date	05/02/2022	Time	13:00hrs
Controller Name	s9(2)(a)	Signature	

Appendix 1:

[Add appendices here for items such as maps]

SITUATION REPORT

Completed by Intel



WEST COAST
EMERGENCY MANAGEMENT

GROUP

Incident/Event	Orange weather event	EOC Location	Buller District EOC	SITREP Number	0001
Date	Thursday, 10 February 2022	Time	12.00		
Author	s9(2)(a)	Contact Details	s9(2)(a)		

EMERGENCY RESPONSE STATUS

Level 1: Alert <input type="checkbox"/>	Level 2: Activation <input type="checkbox"/>	Level 3: Local Declaration <input checked="" type="checkbox"/>	Level 4: Group Declaration <input type="checkbox"/>	Level 5: Nat Declaration <input type="checkbox"/>
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EOC CONTACTS

Radio VHF Ch.	Telephone	Email	Satellite Phone
ESB2	0800 768 348	bdc.welfare@bdc.govt.nz	
Primary method of comms:	Telephone/Email	Systems at Risk:	None

SITUATION OVERVIEW

Cause of emergency, geographic location, main impacts/consequences (succinct statement), escalating/de-escalating

Extent or area affected – include map

Orange weather event heavy rain event causing flooding in Buller region. Civil defence activated with state of emergency declared 9.45am.

River levels have been increasing with multiple road closure restricting access.

Expected Buller river peak at midday-2pm. Next High tide at 1854.

Voluntary evacuations encouraged for known at risk areas.

PEOPLE ASSESSMENT

Sector	Displaced	Missing	Fatalities	Injured

DISPLACED

Evacuees, e.g. Welfare Accommodation, where, estimated time before re-occupation is possible

Note: Table information is appropriate

Voluntary evacuation encouraged. Limited numbers in the active evac centres so far

PEOPLES CRITICAL NEEDS

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

COMMUNITY INFRASTRUCTURE NEEDS

Rest homes

Status of these facilities, what impacts or consequences are occurring, are they managing

Education Institutions

Have schools closed etc

Advised children to stay home today.

Community Infrastructure Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

PROPERTY STATUS**Residential Housing**

Numbers and locations of seriously damaged and condemned

N/A

Commercial Property

Numbers and locations of seriously damaged and condemned, estimated time of closure

N/A

Housing and Property Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

N/A

TRANSPORT INFRASTRUCTURE NEEDS**Road Status**

Detail the extent of damage, the area affected, response taken, and length of time to reinstate – Local roads and State Highway

All state highways in to Reefton, Karamea and Westport unavailable at 8am. Update expected at 12 from NZTA and contractors. Many slips and drop outs being managed by contractors as possible.

Reported bridge lost at Boatmans on Blairs Road near Reefton.

Airport Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Operating per normal with surface water in area. Staff monitoring situation.

Port Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate – status of the bar

Rail Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Rail line at Stephens road has not be reinstated since last week event. Damage near Birchfield.

Transport Infrastructure Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Ngakawau river slip reported. To be inspected asap with Helicopter for potential risk impacts if blocked.

LIFELINE UTILITY STATUS**Electricity**

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Generators arranged in isolated areas last week still available.

Telecommunications

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Functioning

Water

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Inangahua supply out of action for short term, expected 2 days to reinstate.

Waimangaroa supply out of action due to slip.

Reefton Boil water noptice advised.

Waste Water

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Westport discharging to Buller river as needed. Plant in bypass.

Petroleum

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Local supply only with state highways closed.

Lifeline Utility Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Current lists with welfare, power, emergency following last week event. EMS teams working with these people and appropriate location.

ENVIRONMENTAL STATUS

Waste and pollution

Debris, garbage and spills, issues with large scale removal and processing of

Normal collection in areas delayed due to road closures

Farming community and agriculture

Extent of impact on the farming community and response taken

Several farms on alert and moving livestock as required.

Environmental Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

RECOVERY STATUS

Summary

List any activity that has occurred or needs to occur. Has a Local Recovery Manager been appointed?

Community Hub is operating and navigators working with vulnerable parties.

PLANNING

Plans

Summary of Response Coordination Plan (briefing times, deadlines, key EOC activities)

Partial Evacuation options being explored with several centres being activated with others on standby.

Potential Issues

Factors that may affect the response/recovery positively or negatively

Road Closures,
Overcast conditions limiting flights to/in the area
Several flood level sensors not functioning.

Hazards and Warnings

Include information on the hazard, such as the latest MetService warnings/information etc

Metservice has lifted the orange warning with pockets of heavy rain still expected throughout the day.

Anticipated Situation Development

How is the event anticipated to evolve

River expected to peak 12-3pm Thursday

Priority Actions

List the key priorities for the management of the response over the next 24 hours or period as set by the Local/Group Controller

Road clearance and inspections to provide emergency access to isolated areas

The next SITREP will be issued at

Date	Thursday, 10 February 2022	Time	1800 hrs
Controller Name	s9(2)(a)	Signature	s9(2)(a)

Appendix 1:

[Add appendices here for items such as maps]

SITUATION REPORT

Completed by Intel



WEST COAST
EMERGENCY MANAGEMENT

GROUP

Incident/Event	Orange weather event	EOC Location	Buller District EOC	SITREP Number	0002
Date	Thursday, 10 February 2022	Time	2100		
Author	9(2)(a)	Contact Details	9(2)(a)		

EMERGENCY RESPONSE STATUS

Level 1: Alert <input type="checkbox"/>	Level 2: Activation <input type="checkbox"/>	Level 3: Local Declaration <input checked="" type="checkbox"/>	Level 4: Group Declaration <input type="checkbox"/>	Level 5: Nat Declaration <input type="checkbox"/>
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EOC CONTACTS

Radio VHF Ch.	Telephone	Email	Satellite Phone
ESB2	0800 768 348	bdc.welfare@bdc.govt.nz	
Primary method of comms:	Telephone/Email	Systems at Risk:	None

SITUATION OVERVIEW

Cause of emergency, geographic location, main impacts/consequences (succinct statement), escalating/de-escalating

Extent or area affected - include map

Orange weather event heavy rain event causing flooding in Buller region. Civil defence activated with state of emergency declared 9.45am with river levels rising.

Multiple road closures restricting access.

Buller river expected to peak between 1800-2200. High tide at 1854. River levels have continued to decrease since 1730. Weather in the region is calm with insignificant rain in the ranges experienced during the afternoon.

Voluntary evacuations encouraged for known at risk areas changed to Mandatory evacuations for Snodgrass, North Derby Street/ Racecourse, lagoon area announced 1300. Additional zone added 1700 at Colvin St.

Mohikinui township flooded.

Slip on the Seddonville Road (Chasm Creek) road is being assessed and road is to be closed.

Slip edge of Waimangaroa township from Denniston Track, residents considered at risk from the slip have been evacuated. Another slip has damaged the water supply with tanks being arranged for interim supply.

Currently waiting on the flood affected houses to determine whether evacuated residents can return home or not. Police to confirm number of houses etc.

PEOPLE ASSESSMENT

Sector	Displaced	Missing	Fatalities	Injured
Westport	23			
Waimangaroa	s9(2)(a)			
Reefton				

DISPLACED

Evacuees, e.g. Welfare Accommodation, where, estimated time before re-occupation is possible
Note: Table information is appropriate

Voluntary evacuation encouraged, escalated to mandatory for certain areas (see map in appendix).

Numbers in the active evac centres @ 2100

South School - s9(2)(a)

Waimangaroa - s9(2)(a)

Sergeants Hill - s9(2)(a)

Carters Beach - s9(2)(a)

Red Cross from Greymouth on site (20 beds at South School, 20 beds in Waimangaroa)

Reefton - s9(2)(a)

PEOPLES CRITICAL NEEDS

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Vulnerable cases needing support and potentially drinking water supplies in certain areas.

COMMUNITY INFRASTRUCTURE NEEDS

Medical

Buller Health has now relocated all health services to the **Masonic Lodge, 51 Russell Street, Westport.**
Buller Health team is available at this site **24/7 for urgent and emergency services.**

Rest homes

Status of these facilities, what impacts or consequences are occurring, are they managing
Access possible as stormwater levels have improved. Shift change this evening; staff being assisted in and out via suitable vehicle to deal with any surface flooding.

Education Institutions

Have schools closed etc

Schools were closed today. Decision to open schools with individual Principals. Westport South School (Hall) currently being used as an Evacuation Centre and will remain closed Friday 11/02/2022.

Community Infrastructure Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

PROPERTY STATUS**Residential Housing**

Numbers and locations of seriously damaged and condemned

To be confirmed as soon as possible (Police to report back to EOC). Derby and Roebuck St area known water damage. s9(2)(a) Typically those who were affected in July 2021 event.

Commercial Property

Numbers and locations of seriously damaged and condemned, estimated time of closure

N/A

Housing and Property Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

TRANSPORT INFRASTRUCTURE NEEDS**Road Status**

Detail the extent of damage, the area affected, response taken, and length of time to reinstate – Local roads and State Highway

Update from NZTA at 2010
 SH67 Karamea Bluff Road closed overnight to public with review at 1000.
 Lower Buller Gorge closed, surface flooding and slips.
 Upper Buller Gorge closed, surface flooding and slips.
 Coast Road to Westport open from 1300 with delays expected.
 Many slips and drop outs being managed by contractors as possible.
 Reported bridge lost at Boatmans on Blairs Road near Reefton.
 Significant damage Between Hector and Mohikinui on State highway.
 Slips on Bluff expected to take a couple days to resolve, assessment report due at 1000

Airport Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Operating per normal with surface water in area. Staff monitoring situation.
 Advised plenty of fuel available for any emergency aircraft

Port Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate – status of the bar

Rail Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Rail line at Stephens road has not be reinstated since last week event. Reported damage near Birchfield.

Transport Infrastructure Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Slip at Seddonville; Chasm Creek – road closure
 Denniston Road slip with debris trail into neighbouring properties, repairs commenced by contractor have ceased awaiting geotechnical advice. Road remains closed.

LIFELINE UTILITY STATUS**Electricity**

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Generators arranged in isolated areas last week still available.

Telecommunications

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Functioning

Water

Detail the extent of damage, the area affected, response taken, and length of time to reinstate
Inangahua supply out of action for short term, expected 2 days to reinstate.
Waimangaroa supply out of action due to slip with water and tanks being arranged for interim supply as repair estimated 2-3 days.
Reefton Boil water notice advised.
Ngakawau is without water – tanks looking at being arranged if accessible

Waste Water

Detail the extent of damage, the area affected, response taken, and length of time to reinstate
Westport discharging to Buller River as needed. Plant in bypass. Pump stations in certain areas being turned off – BDC staff monitoring

Petroleum

Detail the extent of damage, the area affected, response taken, and length of time to reinstate
N/A

Lifeline Utility Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Current lists with welfare, power, emergency following last week event. EMS teams working with these people and appropriate location.

ENVIRONMENTAL STATUS

Waste and pollution

Debris, garbage and spills, issues with large scale removal and processing of

Normal collection in areas delayed due to road closures.
Reefton landfill site sustained river bank damage with some exposure of historic site. Repairs arranged for Friday morning as possible with reiver levels. WCRC aware.

Farming community and agriculture

Extent of impact on the farming community and response taken

Supplied by MPI @1400

- All farms with flood areas or known to have been affected by flooding have been contacted and offered support. All farm staff and animals in the Buller District and Upper Grey are safe and accounted for
- There has been significant damage to infrastructure and access for some farms and some farm homes have been flooded
- Some isolated areas and farms have self-evacuated
- Road closures, flooding and loss of farm access are causing disruption to milking and milk collection

EMS flight over areas at Westport and staff reacting as possible with some farms on Nine Mile Road needing help with stock.

Environmental Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

RECOVERY STATUS

Summary

List any activity that has occurred or needs to occur. Has a Local Recovery Manager been appointed?

Community Hub will reopen at 0800 tomorrow. Hub staff are supporting Evacuation Centres.

PLANNING

Plans

Summary of Response Coordination Plan (briefing times, deadlines, key EOC activities)

Action plan 1 to be approved by 2130hrs 10/02/2022

Evacuation Plan approved during the 4-10pm EOC shift

Action plan 2 to be completed for 0800hrs 11/02/2022. This plan looks at the response and recovery phase of the operation.

Potential Issues

Factors that may affect the response/recovery positively or negatively

Road Closures have potential for continued isolation of some communities in the northern Buller.

Overcast conditions limiting flights to/in the area on Thursday morning. Has improved allowing several helicopter flights for basic inspections later in the day.

Several flood level sensors not functioning. Te Kuha site was repaired during the day.

Hazards and Warnings

Include information on the hazard, such as the latest MetService warnings/information etc

Metservice has lifted the orange warning with pockets of heavy rain still expected throughout the day.

Anticipated Situation Development

How is the event anticipated to evolve

River expected to peak 1600-2200 Thursday.

Priority Actions

List the key priorities for the management of the response over the next 24 hours or period as set by the Local/Group Controller

Supplies for vulnerable.

Assessment of evacuated properties

Road clearance and inspections to provide emergency access to isolated areas.

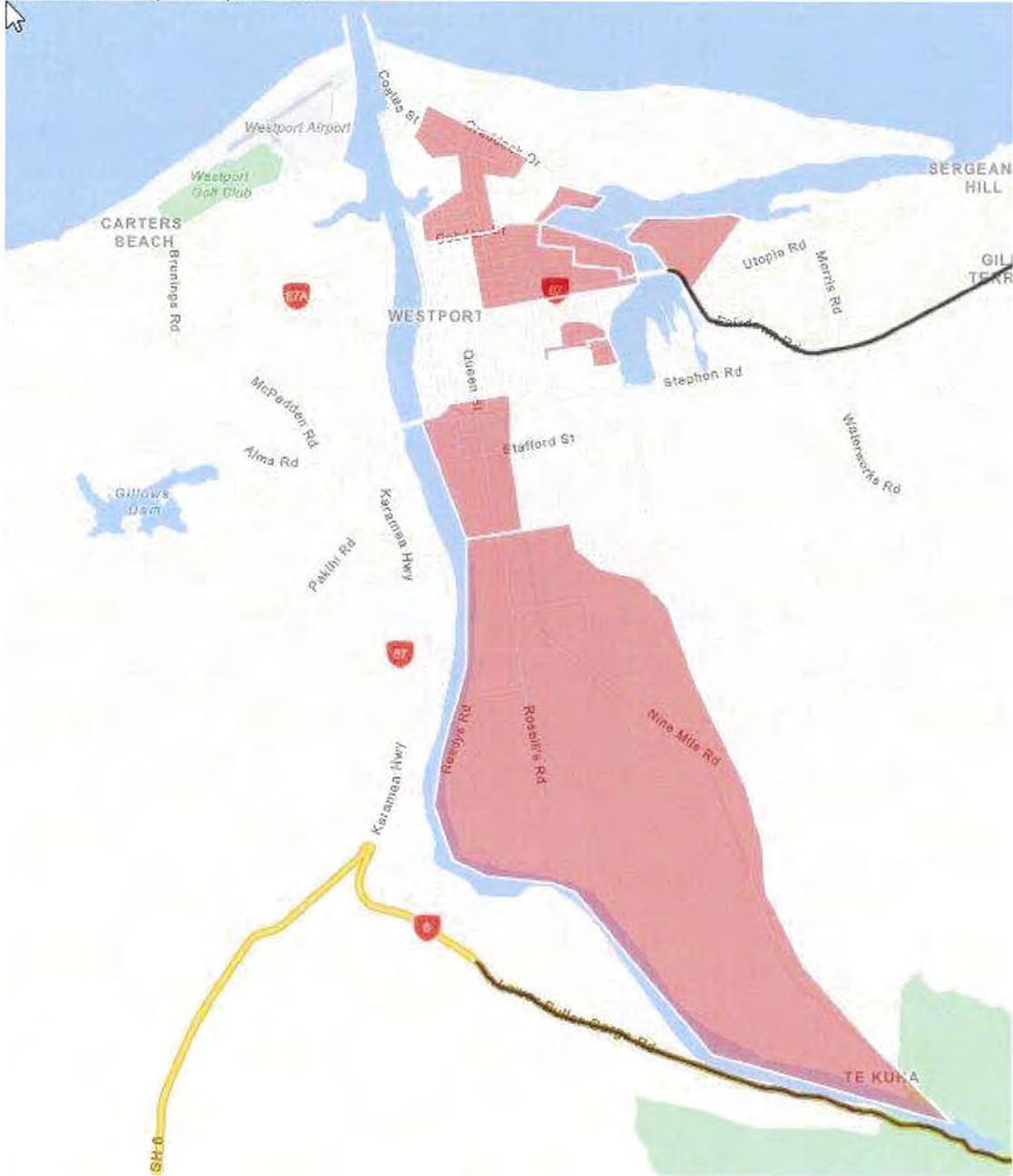
The next SITREP will be issued at

Date	Thursday, 10 February 2022	Time	1130 → TBC hrs
Controller Name	s9(2)(a)	Signature	s9(2)(a)

Appendix 1:

[Add appendices here for items such as maps]

Evacuation map-Westport 1400





Minister's Severe Weather Update 13:00 hours 10 February 2022

Speaking Points

- A local state of emergency has been declared in Buller due to heavy rainfall overnight. We really feel for those on the West Coast who are facing more upheaval so soon after last July's event and the events last week, and we're here to support where we can.
- Our number one priority right now is ensuring those communities get through this safely. I urge the public to follow the advice and instructions of their local authorities and Civil Defence Emergency Management Groups.
- The West Coast CDEM Group has said that at this time there is no mandatory evacuation – but please self-evacuate if you feel unsafe.
- Call 111 if life, health or property is in danger.
- Evacuation advice overrides any COVID-19 requirements to stay at home. If you are advised to evacuate by authorities because of an emergency, follow the evacuation advice. Stay 2 metres away from others if you can and wear a mask or face covering if it is safe to do so. Evacuate calmly and quickly.
- Check www.metservice.com for the latest on weather for your region, your local council or Civil Defence Group website for instructions and advice, and www.nzta.govt.nz for highway information.
- Stay out of flood water. Assume that all flood water is contaminated. Wash hands, clothes and property thoroughly after contact with flood waters.
- Do not travel through flooded areas. Never try to walk, swim or drive through flood water. Many flood fatalities are caused by people attempting to drive through water.
- It may not be safe to return home even when the floodwaters have receded. Only return home after Civil Defence and emergency services have told you it is safe to do so
- We know that there will be another long and hard recovery ahead for West Coast communities. So while our current focus is on the response, we're here for the long haul.

Situation Overview

West Coast

- The Buller District Declared a State of Local Emergency at 09:45 hours this morning (10 February).
- Buller and Westland were under an Orange Heavy Rain Warning from midday Wednesday, and have experienced significant rainfall overnight. Warnings for today (10 February) and Friday (11 February) have been cancelled.
- Late last evening (9 February) reports came from the West Coast CDEM Group that some impacts were arising, in particular widespread surface flooding in Greymouth, Westport and Reefton and some localised evacuation of households (also at Waimangaroa due to a land slip). Regional rivers, in particular the Grey and Buller, were closely monitored overnight with advice from technical experts and NIWA.
- The Buller River continues to rise, and at the current trajectory may reach similar levels to the July 2021 flooding event although uncertainties remain. The river is expected to peak from midday through to 1500 hours. High tide is 18:54 hours tonight.

- The West CDEM Group advises that residents in low lying areas of Westport are encouraged to self-evacuate. Two evacuation centres have been stood up at Sergeants Hill hall and South School hall.
- West Coast Civil Defence Group activated Buller and Greymouth EOCs overnight to monitor impacts and coordinate any support required. The Greymouth ECC was stood up this morning in support.
- A number of State Highways are closed and there is no road access into Westport. Access between Greymouth and Westport is currently available via the Old Coast Road.
- NEMA has activated the National Coordination Centre (NCC) this morning (10 February) to coordinate support to the region.
- MetService are in close contact with West Coast CDEM Group and NEMA National Coordination Centre (NCC) regarding ongoing impacts for their region given the current event.

Tairāwhiti

- A community remain isolated in East Cape due to a slip from the past weekend's weather.
- Tairāwhiti CDEM met with residents either side of the slip via telephone at 09:00 hours this morning. There are no urgent requirements for food or medical needs at this time, and no issues with power or telephone.
- Three of the five affected households still isolated are self-sufficient, however some resources will be required depending on the time to clear the slip (food, gas top-up).
- There is a helicopter flight planned for tomorrow (11 February). Two roading engineers will accompany to assess impact and roading solutions, as well as a council scientist and possibly the CEO and Minister for Emergency Management (if present).
- 10 people will be moved to Gisborne tomorrow (11 February), including children. Some are visiting locals that will return home and some are residents behind the affected slip that work in Gisborne, who will remain in alternative accommodation until the slip is cleared.
- There are no issues with animal needs at the present time. Petrol will be required for farm-animal care if the slip is in place for an extended time. It is unclear at present how this would be transported.
- A medium to long term plan will be developed based on needs and road assessment as to how support will continue to be delivered. There is no viable alternate route out.
- Next meeting will be at 15:00 hours to confirm flight details.

Tropical Cyclone DOVI

- The weather system currently near Vanuatu was upgraded to Category 1 Tropical Cyclone DOVI late last night. Cyclone DOVI is forecast to approach New Zealand from the northwest this Friday (11 February), and may cross central New Zealand on Sunday. A band of heavy rain precedes the centre of DOVI and is forecast to start affecting central New Zealand from Friday (11 February) afternoon.
- Gale to severe gale winds associated with DOVI are expected to affect parts of central and northern New Zealand this weekend (12-13 February).

- Warnings and watches for heavy rain and severe gales are now in force for many central and northern districts. There is some uncertainty regarding the exact timing and track of DOVI as it moves near or across New Zealand later this weekend and the areas that are likely to be most significantly affected may change.

West Coast Event Response and Event Progression

- The Buller River is expected to reach between 7,000 and 9,000 cumecs. Comparisons have been made to the July 2021 event when it peaked near 9,000 cumecs. The peak is expected in Westport between midday to 1500 hours. High tide is 18:54 hours tonight. Some river monitoring equipment is offline, and visual observations of the river are underway. There is remaining uncertainty as to the behaviour of river over the next few hours and West Coast CDEM is working with technical experts and NIWA to assess.
- At present, voluntary evacuations are encouraged for residents in low-lying areas of Westport. Two evacuation centres are open at Sergeants Hill hall and South School hall. Limited numbers at active centres so far. Community Hub is operating and navigators working with vulnerable parties.
- NEMA is assisting the Greymouth ECC in preparation for an Emergency Mobile Alert (EMA) to notify affected residents to evacuate, if required.
- Buller Electricity are monitoring and are prepared to cut power if required to assets if flooding occurs.
- Inangahua water supply out of action for short term, expected 2 days to reinstate. Waimangaroa supply out of action due to slip and there is a boil water notice in Reefton. Waste water from Westport is discharging into the Buller River.
- The NCC is working with West Coast CDEM to understand their resources needs. Regional Emergency Management Advisors (REMAs) are being deployed to the region in support today.
- FENZ and Police will surge in staff when access issues are resolved. NZDF are briefed and can provide resources if requested. Police have 9 staff from Greymouth to support 4 Westport based staff, travel is achievable via the Old West Coast Road. FENZ have deployed a number of people and vehicles to Westport.
- NZTA have activated a Regional Emergency Response Team to address the road closures in the area due to slips and surface flooding.
- Weather Warnings have been lifted for the region however a Heavy Rain Watch and Strong Wind Watch are in place from Saturday 12 February.

Speaking Points

1. A local state of emergency has been declared in Buller due to heavy rainfall overnight.
2. We really feel for those on the West Coast who are facing more upheaval **on top of last week's floods – when you are still recovering from last July's event.** We're here to support **you** where we can.
3. Our number one priority right now is ensuring those communities get through this safely. I urge the public to follow the advice and instructions of their local authorities and Civil Defence Emergency Management Groups.
4. **Mandatory evacuations are under way in parts of Westport. An EMA (Emergency Mobile Alert) has been sent. Maps can be found at www.westcoastemergency.govt.nz**
5. **If you are advised to evacuate by authorities because of an emergency, please follow their advice. These orders are not made lightly and if you're asked to leave, it's because you are at risk.**
6. **Residents in other areas should self-evacuate if you feel unsafe.**
7. Evacuation advice overrides any COVID-19 requirements to stay at home. Stay 2 metres away from others if you can and wear a mask or face covering if it is safe to do so. Evacuate calmly and quickly. Call 111 if life, health or property is in danger.
8. Check www.metservice.com for the latest on weather for your region, your local council or Civil Defence Group website for instructions and advice, and www.nzta.govt.nz for highway information.
9. Stay out of flood water. Do not travel through flooded areas. Never try to walk, swim or drive through flood water.
10. Assume that all flood water is contaminated. Wash hands, clothes and property thoroughly after contact with flood waters.
11. It may not be safe to return home even when the floodwaters have receded. Only return home after Civil Defence and emergency services have told you it is safe to do so.
12. We know that there will be another long and hard recovery ahead for West Coast communities. So while our current focus is on the response, we're here for the long haul.

Situation Overview

West Coast

- The Buller District Declared a State of Local Emergency at 09:45 hours this morning (Thursday 10 February).
- Buller and Westland were under an Orange Heavy Rain Warning from midday Wednesday 9 February, and have experienced significant rainfall overnight.
- Warnings for today (10 February) and Friday (11 February) have been cancelled. There is a Heavy Rain Watch in place for Ranges of Buller and Nelson Lakes for 12hrs from midnight Saturday 12 February - noon Sunday 13 February.
- The Buller River continues to rise, and at the current trajectory may reach similar levels to the July 2021 flooding event although uncertainties remain. **The river is holding stable at 11.4m at Te Kuha. It is expected to peak between 18:00-22:00 hours tonight. High tide is 18:54 hours.**
- **Mandatory evacuations of some areas of Westport commenced this afternoon (10 February). This affects approx. 500-600 residents out of a total population of approx.**

5,000. An Emergency Mobile Alert (EMA) was sent to Westport at 15:20 hours today (10 February).

- Two evacuation centres have been stood up at Sergeants Hill hall and South School hall. Two additional centres are being prepared.
- A number of State Highways are closed limiting access into Westport. SH6 between Greymouth and Westport is open with traffic control.
- Inangahua water supply out of action for short term, expected 2 days to reinstate. Waimangaroa supply out of action due to slip and there is a boil water notice in Reefton. Waste water from Westport is discharging into the Buller River.
- FENZ and Police will surge in staff when access issues are resolved. NZDF have deployed resources to Greymouth and will move to Westport tomorrow (11 February). Police have 9 staff from Greymouth to support 4 Westport based staff, travel is achievable via the Old West Coast Road. FENZ have deployed a number of people and vehicles to Westport. FENZ and Police are assisting with the evacuation.
- NZTA have activated a Regional Emergency Response Team to address the road closures in the area due to slips and surface flooding.
- NEMA has activated the National Coordination Centre (NCC) this morning (10 February) and is working with West Coast CDEM to understand their resource needs.
- MetService are in close contact with West Coast CDEM Group and NEMA National Coordination Centre (NCC) regarding ongoing impacts for their region given the current event.

Tairāwhiti

- Helicopter flight set to leave at 09:00 hours tomorrow (11 February) will arrive at DOC hut on the East Cape 09:40 hours.
- On board will be Murray Cave and Dave Wilson Council/Controller along with roading engineers from council and Downers. An assessment will be made of slip on arrival.
- Helicopter will evacuate people out and on a return trip will bring food supplies from Four Square Te Araroa. Evacuees will be taken to Te Araroa Four Square and will make their own way home from there. There will be two flights to take evacuees out.
- All evacuees will have masked and believed all are vaccinated.
- Supporting five families there who have all put in their food requirements.
- Can expect 90 mm of rain from midnight Wednesday (9 February) to midnight Sunday (13 February).
- There is concern about more rainfall on slips causing more mobilisation of soils and this could slow down the clearing of the slips.

Predicted Weather Development

- For Westport, if rain and rivers ease back this afternoon there is the possibility that most evacuated residents could return tonight. There is no certainty of this however and residents have been advised to prepare to be out of their homes overnight.

- Buller will have rain on and off during Friday. A heavy period of rain will be from late Saturday and into Sunday.
- Current cyclone models show Cyclone DOVI tracking towards the lower west of the North Island on Sunday (13 February). A better understanding beyond this will be available in the next 24-48 hours and the cyclone tracks towards New Zealand.
- Key message before the cyclone arrives is that there is a large front over central New Zealand with heavy rain later on Friday and into Sunday. Areas of concern are northern Marlborough, lower North Island (especially the Tararua ranges) and Taranaki.
- The risk of flooding and road closures for the upper South Island increased from Saturday to Sunday due to this heavy rain.
- The current MetService rain watches are likely to escalate to warnings tonight or tomorrow.
- The main period of concern for wind is on Sunday in upper North Island and upper South Island. There is a higher level of uncertainty with wind because it depends on the cyclone track.

NATIONAL EMERGENCY MANAGEMENT AGENCY (NEMA) SITUATION REPORT: 001

ISSUED AT 17:00 hours ON 10/02/2022

Event name:	Declaration status:				
South Island Severe Weather Event	State of Local Emergency in Buller District				
Activation status:	Time declared:				
NCC Activated – Mode 2 (Assist)	10 February 2022 09:45hrs				
Contact:	Incident Classification:				
Email: ncc.operations@nema.govt.nz	<table border="1"> <tr> <td rowspan="3">N 2</td> <td style="text-align: center;">↑</td> </tr> <tr> <td style="text-align: center;">S</td> </tr> <tr> <td style="text-align: center;">↓</td> </tr> </table> <p>N1 = A minor national level response N2 = A moderate national level response N3 = A major national level response N4 = A severe national level response</p>	N 2	↑	S	↓
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Report authorised by: [Authoriser]	Report prepared by: Intelligence Function				
Date/time of approval: 16:45 hours on 10 February 2022	Next Situation Report will be issued at: 17:00 hours on 11 February 2022				

Updated information is in *red text*.

SITUATION SUMMARY

Overview

West Coast

- The Buller District Declared a State of Local Emergency at 09:45 hours on Thursday 10 February due to severe weather.
- The Buller River continues to rise, and at the current trajectory may reach similar levels to the July 2021 flooding event although uncertainties remain. The Buller River has reached a level of 11.4m at Te Kuha and is stable. Expected to peak between 18:00-22:00 hours today. High tide is 18:54 hours tonight.
- Mandatory evacuations of residents in some areas of Westport commenced this afternoon (10 February) due to potential flooding of properties. This affects approx. 500-600 residents out of a total population of approx. 5,000. An Emergency Mobile Alert (EMA) was sent to Westport residents at 15:20 hours.

- Two evacuation centres have been stood up at Sergeants Hill hall and South School hall. Two additional centres are being prepared.
- A number of State Highways are closed limiting access into Westport. SH6 between Greymouth and Westport is open with traffic control.

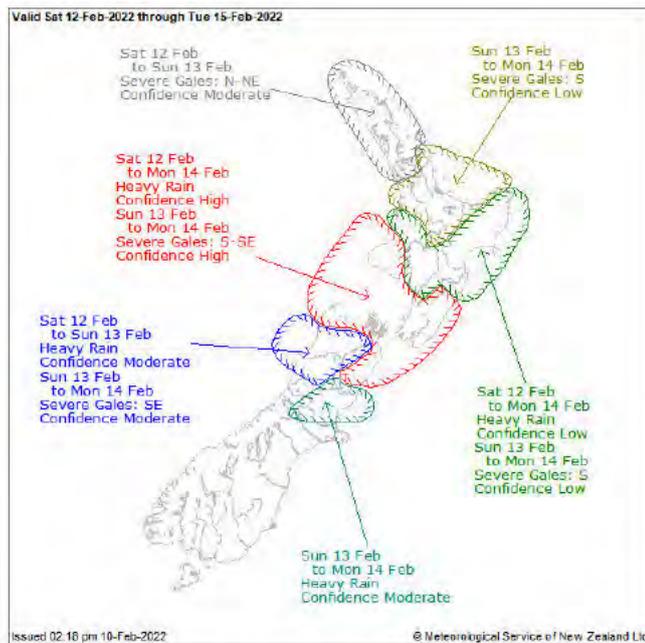
Tairāwhiti

- A community remains isolated in East Cape due to a slip from recent weather.
- Helicopter flight set to leave at 09:00 hours tomorrow (11 February) will arrive at a DOC hut on East Cape 09:40 hours to assess the slip.
- Helicopter will evacuate people out and on return trip will bring in food supplies. There will be two flights to take evacuees out.
- There is concern about more rainfall on slips causing more mobilisation of soils, and this could slow down the clearing of the slips.

Predicted Progression

- For Westport, if rain and rivers ease back this afternoon there is the possibility that most evacuated residents could return tonight. There is no certainty of this however and residents have been advised to prepare to be out of their homes overnight.
- Buller will have rain on and off during Friday. A heavy period of rain will be from late Saturday and into Sunday.
- Current cyclone models show Cyclone DOVI tracking towards the lower west of the North Island on Sunday (13 February). A better understanding beyond this will be available in the next 24-48 hours and the cyclone tracks towards New Zealand.
- Key message before the cyclone arrives is that there is a large front over central New Zealand with heavy rain later on Friday and into Sunday. Areas of concern are northern Marlborough, lower North Island (especially the Tatarua ranges) and Taranaki.
- The risk of flooding and road closures for the upper South Island increased from Saturday to Sunday due to this heavy rain.
- The current MetService rain watches are likely to escalate to warnings tonight or tomorrow.
- The main period of concern for wind is on Sunday in upper North Island and upper South Island. There is a higher level of uncertainty with wind because it depends on the cyclone track.

The MetService severe weather update at 14:18 10 February 2022 is below.

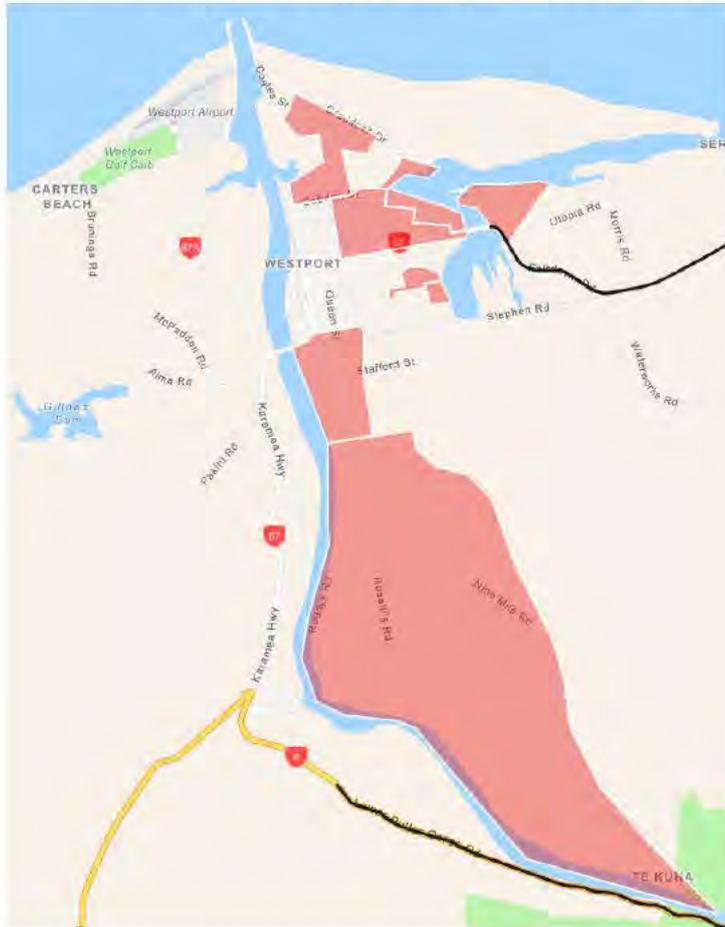


National Resources

- The NEMA National Coordination Centre (NCC) was activated at 07:00 hours 10 February 2022 to support the West Coast, Tairāwhiti and to plan ahead for evolving severe weather impacts across NZ.
- NEMA has pre-deployed to the West Coast with two Regional Emergency Management Advisors (REMAs) in the region.
- NZTA have activated a Regional Emergency Response Team to address the road closures in the area due to slips and surface flooding
- NZ Police has deployed 9 staff from Greymouth enroute to support the 4 Westport based staff with the first team of 6 arriving this morning (10 February). Additional 3 road policing staff from Nelson Bays on standby to deploy if required. 17 officers to Westport. Further surge capacity on standby.
- FENZ has mobilised the following on Thursday 3 February to Westport.
 - 1 X Ute (3 pax)
 - 1 X Training appliance (type 1) (4 pax)
 - 1 X Runanga (type 1) 5 Pax
 - The West Coast have requested deployment of 10 to 12 people to relieve the Westport crew for night cover starting from this evening. Possible 48 hour deployment.

Evacuations

- Mandatory evacuations of residents in some areas of Westport (red areas below) commenced this afternoon (10 February) due to potential flooding of properties.



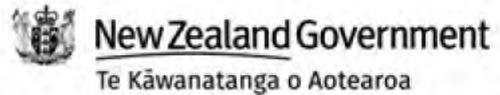
Risks and Issues

- Isolation of Westport due to road closures. At this stage all state highways into Reefton, Karamea and Westport are closed. This will affect the deployment of resources and deployment of personnel.
- Isolation and evacuation will stress access and delivery of critical resources and supply lines to the affected area and population.
- The difficulty in following public health protocols regarding COVID-19 during this event will introduce risks for the public and responders.
- Psychosocial impact on the Westport community. Given this event is likely to impact the same communities in Westport as the July 2021 flooding event and last week's event, there are likely to be large psychosocial impacts.

Priorities for the next period

- Sustaining NCC operations and deployed NEMA staff
- NEMA and other central government agencies will closely track weather event and possible impacts on the West Coast and other parts of New Zealand ahead of further severe weather over the coming weekend.

West Coast Severe Weather: Action Plan



NEMA National Coordination Centre National Action Plan			
1st Incident: West Coast Severe weather event 2nd Incident: Isolated community in the East Cape, Tairāwhiti 3rd Incident: Developing Severe Weather Event: Impact of Cyclone DOVI	Action Plan No: 1		
NCC Mode: NCC Activated Mode 2 – Assist	Date/time of issue: 10/02/22 1500hrs		
Operational Period: 1500hrs 10 Feb 2022 until terminated by National Controller.	Incident Classification: <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center; vertical-align: middle;">N2</td> <td style="text-align: center; vertical-align: middle;">  N/S  </td> </tr> </table>	N2	 N/S 
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Contact: Phone: Email: ncc.operations@nema.govt.nz	N1 = A minor national level response N2 = A moderate national level response N3 = A major national level response N4 = A severe national level response		

Summary of incident
<p>Incident #1: West Coast severe weather event</p> <p>MetService has advised of a HEAVY RAIN WATCH with the potential to upgrade to a HEAVY RAIN WARNING - ORANGE in the ranges of Buller and Nelson Lakes, which may cause streams and rivers to rise rapidly. Surface flooding and slips are also possible and driving conditions may be hazardous. This is coupled with a STRONG WIND WATCH, where southeast winds may rise to a severe gale grading in exposed areas. This advisory has an anticipated validity period of approx 24 hours.</p> <p>MetService Forecast: Expect 100 to 150mm of rain to accumulate, with peak rates of 15 to 25mm/h.</p> <p>This rain is expected to cause dangerous river conditions and the potential for flooding.</p> <p>All rivers in the Buller region are currently below their alarm levels; however, this is likely to change with further rain forecast from early Friday morning, with Buller River at 11m just before 8AM today (10/02/2022). There is some uncertainty as to what the Buller River is doing (from specialists and NIWA experts), as a lot of the river monitoring equipment is out of commission. Ingangahua River is going to be critical to Buller outcomes.</p> <p>The Buller District declared a state of local emergency at 0945hrs on 10 Feb 22 and has requested residents to voluntarily evacuate to family and friends outside of Westport. Mandatory evacuations are possible.</p> <p>NEMA activated its National Coordination Centre (NCC) at 0830 on 10 Feb 22 and continues to work in support of the impacted areas. NEMA's focus is to assist in surging</p>

resources to the affected areas to keep communities safe and supporting the locally led effort. The lead agency for this event is the West Coast CDEM Group.

NEMA has deployed one Regional Emergency Management Advisor (REMA) to the West Coast region. EMAT (Emergency Management Assistance Team) operational support staff have been provided with a warning order to assist in providing remote support to West Coast ECC functions if required.

NEMA has two EMAT Deployable Coordination Centres already positioned in Westport, as hangover from the previous West Coast event, and are ready to be deployed. There is an additional three West Coast Multifunction Habitation Unit (MHU) tents in location.

An AOG Welfare factsheet has been provided to Buller to circulate locally.

Incident #2: Isolated community in the east Cape, Tairāwhiti

The following is based on a series of SITREP's from the REMA deployed to the Tairāwhiti region.

- Due to last week's severe weather across New Zealand, there have been a series of slips that have stranded approximately 21 people in the Tairāwhiti region, in the vicinity of the Goldsmith and/or Kohere station.
- There are several slips in the area, with the first slip having been cleared (circa 16:25 hrs 09/02/2022)
- There are ongoing efforts to clean up before forecast rains (10/02/2022), as currently the only means of trying to leave the area is by walking around the rocks between low and high tides. This method is only suitable for adults; however, three children are also isolated in the group.
- There is a significant amount of work required to clear the slips, and Downers have been contacted and are looking at bringing in a contractor from Ruatoria to assist.
- The lead agency for this event is the Gisborne CDEM Group.

Incident #3: Developing Severe Weather Event: Impact of Cyclone DOVI

The Tropical Depression centred between Vanuatu and New Caledonia has strengthened to a CAT 1 Tropical Cyclone (TC) overnight and has been named DOVI. TC DOVI is forecast to intensify to a CAT 2 TC in the next 36-48 hours, and is currently tracking south-southwest at 5 knots (9km/hr) with maximum sustained winds of 40-45 knots (74-83 km/hr).

TC DOVI is located approximately 285 km northeast of New Caledonia. The centre of TC DOVI is expected to make landfall in the vicinity of Noumea as a CAT 1 TC within the next 17 hours. TC DOVI is then forecast to track south-southeast toward Norfolk Island in the next 48 hours as a CAT 2 TC.

Response activities:

The National Emergency Management Agency (NEMA) has activated its National Coordination Centre (NCC) at Mode 2 - Assist

With effect 0945hrs 10 Feb 22 Buller region declared a state of local emergency.

At 1518 hrs 10/02/2022, NEMA has issued a Public Warning for the Westport area to commence an immediate evacuation. Residents in the following areas must **EVACUATE**

NOW: Snodgrass Area bounded by Romilly St, Brougham St and Orowaiti Rd Cobden St from Palmerston St to Derby St and north, including to Craddock Dr Craddock Dr area next to the Orowaiti River Kawatiri PI, Kew Rd, low-lying parts of Eastons Rd to Domett St Disraeli St south between Derby St and Buller River, including Nine Mile Rd to Te Kuha And surrounding low-lying areas.

The West Coast CDEM Group has activated its Emergency Coordination Centre (ECC) at Greymouth and the Buller Emergency Operations Centre (EOC) at Westport. Nelson-Tasman and Canterbury CDEM Groups are monitoring the situation.

Logistical and planning support to the West Coast CDEM Group, especially evacuation planning.

Personnel support for the CDEM Group (REMA).

Sustaining NCC operations and deployed NEMA staff.

NEMA and other central government agencies will closely track the impacts of the current severe weather event to determine how this will affect the current recovery programme. Once the damage and effects have been assessed, this will inform any changes to the current programme and any further government assistance needed to enable long-term recovery.

Mission

The NCC will respond to current and anticipated severe weather across NZ, in order to provide support, coordination and to prepare for escalation of the national response.

Intent of the National Action Plan

Government intent

The New Zealand public have confidence in the response. The Government is responsive to immediate and longer term needs of communities.

Controller's intent

The NCC will stand up to proactively respond to the current and emerging risks developing across multiple parts of NZ as a result of severe weather passing over NZ.

Purpose

The initial National Action Plan covers the period of 1500hrs 10 Feb 2022 until terminated by National Controller. Depending on the nature of this response a further NCC action plan is expected to be developed based on the specifics of this event.

This National Action Plan aims to develop coordinate response-critical intelligence requirements, pre-identified requests for assistance and response priorities.

Through this Plan, we will anticipate arising issues and facilitate proactive and effective response coordination with CDEM Groups and central government agencies (where required) to assess impacts and consequences, establish mechanisms to deliver essential services to affected communities, and ensure public safety and wellbeing.

Response objectives

The priorities for NEMA are:

1. Activate the NCC immediately and mobilise central government agency resources in response to current and emerging emergency events across NZ
2. Provide support to the West Coast in response to the current severe weather emergency by deploying personnel, surging resources, and formulating plans for ongoing assistance.
3. Gather intelligence and plan ahead to prepare for further severe weather impacts across NZ in coming days resulting from Cyclone DOVI
4. Maintain situational awareness and provide support to the Tairāwhiti CDEM Group in response to isolation of a community in that region
5. Maintain COVID infection protocol procedures for the NCC and deployed personnel to ensure the operational effectiveness of the NCC operation Understand the situation, impacts and consequences
6. Preserve life, protect health, limit the spread of disease and provide health and welfare services to affected communities
7. Prevent casualties from related hazards
8. Ensure the provision of essential services
9. Provide critical resources
10. Enable movement of people and freight into and out of the affected areas
11. Communicate with affected communities and the wider public throughout the response.
12. Mobilise the response structure at all levels
13. Preserve governance
14. Maintain law and order
15. Prepare for transition to recovery

Plan of action

To achieve the intent and objectives, the NCC will:

Priorities for this operational period:	To achieve the above priorities, we will:	Responsible:
Establish response structure	<ul style="list-style-type: none"> • <i>Establish and maintain staff functions as appropriate</i> • <i>Communicate a daily schedule to CDEM Groups / Director / Minister</i> • <i>Develop and support to communicate a reporting regime</i> • <i>Maintain and communicate a teleconference and reporting regime.</i> • <i>Identify priorities and promote the Controllers Intent at a national level</i> • <i>Be prepared to adjust response activity as appropriate</i> • <i>Determine any necessary changes to National Recovery support arrangements</i> 	Control/ Operations/ Recovery
Identify impact and consequences	<ul style="list-style-type: none"> • <i>Confirm CDEM priorities via situation reports and action plans</i> 	Intelligence

	<ul style="list-style-type: none"> Establish situational awareness of developing issues Ascertain information regarding access to support for people isolating within the community Ascertain information regarding access to isolated communities. Support affected CDEM Groups in the monitoring of media and social media Establish situational awareness of Critical Infrastructure, identifying and escalating CDEM Groups' risks and issues with relevant agencies 	<p>Intelligence</p> <p>Intelligence</p> <p>Intelligence</p> <p>Public Information</p> <p>Lifeline Utilities sub-function (BPT task if activated)</p>
Confirm CDEM Group responses are in place	<ul style="list-style-type: none"> Confirm affected CDEM Group priorities via situation reports and action plans Ascertain information from Groups according to: <ul style="list-style-type: none"> Evacuation statuses Lifelines Access Support requirements 	Intelligence
Be prepared to provide national coordination	<ul style="list-style-type: none"> Establish and Maintain IMT meeting regime Coordinate national level information Coordinate national level response activities 	Operations
Ensure adequate staffing of all functions.	<ul style="list-style-type: none"> Establish and Maintain sufficient NEMA staffing capacity and communicate staff roster Manage NZ EMAT and surge staff requests to support affected CDEM groups. 	Operations
Contingency Planning	<ul style="list-style-type: none"> Undertake contingency planning for escalation of response. Continue to update and develop the 2021 DRAFT NEMA NCC Concurrent Event IAP v0.6 and supporting documents, for a response to a concurrent regional natural hazard event. 	Planning

Designated Tasks

The following designated tasks are listed by agency and are in addition to BAU and tasks listed in the CDEM Plan 2015.

National Emergency Management Agency

Workstream	Critical tasks
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Command, control, coordination and communication	<ul style="list-style-type: none"> • Maintain contact with CDEM Groups, other National Coordination Centres (NCCs), sector coordinating entities, and science and research organisations, where applicable. • Continue to identify any supplementary staffing requirements and communicate to these agencies. • Maintain and upkeep of staffing and monitor wellbeing within the NCC and remote workforce/ supporting staff. • Ensure contingency planning for concurrent event(s) is implemented as necessary. • Continue to develop Controller's Critical Information Requirements (CCIR) within appendix 1
Operational and Logistics support	<ul style="list-style-type: none"> • Consolidate personnel, equipment and supply requests from affected CDEM Groups and other agencies. • Coordinating the deployment of additional surge staffing resourcing.
Reconnaissance and information collection	<ul style="list-style-type: none"> • Consolidate and communicate reconnaissance and information collection outputs. • Coordinate reconnaissance to ensure the best use of assets, including providing access to reconnaissance flights for road and rail engineers.
Health	<ul style="list-style-type: none"> • Support the provision of public health response and disease surveillance and monitoring in affected areas, in conjunction with the Ministry of Health.
Welfare	<ul style="list-style-type: none"> • Maintain contact with CDEM Group Welfare Managers and determine the need for NWCG support. • Monitor all welfare services sub-functions as per agency responsibilities in the National CDEM Plan 2015, if required. • Maintain contact with support agencies, and ensure national and regional sub-function coordination, if required.
Public information management	<ul style="list-style-type: none"> • Continue to provide support to affected CDEM Groups and coordinate messaging across government to ensure that the public sees a 'joined-up' approach to the overall response.

CDEM Groups

Workstream	Critical tasks
Command, control, coordination and communication	<ul style="list-style-type: none"> • Maintain coordination centres and information flows as per own plans and procedures. • Continue impact and consequence assessment. • Maintain contact with the National Coordination Centre and identify key priorities, information requirements and resource needs.
Reconnaissance and information collection	<ul style="list-style-type: none"> • Identify ongoing welfare needs and communicate to the NCC the critical information requirements, as required. • Advise the NCC of support requirements to maintain or enable response and recovery.
Public Information Management	<ul style="list-style-type: none"> • Continue the dissemination of public safety messages within their remit and/or for which they are the 'authoritative voice' using available communication channels.

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| | <ul style="list-style-type: none"> Continue the dissemination of response specific information within their remit and/or for which they are the 'authoritative voice' using available communication channels. |
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Limiting factors

- NEMAs ability to appropriately resource two different events, in isolation geographically.
- Incomplete information on impacts, consequences and resources needs.
- Shortage of trained staff across all local response agencies, affecting ability to surge support.
- Ability of other regions to redeploy and/or react to weather event transitioning to adjacent regions.
- Availability of lifeline utilities in the affected areas.
- COVID-19 infection protocols remain in place and need to be enforced for all face to face engagements.

Resource needs

All requests for national support are to be directed to the NEMA NCC (ncc.operations@nema.govt.nz).

Note: Additional local resources may be controlled by CDEM Groups.

Critical Resources

The National Controller has designated the five EMAT Deployable Coordination Centre (DCC) caches as a critical resource. Any request for deployment of EMAT or NEMA habitation must be approved by the National Controller after advice from National Operations Deployable Capabilities team. The DCCs are prioritised to provide alternative coordination centre facilities in the event of facility loss or the need to increase physical space. They are not approved as clinical triage or vaccination facilities due to the comparative risk / benefit.

Information flow

Information flow as per the National CDEM Plan 2015 and CIMS:

- Emergency Operations Centres (EOCs) are to provide information to Emergency Coordination Centres (ECCs).
- Emergency Coordination Centres (ECCs) are to provide information to the National Coordination Centre.

Contributing organisations should be prepared to provide their Action Plans, Situation/ Status Reports, if required to do so by the Group Controller. Information Management and document promulgation within the (virtual) NCC will utilise the Emi tenancy within MS Teams. The NCC West Coast Sever Weather and CDEM West Coast Sever Weather teams have been established to facilitate this; with specific Function channels.

- NCC Action Plans (and Situation/Status Reports) are to be shared with CDEM Groups via the Published Documents sharing feature in the NCC West Coast Sever Weather Team.
- CDEM Groups can access these documents from the CDEM West Coast Sever Weather Team.
- CDEM Groups can share their documents in the CDEM West Coast Sever Weather Team, where they can be retrieved by NCC staff.

Public Information

NEMA and CDEM Group Public Information Managers are to engage with and utilise their own national and local channels to:

1. Provide advice to the affected population on what to do and how to access support.
2. Reassure the affected population through updates on the response, and how people can support the response by following public health advice and restrictions.
3. Continue to advise the affected population to:
 - a. for emergencies, please call 111;
 - b. if you are told to evacuate, bring a grab bag with personal medications, water, food, blankets and warm clothes;
 - c. Voluntary evacuations are encouraged for residents in low-lying areas of Westport. Two evacuation centres are open at Sergeants Hill hall and South School hall. Limited numbers at active centres so far. Evacuation centres are not the most comfortable places to be so people should ensure they bring the essential items above and anything they need to be comfortable.
 - d. make a plan for your pets and take them with you when you evacuate;
 - e. listen to local civil defence and follow instructions;
 - f. follow the Buller and West Coast Emergency Management Facebook pages for regular updates;
 - g. put safety first:
 - i. don't take any chances;
 - ii. act quickly if you see rising water;
 - iii. never try to walk, swim or drive through flood water;
 - iv. many flood fatalities are caused by people attempting to drive through water;
 - v. call 111 if you feel your life is in danger; and
 - h. See "Consistent messages for CDEM" at <http://www.civildefence.govt.nz/cdem-sector/consistent-messages-for-cdem/>

Key Messages:

- Understanding that this AP 01 is centered around the West Coast Severe Weather event, NEMA (through the REMA in location), is maintaining a close observation of the group of New Zealanders who are isolated in Tairāwhiti. If the situation develops further NEMA will resource appropriately based on intelligence provided.

- It's unfortunate that this weather system has occurred so soon following the last event, as the recovery programmed was in full swing with repairs to homes progressing.
- Buller District Council is well supported for its recovery role and has extra resources already in place to support the community. This will assist the recovery from this flooding event once the extent of damage has been assessed.
- Agencies have deployed staff to the region who will be providing specialist advice to the response effort on how to mitigate COVID-19 risks.
- We are closely monitoring the potential impact of this weather event for other areas of New Zealand as the effects of Cyclone DOVI make themselves felt.

National level Spokespeople

- Minister of Emergency Management
- Director CDEM

Communications

The primary means of communication with the National Emergency Management Agency (NEMA) National Coordination Centre is email.

Email: ncc.operations@nema.govt.nz

Website: www.civildefence.govt.nz

Organisation

National response structure as per the National CDEM Plan 2015 and CIMS.

Lead Agency

National: NEMA (through NCC)

Regional: CDEM Groups (West Coast CDEM Group is lead agency for the severe weather event in its region; the Gisborne CDEM Group is the lead agency for the event related to the isolated community).

Appointments

Director CDEM: Gary Knowles

National Controller: Roger Ball

Approval and distribution

Action Plan prepared by:	NCC Planning Function
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Action Plan approved by:	National Controller)
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Appendix 1: Controllers Critical Information Requirements (CCIRs)

No.	Information	Assigned to	Date/time required
1.	Any loss of life from a severe weather event	CDEM Groups Police MoH	ASAP once identified
2.	Major structure (e.g. school, workplace, multi-storey) is about to or has collapsed due to flooding	CDEM Groups FENZ Min of Ed MoH	ASAP once identified
3.	Major road closures (insert name(s)) is anticipated longer than 6 hours	Canterbury CDEM Group Police Waka Kotahi	ASAP once identified
4.	State Highway closure (insert name(s)/region(s)) for longer than 2 hours	Waka Kotahi	ASAP once identified
5.	Severe Weather warning for the (insert name/region(s))	MetService	ASAP once identified
Command, Control, Coordination & Communication (C4)			
6.	What should the response now look like and what are its staffing requirements?		
7.	What are the impacts in each region to our ability to coordinate a response?		
CDEM Staff & infrastructure (ECC, EOC)			
8.	What EMAT support do Groups initially need?		
9.	Emergency services staff and infrastructure?		
10.	How can we / how will we communicate with each other to improve situational awareness?		
11.	Other/neighbouring regional capabilities?		
12.	What do you need to know from NCC / National Controller to enable your response?		
13.	Where are C4 gaps evident in the initial response and how can they be filled?		
Intelligence and Reconnaissance			

No.	Information	Assigned to	Date/time required
14.	What are your information priorities within the region?		
15.	What are the regional reconnaissance priorities (including nationally significant impacts within regions)?		
16.	What do regions need NCC to coordinate (e.g. South Island flyover, image capture and sharing etc.) / what will NCC coordinate on behalf of regions?		
17.	What are the impacts to lifelines or critical infrastructure in your region that will have a consequence for our ability to respond (e.g. loss of a port / airport / road access)?		
18.	What are the impacts in your region that are generating the most severe consequences for communities (e.g. loss of residential housing stock, isolation of communities etc.).		
Emergency Supply Chain and Movement of People			
19.	What are the Supply chain impacts in each region and what are CDEM group and national agency priorities to confirm impacts?		
20.	What are the consequences to communities and the response of these impacts (e.g. FMCG, Fuel, ability to move critical resources in, and evacuate people out.).		
21.	When can you confirm the scale of people requiring evacuation, and what are those requirements?		
22.	How many non-domiciled Foreign Nationals within affected area?		
23.	How many non-domiciled NZ residents and citizens within affected area?		
24.	How many injured people within affected area?		
25.	Where can people be evacuated to (end-to-end chain of movement and accountability)?		
26.	What aspects of the Supply Chain impacts do you need NCC to coordinate with responsible agencies through Lifelines?		

No.	Information	Assigned to	Date/time required
27.	What do you need NCC to coordinate in terms of investigation of options for emergency supply chain (e.g. Harbour / port surveys, Overflights of state highways between regions)?		
28.	What is available in the region for use as an Assembly or Staging area?		
29.	What are the movement requirements of partner agencies that require coordination?		
Critical Resources and Capabilities			
30.	What are the critical resources or capabilities you need to preserve in your region, and what do you need to be coordinated into the regions and by when? (e.g. EMAT staff, key lifelines staff / engineers, rapid relief or welfare capabilities or resources etc). What are the worsening outcomes (inability to preserve life) if this is not achieved?		
31.	What are the requested priorities for movement of critical resources and capabilities into the regions?		
32.	Who is prioritising and coordinating air movement within the region?		
33.	What additional resources or capabilities are required to support emergency services operational activities?		
34.	What capabilities must be procured through MBIE? (e.g. additional PPE for an event concurrent to COVID-19 resurgence)?		
35.	How can fuel be distributed into regions with damaged supply chains?		
Welfare Services			
36.	What are the needs of communities?		
37.	Who are our most vulnerable groups, where are they and what are their needs?		
38.	What are the welfare services priorities in each region and how can the NCC coordinate support to those needs?		
39.	What are the areas of risk that Controllers have identified, that we will		

No.	Information	Assigned to	Date/time required
	choose not to respond to immediately and for what reason?		
40.	How many foreign nationals, and their nationality, do you have in the region requiring support and or repatriation?		
41.	What are the requirements for emergency shelter accommodation in the region, and how can those needs be met?		
42.	What capability and capacity do Iwi have to support a welfare response and how can Iwi be partnered with?		
43.	What rapid relief can be provided to regions?		
44.	What is the NGO activity in each impacted region and what coordination is required?		
45.	Is registration and needs assessment impacted by impacts to lifelines (e.g. power & comms)?		
46.	Is there any large scale requirement for animal welfare, and how can this be managed?		
Restoration of Lifeline Utilities			
47.	What is the status of our supply chain lifelines?		
48.	What are our immediate requirements for inspecting lifelines and critical infrastructure to prevent worsening outcomes?		
49.	What nationally significant lifelines or critical infrastructure impacts in the regions need to be prioritised for restoration?		
50.	What support to lifelines in one region might need to come from other regions (e.g. critical staff, spares or equipment)?		
51.	What options for air and sea transport still exist for response efforts due to impacts to road and rail?		
52.	What are the cascading impacts from lifelines failures? (e.g. road failure also causing loss of communications cabling?)		
Emergency Services			

No.	Information	Assigned to	Date/time required
53.	How have your emergency services partners been impacted in the regions?		
54.	What are the initial operational priorities for emergency services in the regions?		
55.	What requests for support or surge capability are they likely to request through their parent agency?		
56.	For events requiring a response concurrent to a COVID-19 resurgence in the community, are emergency services implementing health protection protocols?		
57.	Do emergency services have the required PPE to prevent worsening outcomes through inadvertent COVID-19 transmission during response actions?		
58.	What health protection protocols are required for international partners of our emergency services, and can we assure they are being applied?		
59.	How will USAR capabilities be prioritised between regions?		
Health Services			
60.	What is the capacity of regional health services to triage casualties within the region and what critical resources are required to support them?		
61.	How many priority patients require evacuation from the region for higher medical care and how is this best achieved with broken supply chain?		
62.	What is the capacity of the wider healthcare system to receive patients or casualties from impacted regions?		
63.	What is the current status of COVID-19 transmission in the community, and to what extent do we need to employ health protection measures at the local level?		
64.	What additional medical support is required to triage casualties in location prior to evacuation?		
Public Information Management			
65.	How will the public be warned in the absence of functioning telecommunications networks?		

No.	Information	Assigned to	Date/time required
66.	What PIM communication capabilities are available and where do gaps exist?		
67.	What ongoing warning requirements are there likely to be, and can effective messaging be achieved?		
68.	Are there impacts to lifelines that affect PIM and should they be a priority for reconnaissance and repair?		
69.	What information do we need to provide to people?		
70.	What are our key messages to people to prevent worsening outcomes?		

DRAFT

NZTA Highway Regional Emergency Situation Report			
Incident:	Severe Weather Event - West Coast and Upper South Island	Sit rep #	1
Date:	Thurs 10/02/21	Time:	1000hrs
Period covering:	1600hrs Wed 09/02/22 – 1000hrs Thurs 10/02/22		
Prepared by:	s9(2)(a)		
Approved by:	s9(2)(a), Controller		
Next Sit Rep:	1630hrs Thurs		

PART 1: SUMMARY	
Summary of incident	<p>Heavy rain warning (ORANGE) issued for Buller and Westland North of Hokitika for 23 hours from 12.00pm Wednesday to 11.00am Thursday, expect 140-170mm rain in the ranges and lesser amounts about the coast. Peak rates of 20-30mm/hr.</p> <p>Indications are rainfall volumes have exceeded forecast which has resulted in widespread flooding throughout the Grey and Buller districts.</p> <p>Numerous road closures centred around Westport.</p> <p>Metservice are forecasting rain in the region to ease, however a deep subtropical low is forecast to move over NZ from mid-Friday through the weekend bringing moderate to high confidence of heavy rain and severe gales for central and northern NZ. Current Metservice Warnings and Watches (Red and Orange only):</p> <p>Heavy Rain Warning - ORANGE</p> <ul style="list-style-type: none"> • Area: Mount Taranaki Period: 28hrs from 2pm Fri, 11 Feb - 6pm Sat, 12 Feb • Area: Tasman west of Motueka Period: 15hrs from 9pm Fri, 11 Feb - noon Sat, 12 Feb • Area: Horowhenua and Kapiti Period: 28hrs from 8pm Fri, 11 Feb - midnight Sat, 12 Feb • Area: Marlborough Sounds Period: 24hrs from 9pm Fri, 11 Feb - 9pm Sat, 12 Feb • Area: Tatarua Range Period: 40hrs from 8pm Fri, 11 Feb - noon Sun, 13 Feb • Area: Wairarapa about and south of Castlepoint, and Wellington Period: 30hrs from 8pm Fri, 11 Feb - 2am Sun, 13 Feb <p>Multiple AMBER Heavy Rain and Strong Wind Watches are also in place.</p> <p>The Regional Emergency Response Team (RERT) has been activated with inclusion of North Island managers for potential RERT activations in other regions.</p>
Critical Information	<p>West Coast</p> <p>The State Highways currently closed are: 67, 6 (multiple sections), 7, 69, and 65. Substantial damage expected though too early for full assessment.</p> <p>Local roads in the Buller and West Coast districts are also closed.</p> <p>Public road access to Westport is currently closed however access for emergency vehicles is available. The key focus of response resources is to restore public access via the SH6 coastal road and this is anticipated by end of day.</p> <p>River levels are expected to peak around midday, and damage assessment and repair activities along the SH6 Buller Gorge can then commence.</p> <p>Tasman/Marlborough</p> <p>One road closure was in place however has now been lifted. Crews continue to monitor State highways for any flooding and slips.</p> <p>North Island</p> <p>The weather situation is being monitored.</p>
Actions carried out since last Sit Rep	<p>Media release distributed.</p> <p>Established Waka Kotahi RERT.</p>
Risks - to SH network only	<p>Road closures. Damage to SH infrastructure.</p> <p>Surface flooding, slips, washouts, debris in rivers causing damage to structures, bridge approach washouts, bridges overtopping due to river flows.</p> <p>SH1 Weld Pass roadworks scheduled to commence Sunday night – TBC.</p>
Risk Management	<p>Precondition messaging via tries, social media, VMS signs.</p> <p>Cyclic crews patrolling network, focusing on at risk locations/sections.</p> <p>Operations manager undertaking inspections in South Westland. Based in Haast overnight.</p> <p>Civil contractors moved to Whataroa and Haast.</p> <p>Civil and cyclic crews operating in isolation to manage omicron risk.</p>
Predicted progression	Rain forecast to ease mid-morning. River levels expected to peak mid/late afternoon Thurs.
Resources in place	Yes
Required resources	Nil

PART 2: DETAILED STATUS AND INTENDED ACTIONS

Land Transport System			
Road		Region/Location	Impact and actions
West Coast			
SH6		Haast Pass to Greymouth	Open No further damaged noted following last weeks impacts
SH6		Greymouth to Punakaiki	Closed – likely to open 1pm Surface Flooding at Coal Creek Slips at Barrytown Access for Emergency vehicles available to Westport
SH6		Punakaiki to Westport	Closed – likely to open 1pm Slips at Costellos Hill Access for Emergency vehicles available to Westport
SH6		Westport to Inangahua (Lower Buller Gorge)	Closed – Update 10am Friday Buller river 11.2m. Road inundated at the Inangahua Dip and Hawks Crag Multiple slips and trees down noted throughout prior to gorge. River levels need to drop before inspections can proceed.
SH6		Inangahua to O’Sullivans Bridge (Upper Buller Gorge)	Closed – Update 10am Friday Flooding and slips Loaders clearing through from Murchison end to establish access.
SH7		Greymouth to Reefton	Closed Surface flooding at Stillwater Underpass
SH7		Reefton to Springs Junction (Rahu)	Closed – Update 10am Friday Access for inspections limited. Inangahua River has flooded the road in multiple locations. Scour and underslips noted. Multiple overslips. Gear enroute to clear slips.
SH7		Springs Junction to Lewis Pass	
SH7			
SH67		Westport to Mohikanui	Closed – Update 6pm Thursday
SH67a		Westport to Cape Foulwind	Open Surface flooding
SH69		Reefton to Inangahua Junction	Closed – Update 10am Friday 
Tasman			
SH65		Springs Junction to O’Sullivans Bridge	Closed Flooding at Rapahanoc and O’Sullivans Slips through Shennendoah Next update 5pm
SH6		O’Sullivan’s Bridge to Murchison	Flooding

PART 3: DETAILED DISTRIBUTION LIST

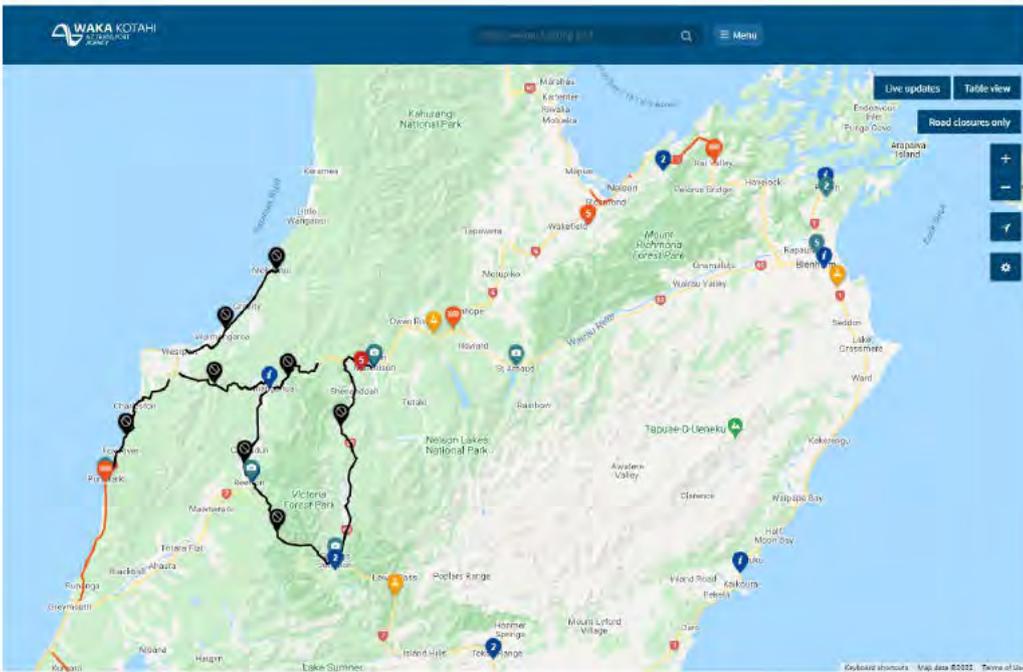
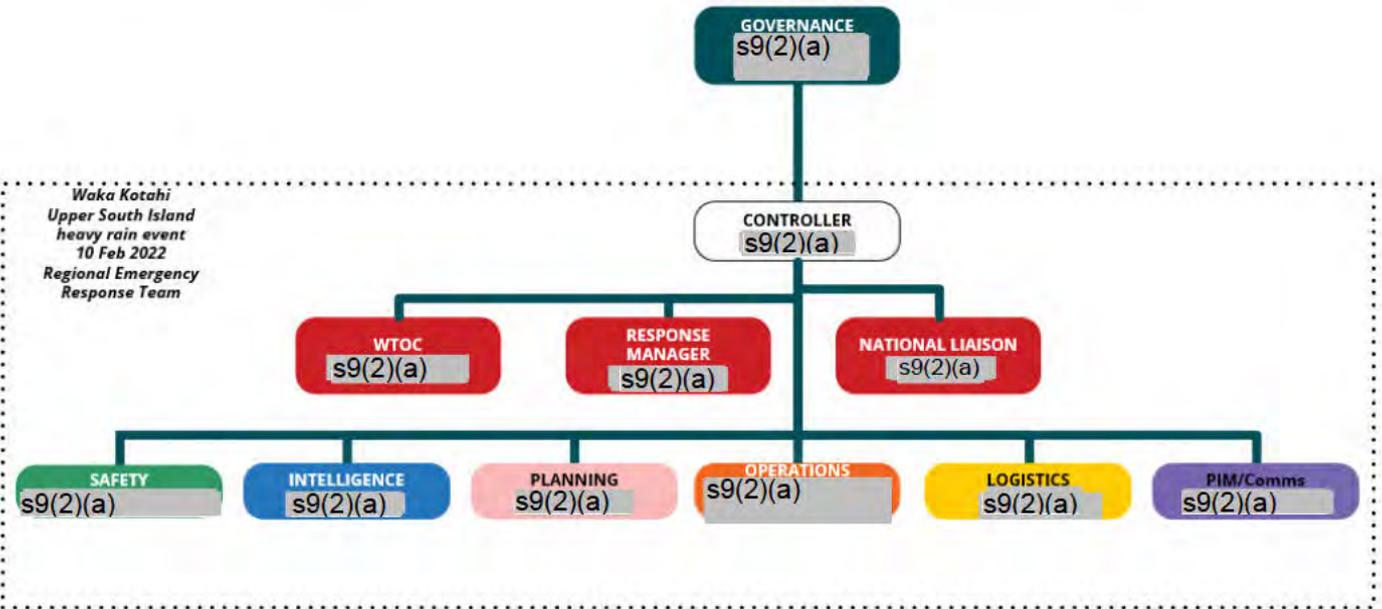
Name	Details
s9(2)(a)	

s9(2)(a)

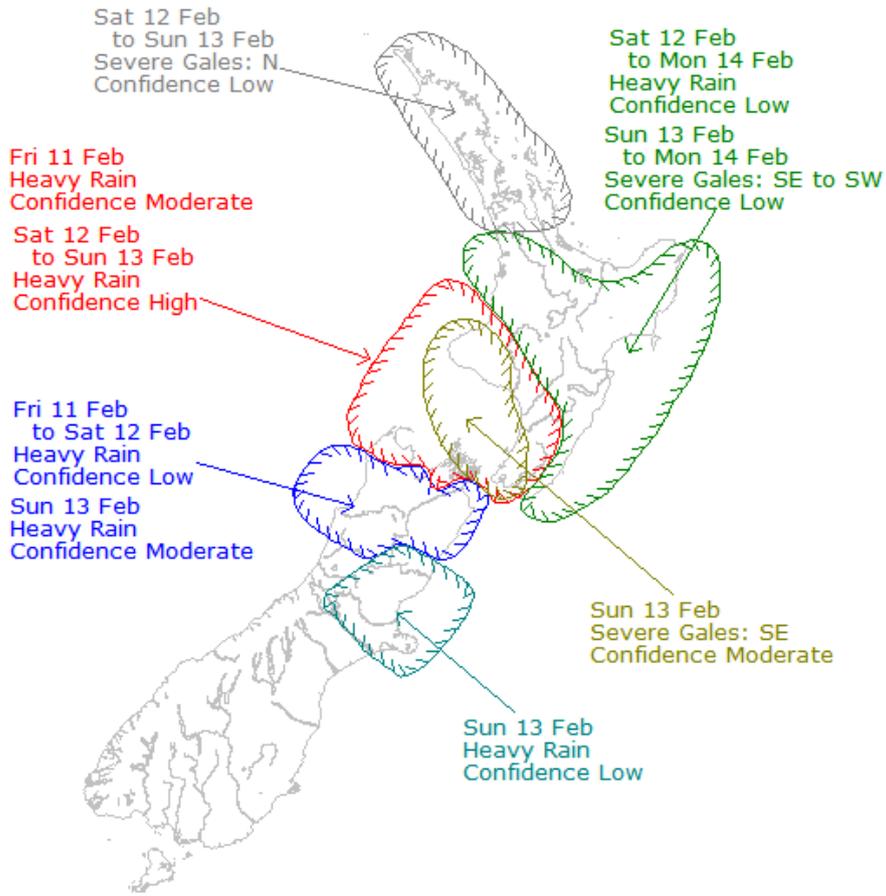
NEMA

Ncc.intelligence@nema.govt.nz

s9(2)(a)



Valid Fri 11-Feb-2022 through Mon 14-Feb-2022



Issued 03:52 pm 09-Feb-2022

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Severe weather by region

NORTH ISLAND

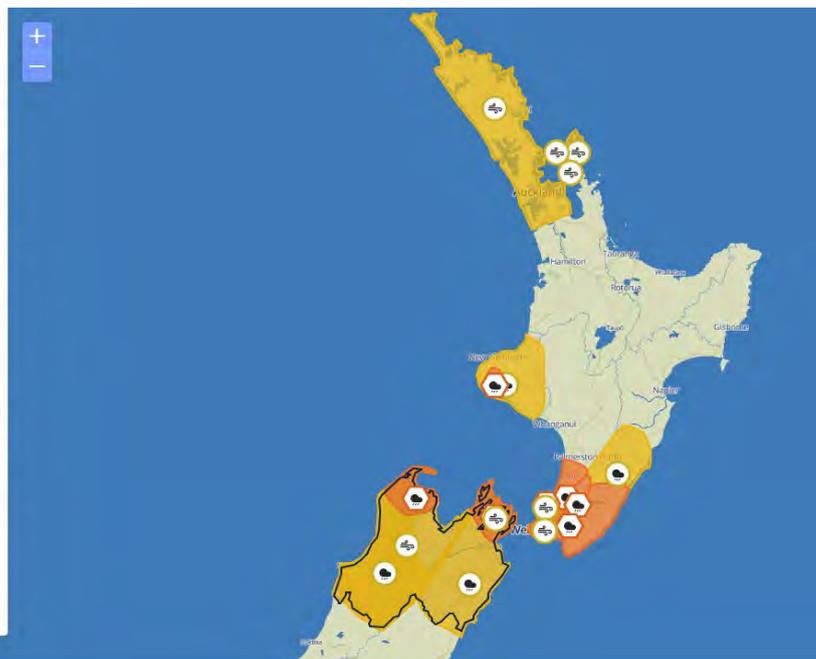
- Upper 1 Warning/Watch >
- West 2 Warnings/Watches >
- Central 0 Warnings/Watches >
- East 0 Warnings/Watches >
- Lower 5 Warnings/Watches >

SOUTH ISLAND

- Upper 6 Warnings/Watches >
- Central 0 Warnings/Watches >
- Lower 0 Warnings/Watches >

OTHER ISLANDS

- Chatham Islands 0 Warnings/Watches >



NZTA Highway Regional Emergency Situation Report			
Incident:	Severe Weather Event - West Coast and Upper South Island	Sit rep #	2
Date:	Thurs 10/02/21	Time:	1630hrs
Period covering:	1000hrs Thurs 10/02/22 – 1630 Thurs 10/02/22		
Prepared by:	s9(2)(a)		
Approved by:	s9(2)(a), Controller		
Next Sit Rep:	1030hrs Fri		

PART 1: SUMMARY	
Summary of incident	<p>Heavy rain warning (ORANGE) issued for Buller and Westland North of Hokitika for 23 hours from 12.00pm Wednesday to 11.00am Thursday, expect 140-170mm rain in the ranges and lesser amounts about the coast. Peak rates of 20-30mm/hr.</p> <p>Indications are rainfall volumes have exceeded forecast which has resulted in widespread flooding throughout the Grey and Buller districts.</p> <p>Numerous road closures centred around Westport.</p> <p>Metservice are forecasting rain in the region to ease, however a deep subtropical low is forecast to move over NZ from mid-Friday through the weekend bringing moderate to high confidence of heavy rain and severe gales for central and northern NZ. Current Metservice Warnings and Watches (Red and Orange only):</p> <p>Heavy Rain Warning - ORANGE</p> <ul style="list-style-type: none"> • Area: Mount Taranaki Period: 28hrs from 2pm Fri, 11 Feb - 6pm Sat, 12 Feb • Area: Tasman west of Motueka Period: 15hrs from 9pm Fri, 11 Feb - noon Sat, 12 Feb • Area: Horowhenua and Kapiti Period: 28hrs from 8pm Fri, 11 Feb - midnight Sat, 12 Feb • Area: Marlborough Sounds Period: 24hrs from 9pm Fri, 11 Feb - 9pm Sat, 12 Feb • Area: Tararua Range Period: 40hrs from 8pm Fri, 11 Feb - noon Sun, 13 Feb • Area: Wairarapa about and south of Castlepoint, and Wellington Period: 30hrs from 8pm Fri, 11 Feb - 2am Sun, 13 Feb <p>Multiple AMBER Heavy Rain and Strong Wind Watches are also in place.</p> <p>The Regional Emergency Response Team (RERT) has been activated with inclusion of North Island managers for potential RERT activations in other regions.</p> <p>A local state of Emergency was declared in Buller. https://www.civildefence.govt.nz/?s=2022-01-24%2000:01:29</p> <p>Mandatory evacuations in Westport commenced around 2:31pm.</p> <p>The National Emergency Management Agency National Coordination Centre (NEMA NCC) was activated in support of the response to the West Coast Severe Weather event.</p> <p>s9(2)(a) has spoken with MOT – decision not to activate the TRT because the impact is currently only affecting road transport and because of the RERT and engagement directly with NEMA and CDEM Groups.</p>
Critical Information	<p>West Coast</p> <p>The State Highways currently closed are: 67, 6 (3 sections), 7, 69, and 65. Damage assessments underway as access allows. Significant damage SH67 north of Westport with known slips. Local roads in the Buller and Grey districts are also closed.</p> <p>SH6 from Westport to Greymouth has re-opened with speed restrictions and surface-level flooding.</p> <p>SH7 from Springs Junction to the SH7A Hanmer Spring turnoff was closed due a minor slip near Maruia Springs. This is expected to be cleared by end of day, however a soft closure with messaging will remain in place due to the continuing inability to travel beyond Springs Junction. This response is being coordinated between the West Coast and North Canterbury NOCs.</p> <p>While the rain has stopped in Westport, river levels are continuing to rise and expected to peak by 7pm. State highway damage assessment and repair activities along SH67 and the SH6 Buller Gorge have not yet been able to commence.</p> <p>SH6 Murchison to O'Sullivan closed to public though local resident access available.</p> <p>Tasman/Marlborough</p> <p>One road closure was in place however has now been lifted. Crews continue to monitor State highways for any flooding and slips.</p> <p>Standing down some staff prep for weekend. Asked CD re Heli – still organising.</p> <p>North Island</p> <p>The weather situation is being monitored.</p>
Actions carried out since last Sit Rep	<p>Media release distributed.</p> <p>Established Waka Kotahi RERT.</p> <p>Checked that emergency services / NOC crews have swept the closed roads for any trapped vehicles.</p> <p>SH6 Westport to Greymouth section re-opened. 1pm. Minor damage, slip clearance continues.</p>

	<p>Preparing to assist Buller DC with SH67 Special Purpose Rd Mohinui to Karamea. SH69 inspected – mostly pavement damage. SH7 slip clearance and rock scour protection underway.</p> <p>Metservice briefings regarding the developing weather situation from Friday to Sunday.</p> <p>Some NOC resources stood down for rest prior to likely activation over the weekend.</p>
Risks - to SH network only	<p>Road closures. Damage to SH infrastructure.</p> <p>Surface flooding, slips, washouts, debris in rivers causing damage to structures, bridge approach washouts, bridges overtopping due to river flows.</p> <p>SH1 Weld Pass roadworks scheduled to commence Sunday night – TBC.</p>
Risk Management	<p>Precondition messaging via TREIS, social media, VMS signs.</p> <p>Cyclic crews patrolling network, focusing on at-risk locations/sections.</p> <p>Operations manager undertaking inspections in Buller. Based in Reefton overnight.</p> <p>Civil and cyclic crews operating in isolation to manage omicron risk.</p> <p>North Canterbury NOC aware of the developing weather situation and ready to activate Kaikoura coast protocols.</p> <p>Fatigue management of resources being considered.</p>
Predicted progression	<p>SH67 inspections commence Friday after flood levels drop.</p> <p>SH6 Murchison to O'Sullivan closed to public. Likely reopen Friday.</p> <p>Lower rainfall on the West Coast expected from now through to midday Friday, however rain then expected to develop to heavy levels over Saturday and Sunday as ex-tropical cyclone Dovi bears down on NZ from the west. Some uncertainty in the modelling but at this stage Metservice have issued heavy rain and wind warnings though Buller/Marlborough and the upper South Island/Lower North Island. Gale force south-easterlies possible on Sunday. Rain is expected to ease Monday.</p>
Resources in place	Yes
Required resources	Nil

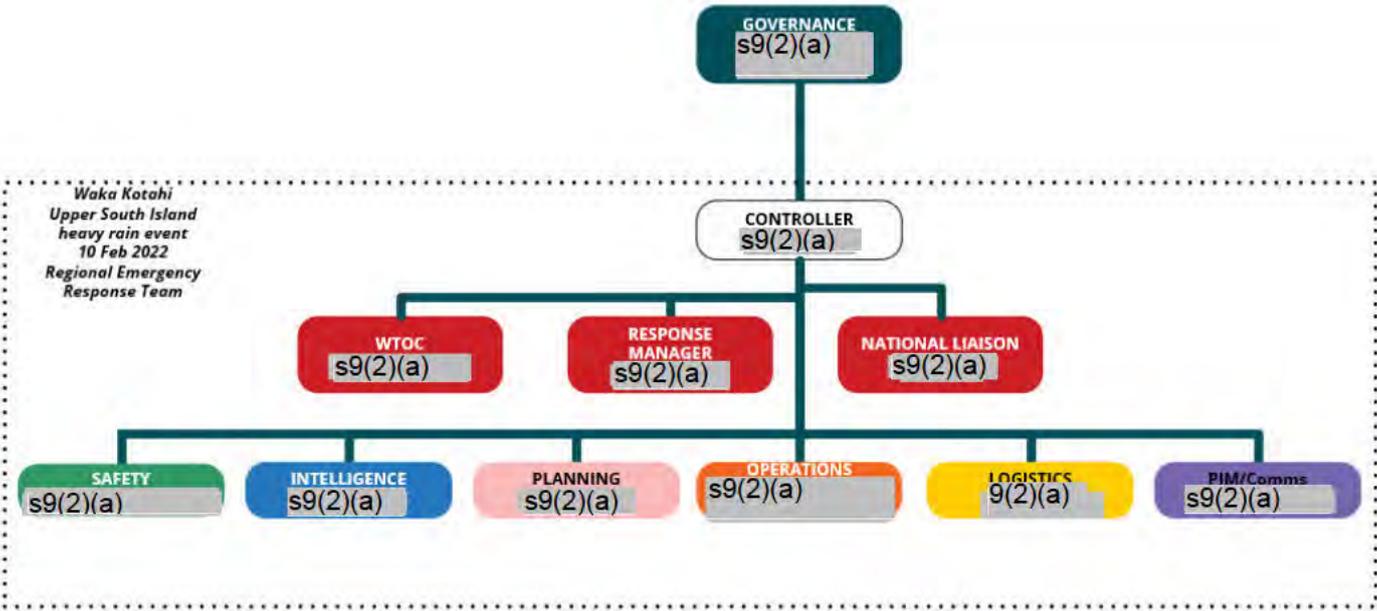
PART 2: DETAILED STATUS AND INTENDED ACTIONS

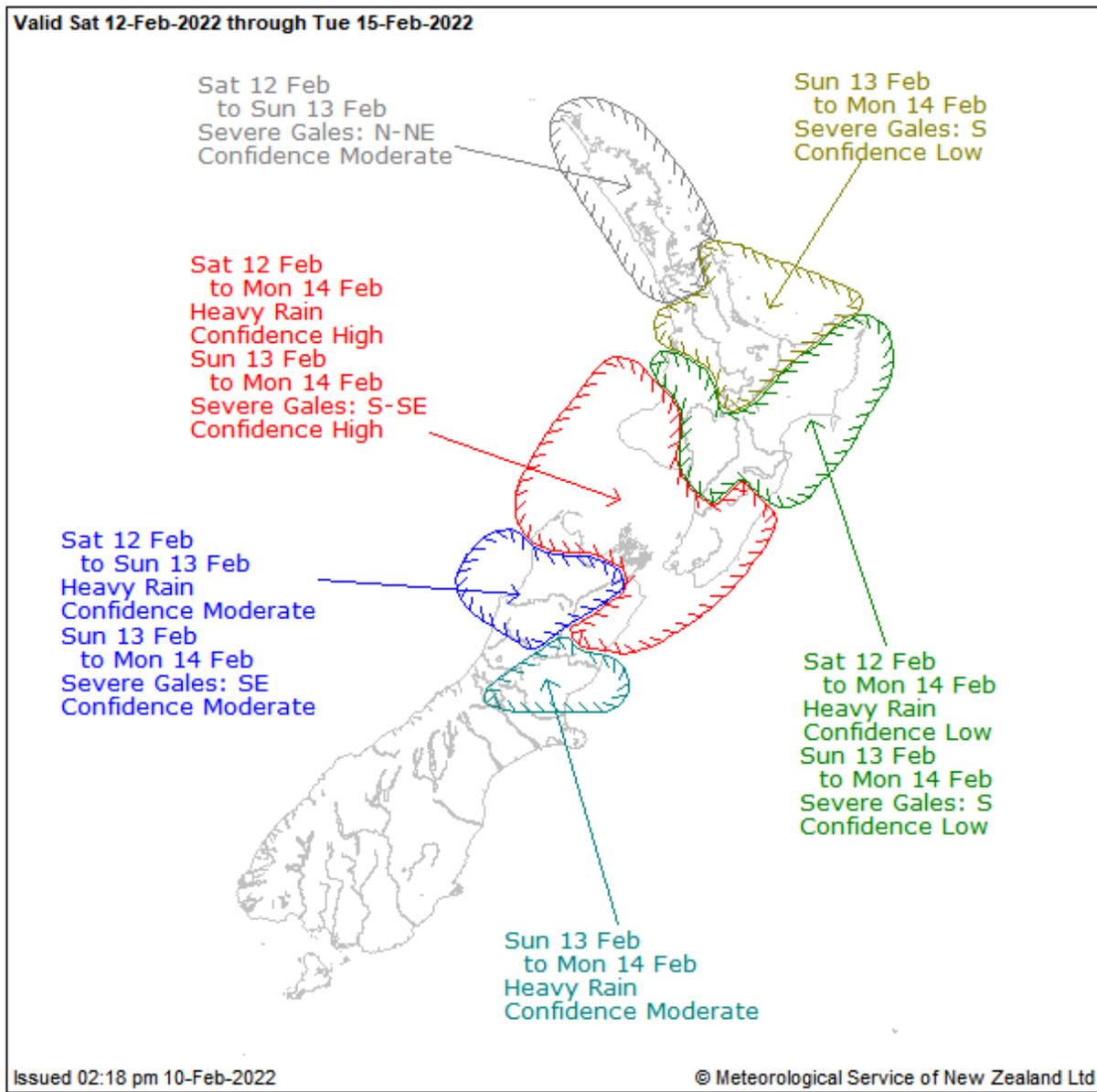
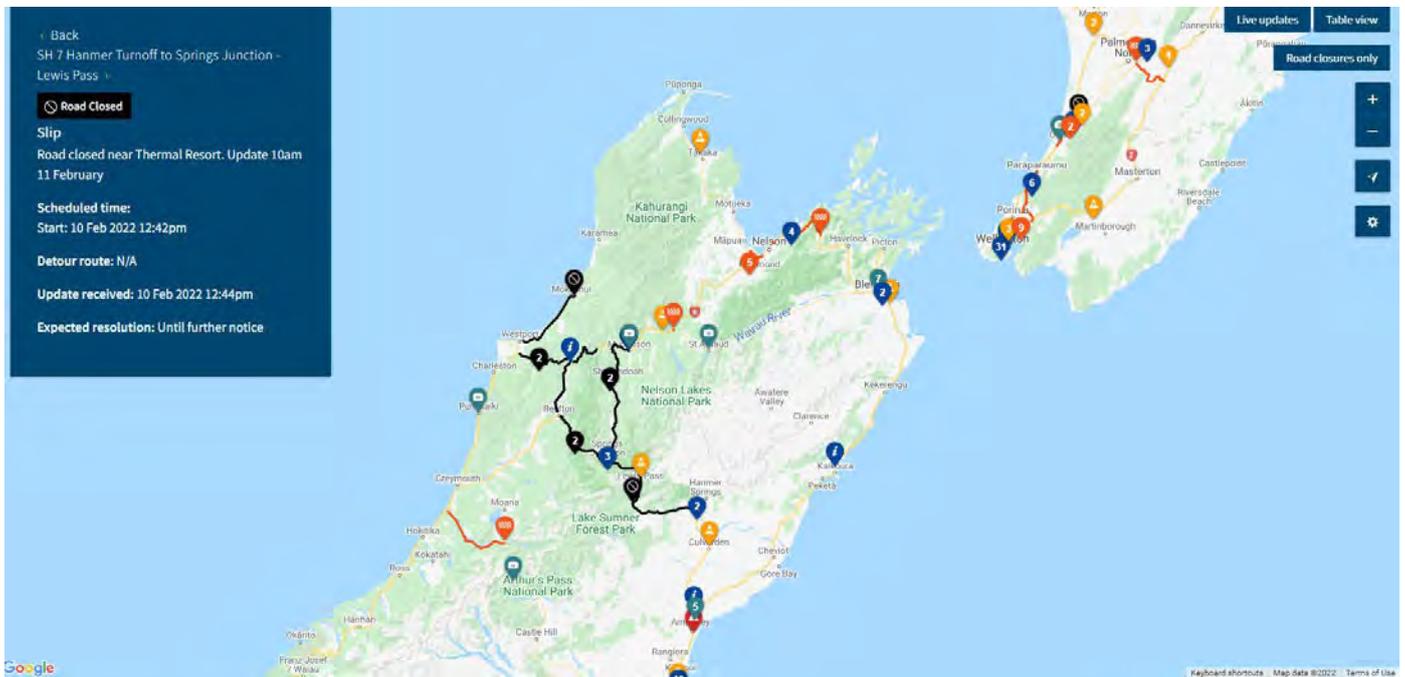
Land Transport System			
Road		Region/Location	Impact and actions
West Coast			
SH6		Haast Pass to Greymouth	<p>Open</p> <p>No further damaged noted following last weeks impacts</p> 
SH6		Greymouth to Punakaiki	<p>Open</p> <p>Single lane sections with traffic control.</p> <p>Surface Flooding at Coal Creek</p> <p>Slips at Rapahoe and Barrytown</p>

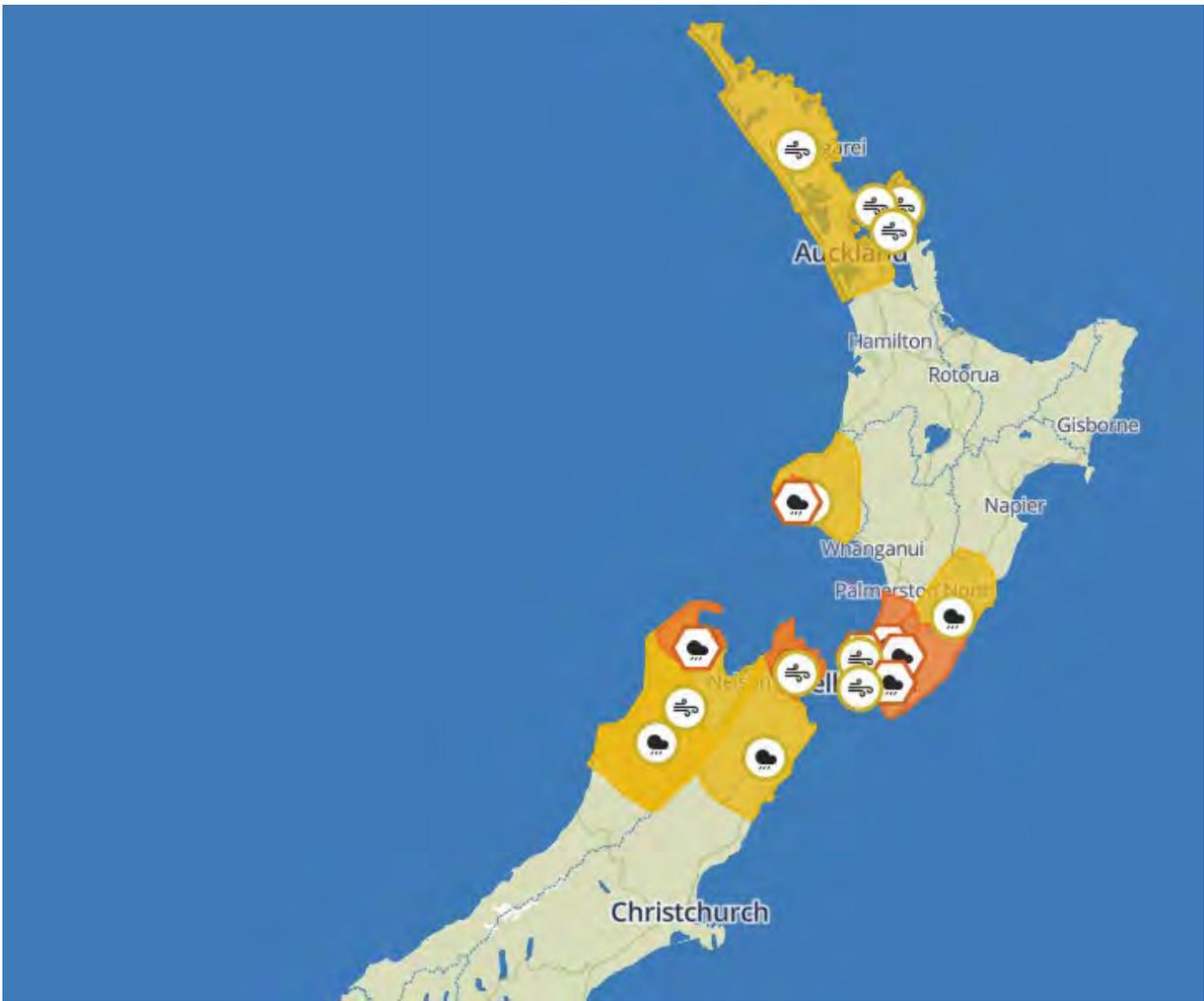
			
SH6		Punakaiki to Westport	Open Single lane sections with traffic control throughout Slips at Costellos Hill
SH6		Westport to Inangahua (Lower Buller Gorge)	Closed – Update 10am Friday Buller river 11.2m. Road inundated at the Inangahua Dip and Hawks Crag Multiple slips and trees down noted throughout prior to gorge. River levels need to drop before inspections can proceed.
SH6		Inangahua to O’Sullivan’s Bridge (Upper Buller Gorge)	Closed – Update 10am Friday Flooding and slips Loaders clearing through from Murchison end to establish access. River levels need to drop before inspections can proceed.
SH7		Greymouth to Reefton	Closed Surface flooding at Stillwater Underpass
SH7		Reefton to Springs Junction (Rahu)	Closed – Update 10am Friday Access for inspections limited. Inangahua River has flooded the road in multiple locations. Scour and underslips noted. Multiple overslips. Gear enroute to clear slips, pending river levels dropping.
SH7		Springs Junction to Lewis Pass	Closed – Update 10am Friday
SH67		Westport to Mohikanui	Closed – Update 10am Friday
SH67a		Westport to Cape Foulwind	Open Surface flooding at Carters Beach with pavement damage
SH69		Reefton to Inangahua Junction	Closed – Update 10am Friday 
Tasman			
SH65		Springs Junction to O’Sullivan’s Bridge	Closed – Update 10am Friday Flooding at Rapahanoc and O’Sullivan’s Slips through Shennendoah River levels continuing to rise.
SH6		O’Sullivan’s Bridge to Murchison	Closed Flooding

PART 3: DETAILED DISTRIBUTION LIST

Name	Details
s9(2)(a)	







SITUATION REPORT

Completed by Intel



WEST COAST
EMERGENCY MANAGEMENT

GROUP

Incident/Event	Orange weather event	EOC Location	Buller District EOC	SITREP Number	0001
Date	Thursday, 10 February 2022	Time	12.00		
Author	s9(2)(a)	Contact Details	s9(2)(a)		

EMERGENCY RESPONSE STATUS

Level 1: Alert <input type="checkbox"/>	Level 2: Activation <input type="checkbox"/>	Level 3: Local Declaration <input checked="" type="checkbox"/>	Level 4: Group Declaration <input type="checkbox"/>	Level 5: Nat Declaration <input type="checkbox"/>
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EOC CONTACTS

Radio VHF Ch.	Telephone	Email	Satellite Phone
ESB2	0800 768 348	bdc.welfare@bdc.govt.nz	
Primary method of comms:	Telephone/Email	Systems at Risk:	None

SITUATION OVERVIEW

Cause of emergency, geographic location, main impacts/consequences (succinct statement), escalating/de-escalating

Extent or area affected – include map

Orange weather event heavy rain event causing flooding in Buller region. Civil defence activated with state of emergency declared 9.45am.

River levels have been increasing with multiple road closure restricting access.

Expected Buller river peak at midday-2pm. Next High tide at 1854.

Voluntary evacuations encouraged for known at risk areas.

PEOPLE ASSESSMENT

Sector	Displaced	Missing	Fatalities	Injured

DISPLACED

Evacuees, e.g. Welfare Accommodation, where, estimated time before re-occupation is possible

Note: Table information is appropriate

Voluntary evacuation encouraged. Limited numbers in the active evac centres so far

PEOPLES CRITICAL NEEDS

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

COMMUNITY INFRASTRUCTURE NEEDS

Rest homes

Status of these facilities, what impacts or consequences are occurring, are they managing

Education Institutions

Have schools closed etc

Advised children to stay home today.

Community Infrastructure Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

PROPERTY STATUS**Residential Housing**

Numbers and locations of seriously damaged and condemned

N/A

Commercial Property

Numbers and locations of seriously damaged and condemned, estimated time of closure

N/A

Housing and Property Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

N/A

TRANSPORT INFRASTRUCTURE NEEDS**Road Status**

Detail the extent of damage, the area affected, response taken, and length of time to reinstate – Local roads and State Highway

All state highways in to Reefton, Karamea and Westport unavailable at 8am. Update expected at 12 from NZTA and contractors. Many slips and drop outs being managed by contractors as possible.

Reported bridge lost at Boatmans on Blairs Road near Reefton.

Airport Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Operating per normal with surface water in area. Staff monitoring situation.

Port Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate – status of the bar

Rail Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Rail line at Stephens road has not be reinstated since last week event. Damage near Birchfield.

Transport Infrastructure Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Ngakawau river slip reported. To be inspected asap with Helicopter for potential risk impacts if blocked.

LIFELINE UTILITY STATUS**Electricity**

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Generators arranged in isolated areas last week still available.

Telecommunications

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Functioning

Water

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Inangahua supply out of action for short term, expected 2 days to reinstate.

Waimangaroa supply out of action due to slip.

Reefton Boil water noptice advised.

Waste Water

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Westport discharging to Buller river as needed. Plant in bypass.

Petroleum

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Local supply only with state highways closed.

Lifeline Utility Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Current lists with welfare, power, emergency following last week event. EMS teams working with these people and appropriate location.

ENVIRONMENTAL STATUS

Waste and pollution

Debris, garbage and spills, issues with large scale removal and processing of

Normal collection in areas delayed due to road closures

Farming community and agriculture

Extent of impact on the farming community and response taken

Several farms on alert and moving livestock as required.

Environmental Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

RECOVERY STATUS

Summary

List any activity that has occurred or needs to occur. Has a Local Recovery Manager been appointed?

Community Hub is operating and navigators working with vulnerable parties.

PLANNING

Plans

Summary of Response Coordination Plan (briefing times, deadlines, key EOC activities)

Partial Evacuation options being explored with several centres being activated with others on standby.

Potential Issues

Factors that may affect the response/recovery positively or negatively

Road Closures,
Overcast conditions limiting flights to/in the area
Several flood level sensors not functioning.

Hazards and Warnings

Include information on the hazard, such as the latest MetService warnings/information etc

Metservice has lifted the orange warning with pockets of heavy rain still expected throughout the day.

Anticipated Situation Development

How is the event anticipated to evolve

River expected to peak 12-3pm Thursday

Priority Actions

List the key priorities for the management of the response over the next 24 hours or period as set by the Local/Group Controller

Road clearance and inspections to provide emergency access to isolated areas

The next SITREP will be issued at

Date	Thursday, 10 February 2022	Time	1800 hrs
Controller Name	s9(2)(a)	Signature	s9(2)(a)

Appendix 1:

[Add appendices here for items such as maps]



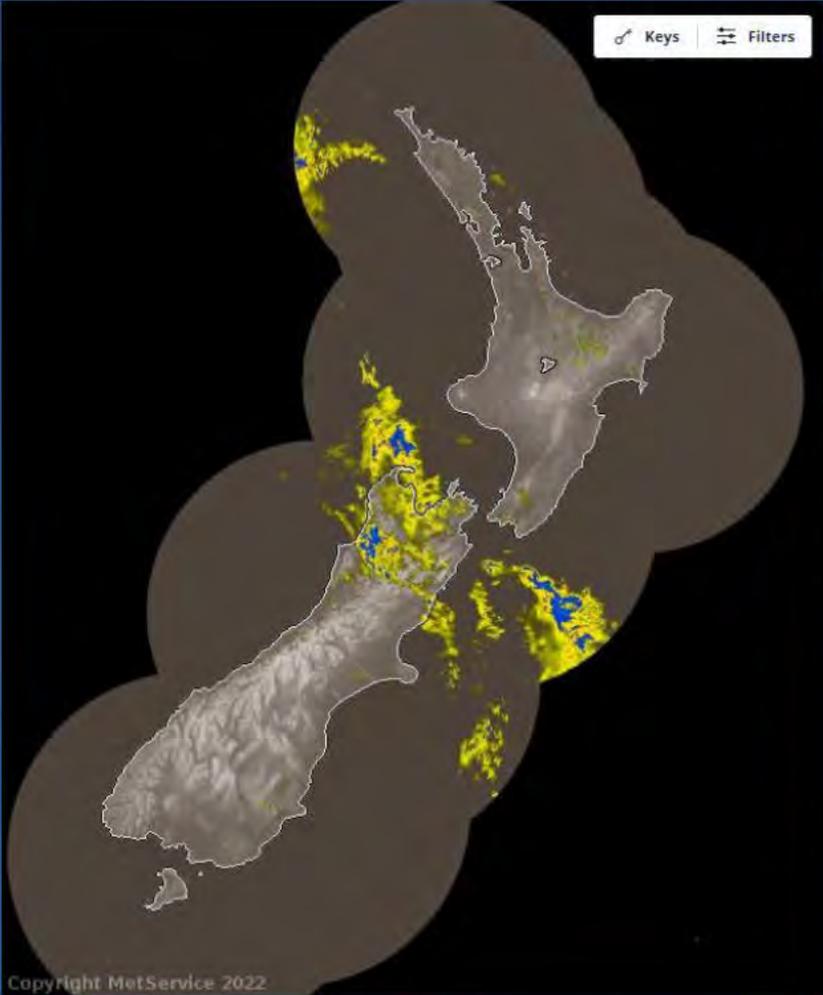
10 Feb, MetService weather briefing

s9(2)(a)

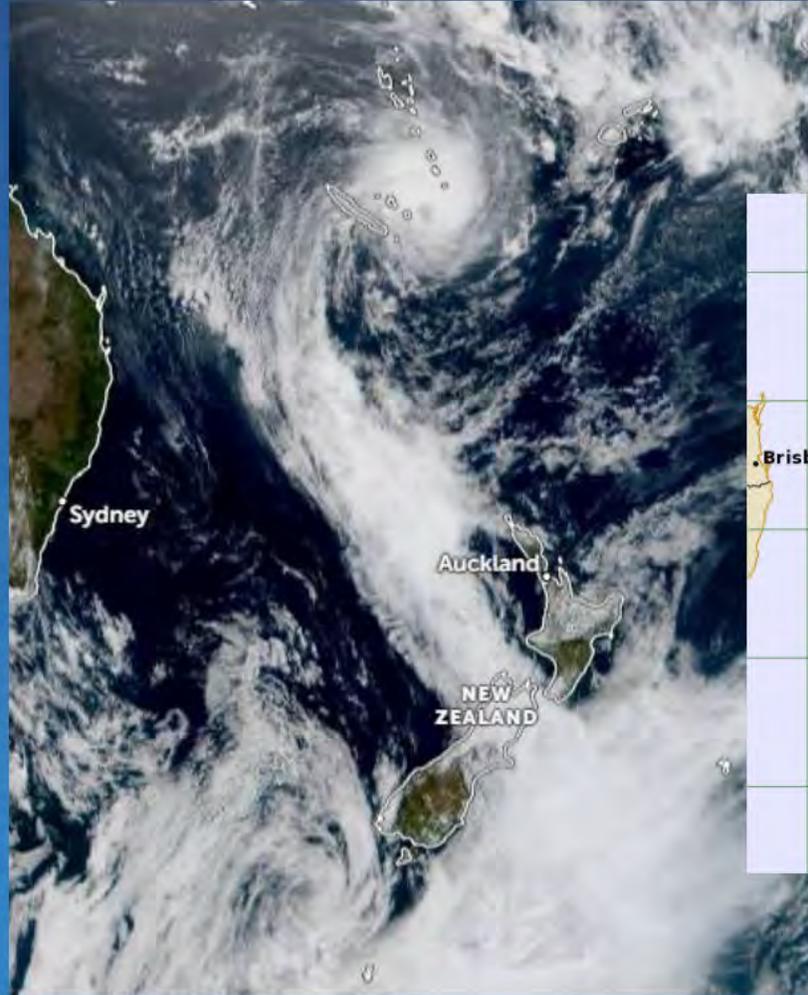
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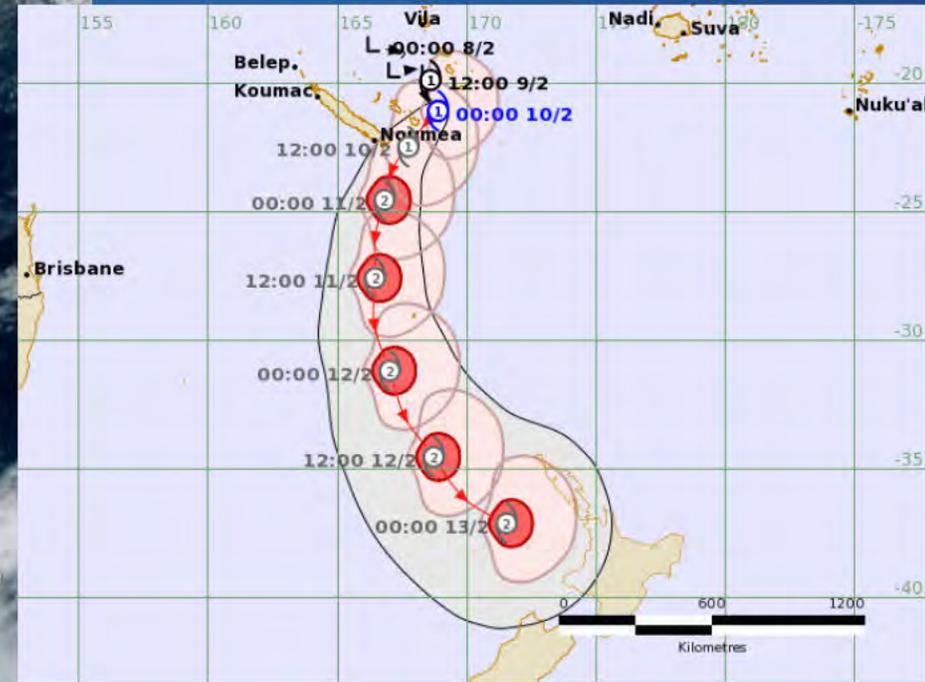
2:45pm radar image



2pm satellite image
TC Dovi between
Vanuatu and New Caledonia



1pm cyclone track map from
Fiji Met Service



EC

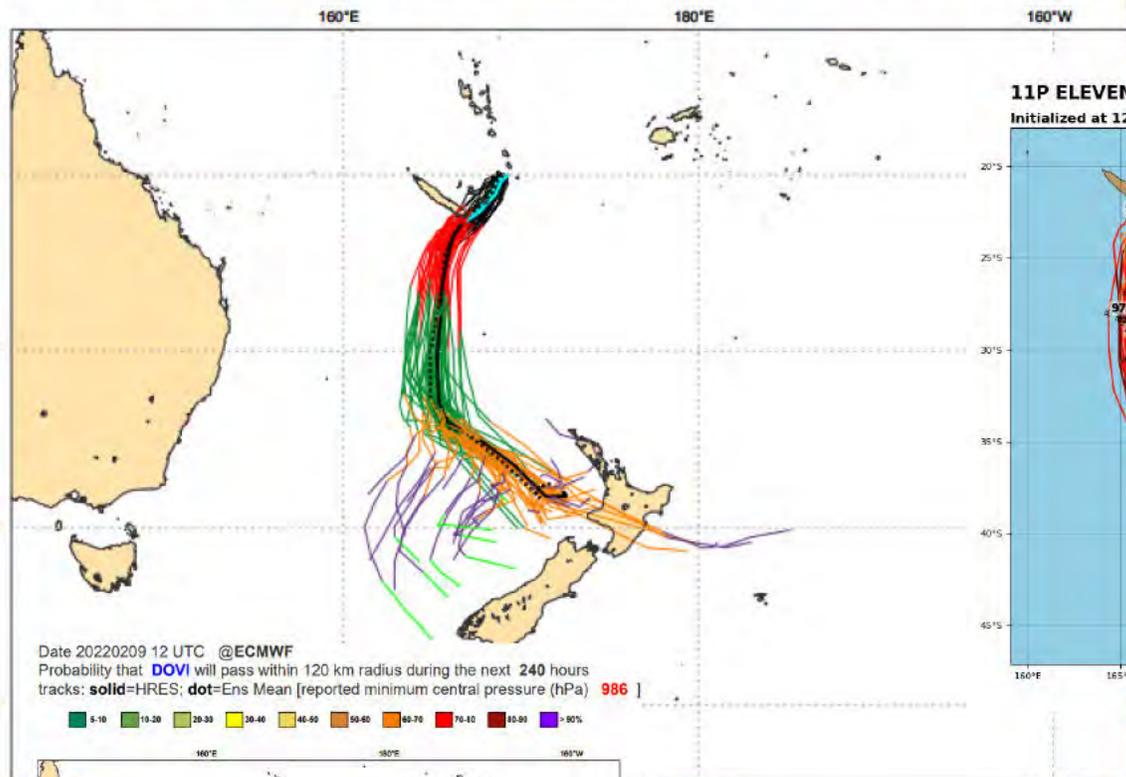
US

UK

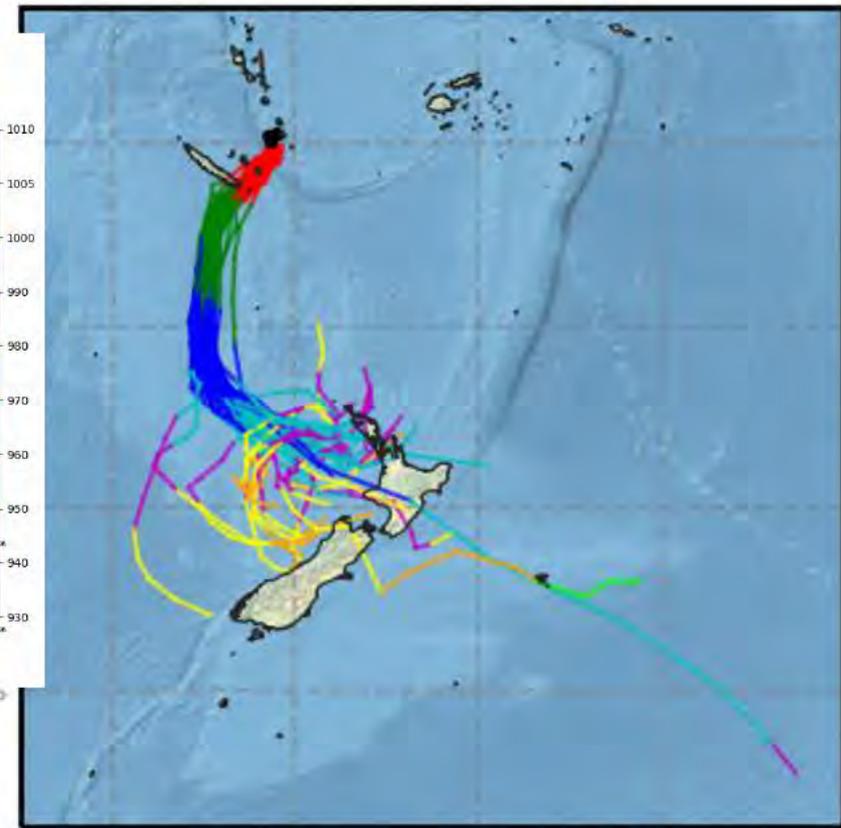
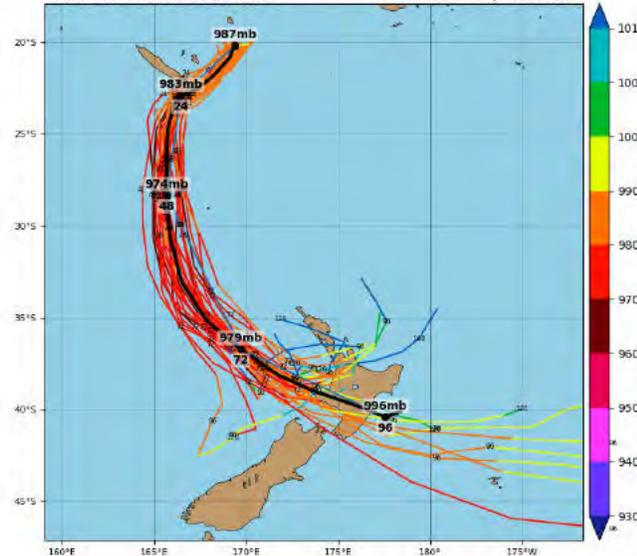
Date 20220209 12 UTC @ECMWF
 Individual trajectories for **DOVI** during the next 240 hours
 tracks: **thick solid**=HRES; **thick dot**=CTRL; **thin solid**=EPS members [coloured]
 0-24h 24-48h 48-72h 72-96h 96-120h 120-144h 144-168h 168-192h 192-216h 216-240h



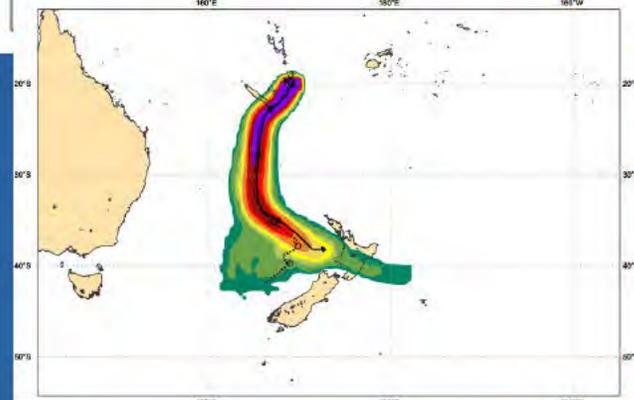
MOGREPS-G: Forecast TC tracks for DOVI from 12 UTC Wed 09 Feb 2022



11P ELEVEN - GEFS Tracks and Min. MSLP (hPa)
 Initialized at 12z Feb 09 2022
 Levi Cowan - tropicaltidbits.com



0-24h	24-48h	48-72h	72-96h
96-120h	120-144h	144-168h	168-192h
●-● Observations			

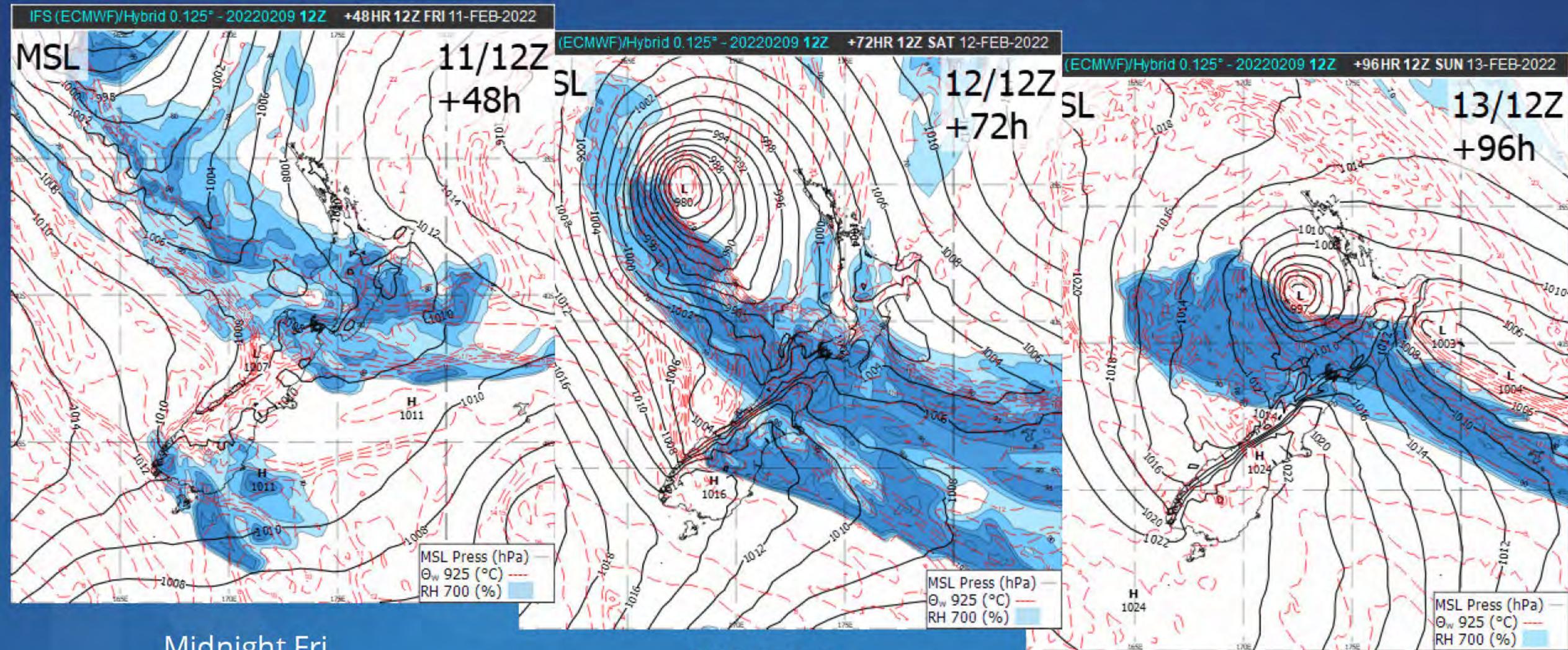


Ensemble tracks

← EC strike probability



Probable scenario based on current modelling
Ex-TC approaching N.I. on Sunday, but slow-moving rainband over central NZ



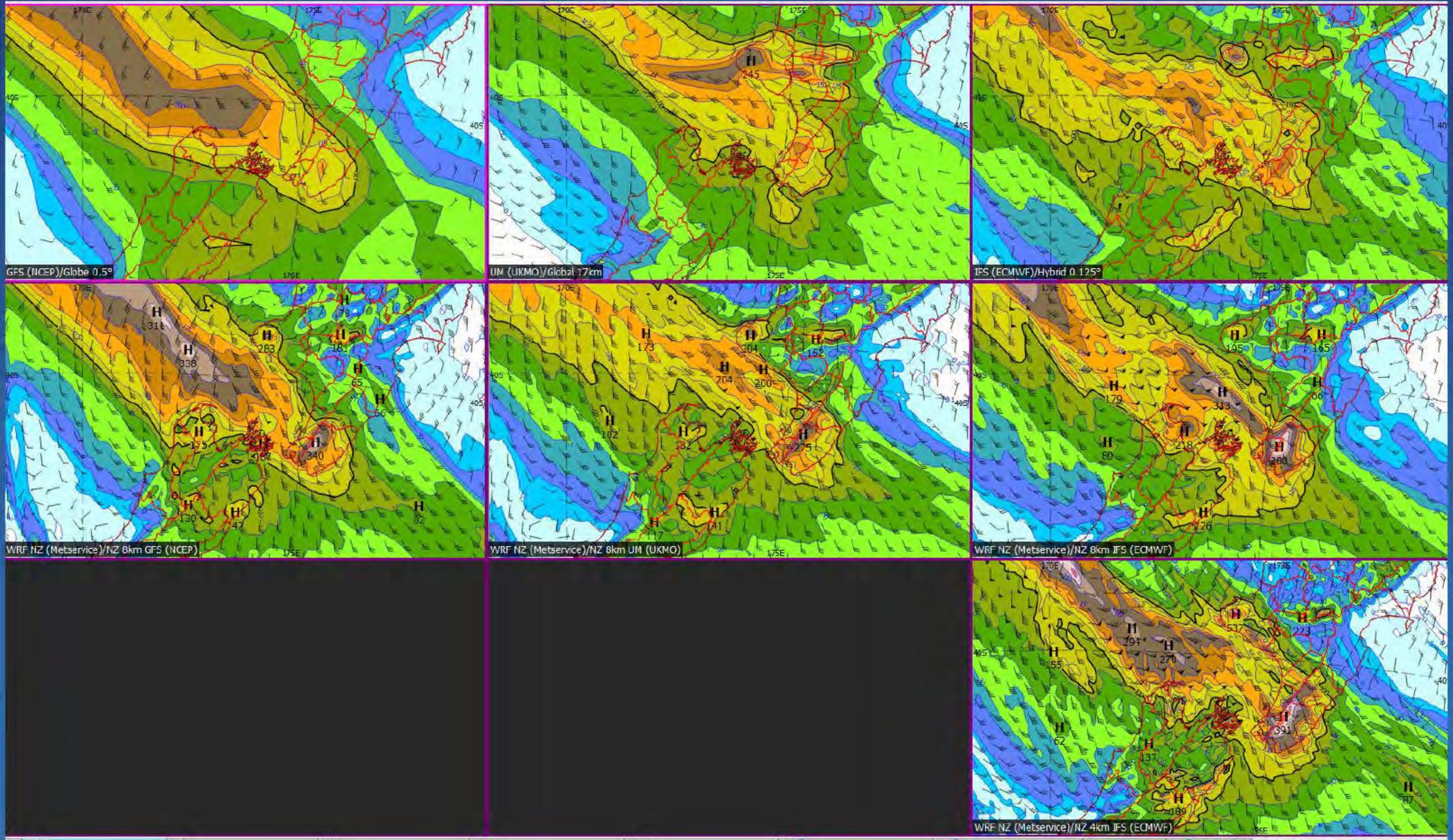
Midnight Fri
(1am Sat)

Midnight Sat
(1am Sun)

Midnight Sun
(1am Mon)

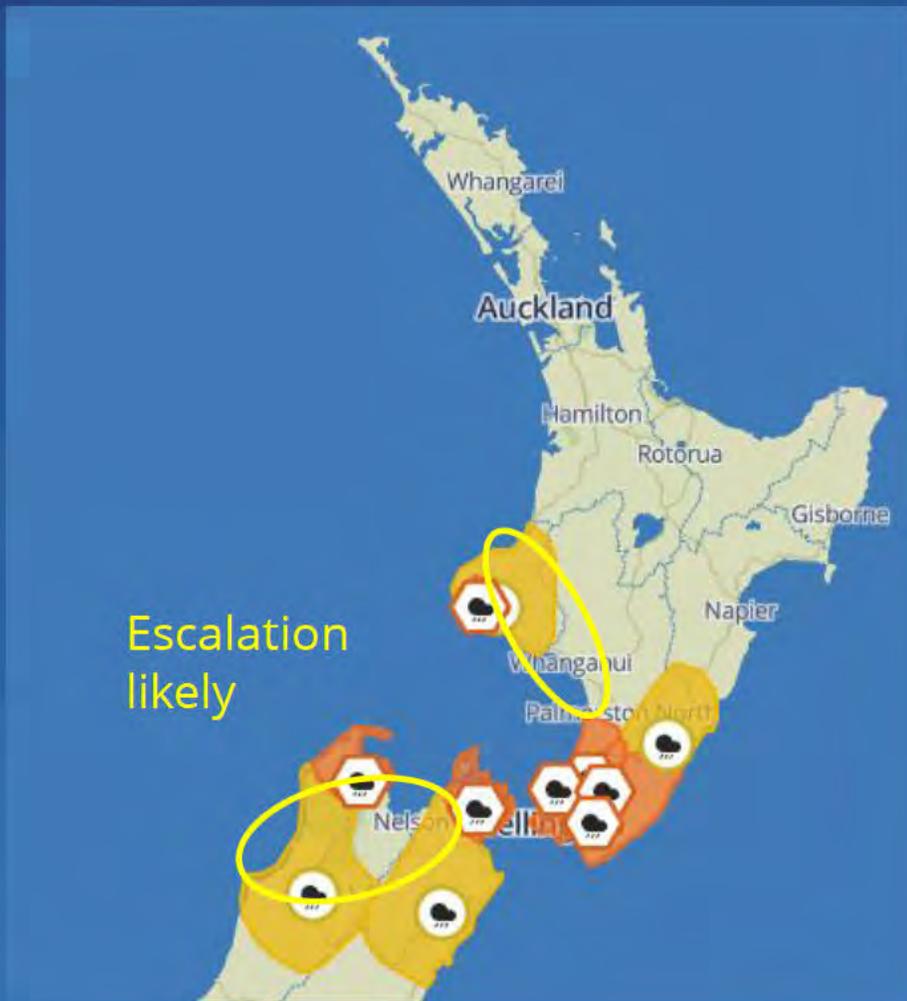


48 hour rainfall – midday Fri to midday Sun



Current Watches and Warnings

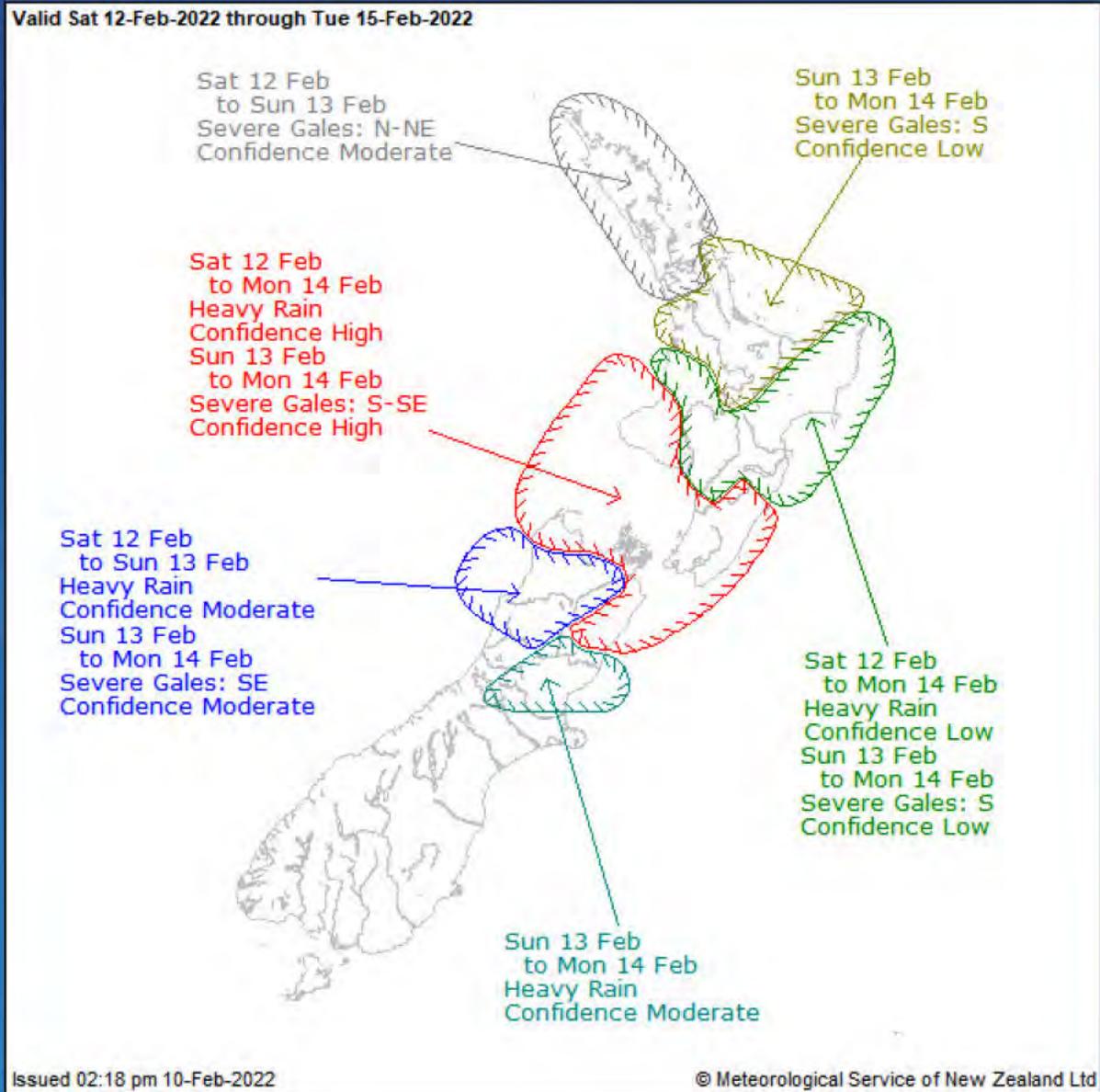
Rain



Wind



Severe Weather Outlook



Key messages

Cyclone track is uncertain beyond Sunday and a tropical airmass is always trouble (intense rain rates and flooding possible)

Buller/central NZ

- Heaviest rain eased over Buller, rain continuing to ease afternoon/evening
- Another burst of rain moving onto central NZ during tomorrow (incl Buller – moderate initially, low chance heavy evening)
- Buller – periods of moderate rain Sat, heavier late Sat into Sun (and strong/gale SE winds possible on Sun)
- Risk of flooding and road closures for upper SI increases from Sat to Sun (noting there are already issues)

Elsewhere

Heavy rain:

- northern Marlborough (Rai/Richmond Range area), Tararua Range/Kapiti Coast/Wellington and Taranaki

Strong wind:

- northern NZ for N/NE winds Sun
- central NZ for SE winds Sun

Watches/Warnings will be regularly reviewed to reflect most likely outcome (highly dependent on track of ex-TC!)





Thank you 

SITUATION REPORT

Completed by Intel



WEST COAST
EMERGENCY MANAGEMENT

GROUP

Incident/Event	Orange weather event	EOC Location	Buller District EOC	SITREP Number	0003
Date	Friday, 11 February 2022	Time	0700		
Author	s9(2)(a)	Contact Details	s9(2)(a)		

EMERGENCY RESPONSE STATUS

Level 1: Alert <input type="checkbox"/>	Level 2: Activation <input type="checkbox"/>	Level 3: Local Declaration <input checked="" type="checkbox"/>	Level 4: Group Declaration <input type="checkbox"/>	Level 5: Nat Declaration <input type="checkbox"/>
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EOC CONTACTS

Radio VHF Ch.	Telephone	Email	Satellite Phone
ESB2	0800 768 348	bdc.welfare@bdc.govt.nz	
Primary method of comms:	Telephone/Email	Systems at Risk:	None

SITUATION OVERVIEW

Cause of emergency, geographic location, main impacts/consequences (succinct statement), escalating/de-escalating

Extent or area affected - include map

Orange weather event heavy rain event causing flooding in Buller region. Civil defence activated with state of emergency declared 9.45am with river levels rising.

Multiple road closures restricting access.

Buller river **peak 11.4m 15:30 10 Feb**. All rivers **continue to now recede** since 1730. Weather in the region remains calm with insignificant rain in the ranges experienced during the night to **0400**.

Voluntary evacuations encouraged for known at risk areas changed to Mandatory evacuations for Snodgrass, North Derby Street/ Racecourse, lagoon area announced 1300. Additional zone added 1700 at Colvin St.

Mohikinui township flooded.

Slip on the Seddonville Road (Chasm Creek) road is being assessed **Fri 11 Feb** and road is to be closed.

Slip edge of Waimangaroa township from Denniston Track, residents considered at risk from the slip have been evacuated. Another slip has damaged the water supply with tanks being arranged for interim supply.

Currently waiting on the flood affected houses to determine whether evacuated residents can return home or not. Police to confirm number of houses etc.

PEOPLE ASSESSMENT

Sector	Displaced	Missing	Fatalities	Injured
Westport	23			
Waimangaroa	s9(2)(a)			
Reefton				

DISPLACED

Evacuees, e.g. Welfare Accommodation, where, estimated time before re-occupation is possible

Note: Table information is appropriate

Voluntary evacuation encouraged, escalated to mandatory for certain areas (see map in appendix).
Numbers in the active evac centres @ 2100
South School - 10 Adults, 1 child
Waimangaroa - s9(2)(a) [REDACTED]
Sergeants Hill - s9(2)(a) [REDACTED]
Carters Beach - s9(2)(a) [REDACTED]
Red Cross from Greymouth on site (20 beds at South School, 20 beds in Waimangaroa)
Reefton - s9(2)(a) [REDACTED]

PEOPLES CRITICAL NEEDS

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?
Vulnerable cases needing support and potentially drinking water supplies in certain areas.

COMMUNITY INFRASTRUCTURE NEEDS

Medical

Buller Health has now relocated all health services to the **Masonic Lodge, 51 Russell Street, Westport.**
Buller Health team is available at this site **24/7 for urgent and emergency services.**

Rest homes

Status of these facilities, what impacts or consequences are occurring, are they managing
Access possible as stormwater levels have improved. Shift change this evening; staff being assisted in and out via suitable vehicle to deal with any surface flooding.

Education Institutions

Have schools closed etc

Schools were closed today. Decision to open schools with individual Principals. Westport South School (Hall) currently being used as an Evacuation Centre and will remain closed Friday 11/02/2022.

Community Infrastructure Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

PROPERTY STATUS

Residential Housing

Numbers and locations of seriously damaged and condemned

To be confirmed as soon as possible (Police to report back to EOC). Derby and Roebuck St area known water damage. Mohikinui township at least 5 houses. Typically those who were affected in July 2021 event.

Commercial Property

Numbers and locations of seriously damaged and condemned, estimated time of closure

N/A

Housing and Property Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

TRANSPORT INFRASTRUCTURE NEEDS

Road Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate – Local roads and State Highway

Update from NZTA at 2010

SH67 Karamea Bluff Road closed overnight to public with review at 1000.

Lower Buller Gorge closed, surface flooding and slips.

Upper Buller Gorge closed, surface flooding and slips.

Coast Road to Westport open from 1300 with delays expected. (NL truck driver arrived 0100: reported minor slips, road remains open)

Many slips and drop outs being managed by contractors as possible.

Reported bridge lost at Boatmans on Blairs Road near Reefton.

Significant damage Between Hector and Mohikinui on State highway.

Slips on Bluff expected to take a couple days to resolve, assessment report due at 1000

Recon 2400 – 0100 11 Feb

- Lower Derby, Coates, Forbes, Shelswell Streets: surface flooding and receding in all areas
- Gladstone St, Top of Romilly – roads closed, surface flooding and receding
- Orowaiti Road / BHS to bridge: clear
- Orowaiti R. level dropped 1m since 1500 hrs 10 Feb.
- Orowaiti Bridge to Cemetery: clear
- Easons Rd – Kawatiri Place: clear
- Kawatiri Place: clear
- Eastons Rd / Domett Street: surface flooding and receding
- Housing Corp Block: Larson, Colvin, Rintoll, Fonblanque: extensive surface flooding, streets closed. Little change from 1500hrs, 10 Feb
- Easton end of Domett / Abattoir Road: surface flooding, little change from 1500hrs, 10 Feb
- McKenna Road – Stafford Street: flooded 200mm deep, adjacent paddocks extensive flooding
- Menzies, Robuck streets, Domain area: surface flooding and receding
- Queen / Disraelie Streets: surface flooding and receding
- Esplande Buller Bridge Adderly Street: nil surface flooding, clear.

Airport Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Operating per normal with surface water in area. Staff monitoring situation.

Advised plenty of fuel available for any emergency aircraft

Port Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate – status of the bar

Rail Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Rail line at Stephens road has not be reinstated since last week event. Reported damage near Birchfield.

Transport Infrastructure Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Slip at Seddonville; Chasm Creek – road closure

Denniston Road slip with debris trail into neighbouring properties, repairs commenced by contractor have ceased awaiting geotechnical advice **Fri 11 Feb**. Road remains closed.

LIFELINE UTILITY STATUS

Electricity

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Generators arranged in isolated areas last week still available.

Telecommunications

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Functioning

Water

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Inangahua supply out of action for short term, expected 2 days to reinstate.

Waimangaroa supply out of action due to slip with water and tanks being arranged for interim supply as repair estimated 2-3 days.

Reefton Boil water notice advised.

Ngakawau water **reinstated – to be further assessed Fri 11 Feb for installation of tanks as an interim backup supply**

Waste Water

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Westport discharging to Buller River as needed. Plant in bypass. Pump stations in certain areas being turned off – BDC staff monitoring

Petroleum

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

N/A

Lifeline Utility Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Current lists with welfare, power, emergency following last week event. EMS teams working with these people and appropriate location.

ENVIRONMENTAL STATUS

Waste and pollution

Debris, garbage and spills, issues with large scale removal and processing of

Normal collection in areas delayed due to road closures.

Reefton landfill site sustained river bank damage with some exposure of historic site. Repairs arranged for Friday morning as possible with river levels. WCRC aware.

Farming community and agriculture

Extent of impact on the farming community and response taken

Supplied by MPI @1400

- All farms with flood areas or known to have been affected by flooding have been contacted and offered support. All farm staff and animals in the Buller District and Upper Grey are safe and accounted for
- There has been significant damage to infrastructure and access for some farms and some farm homes have been flooded
- Some isolated areas and farms have self-evacuated
- Road closures, flooding and loss of farm access are causing disruption to milking and milk collection

EMS flight over areas at Westport and staff reacting as possible with some farms on Nine Mile Road needing help with stock.

Environmental Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

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RECOVERY STATUS

Summary

List any activity that has occurred or needs to occur. Has a Local Recovery Manager been appointed?

Community Hub will reopen at 0800 **Fri 11 Feb**. Hub staff are supporting Evacuation Centres.

PLANNING

Plans

Summary of Response Coordination Plan (briefing times, deadlines, key EOC activities)

Action plan 1 to be approved by 2130hrs 10/02/2022

Evacuation Plan approved during the 4-10pm EOC shift

Action plan 2 to be completed for 0800hrs 11/02/2022. This plan looks at the response and recovery phase of the operation.

Potential Issues

Factors that may affect the response/recovery positively or negatively

Road Closures have potential for continued isolation of some communities in the northern Buller.

Overcast conditions limiting flights to/in the area on Thursday morning. Has improved allowing several helicopter flights for basic inspections later in the day.

Several flood level sensors not functioning. Te Kuha site was repaired during the day.

Hazards and Warnings

Include information on the hazard, such as the latest MetService warnings/information etc

Metservice has lifted the orange warning with pockets of heavy rain still expected throughout the day.

Metservice Heavy Rain Watch Buller/Nelson Lakes from midnight Sat 12 Feb – midday Sun 13 Feb

Anticipated Situation Development

How is the event anticipated to evolve

Rivers continue to trend lower throughout Fri 11 Feb 0700-1500

Surface flooding continue to recede

Priority Actions

List the key priorities for the management of the response over the next 24 hours or period as set by the Local/Group Controller

Supplies for vulnerable.

Assessment of evacuated properties

Road clearance and inspections to provide emergency access to isolated areas.

State Highways 6, 7, 65, 67, 69 re-established

Waimangaroa water & sewage options to be investigated and resolved

Ministers visit 0945 Fri 11

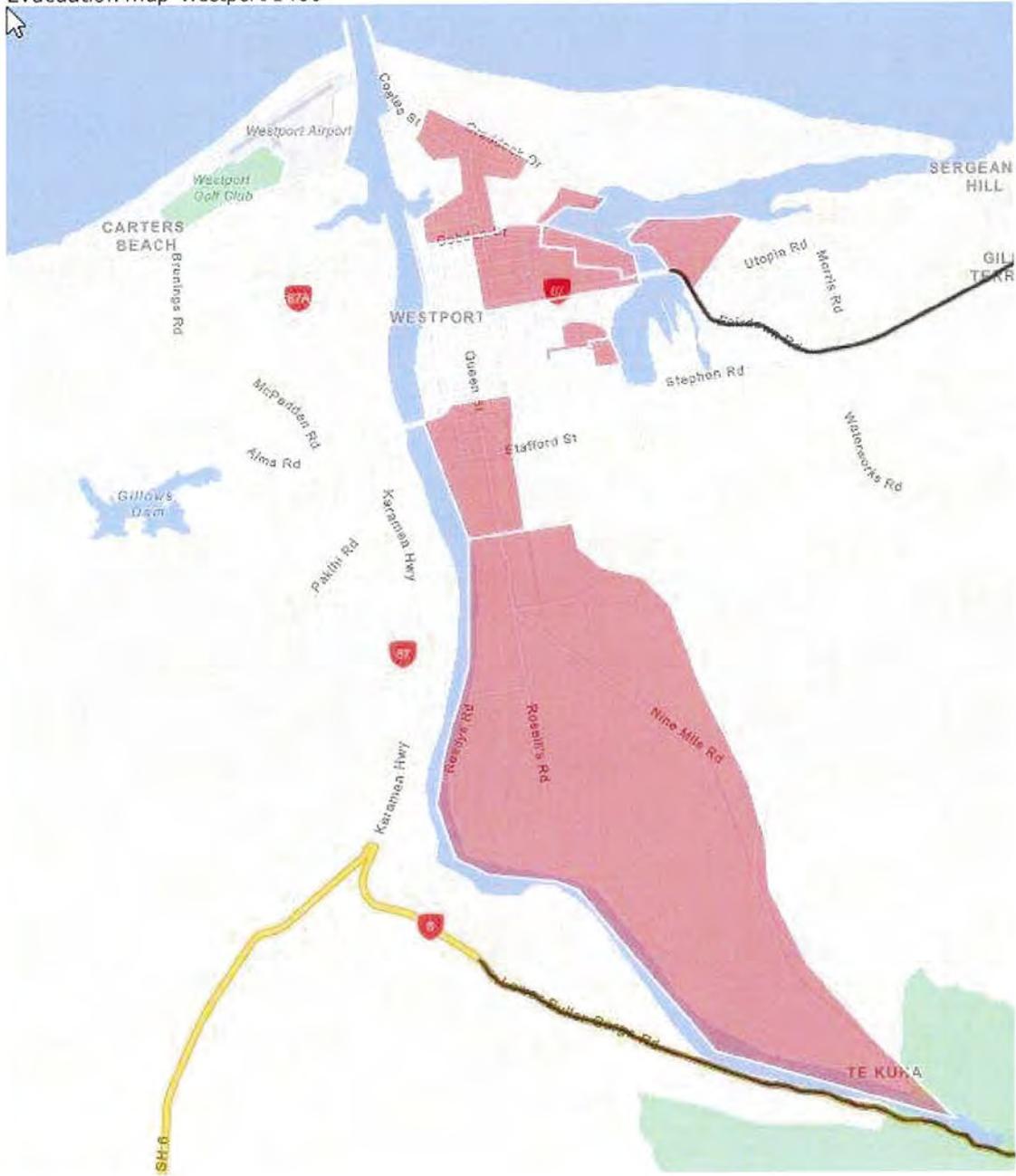
The next SITREP will be issued at

Date	Friday, 11 February 2022	Time	<i>A 0415</i> TBC hrs
Controller Name	s9(2)(a)	Signature	s9(2)(a)

Appendix 1:

[Add appendices here for items such as maps]

Evacuation map-Westport 1400



SITUATION REPORT

Completed by Intel



WEST COAST
EMERGENCY MANAGEMENT

GROUP

Incident/Event	Orange weather event	EOC Location	Buller District EOC	SITREP Number	0004
Date	Friday, 11 February 2022	Time	1100		
Author	s9(2)(a)	Contact Details	s9(2)(a)		

EMERGENCY RESPONSE STATUS

Level 1: Alert <input type="checkbox"/>	Level 2: Activation <input type="checkbox"/>	Level 3: Local Declaration <input checked="" type="checkbox"/>	Level 4: Group Declaration <input type="checkbox"/>	Level 5: Nat Declaration <input type="checkbox"/>
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EOC CONTACTS

Radio VHF Ch.	Telephone	Email	Satellite Phone
ESB2	0800 768 348	bdc.welfare@bdc.govt.nz	
Primary method of comms:	Telephone/Email	Systems at Risk:	None

SITUATION OVERVIEW

Cause of emergency, geographic location, main impacts/consequences (succinct statement), escalating/de-escalating

Extent or area affected – include map

Orange weather event heavy rain event causing flooding in Buller region. Civil defence activated with state of emergency declared 9.45am with river levels rising.

Multiple road closures restricting access.

Buller river **peak 11.4m 15:30 10 Feb**. All rivers **continue to now recede** since 1730. Weather in the region remains calm with insignificant rain in the ranges experienced during the night to **0400**.

Voluntary evacuations encouraged for known at risk areas changed to Mandatory evacuations for Snodgrass, North Derby Street/ Racecourse, lagoon area announced 1300. Additional zone added 1700 at Colvin St.

Mokihinui township flooded.

Slip on the Seddonville Road (Chasm Creek) road is being assessed **Fri 11 Feb** and road is to be closed.

Slip edge of Waimangaroa township from Denniston Track, residents considered at risk from the slip have been evacuated. Another slip has damaged the water supply with tanks being arranged for interim supply.

Numerous slips along the Karamea Bluff highway – Karamea remains isolated.

PEOPLE ASSESSMENT

Sector	Displaced	Missing	Fatalities	Injured
Westport	64			
Waimangaroa	s9(2)(a)			
Reefton				

DISPLACED

Evacuees, e.g. Welfare Accommodation, where, estimated time before re-occupation is possible

Note: Table information is appropriate

Voluntary evacuation encouraged, escalated to mandatory for certain areas (see map in appendix).

Numbers in the active evac centres @ 2100

South School - 55 Adults, 15 child

Waimangaroa - s9(2)(a)

Sergeants Hill - s9(2)(a)

Carters Beach - s9(2)(a)

Red Cross from Greymouth on site (20 beds at South School, 20 beds in Waimangaroa)

Reefton - s9(2)(a)

PEOPLES CRITICAL NEEDS

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Vulnerable cases needing support and potentially drinking water supplies in certain areas.

COMMUNITY INFRASTRUCTURE NEEDS

Medical

Buller Health has now relocated all health services to the **Masonic Lodge, 51 Russell Street, Westport.**

Buller Health team is available at this site **24/7 for urgent and emergency services.**

Medication being helicoptered in to Karamea and Gentle Annie Friday as result of road closures.

Rest homes

Status of these facilities, what impacts or consequences are occurring, are they managing

Access possible as stormwater levels have improved. Shift change this evening; staff being assisted in and out via suitable vehicle to deal with any surface flooding.

Education Institutions

Have schools closed etc

Schools were closed today. Decision to open schools with individual Principals. Westport South School (Hall) currently being used as an Evacuation Centre and will remain closed Friday 11/02/2022.

Community Infrastructure Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

PROPERTY STATUS

Residential Housing

Numbers and locations of seriously damaged and condemned

To be confirmed as soon as possible (Police to report back to EOC). Derby and Roebuck St area known water damage. Mokihinui township at least 5 houses. Typically those who were affected in July 2021 event.

Residents permitted to return home Friday morning. Advised to contact EOC if water damage to arrange building inspection.

Commercial Property

Numbers and locations of seriously damaged and condemned, estimated time of closure

N/A

Housing and Property Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

TRANSPORT INFRASTRUCTURE NEEDS

Road Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate – Local roads and State Highway

Update from NZTA at 2010

SH67 Karamea Bluff Road closed overnight to public with review at 0900 Saturday. Work crews clearing slips and assessing road condition.

Lower Buller Gorge closed, surface flooding and slips.

Upper Buller Gorge closed, surface flooding and slips.

Coast Road to Westport open from 1300 Thursday with delays expected.

Many slips and drop outs across the region being managed by contractors as possible.

Reported bridge lost at Boatmans on Blairs Road near Reefton. Clarified abutments washed around bridge ok road to abutments being reinstated.

Significant damage Between Hector and Mokihinui on State highway.

Slips on Bluff expected to take a couple days to resolve, assessment report due at 1000

Road closures

Karamea area

- **Karamea Bluffs**
- Granite Creek Rd – first 500m closed
- Glasseye Rd, Blue Duck Rd and Captains Rd – awaiting update, flooded yesterday

North of Westport to Mokihinui

- DeMalmanches Rd (Gentle Annie Rd)
- SH67 at Mussel Rocks (between Mokihinui and Seddonville)
- Denniston Track – Awaiting geo-engineer
- Powerhouse Rd – Christmas Creek Bridge closed

Westport and surrounds

- Nine Mile, Reedy's, Stephens and Keoghans – awaiting inspection

SH6 Lower Gorge – no intel

SH6 Upper gorge – Unofficial indications that Buller side open later today. Muchison side unknown

Reefton

- Perserverance Rd – Closed beyond bridge
- Soldiers and Harwoods – Closed approx 500m past last house

Springs

- Westbank – closed at Paddy Gourleys Briddge

Airport Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Operating per normal with surface water in area. Staff monitoring situation.
Advised plenty of fuel available for any emergency aircraft

Port Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate – status of the bar

Rail Status

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Rail line at Stephens road has not be reinstated since last week event. Extensive damage near Birchfield.

Transport Infrastructure Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Slip at Seddonville; Chasm Creek – road closure

Denniston Road slip with debris trail into neighbouring properties, repairs commenced by contractor have ceased awaiting geotechnical advice **Fri 11 Feb**. Road remains closed.

LIFELINE UTILITY STATUS

Electricity

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Generators arranged in isolated areas last week still available.

Telecommunications

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Functioning

Water

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Inangahua supply out of action for short term, expected 2 days to reinstate.

Waimangaroa supply out of action due to slip with water and tanks being arranged for interim supply as repair estimated 2-3 days.

Reefton Boil water notice advised.

Ngakawau water expected to be reinstated 1-2pm Friday

Waste Water

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

Westport discharging to Buller River as needed. Plant in bypass. Stormwater Pump stations are working again in Westport. Repairs to one underway.

Petroleum

Detail the extent of damage, the area affected, response taken, and length of time to reinstate

N/A

Lifeline Utility Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

Current lists with welfare, power, emergency following last week event. EMS teams working with these people and appropriate location.

ENVIRONMENTAL STATUS

Waste and pollution

Debris, garbage and spills, issues with large scale removal and processing of

Normal collection in areas delayed due to road closures.
Reefton landfill site sustained river bank damage with some exposure of historic site. Repairs arranged for Friday morning as possible with river levels. WCRC aware.

Farming community and agriculture

Extent of impact on the farming community and response taken

Supplied by MPI @1400

- All farms with flood areas or known to have been affected by flooding have been contacted and offered support. All farm staff and animals in the Buller District and Upper Grey are safe and accounted for
- There has been significant damage to infrastructure and access for some farms and some farm homes have been flooded
- Some isolated areas and farms have self-evacuated
- Road closures, flooding and loss of farm access are causing disruption to milking and milk collection

EMS flight over areas at Westport and staff reacting as possible with some farms on Nine Mile Road needing help with stock.

Several farms short on feed options being explored.

Rural Support surveying Westport this morning and Inangahua Valley this afternoon 11 Feb.

Environmental Needs

Are there any critical needs that should be outlined? Who is dealing with it/is it being dealt with?

--

RECOVERY STATUS

Summary

List any activity that has occurred or needs to occur. Has a Local Recovery Manager been appointed?

Community Hub will reopen at 0800 **Fri 11 Feb**. Hub staff are supporting Evacuation Centres.
People already going into HUB asking for help with sand bagging for next event.

PLANNING

Plans

Summary of Response Coordination Plan (briefing times, deadlines, key EOC activities)

Action plan 1 to be approved by 2130hrs 10/02/2022
Evacuation Plan approved during the 4-10pm EOC shift
Action plan 2 to be completed for 0800hrs 11/02/2022. This plan looks at the response and recovery phase of the operation.

Potential Issues

Factors that may affect the response/recovery positively or negatively

Road Closures have potential for continued isolation of some communities in the northern Buller.
Overcast conditions limiting flights to/in the area on Thursday morning. Has improved allowing several helicopter flights for basic inspections later in the day.
Several flood level sensors not functioning. Te Kuha site was repaired during the day.

Hazards and Warnings

Include information on the hazard, such as the latest MetService warnings/information etc

Metservice has lifted the orange warning with pockets of heavy rain still expected throughout the day.
Metservice Heavy Rain Watch Buller/Nelson Lakes from midnight Sat 12 Feb – midday Sun 13 Feb

Anticipated Situation Development

How is the event anticipated to evolve

Rivers continue to trend lower throughout Fri 11 Feb 0700-1500
Surface flooding continue to recede

Priority Actions

List the key priorities for the management of the response over the next 24 hours or period as set by the Local/Group Controller

Supplies for vulnerable.
Assessment of evacuated properties
Road clearance and inspections to provide emergency access to isolated areas.
State Highways 6, 7, 65, 67, 69 re-established
Waimangaroa water & sewage options to be investigated and resolved
Ministers visit 0945 Fri 11

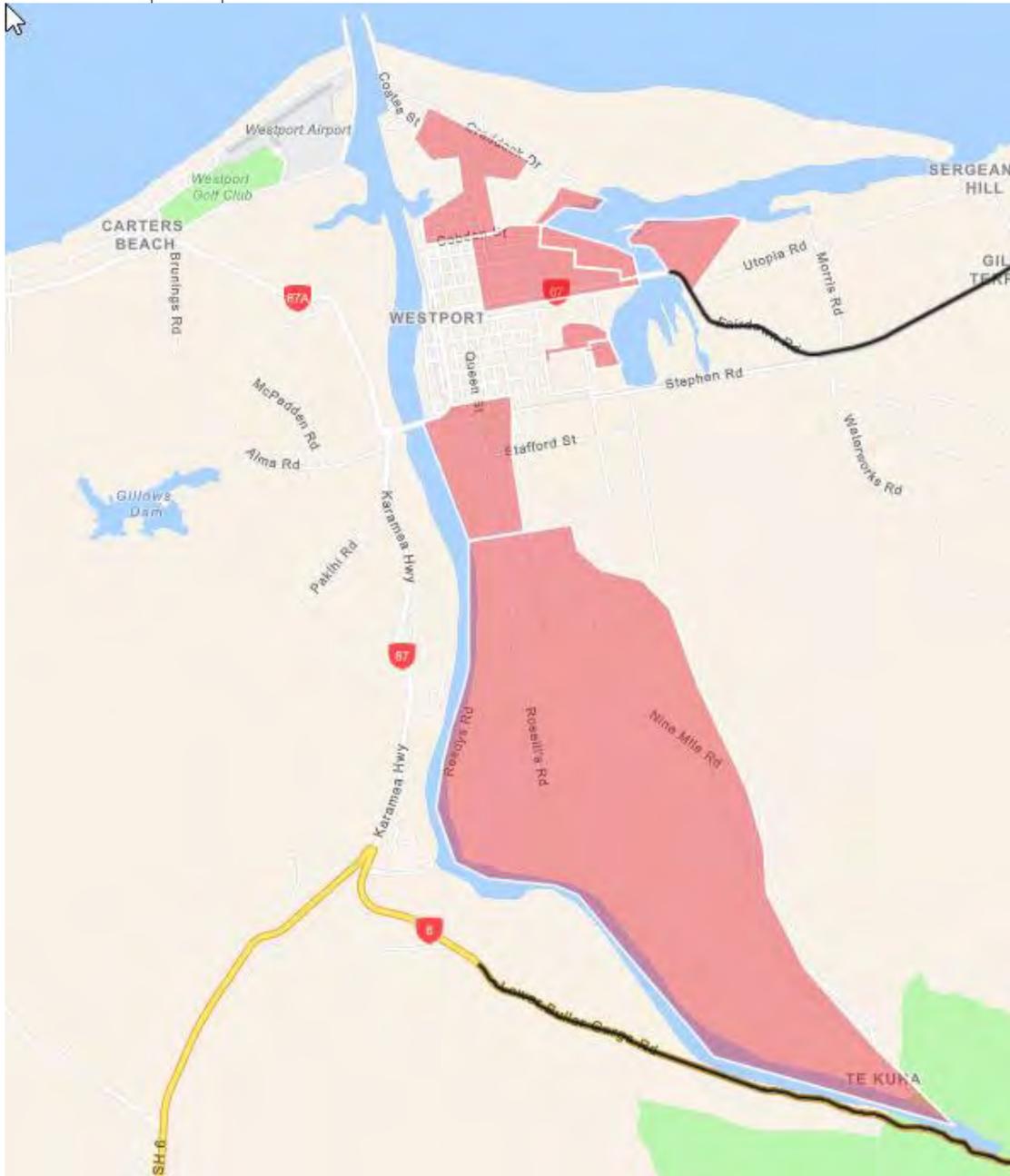
The next SITREP will be issued at

Date	Friday, 11 February 2022	Time	TBC hrs
Controller Name	s9(2)(a)	Signature	s9(2)(a)

Appendix 1:

[Add appendices here for items such as maps]

Evacuation map-Westport 1400



Ministers Update – Ex Tropical Cyclone (TC) Dovi 1700 11 February 2022

The next update will be at **1300 12 February 2022**

Please note due to the incoming Ex Tropical Cyclone (TC) Dovi we will now report on weather and impacts across New Zealand from this event.

Speaking Points

1. Heavy rain and severe gales are forecast for central and northern New Zealand this weekend as Tropical Cyclone Dovi approaches.
2. Stay up to date with the latest weather warnings from MetService and follow any instructions from local civil defence emergency management groups.
3. Get ready before the bad weather arrives. Bring inside or tie down anything that strong winds could break or pick up. If you have a trampoline, turn it upside down to minimise the surface area exposed to wind. Find out how to get ready for storms at getready.govt.nz/emergency/storms/
4. Stay inside during severe weather. Don't walk around outside. Don't drive unless absolutely necessary. If you do have to travel check the latest traffic information before you go: journeys.nzta.govt.nz
5. The National Emergency Management Agency National Coordination Centre is activated. NEMA hosted a national teleconference today with CDEM Groups to coordinate preparation for the effects of TC Dovi. These will continue through the weekend.

Situation Overview

New Zealand

- Currently there are a number of weather warnings across the centre of New Zealand related to the approaching Tropical Cyclone Dovi. These cover the top of the South Island and from Taranaki south and Auckland north. A number of these warnings are at an orange level.
- NEMA has activated the National Coordination Centre (NCC) and has been supporting the West Coast CDEM in response to severe weather impacts in their region. The NCC will also support other CDEM Groups through the incoming severe weather.
- Taranaki activated their Emergency Coordination Centre (ECC) at 10:00 hours this morning (11 February) in preparation for the incoming severe weather. The South Taranaki Emergency Operations Centre (EOC) also activated.
- The Manawatu-Whanganui Group ECC has activated an incident management team (IMT) level at 14:30 hours today (Friday 11 February) to prepare for the severe weather.
- Other CDEM Groups are monitoring the situation and undertaking planning. They will activate their emergency centres as required.

West Coast

- The Buller District Declared a State of Local Emergency at 09:45 hours yesterday (Thursday 10 February) and this remains in effect.
- The Grey ECC and Buller EOC remain activated. The Grey ECC and will assess what resources the CDEM Group will require with the incoming weather. CDEM Group staff

from Canterbury, Otago and Southland have surged in to support the West Coast ahead of the weekend.

- There is a heavy rain watch in place for the 14 hour period from 22:00 hours Saturday (12 February) to noon Sunday (13 February) for the ranges of Buller and Nelson Lakes with rain approaching warning levels. There is also a strong wind watch in place for this period.
- Mandatory evacuations in parts of Westport occurred yesterday afternoon (10 February). An Emergency Mobile Alert (EMA) was sent to Westport at 15:20 hours 10 February Another EMA was sent at 18:07 hours last night (11 February) to extend the evacuation zone.
- There were 121 residents from Westport and the surrounding areas that were accommodated in evacuation centres overnight last night (10 February). Residents were able to return home this morning (11 February) and contact the Buller EOC if they find damage.
- River levels in the Buller area have decreased.
- Rapid building assessments are occurring this morning along with infrastructure assessments.
- An old landfill in Reefton was damaged by flood water and remediation work is underway.
- The State Highways currently closed are: 67, 6 (Lower Buller Gorge), 7 (Reefton to Hanmer), SH and 65. Damage assessments underway as access allows. Significant damage to SH67 north of Westport with known slips.
- FENZ, Police and NZDF have staff in the area and assisting where required along with their normal business and usual.
- Ministry for Primary Industries (MPI) is meeting immediate needs and are aware of some access issues for farmers. They are providing psychosocial support were required.

Tairāwhiti

- A community remains isolated in East Cape due to a slip from recent weather.
- The use of the helicopter today taking in food supplies to, and removal of visitors, was successful. A total of 11 people were evacuated and dropped at the Department of Conservation (DOC) hut in Te Araroa to make their way home.
- All families in the isolated area are well and happy and have food for 5 to 6 days. Petrol was taken in for farm vehicle to maintain the checking of stock.
- Roding assessment was completed and early estimates are it will take about three weeks to clear the road. The road is believed to be stable and only requires clearing of debris from and above the road.
- School work for the children on the stations will be taken in on Monday or Tuesday (14-15 February) by DOC worker when undertaking other DOC work.
- Next meeting will occur at 15:00 hours Tuesday 15 February 2022.

Predicted Weather Development

- Burst of moderate to heavy rain over central North Island and far upper South Island today (Friday 11 February) and easing for a time on Saturday morning (12 February).

- Current cyclone models show Cyclone Dovi tracking towards the lower west of the North Island and will likely cross New Zealand overnight Sunday (13 February) through to Monday (14 February). There is still some uncertainty about the exact path of the cyclone.
- Heavy rain developing over central New Zealand from Saturday (12 February) ahead of Cyclone Dovi. Areas of concern are Taranaki/Tongariro to Wellington/Wairarapa and Tasman/Marlborough.
- Winds will enhance rain over the lower North Island with large amounts of rain possible in lower North Island overnight on Saturday (12 February) which is the main concern for flooding.
- Some rain for Buller with risk of heaviest falls late Saturday to Sunday (12-13 February) morning.
- Strong winds from late Saturday (northerlies in north) to Sunday (13 February) (south to southeast in central New Zealand, northern New Zealand will turn southwest later).
- Large northwest swell for western coasts overnight Saturday into Sunday (12-13 February).
- Watches and Warnings will be regularly reviewed by MetService to reflect most likely outcome which is highly dependent on track of Cyclone Dovi.
- There is a threat of flooding and slips due to already saturated ground.

Ministers Update – New Zealand Severe Weather 1300 11 February 2022

The next update will be at 1700 11 February 2022

Speaking Points

1. Westport residents who evacuated yesterday are now able to return to their homes. If you return home to a wet or damaged inside from the floods, or you feel unsafe or unsure about your safety please contact the Buller Emergency Management EOC (0800 243 533).
2. We really feel for those on the West Coast who are facing more upheaval on top of last week's floods – when you are still recovering from last July's event. We're here to support you where we can.
3. It's normal to feel stressed or anxious during or after an emergency like this. If you need a bit of extra help you can text or phone 1737 to speak to a trained counsellor anytime - it's free and completely confidential.
4. Stay out of flood water. Do not travel through flooded areas. Never try to walk, swim or drive through flood water.
5. Assume that all flood water is contaminated. Wash hands, clothes and property thoroughly after contact with flood waters.
6. Severe weather is forecast this weekend for many parts of the country – particularly from the top of the South Island through to Taranaki and Auckland and Northland.
7. Stay up to date with the latest weather warnings from MetService.
8. Get ready before the bad weather arrives. Bring inside or tie down anything that strong winds could break or pick up. If you have a trampoline, turn it upside down to minimise the surface area exposed to wind.
9. Stay inside during severe weather. Don't walk around outside. Don't drive unless absolutely necessary. If you do have to travel check the latest traffic information before you go: journeys.nzta.govt.nz
10. The National Emergency Management Agency National Coordination Centre is activated.

Situation Overview

New Zealand

- Currently there are a number of weather warnings across the centre of New Zealand related to the approaching Cyclone Dovi. These cover the top of the South Island and from Taranaki south and north of Auckland. A number of these warnings are at an orange level.
- NEMA has activated the National Coordination Centre (NCC) and is working with West Coast CDEM to understand their resource needs. The NCC will also support other CDEM Groups through the incoming severe weather.
- Taranaki activated their Emergency Coordination Centre (ECC) at 10:00 hours this morning (11 February) in preparation for the incoming severe weather. The South Taranaki Emergency Operations Centre (EOC) is also activated.

- Other CDEM Groups are monitoring the situation and undertaking planning. They will activate their emergency centres as required.

West Coast

- The Buller District Declared a State of Local Emergency at 09:45 hours **yesterday** (Thursday 10 February) **and this remains in effect.**
- The Grey ECC and Buller EOC remain activated. The Grey ECC and will assess what resources the CDEM Group will require with the incoming weather. CDEM Group staff from Canterbury, Otago and Southland have surged in to support the West Coast ahead of the weekend.
- There is a heavy rain watch in place for the 12 hour period from midnight Saturday (12 February) to noon Sunday (13 February) for the ranges of Buller and Nelson Lakes with rain approaching warning levels. There is also a strong wind watch in place for this period.
- Mandatory evacuations in parts of Westport occurred **yesterday afternoon** (10 February). An Emergency Mobile Alert (EMA) was sent to Westport at 15:20 hours 10 February. Another EMA was sent at 18:07 hours last night (11 February) to extend the evacuation zone.
- Most evacuated residents were able to return to their homes last night (11 February) and few remain in evacuation centres in Westport.
- River levels in the Buller area have decreased.
- Rapid building assessments are occurring this morning along with infrastructure assessments.
- The State Highways currently closed are: 67, 6 (Lower Buller Gorge), 7 (Reefton to Hanmer), SH and 65. Damage assessments underway as access allows. Significant damage to SH67 north of Westport with known slips.
- FENZ, Police and NZDF have staff in the area and assisting where required along with their normal business and usual.
- Ministry for Primary Industries (MPI) is meeting immediate needs and are aware of some access issues for farmers. They are providing psychosocial support where required.
- Minister O'Connor visited the area this morning (11 February).

Tairāwhiti

- Helicopter flight **has left** at 09:00 hours today (11 February) **and this operation is going to plan.**
- On board will be s9(2)(a) and s9(2)(a) Council/Controller along with roading engineers from council and Downers. An assessment will be made of slip on arrival.
- Helicopter will evacuate people out and on a return trip will bring food supplies from Four Square Te Araroa. Evacuees will be taken to Te Araroa Four Square and will make their own way home from there. There will be two flights to take evacuees out.
- There is concern about more rainfall on slips causing more mobilisation of soils and this could slow down the clearing of the slips.

- A further update will be available after 15:00 hours today (Friday 11 February).

Predicted Weather Development

- Burst of moderate to heavy rain over central North Island and far upper South Island today (Friday 11 February) and easing for a time on Saturday morning (12 February).
- Current cyclone models show Cyclone Dovi tracking towards the lower west of the North Island and will likely cross New Zealand overnight Sunday (13 February) through to Monday (14 February). There is still some uncertainty about the exact path of the cyclone.
- Heavy rain developing over central New Zealand from Saturday (12 February) ahead of Cyclone Dovi. Areas of concern are Taranaki/Tongariro to Wellington/Wairarapa and Tasman/Marlborough.
- Winds will enhance rain over the lower North Island with large amounts of rain possible in lower North Island overnight on Saturday (12 February) which is the main concern for flooding.
- Some rain for Buller with risk of heaviest falls late Saturday to Sunday (12-13 February) morning.
- Strong winds from late Saturday (northerlies in north) to Sunday (13 February) (south to southeast in central New Zealand, northern New Zealand will turn southwest later).
- Large northwest swell for western coasts overnight Saturday into Sunday (12-13 February).
- Watches and Warnings will be regularly reviewed to reflect most likely outcome which is highly dependent on track of Cyclone Dovi.
- There is a threat for flooding and slips due to already saturated ground.

NATIONAL EMERGENCY MANAGEMENT AGENCY (NEMA) SITUATION REPORT: 002

ISSUED AT 17:00 hours ON 11/02/2022

Event name:	Declaration status:				
Ex Tropical Cyclone (TC) Dovi	State of Local Emergency in Buller District				
Activation status:	Time declared:				
NCC Activated – Mode 2 (Assist)	10 February 2022 09:45hrs				
Contact:	Incident Classification:				
Email: ncc.operations@nema.govt.nz	<table border="1"> <tr> <td rowspan="3">N 2</td> <td style="text-align: center;">↑ ⊙ ↓</td> </tr> <tr> <td style="text-align: center;">S</td> </tr> <tr> <td style="text-align: center;">↓</td> </tr> </table> <p>N1 = A minor national level response N2 = A moderate national level response N3 = A major national level response N4 = A severe national level response</p>	N 2	↑ ⊙ ↓	S	↓
N 2	↑ ⊙ ↓				
	S				
	↓				
Report authorised by: NCC Controller	Report prepared by: NCC Intelligence				
Date/time of approval:	Next Situation Report will be issued at:				
16:45 hours on 11 February 2022	17:00 hours on 12 February 2022				

Updated information is in *red text*.

SITUATION SUMMARY

Overview

New Zealand

- Currently there are a number of weather warnings across the centre of New Zealand related to the approaching Cyclone Dovi. These cover the top of the South Island and from Taranaki south and Auckland north. A number of these warnings are at an orange level.
- NEMA has activated the National Coordination Centre (NCC) and has been working with West Coast CDEM Group in response to severe weather impacts in the Buller District. The NCC will also support other CDEM Groups through the incoming severe weather.
- Taranaki activated their Emergency Coordination Centre (ECC) at 10:00 hours today (Friday 11 February) in preparation for the incoming severe weather. The South Taranaki Emergency Operations Centre (EOC) is also activated.

- The Manawatu-Whanganui Group ECC have activated to an incident management team (IMT) level at 14:30 hours today (Friday 11 February) to prepare for the severe weather.
- Other CDEM Groups are monitoring the situation and undertaking planning. They will activate their emergency centres as required.

West Coast

- The Buller District Declared a State of Local Emergency at 09:45 hours **yesterday** (Thursday 10 February) and this remains in effect.
- The Grey ECC and Buller EOC remain activated. The Grey ECC and will assess what resources the CDEM Group will require with the incoming weather. CDEM Group staff from Canterbury, Otago and Southland have surged in to support the West Coast ahead of the weekend.
- There is a heavy rain watch in place for the 12 hour period from midnight Saturday (12 February) to noon Sunday (13 February) for the ranges of Buller and Nelson Lakes with rain approaching warning levels. There is also a strong wind watch in place for this period.
- Mandatory evacuations in parts of Westport occurred **yesterday afternoon** (10 February). An Emergency Mobile Alert (EMA) was sent to Westport at 15:20 hours 10 February. **Another EMA was sent at 18:07 hours last night (11 February) to extend the evacuation zone.**
- There were 121 residents from Westport and the surrounding areas that were accommodated in evacuation centres overnight last night (10 February). Residents were able to return home this morning (11 February).
- River levels in the Buller area have decreased.
- Rapid building assessments are occurring this morning along with infrastructure assessments.
- The State Highways currently closed are: 67, 6 (Lower Buller Gorge), 7 (Reefton to Hanmer), SH and 65. Damage assessments are underway as access allows. There is significant damage to SH67 north of Westport with known slips.

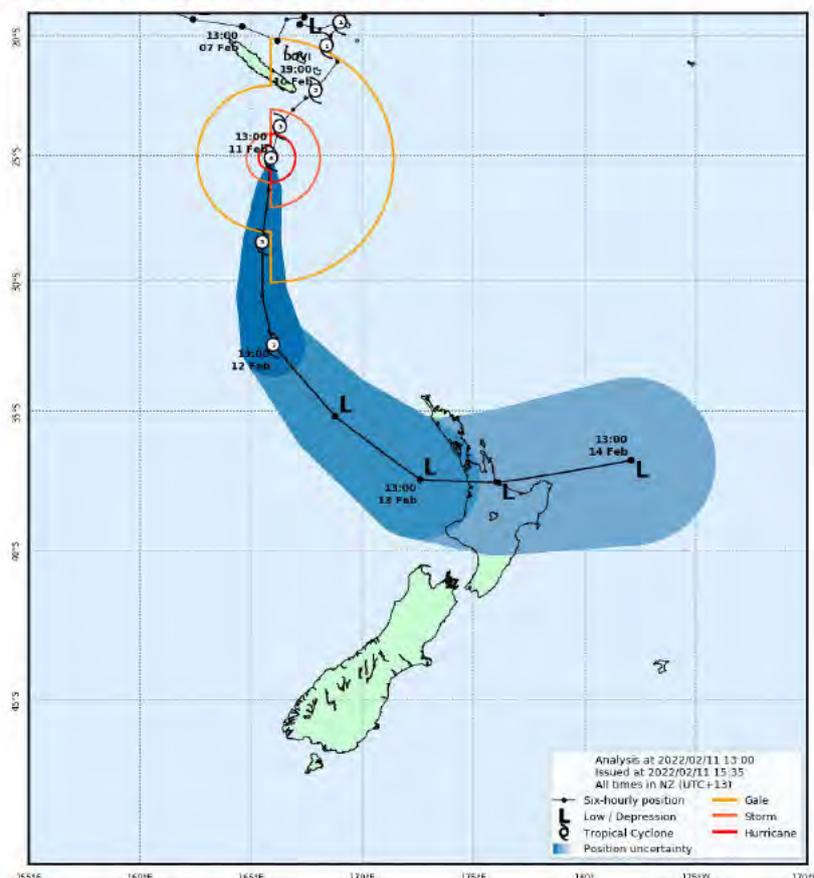
Tairāwhiti

- A community remains isolated in East Cape due to a slip from recent weather.
- The use of a helicopter today, 11 February, to take in food supplies and remove visitors was successful. A total of 11 people were evacuated and dropped at the Department of Conservation (DOC) hut in Te Araroa to make their way home. Remaining families in the isolated area have food for 5 to 6 days.
- A roading assessment was completed and early estimates are it will take about three weeks to clear the road. The road is believed to be stable and only requires clearing of debris from and above the road.

Predicted Progression

- A burst of moderate to heavy rain over central North Island and far upper South Island today (Friday 11 February) and easing for a time on Saturday morning (12 February).
- Current cyclone models show Tropical Cyclone Dovi tracking towards the lower west of the North Island and will likely cross New Zealand overnight Sunday (13 February) through to Monday (14 February). There is still some uncertainty about the exact path of the cyclone.
- Heavy rain will develop over central New Zealand from Saturday (12 February) ahead of Tropical Cyclone Dovi. Areas of concern are Taranaki/Tongariro to Wellington/Wairarapa and Tasman/Marlborough.
- Winds will enhance rain over the lower North Island with large amounts of rain possible in lower North Island overnight on Saturday (12 February) which is the main concern for flooding.
- There will be some rain for Buller with risk of heaviest falls late Saturday to Sunday (12-13 February) morning.
- There will be strong winds from late Saturday (northerlies in north) to Sunday (13 February) (south to southeast in central New Zealand, northern New Zealand will turn southwest later).
- Large northwest swells for western coasts are forecast overnight Saturday into Sunday (12-13 February).
- Watches and Warnings will be regularly reviewed by MetService to reflect most likely outcome which is highly dependent on track of Tropical Cyclone Dovi.
- There is a threat of flooding and slips due to already saturated ground.

This is the forecast track map for the Tropical Cyclone Dovi issued by Tropical Cyclone Warning Centre Wellington (TCWC Wellington) at 15:35 hours 11 February 2022.



National Resources

- The NEMA National Coordination Centre (NCC) was activated at 07:00 hours 10 February 2022 to support the West Coast and Tairāwhiti. **The NCC will also support other CDEM Groups through the incoming severe weather.**
- NEMA pre-deployed to the West Coast with two Regional Emergency Management Advisors (REMAs) currently in the region. Two REMAs have been pre-deployed **to Taranaki.**
- NZTA has activated a Regional Emergency Response Team to address the road closures in the West Coast area due to slips and surface flooding.
- **FENZ, Police and NZDF have staff on the West Coast.**
- **The Red Cross provided support to the West Coast with welfare equipment including stretchers and bedding to Westport yesterday afternoon (Thursday 10 February).**
- **Ministry for Primary Industries (MPI) is meeting immediate needs and is aware of some access issues for farmers. They are providing psychosocial support were required.**

Risks and Issues

1. Isolation of Westport due to road closures. At this stage all state highways into Reefton, Karamea and Westport are closed. This will affect the deployment of resources and deployment of personnel.
2. The difficulty in following public health protocols regarding COVID-19 during this event will introduce risks for the public and responders.
3. Psychosocial impact on the Westport community. Given this event is likely to impact the same communities in Westport as the July 2021 flooding event and last week's event, there are likely to be large psychosocial impacts.
4. **The availability of surge personnel to deploy into regions potentially impacted by Tropical Cyclone Dovi.**
5. **There could be risks to already impacted infrastructure from previous weather and potential for further slips in saturated ground.**
6. **Change in cyclone track and/or forecast leading to a wider area or impact or a different area of impact than anticipated.**

Priorities for the next period

- Sustaining NCC operations and deployed NEMA staff.
- NEMA and other central government agencies will closely track weather event and **possible impacts across New Zealand** ahead of incoming severe weather over the coming weekend.
- **NCC Planning is working on a pre-event Warning Order for CDEM Groups and supporting agencies in order to prepare their ECC and EOCs for Tropical Cyclone Dovi.**
- **This Warning Order and pre-event phase will continue until impacts on New Zealand, at which point the focus will shift to event response.**
- **NCC Planning will develop Action Plan 02 by the end of Saturday (12 February).**

NIWA TC Dovi Impacts Briefing

Key points:

- Very high rates and saturated soils could lead to impacts
- Rainfall totals significant in Taranaki, Wairarapa and Manawatu areas
- Will be some rain in South Island but totals aren't extreme
- Key waves:
 - 3pm - Midnight Friday Taranaki / Central Plateau
 - 6AM - 3PM Saturday - Taranaki, Wairarapa, Wellington
 - Midnight Saturday - Wairarapa, Wellington
 - Wind from Sunday evening.

Summary

Will transition to an ex-tropical cyclone

- Currently a Cat 3, just south of New Caledonia.
- Rain well ahead of the system
- Heaviest rain over lower NI (Taranaki, Central Plateau southward)
- Upwards of 200-300mm over higher terrain. This will be much higher than normal for the month in some areas
- Some areas (esp. Taranaki) are already saturated.
- Rain will be from now to Sunday morning, Wind impact will be worst on Sunday coastal Taranaki & Wellington, Waikato through to Northland)

Some fair confidence that there will be impacts and the track won't vary much from forecasts.

There is significant moisture in the atmosphere. Heaviest rains will form along wind convergence zone, which is causing rain well ahead of the Tropical Cyclone. Convergence zone extends into lower North Island from tomorrow afternoon evening and remains intact through time.

Soil moisture already very high across all extras expected to receive rain - expected to be impacts arising from this.

Meaningful rain in Chatham Islands from late Saturday but no specific concern.

Rain will come in waves, with three particular bands.

- **Friday 3PM:** Rain mostly offshore but starts to get heavy over Taranaki and Central North Island. Not a lot of excessive rain is expected from this event for the Buller Region.
- **Friday 6PM:** Heavy rain expected in Taranaki region and parts of Manawatu.
- **Friday 9PM:** Heavy rain still in Taranaki and Manawatu and across the Central Plateau
- **Saturday Midnight:** Lull behind the rain. Coastal Wairarapa and southern Hawkes Bay heavy rain.

By MIDNIGHT expecting a total of 180mm near the mountain (Taranaki), 120-130 towards the coasts; 113mm in north parts of Manawatu, 120 in the Central Plateau; 82mm in Palmerston North.

- **Saturday 3AM:** Lingering rain over Central Plateau.
- **Saturday 6AM:** Rain beginning to move onshore Taranaki, coastal Manawatu.
- **9AM:** Heavy Rain for Wellington, Wairarapa, Marlborough, Manawatu,

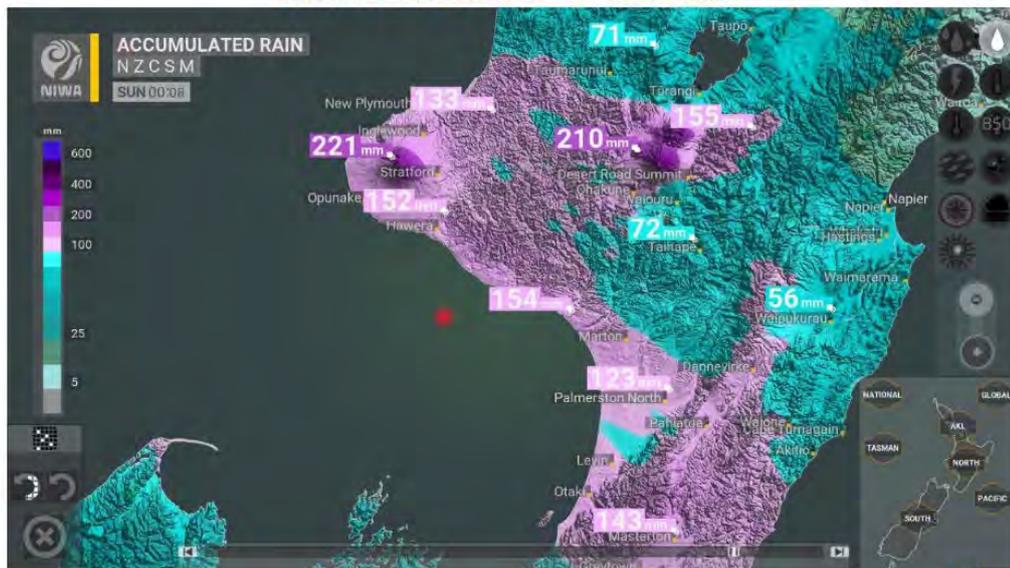
- **12PM:** Still persistently heavy rain in lower North Island south of Pahiataua and north of Wellington. Uncertain if it will affect Wellington proper.

Total Rainfall forecast by MIDDAY Saturday: 190mm near mountain, 120mm Manawatu, 150-200mm Central Plateau 130mm coastal NAKI, 95mm Palmerston North. Northern Wairarapa expecting 40mm in 12 hours. Very impressive rainfall rates AM Saturday

- **3PM Saturday:** Same areas - Wairarapa, Kapiti
- **6PM Saturday:** But of a lull in Wairarapa.
- **12AM Sunday.** Onshore Rain Wairarapa, Tasman, Marlborough.

48hr total to midnight Sunday:

Rain Forecast – NZCSM

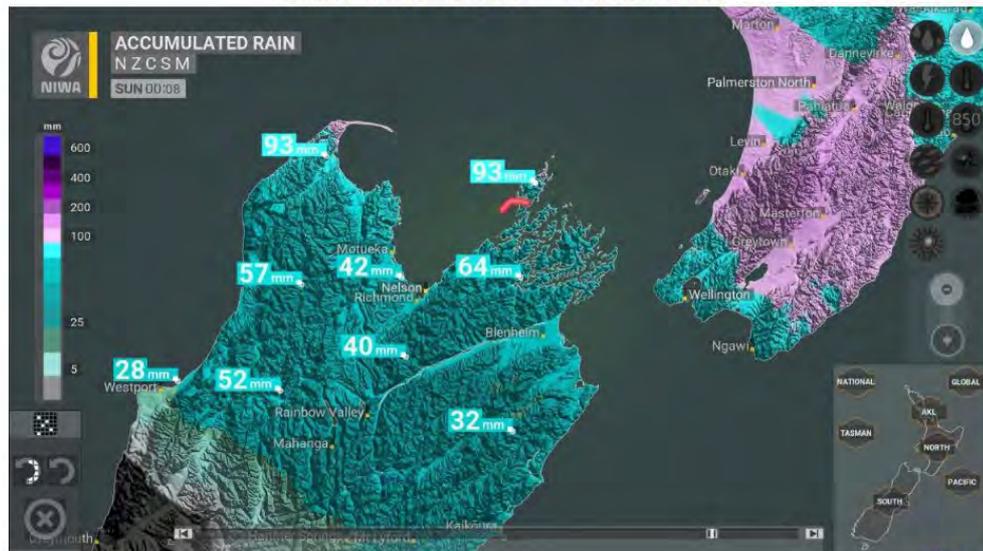


Climate, Freshwater & Ocean Science



Upper South Island totals by midnight Sunday:

Rain Forecast – NZCSM



Climate, Freshwater & Ocean Science



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Rivers

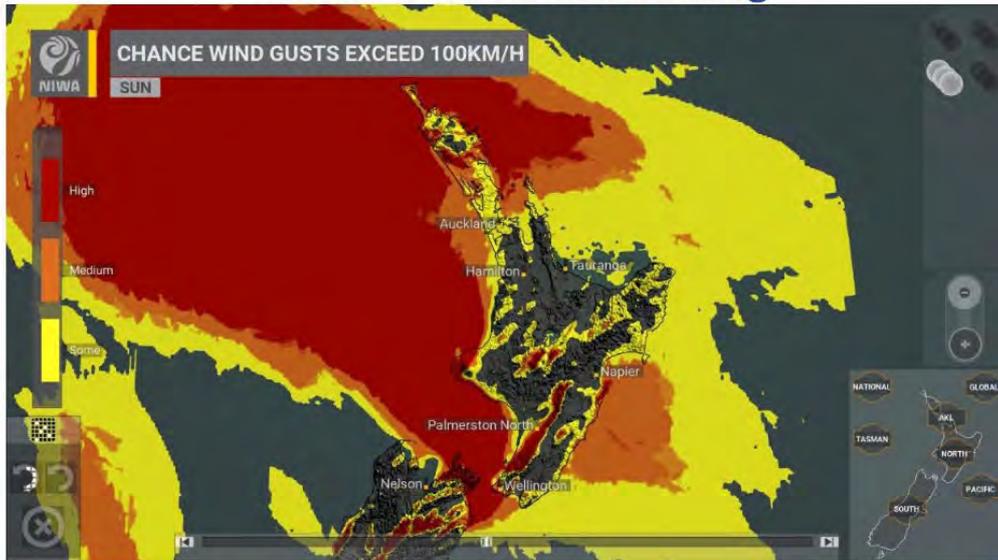
- Upper South Island - looks like they will continue to recede and not get worse at this stage.
- Lower part of North Island expected to be the worst impacts.
- There might be some flood peaks from late Saturday AM from Taranaki area, and still rising from late afternoon in Wellington etc.
- Rain is widespread which will impact tributaries as well.
- Watch for Kaitoke - looking like it could be close to a 20 year event.

Use Regional Council Forecast information

- Also some issues expected in Wairarapa - looks quite high, not extreme catastrophic.
- Most rivers will exceed mean annual flood but not necessarily much higher. The third slug of rain (Saturday overnight) is the one to watch. Currenty too far out to model.
- Central / Southern NI rivers are most likely to be affected. Rimuhanga, Otaki, Waikanae, rivers from Tararuas.
- Regional Councils will be watching their inundation models closely. NIWA can only comment generally.
- River Link' from NIWA is experimental. Purple is exceeding mean annual flood but doesn't indicate how much bigger. Don't share externally. Software under development for advising, but don't use as prediction.

Wind

NIWA Ensemble Modelling

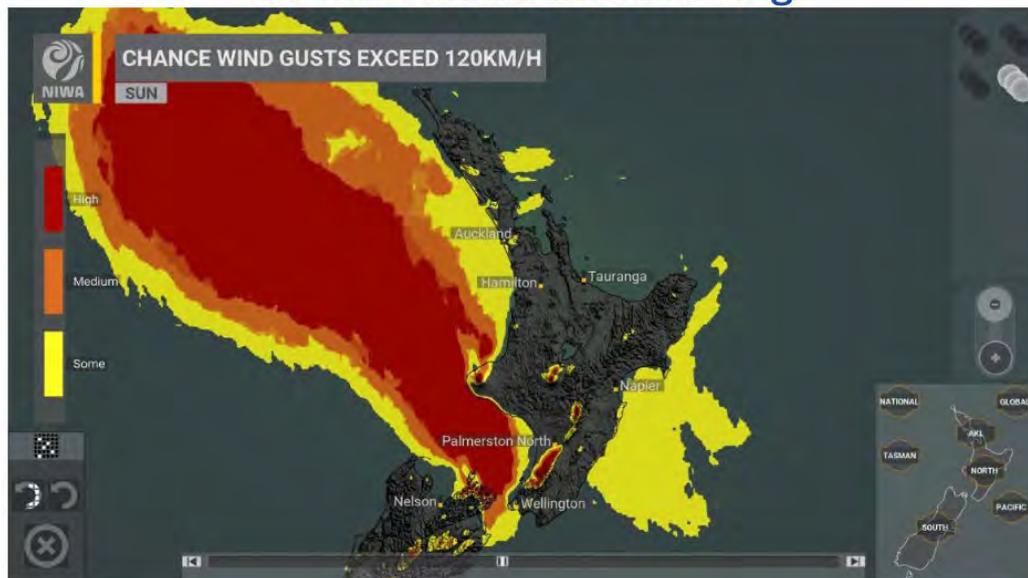


Climate, Freshwater & Ocean Science



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NIWA Ensemble Modelling



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- There could be wind gusts near and exceeding 100km in Northland, Auckland, Waikato, Wellington, coastal Taranaki, Coromandel, coastal Wairarapa , coastal Hawkes Bay for 8 hrs Sunday evening.
- Will depend more on the actual track than the rain might.
- Significant swells also expected.

NZTA Highway Regional Emergency Situation Report			
Incident:	Severe Weather Event - West Coast and Upper South Island	Sit rep #	3
Date:	Fri 11/02/21	Time:	1000hrs
Period covering:	1630hrs Thurs 10/02/22 – 1000hrs Fri 11/02/22		
Prepared by:	s9(2)(a)		
Approved by:	s9(2)(a), Controller		
Next Sit Rep:	1700hrs Fri		

PART 1: SUMMARY	
Summary of incident	<p>Heavy rain warning (ORANGE) issued for Buller and Westland North of Hokitika for 23 hours from 12.00pm Wednesday to 11.00am Thursday, expect 140-170mm rain in the ranges and lesser amounts about the coast. Peak rates of 20-30mm/hr.</p> <p>Indications are rainfall volumes have exceeded forecast which has resulted in widespread flooding throughout the Grey and Buller districts.</p> <p>Numerous road closures centred around Westport.</p> <p>Metservice are forecasting rain in the region to ease, however a deep subtropical low is forecast to move over NZ from mid-Friday through the weekend bringing moderate to high confidence of heavy rain and severe gales for central and northern NZ. Current Metservice Warnings and Watches (Red and Orange only):</p> <p>Heavy Rain Warning - ORANGE</p> <ul style="list-style-type: none"> • Area: Taranaki Period: 44hrs from 1pm Fri, 11 Feb - 9am Sun, 13 Feb • Area: Tongariro National Park Period: 47hrs from 2pm Fri, 11 Feb - 1pm Sun, 13 Feb • Area: Wellington and Wairarapa excluding the Tararua District Period: 43hrs from 8pm Fri, 11 Feb - 3pm Sun, 13 Feb • Area: Tasman west of Motueka Period: 27hrs from 9am Sat, 12 Feb - noon Sun, 13 Feb • Area: Horowhenua and Kapiti Period: 43hrs from 8pm Fri, 11 Feb - 3pm Sun, 13 Feb • Area: Marlborough Sounds, Richmond and Bryant Ranges, and Rai Valley Period: 25hrs from 11am Sat, 12 Feb - noon Sun, 13 Feb • Area: Tararua Range Period: 46hrs from 8pm Fri, 11 Feb - 6pm Sun, 13 Feb <p>Multiple Heavy Rain and Strong Wind Watches are also in place.</p> <p>The Regional Emergency Response Team (RERT) has been activated with inclusion of North Island managers for potential RERT activations in other regions.</p> <p>A local state of Emergency was declared in Buller. Mandatory evacuations in Westport commenced on Thursday afternoon.</p> <p>The National Emergency Management Agency National Coordination Centre (NEMA NCC) was activated in support of the response to the West Coast Severe Weather event.</p>
Critical Information	<p>West Coast</p> <p>The State Highways currently closed are: 67, 6 (Lower Buller Gorge), 7 (Reefton to Hanmer), SH and 65. Damage assessments underway as access allows. Significant damage SH67 north of Westport with known slips, mostly Local road (Buller DC) damage Mikonhui to Karamea.</p> <p>Local roads in the Buller and Grey districts are also closed.</p> <p>SH7 from Springs Junction to the SH7A Hanmer Spring turnoff was closed due a minor slip near Maruia Springs. This is expected to be cleared by 2pm Friday, however a soft closure with messaging will remain in place due to the continuing inability to travel beyond Springs Junction. This response is being coordinated between the West Coast and North Canterbury NOCs.</p> <p>Rain has ceased in Westport and river levels are receding.</p> <p>SH6 Murchison to O'Sullivan's Bridge closed to public though local resident access available.</p> <p>SH69 Inangahua to Reefton open. Local detour in place.</p> <p>SH6 Lower Buller Gorge has been inspected. Cleanup work underway. Update at 6pm</p> <p>SH67 Westport to Mokihinui being worked on. Update at 6pm</p> <p>SH7 Greymouth to Reefton open.</p> <p>No issues in South Westland.</p> <p>Buller EOC will standdown tonight.</p> <p>NOC resources standing down, resting in prep for weekend.</p> <p>Tasman/Marlborough</p> <p>One road closure was in place however has now been lifted. Crews continue to monitor State highways for any flooding and slips.</p> <p>Standing down some staff in preparation for the weekend. Asked CD re Heli – still organising.</p> <p>SH65 inspected. Not too much damage, culvert clearance, slash. Aim to open at 5pm. Will be single lane when open.</p> <p>No other issues.</p> <p>NOC resources standing down, resting in prep for weekend.</p>

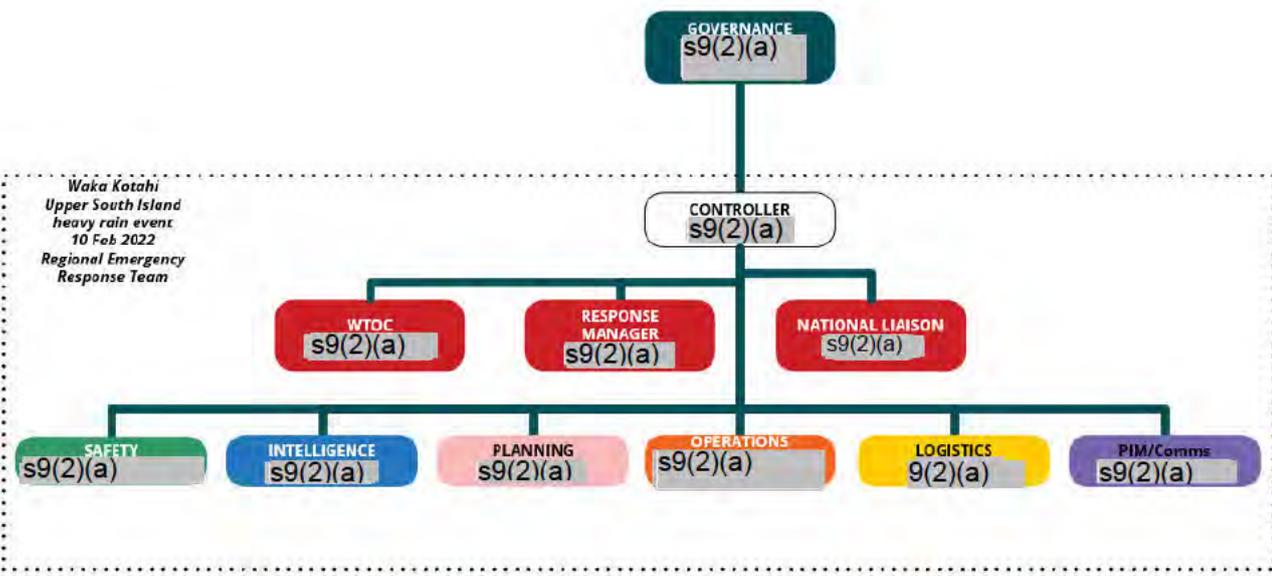
	<p>North Canterbury Preparedness for Dovi. Heli flyover of Kaikoura coast and preparing to activate protocols.</p> <p>North Island The weather situation is being monitored. WTOC – Metservice briefing at 12pm. Preplanning for North Island response.</p>
Actions carried out since last Sit Rep	<p>Media release distributed. Roads reopened where viable (refer table). Slip, culvert and debris clearance, rock scour reinstatement continues. Assisting Buller DC with SH67 Special Purpose Rd Mokihinui to Karamea. Metservice briefings regarding the developing weather situation from Friday to Sunday.</p>
Risks - to SH network only	<p>Road closures. Damage to SH infrastructure. Surface flooding, slips, washouts, debris in rivers causing damage to structures, bridge approach washouts, bridges overtopping due to river flows. SH1 Weld Pass roadworks scheduled to commence Sunday night – TBC. Fatigue and safety of crews.</p>
Risk Management	<p>Precondition messaging via TREIS, social media, VMS signs. Cyclic crews patrolling network, focusing on at-risk locations/sections. Civil and cyclic crews operating in isolation to manage omicron risk. Fatigue management of resources. s9(2)(g)(i)</p>
Predicted progression	<p>SH6 (Lower Buller Gorge), SH7 Rahu Saddle, SH67 inspections commence Friday after flood levels drop. SH6 Murchison to O'Sullivan closed to public. Likely reopen Friday. Lower rainfall on the West Coast expected from now through to midday Friday, however rain then expected to develop to heavy levels over Saturday and Sunday as ex-tropical cyclone Dovi bears down on NZ from the west. Some uncertainty in the modelling but at this stage Metservice have issued heavy rain and wind warnings though Buller/Marlborough and the Upper South Island/Lower North Island. Gale force south-easterlies possible on Sunday. Rain is expected to ease Monday. Media release around midday Friday, and after RERTs. Preconditioning about cyclone. Check alignment with NEMA.</p>
Resources in place	Yes
Required resources	Nil

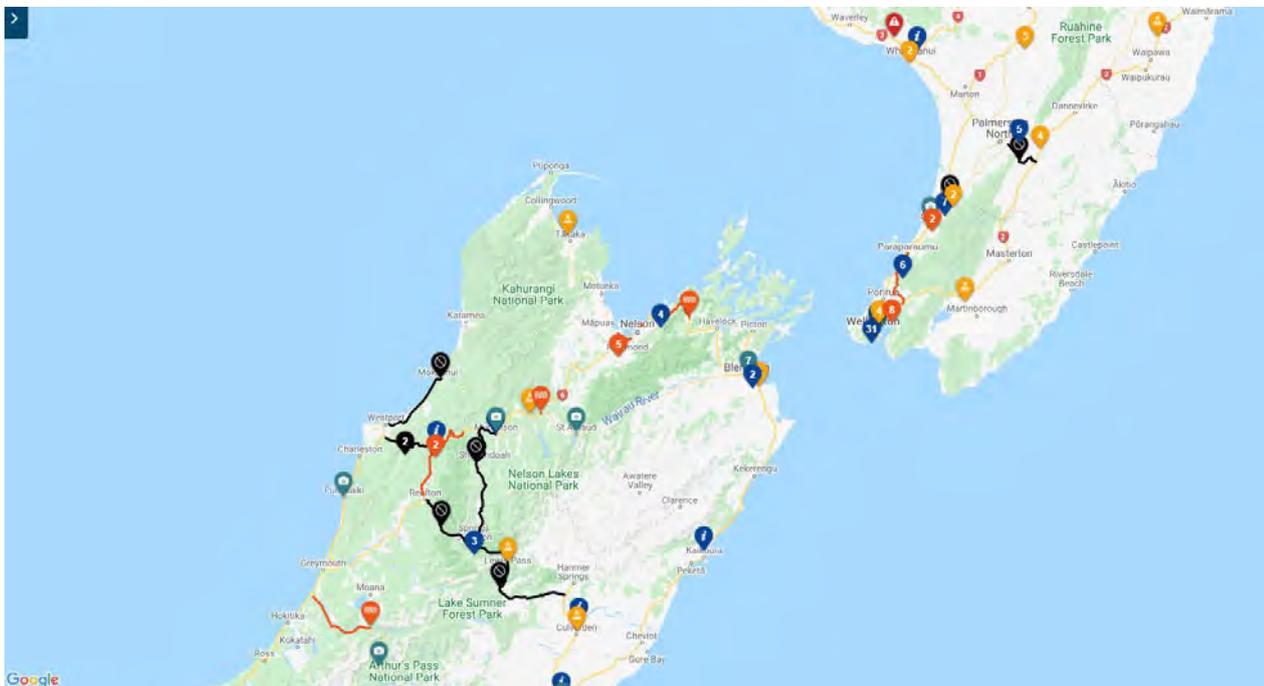
PART 2: DETAILED STATUS AND INTENDED ACTIONS		
Land Transport System		
Road	Region/Location	Impact and actions
West Coast		
SH6	Haast Pass to Greymouth	<p>Open No further damage noted following last weeks impacts</p> 
SH6	Greymouth to Punakaiki	<p>Open Single lane sections with traffic control.</p>

			<p>Surface Flooding at Coal Creek Slips at Rapahoe and Barrytown</p> 
SH6		Punakaiki to Westport	<p>Open Single lane sections with traffic control throughout Slips at Costellos Hill</p>
SH6		Westport to Inangahua (Lower Buller Gorge)	<p>Closed – Update 6pm Friday Buller river 11.2m. Road inundated at the Inangahua Dip and Hawks Crag Multiple slips and trees down noted throughout prior to gorge. River levels need to drop before inspections can proceed.</p>
SH6		Inangahua to O’Sullivans Bridge (Upper Buller Gorge)	<p>Open – with restrictons Flooding and slips Loaders clearing through from Murchison end to establish access. River levels need to drop before inspections can proceed.</p>
SH7		Greymouth to Reefton	<p>Open</p>
SH7		Reefton to Springs Junction (Rahu)	<p>Closed – Update 2pm Friday Access for inspections limited. Inangahua River has flooded the road in multiple locations. Scour and underslips noted. Multiple overslips. Gear enroute to clear slips, pending river levels dropping.</p>
SH7		Springs Junction to Lewis Pass	<p>Closed – Update 2pm Friday.</p>
SH67		Westport to Mohikanui	<p>Closed – Update 2pm Friday</p>
SH67a		Westport to Cape Foulwind	<p>Open Surface flooding at Carters Beach with pavement damage</p>
SH69		Reefton to Inangahua Junction	<p>Open – local detour in place</p>  <p>(Photo from Thurs)</p>
Tasman			
SH65		Springs Junction to O’Sullivans Bridge	<p>Closed – Update 5pm Friday Flooding at Rapahanoc and O’Sullivans Slips through Shennendoah River levels continuing to rise.</p>

SH6	O'Sullivan's Bridge to Murchison	Closed – Update 5pm Friday Flooding
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PART 3: DETAILED DISTRIBUTION LIST	
Name	Details
s9(2)(a)	





Valid Sat 12-Feb-2022 through Tue 15-Feb-2022

Sat 12 Feb
to Sun 13 Feb
Severe Gales: N-NE
Confidence Moderate

Sun 13 Feb
to Mon 14 Feb
Severe Gales: S
Confidence Low

Sat 12 Feb
to Mon 14 Feb
Heavy Rain
Confidence High
Sun 13 Feb
to Mon 14 Feb
Severe Gales: S-SE
Confidence High

Sat 12 Feb
to Sun 13 Feb
Heavy Rain
Confidence Moderate
Sun 13 Feb
to Mon 14 Feb
Severe Gales: SE
Confidence Moderate

Sat 12 Feb
to Mon 14 Feb
Heavy Rain
Confidence Low
Sun 13 Feb
to Mon 14 Feb
Severe Gales: S
Confidence Low

Sun 13 Feb
to Mon 14 Feb
Heavy Rain
Confidence Moderate

Issued 02:18 pm 10-Feb-2022

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Severe Weather by Region

NORTH ISLAND

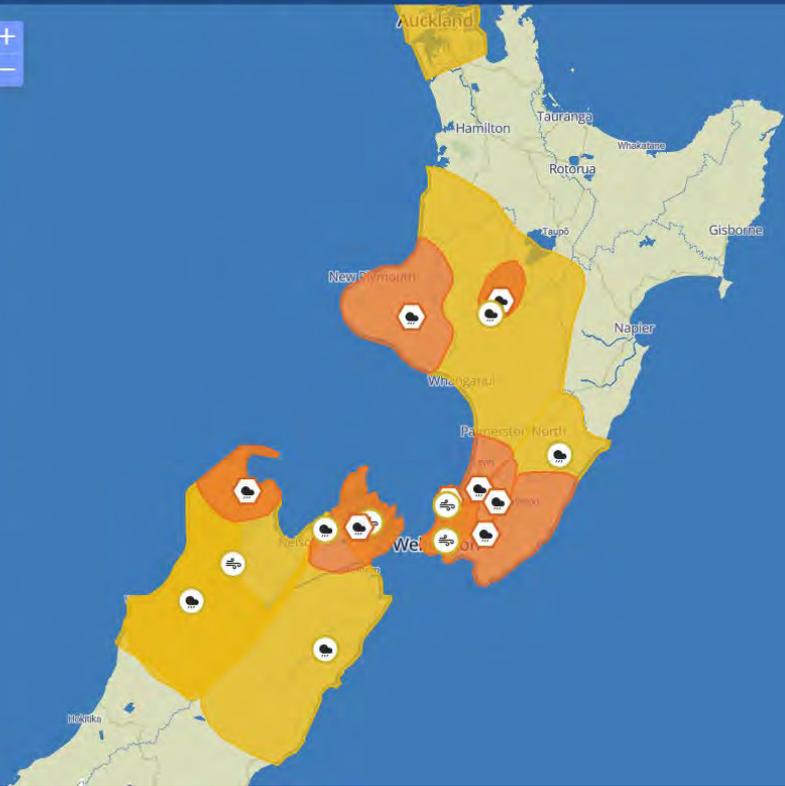
- Upper 1 Warning/Watch >
- West 2 Warnings/Watches >
- Central 2 Warnings/Watches >
- East 0 Warnings/Watches >
- Lower 6 Warnings/Watches >

SOUTH ISLAND

- Upper 6 Warnings/Watches >
- Central 1 Warning/Watch >
- Lower 0 Warnings/Watches >

OTHER ISLANDS

- Chatham Islands 0 Warnings/Watches >



NZTA Highway Regional Emergency Situation Report			
Incident:	Severe Weather Event - West Coast and Upper South Island	Sit rep #	4
Date:	Fri 11/02/21	Time:	1630hrs
Period covering:	1000hrs Fri 11/02/22 – 1630hrs Fri 11/02/22		
Prepared by:	s9(2)(a)		
Approved by:	s9(2)(a), Controller		
Next Sit Rep:	1100hrs Sat		

PART 1: SUMMARY	
Summary of incident	<p>Heavy rain warning (ORANGE) issued for Buller and Westland North of Hokitika for 23 hours from 12.00pm Wednesday to 11.00am Thursday, expect 140-170mm rain in the ranges and lesser amounts about the coast. Peak rates of 20-30mm/hr.</p> <p>Indications are rainfall volumes have exceeded forecast which has resulted in widespread flooding throughout the Grey and Buller districts.</p> <p>Numerous road closures centred around Westport.</p> <p>Metservice are forecasting rain in the region to ease, however a deep subtropical low is forecast to move over NZ from mid-Friday through the weekend bringing heavy rain and severe gales for central and northern NZ. Current Metservice Warnings (Red and Orange only):</p> <p>Heavy Rain Warning - ORANGE</p> <ul style="list-style-type: none"> • Area: Taranaki Period: 44hrs from 1pm Fri, 11 Feb - 9am Sun, 13 Feb • Area: Tongariro National Park Period: 47hrs from 2pm Fri, 11 Feb - 1pm Sun, 13 Feb • Area: Tararua Range Period: 46hrs from 8pm Fri, 11 Feb - 6pm Sun, 13 Feb • Area: Wellington and Wairarapa excluding the Tararua District Period: 43hrs from 8pm Fri, 11 Feb - 3pm Sun, 13 Feb • Area: Tasman west of Motueka Period: 27hrs from 9am Sat, 12 Feb - noon Sun, 13 Feb • Area: Horowhenua and Kapiti Period: 43hrs from 8pm Fri, 11 Feb - 3pm Sun, 13 Feb • Area: Marlborough Sounds, Richmond and Bryant Ranges, and Rai Valley Period: 25hrs from 11am Sat, 12 Feb - noon Sun, 13 Feb <p>Multiple Heavy Rain and Strong Wind Watches are also in place.</p> <p>The Regional Emergency Response Team (RERT) has been activated.</p> <p>In addition, a National Emergency Response Team (NERT) has been activated and is monitoring the progress of Cyclone Dovi and the heavy rain warnings that is forecast to impact the top of the South Island and North Island.</p> <p>A local state of Emergency was declared in Buller. Mandatory evacuations in Westport occurred on Thursday afternoon.</p>
Critical Information	<p>West Coast (as at 1707hrs) all State Highways reopened. SH6 (Lower Buller Gorge) reopened at 5pm. SH67 Westport to Mokihinui reopened at 3pm. (Note: Route 67 Mokihinui to Karamea remains closed – update from BDC 9.00am tomorrow). SH7 (Reefton to Hanmer Springs turnoff) reopened. NOC monitoring for slips over next 24hrs. WCRC CDEM will standdown however Buller CDEM still operational with meetings at 10am and 4pm tomorrow (12 February).</p> <p>Tasman/Marlborough SH65 (Shanendoah to Springs Junction) is the only State highway currently closed, however this is scheduled to reopen approx 5pm. Two sites will be single-lane traffic control. Marlborough Sounds area (local roads) prepared for response over next 24hrs. SH1 Weld Pass roadworks – confirmed to be going ahead Sunday – Thursday nights.</p> <p>North Canterbury Preparedness for Dovi. Heli flyover of Kaikoura coast and preparing to activate protocols.</p> <p>North Island NERT activated and monitoring the situation with planning underway.</p>
Actions carried out since last Sit Rep	<p>Media release distributed Friday midday as preconditioning for cyclone weather.</p> <p>Roads reopened where viable. Slip, culvert and debris clearance, rock scour reinstatement continues.</p> <p>Metservice briefings regarding the developing weather situation from Friday to Sunday.</p>
Risks - to SH network only	Road closures. Damage to SH infrastructure.

	Surface flooding, slips, washouts, debris in rivers causing damage to structures, bridge approach washouts, bridges overtopping due to river flows. Fatigue and safety of crews.
Risk Management	Precondition messaging via TREIS, social media, VMS signs. Cyclic crews patrolling network, focusing on at-risk locations/sections. Civil and cyclic crews operating in isolation to manage omicron risk. Fatigue management of resources. s9(2)(g)(i)
Predicted progression	SH65 (Springs Junction to Shenandoah) will reopen approx. 5pm Friday. Rain resumes in Buller, Tasman and Marlborough late-Friday. MetService forecast periods of heavy rain for Takaka Hill to Rai Valley from Saturday to Sunday (Accumulation: 100-150mm, Peak: 15-25mm/hr). Possible RED Rain Alert for Takaka. 30-50mm rain expected at Westport. Wind is not forecast to be severe.
Resources in place	Yes
Required resources	Nil

PART 2: DETAILED STATUS AND INTENDED ACTIONS

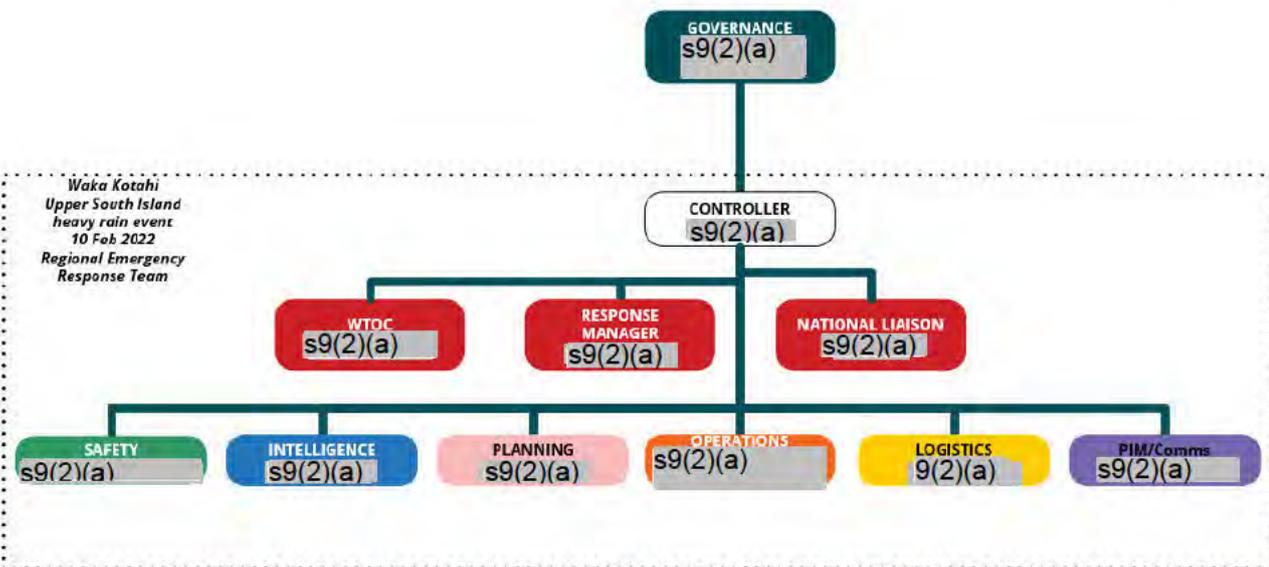
Land Transport System

Road	Region/Location	Impact and actions
West Coast		
SH6	Haast Pass to Greymouth	<p>Open No further damage noted following last weeks impacts</p> 
SH6	Greymouth to Punakaiki	<p>Open Single lane sections with traffic control. Surface Flooding at Coal Creek</p>

			Slips at Rapahoe and Barrytown 
SH6		Punakaiki to Westport	Open Single lane sections with traffic control throughout Slips at Costellos Hill
SH6		Westport to Inangahua (Lower Buller Gorge)	Open – Contractors still working in area.
SH6		Inangahua to O’Sullivans Bridge (Upper Buller Gorge)	Open – with restrictions Detour to SH69 via Browns Creek Road
SH7		Greymouth to Reefton	Open
SH7		Reefton to Springs Junction (Rahu)	Open – Contractors still working in area.
SH7		Springs Junction to Lewis Pass	Open
SH67		Westport to Mohikanui	Open - Contractors still working in area. (Note: Mokihinui to Karamea remains closed – update from BDC 9.00am tomorrow).
SH67a		Westport to Cape Foulwind	Open Surface flooding at Carters Beach with pavement damage
SH69		Reefton to Inangahua Junction	Open – Contractors still working in area. Detour to Upper Buller Gorge via Browns Creek Road to be removed shortly.  (Photo from Thurs)
Tasman			
SH65		Springs Junction to O’Sullivans Bridge (Shanandoah)	Closed but is scheduled to reopen approx 5pm.
SH6		O’Sullivan’s Bridge to Murchison	Open

PART 3: DETAILED DISTRIBUTION LIST	
Name	Details
s9(2)(a)	

s9(2)(a)



Valid Sun 13-Feb-2022 through Wed 16-Feb-2022

Sun 13 Feb
to Mon 14 Feb
Severe Gales: NE then SW
Confidence High

Sun 13 Feb
to Mon 14 Feb
Severe Gales: NE then SW
Confidence Low

Sun 13 Feb
to Mon 14 Feb
Heavy Rain
Severe Gales: S-SE
Confidence High

Sun 13 Feb
Heavy Rain
Severe Gales: SE
Confidence Moderate

Sun 13 Feb
Severe Gales: SE
Confidence Moderate

Sun 13 Feb
to Mon 14 Feb
Heavy Rain
Severe Gales: S
Confidence Low

Sun 13 Feb
Heavy Rain
Confidence Moderate

Issued 01:37 pm 11-Feb-2022

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Severe Weather by Region

NORTH ISLAND

- Upper 1 Warning/Watch >
- West 3 Warnings/Watches >
- Central 2 Warnings/Watches >
- East 0 Warnings/Watches >
- Lower 6 Warnings/Watches >

SOUTH ISLAND

- Upper 6 Warnings/Watches >
- Central 1 Warning/Watch >
- Lower 0 Warnings/Watches >

OTHER ISLANDS

- Chatham Islands 0 Warnings/Watches >

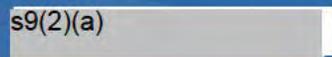




11 Feb, MetService weather briefing

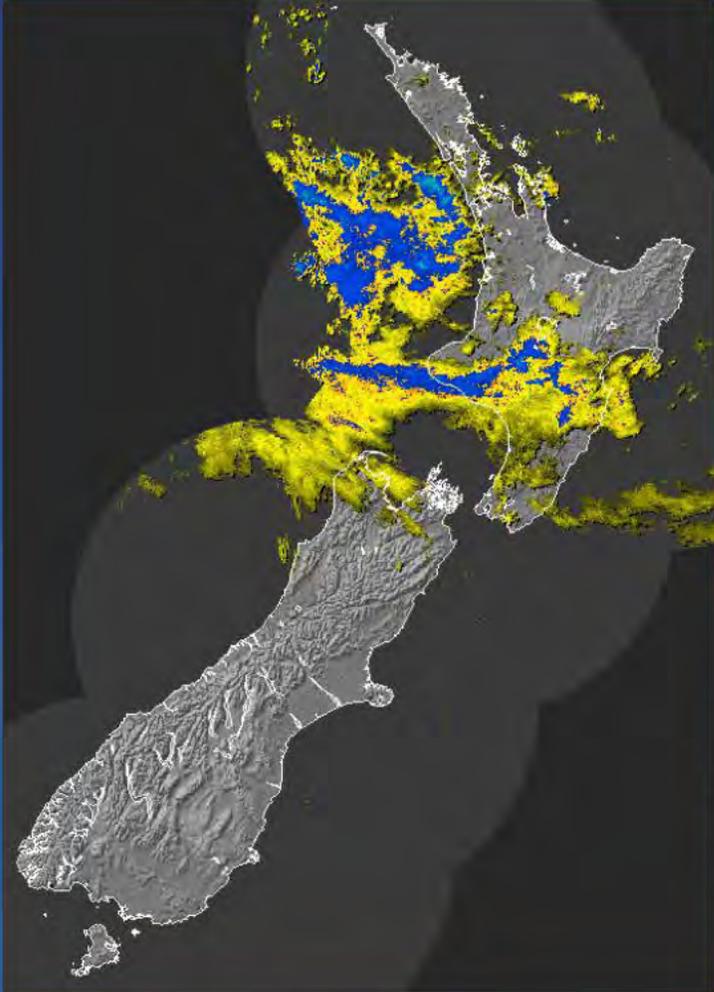


s9(2)(a), Senior Meteorologist

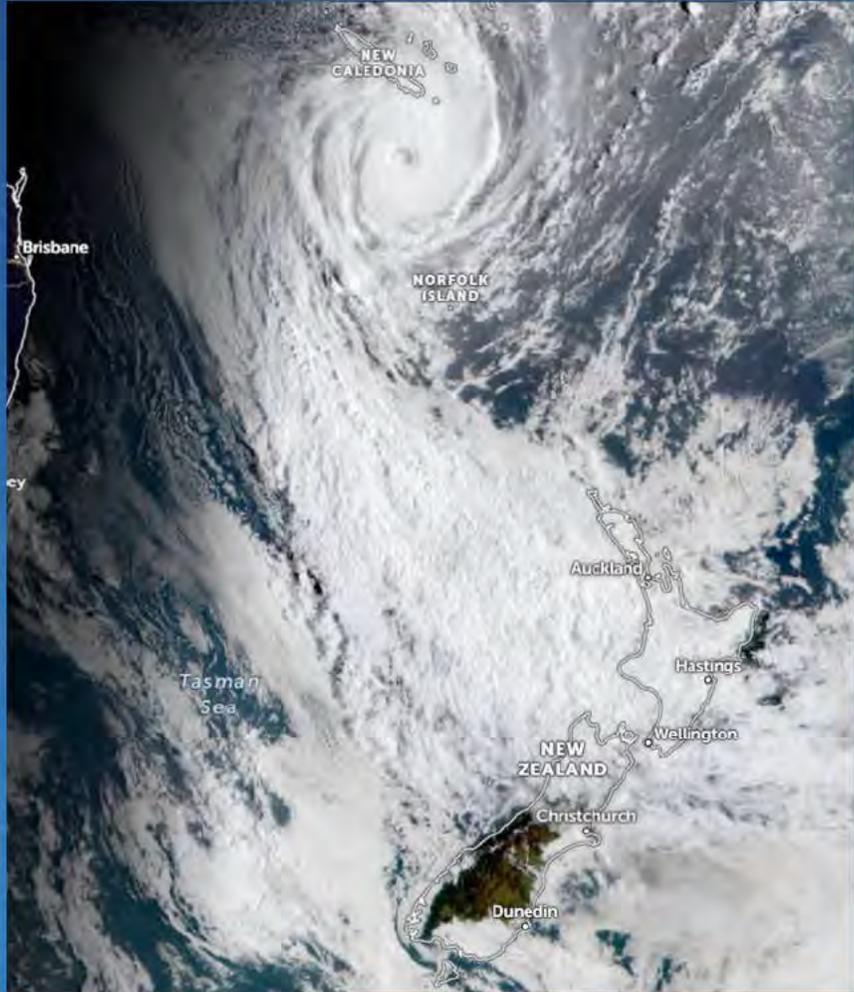


s9(2)(a) Expert Meteorologist

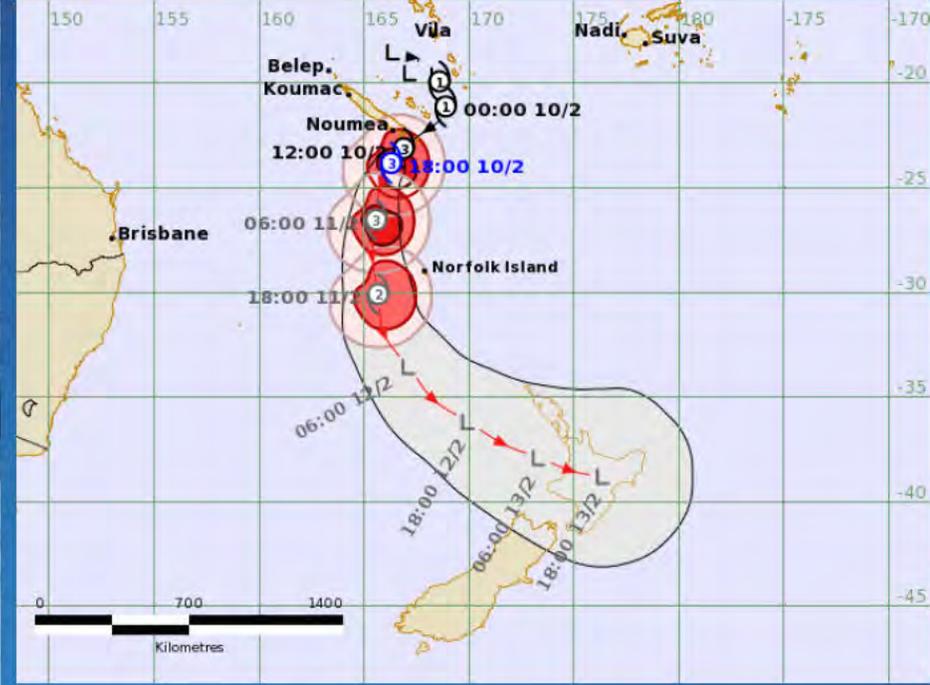
9am radar image



9am satellite image
TC Dovi south of New Cal.



7am cyclone track map from
Fiji Met Service



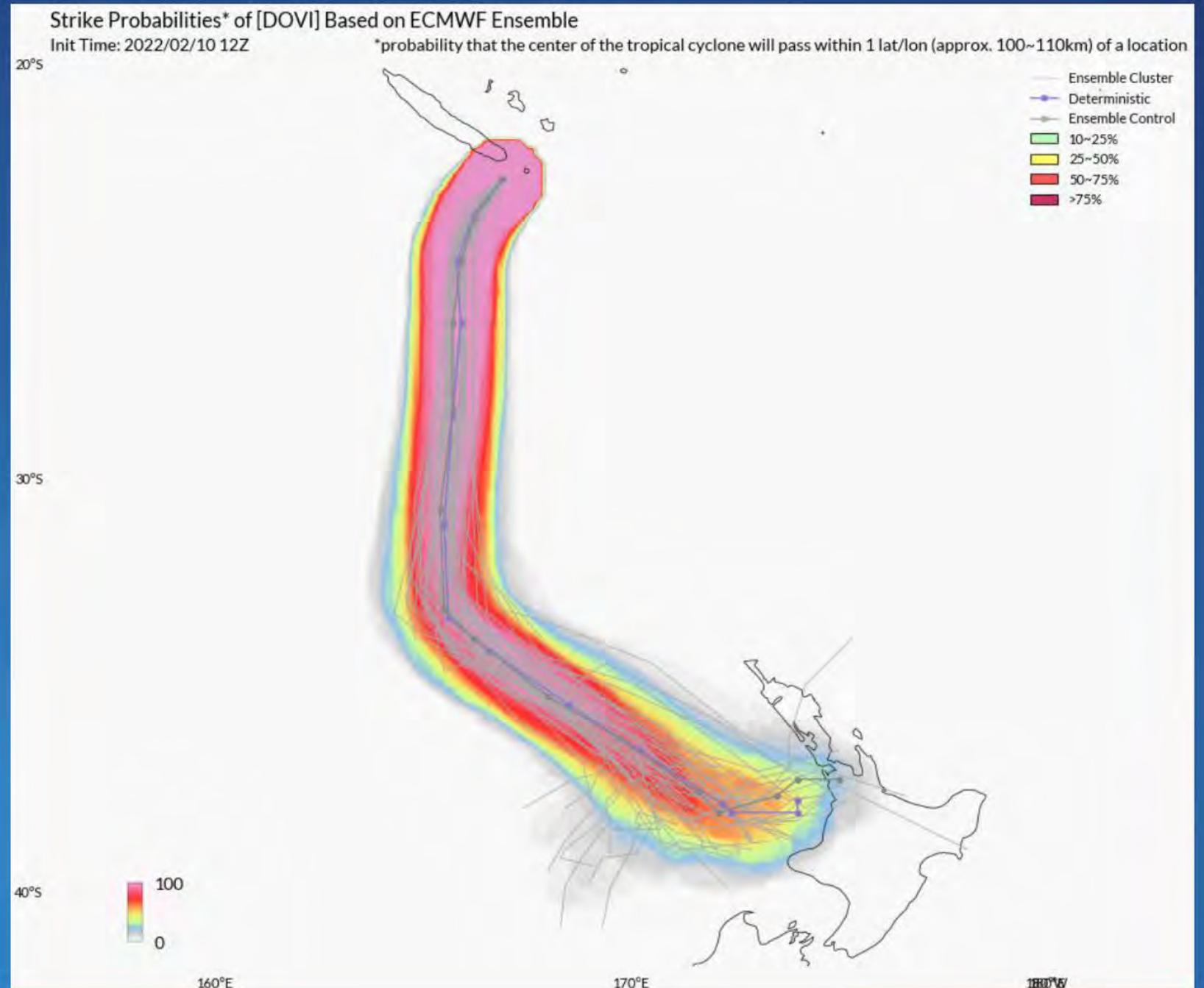
NZ MetService will take over
warning responsibility for
TC Dovi today (for 1pm warning)



TC Dovi strike probability map from ECMWF model

→ Good agreement in models for TC track into Tasman Sea, then curve towards west of N.I.

→ Models suggest low centre will cross central N.I. from overnight Sun to Mon morning

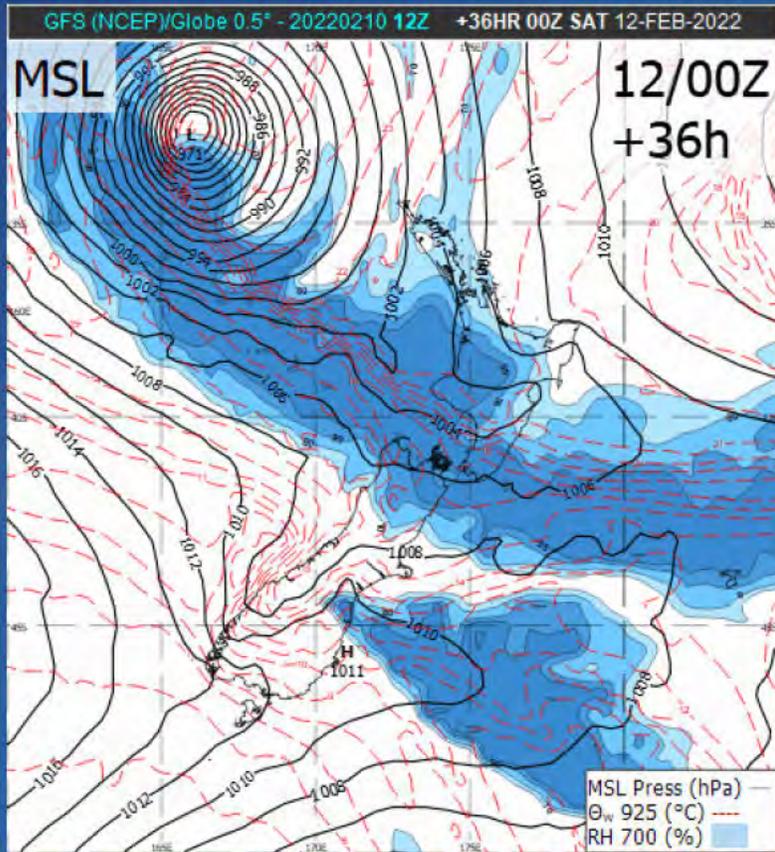


Probable scenario based on current modelling

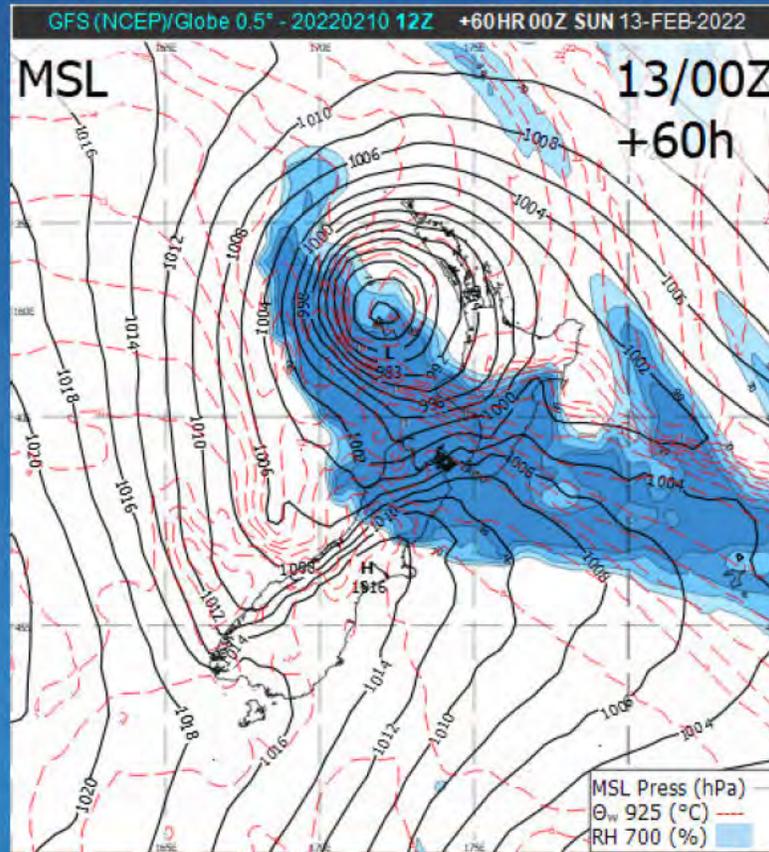
Heavy rain over central NZ on SAT ahead of Dovi

Ex-TC Dovi approaches N.I. on SUN,
heavy rain central NZ,
strong wind north + central NZ

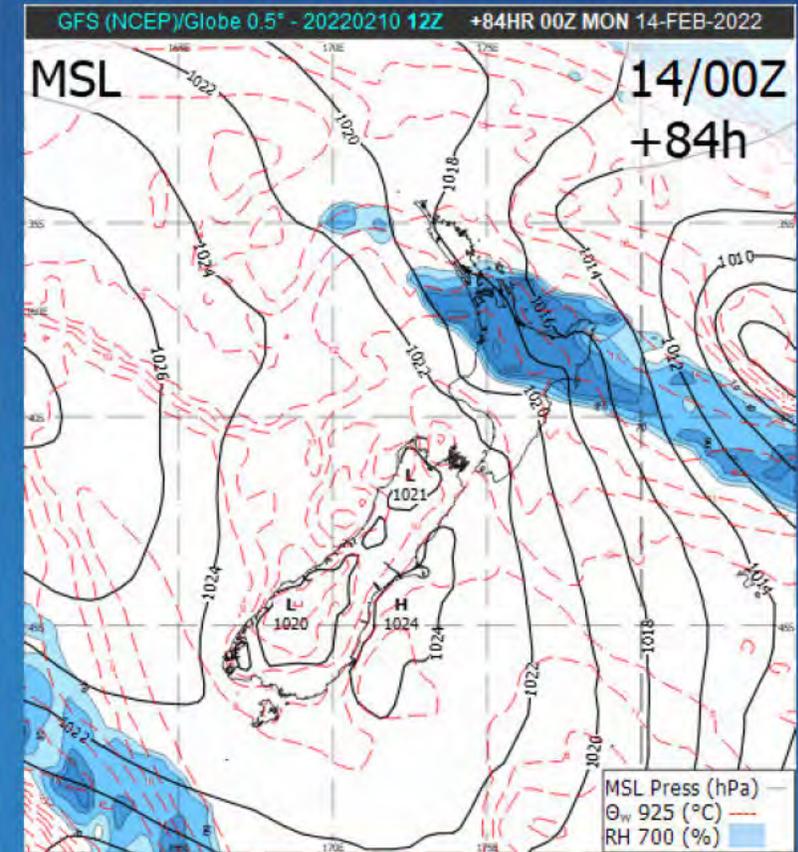
Ex-TC crossed N.I. by MON,
wind+rain eases central NZ,
shifts to east of N.I.



1pm Sat



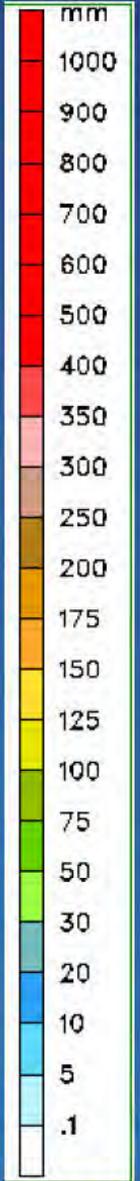
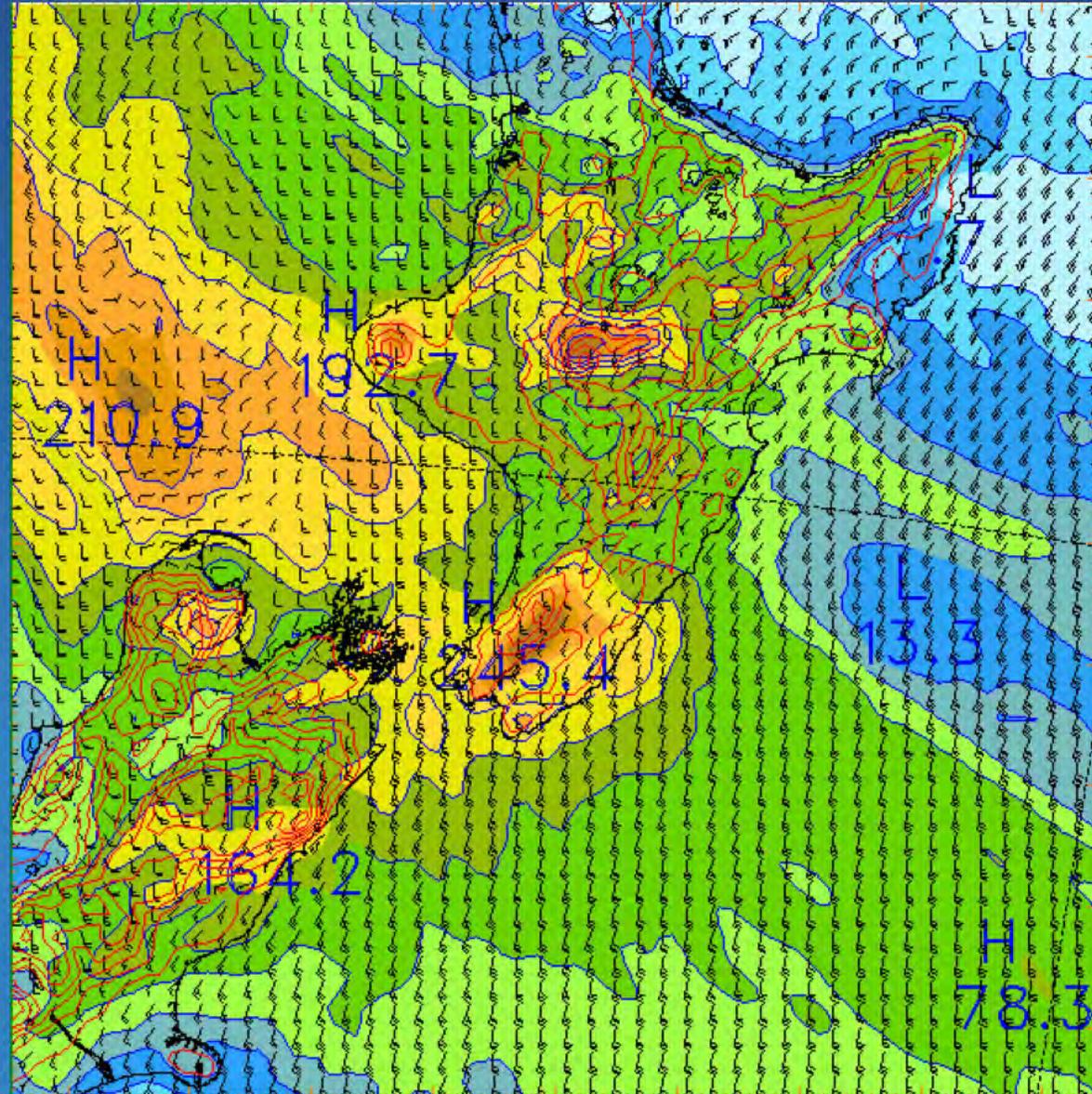
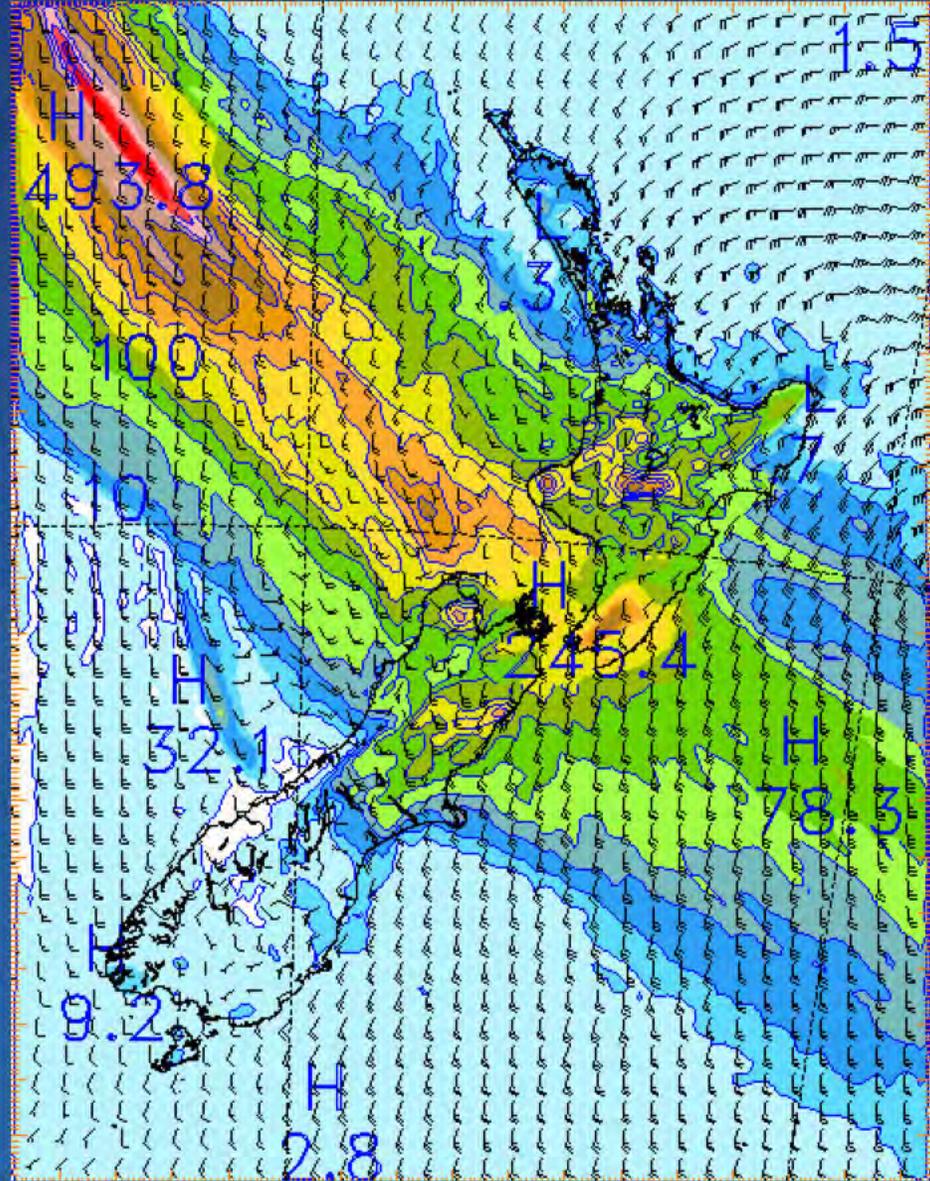
1pm Sun



1pm Mon

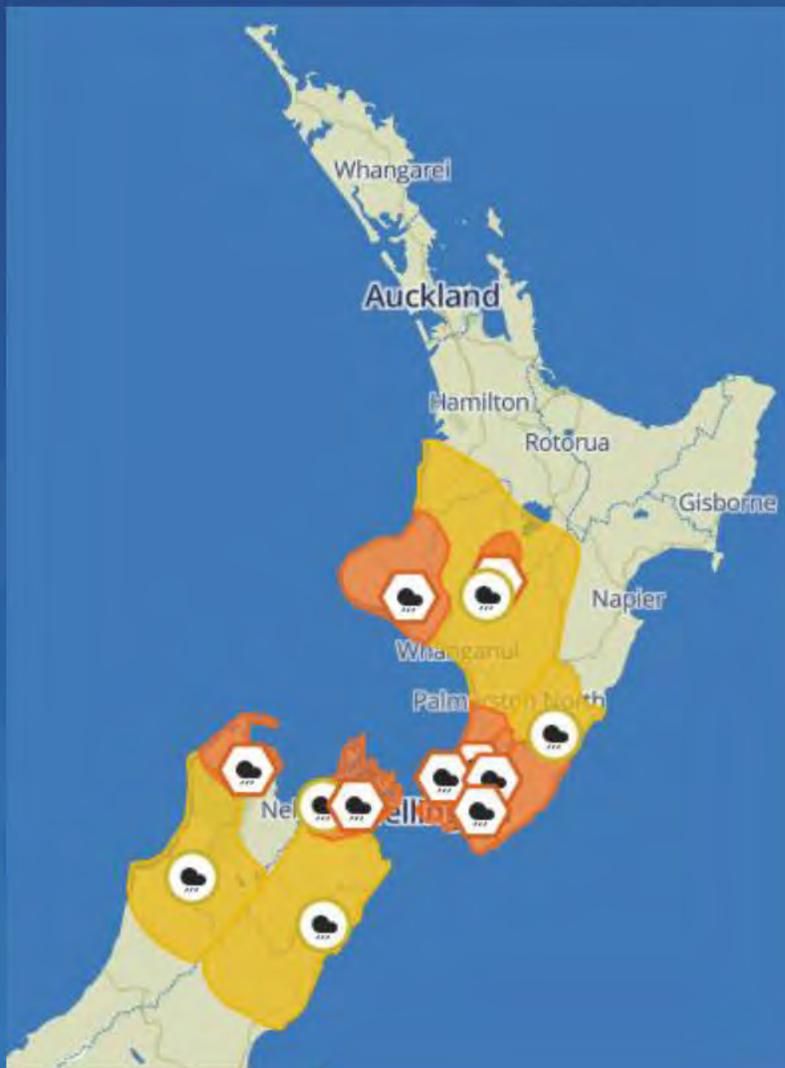


Indicative 3-day rainfall pattern: FRI + SAT + SUN
Note: warning numbers will differ! (and more to add Mon morning...)

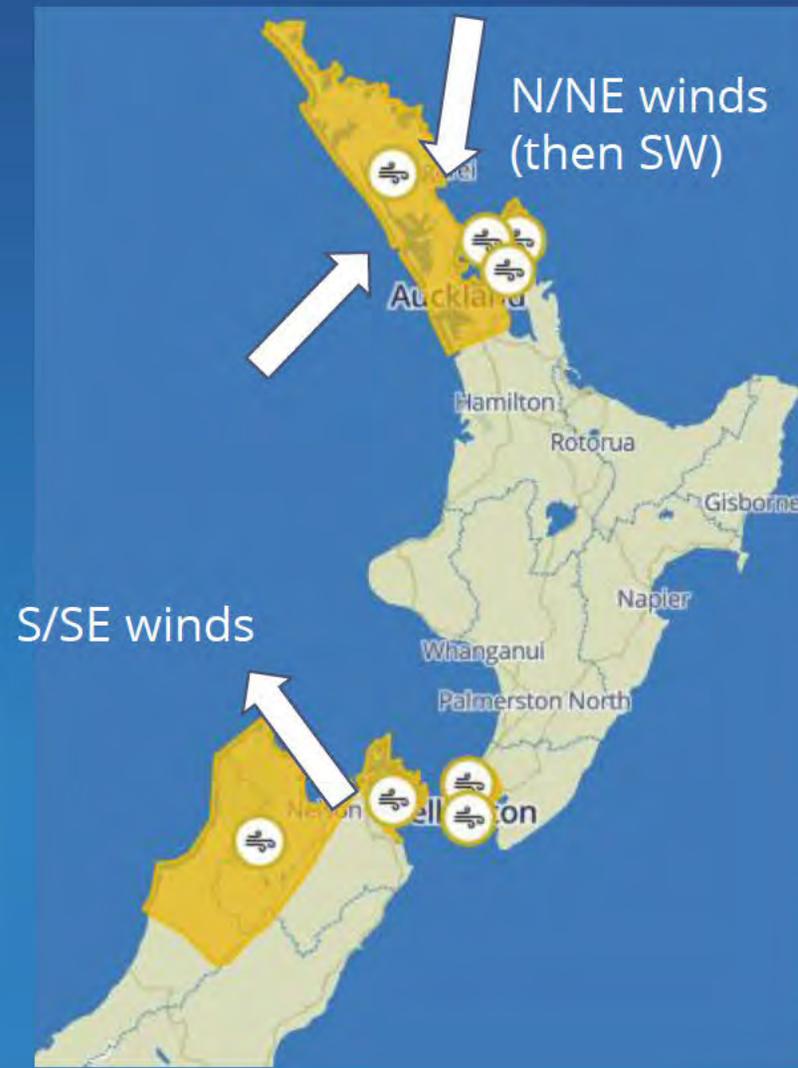


Current Watches and Warnings, 9:44am update

Rain



Wind



Key messages

- Burst of mod/heavy rain over central NI and far upper SI today (FRI), easing for a time SAT morning
- Heavy rain developing over central NZ from SAT afternoon ahead of Dovi (Taranaki/Tongariro to Wellington/Wairarapa and Tasman/Marlb.)
- Overrunning (opposing winds) will enhance rain over lower NI – large amounts of rain possible lower N.I. overnight Sat (our main concern area for potential flooding)
- Some rain for Buller, risk of heaviest falls late SAT to SUN morning (indicative amounts: 40-70mm)
- Strong winds from late SAT (northerlies in north) to SUN (S/SE winds central NZ, northern NZ turn SW later)
- Large NW swell for western coasts overnight SAT into SUN

Other areas of attention:

- Taranaki
- Parts of Marlborough (incl Rai/Richmond area) and NW Tasman
- Gisborne – late Sun to Mon, southerlies and rain developing

Watches/Warnings will be regularly reviewed to reflect most likely outcome (highly dependent on track of ex-TC!)





Thank you 

Ministers Update – Ex Tropical Cyclone (TC) Dovi 17:00 hours 12 February 2022

The next update will be at 13:00 hours 13 February 2022

Speaking Points

1. Heavy rain and severe gales are forecast for central and northern New Zealand this weekend as Tropical Cyclone Dovi approaches.
2. The National Emergency Management Agency is closely monitoring the situation and is ready to coordinate Government support if it is needed.
3. Impacts from the weather are beginning to be felt around the country, and are likely to worsen overnight.
4. Stay up to date with the latest weather warnings from MetService and follow any instructions from local civil defence emergency management groups.
5. We are expecting flooding, strong winds, slips, road closures, fallen trees, and other impacts in affected regions.
6. Civil defence emergency management groups across the country, together with emergency services and other agencies, are ready respond to impacts in their communities and coordinate evacuations if needed.
7. Take these warnings seriously and get ready before the bad weather arrives. Bring inside or tie down anything that strong winds could break or pick up. If you have a trampoline, turn it upside down to minimise the surface area exposed to wind. Find out how to get ready for storms at getready.govt.nz/emergency/storms/
8. Stay inside during severe weather Don't walk around outside. Don't drive unless absolutely necessary. If you do have to travel check the latest traffic information before you go: journeys.nzta.govt.nz
9. The National Emergency Management Agency (NEMA) has activated its National Coordination Centre. NEMA hosted a further national teleconference today with CDEM Groups to continue to coordinate preparation for the effects of Tropical Cyclone Dovi. These will continue through the event.

Situation Overview

New Zealand

- Currently there are a number of weather watches and warnings across New Zealand related to the approaching Tropical Cyclone Dovi. These cover the top of the South Island and from Taranaki/Taupo south and Auckland north. A number of these warnings are at an orange level for wind and rain.
- NEMA has activated the National Coordination Centre (NCC) and is supporting CDEM Groups in preparation for the incoming severe weather.
- FENZ, Police and NZDF have liaison officers in the NEMA NCC.
- Taranaki have activated their Emergency Coordination Centre (ECC) and South Taranaki have activated their Emergency Operations Centre (EOC) in preparation for the

incoming weather. They are both activated at a reduced capacity to rest staff before the weather impacts.

- The Manawatu-Whanganui Group ECC activated at an incident management team (IMT) level yesterday (Friday 11 February) to prepare for the severe weather.
- Other CDEM Groups are monitoring the situation and undertaking planning. They will activate their emergency centres as required.

West Coast

- The Buller District Declared a State of Local Emergency at 09:45 hours Thursday 10 February and this remains in effect.
- The Grey ECC and Buller EOC remain activated. CDEM Group staff from Canterbury, Otago and Southland have surged in to support the West Coast ahead of the weekend.
- Rapid building assessments are continuing to occur in Westport and surrounding areas.
- State Highway 67 north of Westport is closed and Karamea is isolated. All other State Highways on the West Coast reopened at 17:00 hours last night (Friday 11 February).

Tairāwhiti

- All families in the isolated area are well and happy and have food for 5 to 6 days.
- Further updates will be provided by the CDEM Group after a meeting on Tuesday 15 February 2022 unless there are significant developments.

Waikato

- Waikato have reported some surface flooding throughout the region from rain last night (Friday 11 February).
- The Marokopa area (Waitomo District) is currently isolated due to surface flooding and slips. The local response group are looking after isolated people and roading contractors are working to gain access to the area.

Predicted Weather Development

- Tropical Cyclone Dovi was reclassified as an extra tropical low this afternoon (Saturday 12 February). Note this is only a change in terminology and this remains a significant weather system.
- Heavy rain spreading over central New Zealand today (Saturday 11 February) ahead of Tropical Cyclone Dovi. MetService's update today (Saturday 11 February) is that the main areas of concern are Wellington/Kapiti/Wairarapa regions, including Tararua Range.
- MetService expect bursts of heavy rain overnight tonight (Saturday 12 February) and there is concern for urban/surface flooding especially in the Greater Wellington region. The ranges of Buller and Nelson Lakes can expect 40-70 mm of rain, with 70-100 mm possible north of Karamea.
- Current cyclone models show Tropical Cyclone Dovi tracking towards New Zealand and will likely cross the west coast of the North Island around midday Sunday (13 February) which is 3-6 hours ahead of yesterday's (11 February) forecast.

- Strong north to northeasterly winds in northern New Zealand and strong south to southeasterly winds across central New Zealand expected overnight Saturday to early Sunday (12-13 February). Then very strong southerly winds in Taranaki and very strong southwesterly winds in Auckland (and northern Waikato/Coromandel) on Sunday (13 February).
- Large northwest swells are expected on the western coasts overnight Saturday and into Sunday (12-13 February). This is an unusual direction for large waves.
- There is a risk of storm surge in Waikato-Taranaki coasts on Sunday, however high tides will not occur at the same time the cyclone crosses the coast.
- Watches and Warnings will be regularly reviewed by MetService to reflect most likely outcome which is highly dependent on track of Tropical Cyclone Dovi.

NATIONAL EMERGENCY MANAGEMENT AGENCY (NEMA) SITUATION REPORT: 003

ISSUED AT 17:00 hours ON 12/02/2022

Event name:	Activation status:				
Ex Tropical Cyclone (TC) Dovi	NCC Activated – Mode 2 (Assist)				
Contact:	Incident Classification:				
Email: ncc.operations@nema.govt.nz	<table border="1"> <tr> <td rowspan="3">N 2</td> <td style="text-align: center;">↑ ⊙</td> </tr> <tr> <td style="text-align: center;">S</td> </tr> <tr> <td style="text-align: center;">↓</td> </tr> </table> <p>N1 = A minor national level response N2 = A moderate national level response N3 = A major national level response N4 = A severe national level response</p>	N 2	↑ ⊙	S	↓
N 2	↑ ⊙				
	S				
	↓				
Report authorised by: NCC Controller	Report prepared by: NCC Intelligence				
Date/time of approval: 16:45 hours on 12 February 2022	Next Situation Report will be issued at: 17:00 hours on 13 February 2022				

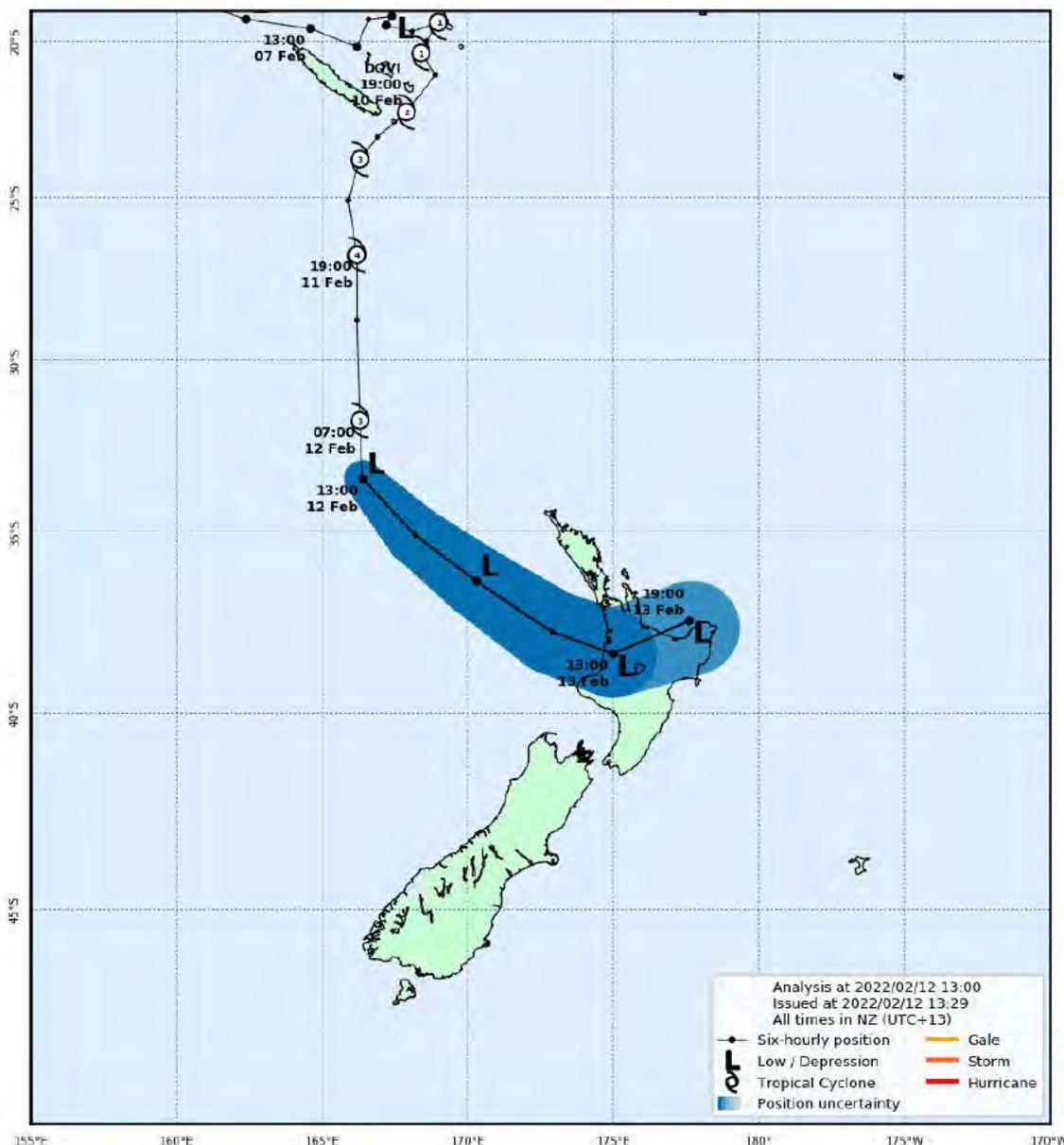
Updated information is in *red text*.

PREDICTED PROGRESSION

- Currently there are a number of weather **watches and** warnings across New Zealand related to the approaching Tropical Cyclone Dovi. These cover the top of the South Island and from Taranaki/**Taupo** south and Auckland north. A number of these warnings are at an orange level **for wind and rain**.
- Tropical Cyclone Dovi was reclassified as an extra tropical low this afternoon (Saturday 12 February). **Note this is only a change in terminology and this remains a significant weather system.**
- Heavy rain spreading over central New Zealand today (Saturday 11 February) ahead of Tropical Cyclone Dovi. **MetService's update today (Saturday 11 February) is that the main areas of concern are Wellington/Kapiti/Wairarapa regions, including Tararua Range.**
- **MetService expect bursts of heavy rain overnight tonight (Saturday 12 February) and there is concern for urban/surface flooding especially in the Greater Wellington region. The ranges of Buller and Nelson Lakes can expect 40-70 mm of rain, with 70-100 mm possible north of Karamea.**
- Current cyclone models show Tropical Cyclone Dovi tracking towards New Zealand and will likely cross the west coast of the North Island **around midday Sunday (13 February) which is 3-6 hours ahead of yesterday's (11 February) forecast.**

- Strong north to northeasterly winds in northern New Zealand and strong south to southeasterly winds across central New Zealand expected overnight Saturday to early Sunday (12-13 February). Then very strong southerly winds in Taranaki and very strong southwesterly winds in Auckland (and northern Waikato/Coromandel) on Sunday (13 February).
- Large northwest swells are expected on the western coasts overnight Saturday and into Sunday (12-13 February). This is an unusual direction for large waves.
- There is a risk of storm surge in Waikato-Taranaki coasts on Sunday, however high tides will not occur at the same time the cyclone crosses the coast.
- Watches and Warnings will be regularly reviewed by MetService to reflect most likely outcome which is highly dependent on track of Tropical Cyclone Dovi.

This is the forecast track map for the Tropical Cyclone Dovi issued by Tropical Cyclone Warning Centre Wellington (TCWC Wellington) at 13:29 hours 12 February 2022.



CDEM GROUPS

Declaration status:	Time declared:
State of Local Emergency in Buller District	10 February 2022 09:45hrs
Emergency Coordination Centre (ECC) status	
Taranaki ECC	Activated
Manawatu-Whanganui ECC	Activated
Grey ECC	Activated
Emergency Operations Centre (EOC) status	
South Taranaki EOC	Activated (remote)
Buller EOC	Activated

All other ECCs and EOCs are monitoring the situation and will escalate if required.

West Coast

- The Buller District Declared a State of Local Emergency at 09:45 hours Thursday 10 February and this remains in effect.
- The Grey ECC and Buller EOC remain activated. CDEM Group staff from Canterbury, Otago and Southland have surged in to support the West Coast.
- Rapid building assessments are **continuing to occur in Westport and surrounding areas.**
- **State Highway 67 north of Westport is closed and Karamea is isolated. All other State Highways on the West Coast reopened at 17:00 hours last night (Friday 11 February).**

Tairāwhiti

- A community remains isolated in East Cape due to a slip from severe weather **earlier this week.**
- All families in the isolated area are well and happy and have food for 5 to 6 days.

Waikato

- **The Marokopa area (Waitomo District) is isolated due to surface flooding and slips. The local response group are looking after isolated people and roading contractors are working to gain access to the area.**

NATIONAL RESOURCES

- The NEMA National Coordination Centre (NCC) was activated at 07:00 hours 10 February 2022 to support the West Coast and Tairāwhiti. The NCC has now transitioned to support CDEM Groups preparing for potential impacts of Tropical Cyclone Dovi across New Zealand.
- NEMA hosted a further national teleconference today (12 February) with CDEM Groups to continue to coordinate preparation for the effects of Tropical Cyclone Dovi. These will continue through the event.
- NEMA has two Regional Emergency Management Advisors (REMAs) deployed to the West Coast and two to Taranaki.
- FENZ, Police and NZDF have liaison officers in the NEMA NCC.

RISKS AND ISSUES

1. Isolation of the Karamea community due to the closure of State Highway 67.
2. The difficulty in following public health protocols regarding COVID-19 during this event will introduce risks for the public and responders.
3. The availability of surge personnel to deploy into regions potentially impacted by Tropical Cyclone Dovi.
4. There could be risks to already impacted infrastructure from previous weather and potential for further slips in saturated ground.
5. Change in forecast leading to more significant impacts and possibly over a wider area.

PRIORITIES FOR THE NEXT PERIOD

- Sustaining NCC operations and deployed NEMA staff.
- NEMA and other central government agencies will closely track weather event and possible impacts across New Zealand ahead of incoming severe weather over the coming weekend.

Waka Kotahi National Emergency Response Situation Report

Incident:	Severe Weather Event and Ex-cyclone Dovi	Sit rep #	1
Date:	Sat 12/02/21	Time:	1230hrs
Period covering:	1630hrs Fri 11/02/22 – 1230hrs Sat 12/02/22		
Prepared by:	s9(2)(a)		
Approved by:	s9(2)(a), Lead Controller		
Next Sit Rep:	1900hrs Saturday 12 February 2022		

PART 1: SUMMARY

Summary of incident	<p>Heavy rain and severe wind for top of the South Island and North Island with potential for storm surge to impact coastal locations.</p> <p>Cyclone Dovi is approaching New Zealand, currently a Category 3 storm and likely to be downgraded to an ex-cyclone later today. It is forecast to cross central New Zealand on Sunday (forecast has it centred on making landfall around Raglan).</p> <p>Ahead of the low pressure system is heavy bands of rain that started to impact the West Coast late last week with numerous road closures centred around Westport. However all State highways impacted by this event are now open, with many still with traffic management in place restricting movement to single lanes.</p> <p>This is a significant weather event, with widespread adverse conditions likely and weather warnings and watches for heavy rain and severe wind issues for many regions across the top of the South Island and the North Island. In addition MetService have forecast tidal storm surges of up to 3 metres in some places.</p> <p>Waka Kotahi has two Emergency Response Teams activated to coordinate planning and impacts from this weather event:</p> <ul style="list-style-type: none"> • National Emergency Response Team (NERT) – focusing on the top of the South Island and North Island • Regional Emergency Response Team (RERT) – focusing on the impacts and clean up from the impacts to the West Coast and any risk to the Canterbury region. The RERT reports to the NERT via the Operations function. <p>The following roads are closed:</p> <ul style="list-style-type: none"> • SH67 – route 67 to Karamea is closed from Mokihinui (this is a local Council road) • SH4 – South of Te Mapara due to flooding <p>In addition, the following roads have active warnings in place:</p> <ul style="list-style-type: none"> • SH5 – Napier to Taupo – surface water and slips • SH7 – Springs Junction to Reefton – surface water • SH6 – Eight Mile to Inangahua – surface water • SH6 Inangahua to Westport (Lower Buller Gorge) – surface water • SH65 – Springs Junction to O’Sullivan’s Bridge – flooding and slips • SH67 – Westport to Mokihinui – surface water • SH6 – Hira to Rai Valley – flooding • SH25 – Thames to Waihi – RED Alert for wind • SH1 – Rangipo to Waiouru – RED Alert for wind and rain • SH1 – Auckland Harbour Bridge – RED Alert for wind <p>A significant risk is the RED alert for wind for the Auckland Harbour Bridge for Sunday 13 February. MetService forecast suggest the wind speeds have the potential to reach gusts around 130km/hour which would require the bridge to be completely closed to traffic – current risk period is between 10:00 and 16:00 on 13/02.</p> <p>WREMO is reporting that some Cook Strait ferries are being cancelled due to the weather event.</p>
Critical Information	<p>West Coast Route 67 (Mokihinui to Karamea) remains closed as Buller DC continue to address numerous slips and damage caused at several sites by the heavy rain. Rain is falling as forecast. Waka Kotahi’s contractors are monitoring for further slips and the potential for downed trees from wind gusts.</p> <p>Nelson-Tasman/Marlborough Monitoring State Highways, with watch on Rai Valley. Monitoring Rocks Road with a forecast of up to 3m tidal surges forecast. Monitoring local roads in the Marlborough Sounds</p> <p>North Canterbury Monitoring for impacts to SH1 between Blenheim and Kaikoura.</p> <p>Wellington Surface flooding around the region expected by mid-day tomorrow (Sunday 13/02).</p>

	<p>High wind expected in early hours, peaking mid to late morning with 100-110 km/h gusts forecast for Remutaka Hill (SH2). Issue reported with new seal at Kuku (south of Levin) (SH1). Contractors addressing with 30km/h speed limit in place.</p> <p>Manawatu Watching all State Highways in the region with some small slips reported to date.</p> <p>Taranaki Watching all State Highways in the region with some small slips and surface water reported to date.</p> <p>Hawkes Bay Monitoring SH5 between Napier and Taupo. Some small slips and surface flooding reported – no current road closures.</p> <p>Gisborne No issues currently reported, active monitoring underway.</p> <p>Waikato SH4 CLOSED south of Te Mapara due to flooding (between Eight Mile Junction & Tauramanui). Reports of lots of minor surface flooding and one slip.</p> <p>Bay of Plenty No issues currently reported, active monitoring underway.</p> <p>Auckland Significant risk to the Auckland Harbour Bridge from high winds on Sunday (13/02). Planning underway to monitor situation and close bridge to high sided vehicles and/or all vehicles as required and for bridge assessments to be carried out prior to re-opening.</p>
Actions carried out since last Sit Rep	<p>This is the first national sitrep. Daily MetService briefings have occurred and remain planned (next one 10:30 Sunday 13/02)</p>
Risks - to SH network only	<p>Road closures. Damage to SH infrastructure. Surface flooding, slips, washouts, debris in rivers causing damage to structures, bridge approach washouts, bridges overtopping due to river flows. Fallen trees. High winds needing roads to be closed. Fatigue and safety of crews.</p>
Risk Management	<p>Precondition messaging via TREIS, social media, VMS signs, media releases. Cyclic crews patrolling network, focusing on at-risk locations/sections. Civil and cyclic crews operating in isolation to manage omicron risk. Fatigue management of resources – roads will be closed rather than operated under traffic management to preserve contractor crews.</p>
Predicted progression	<p>Heavy rain to continue through to late Sunday/early Monday across many regions. High winds from early to late Sunday as ex-cyclone Dovi crosses New Zealand. High storm surge to some coastal areas across Sunday.</p>
Resources in place	NERT & RERT activated and contractor crews in place.
Required resources	Nil

PART 2: DETAILED STATUS AND INTENDED ACTIONS

Land Transport System			
Road	Region/Location	Impact and actions	
West Coast			
SH6	Greymouth to Punakaiki	Open Single lane sections with traffic control. Surface Flooding at Coal Creek Slips at Rapahoe and Barrytown	
SH6	Punakaiki to Westport	Open Single lane sections with traffic control throughout Slips at Costellos Hill	
SH6	Westport to Inangahua (Lower Buller Gorge)	Open – Contractors still working in area.	
SH6	Inangahua to O’Sullivans Bridge (Upper Buller Gorge)	Open – with restrictions Detour to SH69 via Browns Creek Road	
SH7	Reefton to Springs Junction (Rahu)	Open – Contractors still working in area.	

Waka Kotahi National Emergency Response Situation Report

Incident:	Severe Weather Event and Ex-cyclone Dovi	Sit rep #	2
Date:	Saturday 12 February 2022	Time:	1900hrs
Period covering:	1230hrs – 1900hrs Saturday 12 February 2022		
Prepared by:	s9(2)(a)		
Approved by:	s9(2)(a), Lead Controller		
Next Sit Rep:	1200hrs Sunday 13 February 2022		

PART 1: SUMMARY

Summary of incident	<p>Heavy rain and severe wind for top of the South Island and North Island with potential for storm surge to impact coastal locations.</p> <p>Tropical Cyclone Dovi has been reclassified as an extra tropical low this afternoon, however remains a significant weather system. It is forecast to cross the west coast of the North Island around midday Sunday (tomorrow).</p> <p>Ahead of the low pressure system heavy bands of rain are forecast to affect the following regions:</p> <ul style="list-style-type: none"> • Wellington/Kapiti/Wairarapa including the Tararua range. • Buller and Nelson Lakes <p>The low pressure system is expected to bring about very strong winds affecting the following regions:</p> <ul style="list-style-type: none"> • Auckland • Waikato including the Coromandel • Taranaki • Manawatu • Wellington <p>Large swells are expected on the western coasts overnight tonight into Sunday. There is also a risk of storm surge affecting the Waikato to Taranaki east coast on Sunday although these are not forecast to coincide with high tides.</p> <p>Waka Kotahi has activated its National Emergency Response Team (NERT) to coordinate planning and impacts from this weather event:</p> <p>The following roads are closed:</p> <ul style="list-style-type: none"> • SH67 – at Mokihinui due to a slip. This road is planned to be opened at 1900 hours today. • Local road - route 67 to Karamea is closed from Mokihinui • SH1 – at Marton due to flooding – a detour is available <p>MetService has issued the following wind alerts for the Auckland Harbour Bridge:</p> <ul style="list-style-type: none"> • May trigger an Amber alert – gusts may be up to 80km/hr 2000 12/02/22 to 0200 13/02/22 • Amber alert – expect wind gusts 80 – 100 km/hr from 0200 to 0700 13/02/22 • RED alert – expect gusts 100 – 1220 km/hr from 0700 to 1000 (possibly 1100) 13/02/22 • RED alert – expect gusts 110 – 120 km/hr with risk of extreme gusts 130 – 140 km/hr from 1000 (possibly 1100) to 1600 13/02/22 • Winds are expected to turn southerly between 1600 and 188 on 13/02/22 and quickly drop below alert thresholds as the low moves away to the East. <p>Closure of the Auckland Harbour Bridge during the Red alerts is possible.</p> <p>All Cook Strait ferries have been cancelled for tomorrow (Sunday 13 February).</p>
Critical Information	<p>West Coast</p> <p>The local road - Route 67 (Mokihinui to Karamea) will remain closed until at least 0900 Monday 14 February. Buller District Council continue to inspect and address slips on this road.</p> <p>All State Highways are OPEN with the exception of a short section of SH67 between Mokihinui and Seddonville. This is expected to be opened around 1900 hours tonight (12/02/22)</p> <p>Nelson-Tasman/Marlborough</p> <p>All State Highways are open.</p> <p>North Canterbury</p> <p>All State Highways are open. 86mm of rain is expected and the contractor is prepared for any issues.</p> <p>Wellington</p> <p>Surface flooding reported to roads in Wairarapa.</p> <p>Surface flooding around the region expected by mid-day tomorrow (Sunday 13/02).</p> <p>High wind expected in early hours, peaking mid to late morning with 100-110 km/h gusts forecast for Remutaka Hill (SH2).</p> <p>Manawatu</p> <p>SH1 CLOSED at Marton (Calico Line) due to flooding with a detour available.</p> <p>Saddle Road and Pahiatua Track having small slips and being monitored.</p> <p>Taranaki</p> <p>SH4 Opened around 1400 hours today.</p>

	<p>SH3 has a spillage which is proving challenging to clean up and temporary speed restriction in place.</p> <p>Hawkes Bay Small slips around the network resolved. Crews are resting to manage fatigue.</p> <p>Gisborne No issues currently reported, active monitoring underway.</p> <p>Waikato Reports of lots of minor surface flooding and one slip.</p> <p>Bay of Plenty No issues currently reported, active monitoring underway.</p> <p>Auckland Significant risk to the Auckland Harbour Bridge from high winds on Sunday (13/02). Planning underway to monitor situation and close bridge to high sided vehicles and/or all vehicles as required and for bridge assessments to be carried out prior to re-opening. Has crews and a tree contractor on standby to respond to issues across the rest of the network.</p>
Actions carried out since last Sit Rep	<p>All contractors have been requested to look after and manage their workforce and prevent fatigue. If necessary, roads will be closed and key routes prioritised in order to allow effective management of people on the ground.</p> <p>Relationships established with all active CDEM Groups.</p> <p>NERT meeting at 1600 hours. Next one planned for 0800 tomorrow (13/02/22).</p> <p>Freight industry contacted and advised of the risk to the Auckland Harbour Bridge.</p> <p>South Island RERT stood down with key personnel included as key part of the NERT.</p> <p>Planning to manage any closure and reopening of the Auckland Harbour Bridge.</p>
Risks - to SH network only	<p>Road closures. Damage to SH infrastructure.</p> <p>Surface flooding, slips, washouts, debris in rivers causing damage to structures, bridge approach washouts, bridges overtopping due to river flows.</p> <p>Fallen trees.</p> <p>High winds needing roads to be closed.</p> <p>Fatigue and safety of crews.</p>
Risk Management	<p>Precondition messaging via TREIS, social media, VMS signs, media releases.</p> <p>Cyclic crews patrolling network, focusing on at-risk locations/sections.</p> <p>Civil and cyclic crews operating in isolation to manage omicron risk.</p> <p>Fatigue management of resources – roads will be closed rather than operated under traffic management to preserve contractor crews.</p>
Predicted progression	<p>Heavy rain to continue through to late Sunday/early Monday across many regions.</p> <p>High winds from early to late Sunday as ex-cyclone Dovi crosses New Zealand.</p> <p>High storm surge to some coastal areas across Sunday.</p>
Resources in place	NERT & RERT activated and contractor crews in place.
Required resources	Nil

PART 2: DETAILED STATUS AND INTENDED ACTIONS

Land Transport System			
Road		Region/Location	Impact and actions
West Coast			
SH6		Westport to Inangahua (Lower Buller Gorge)	Open – Contractors still working in area.
SH6		Inangahua to O’Sullivans Bridge (Upper Buller Gorge)	Open
SH7		Reefton to Springs Junction (Rahu)	Open – Contractors still working in area.
SH67		Westport to Mohikanui	Open <u>except the final section of SH67 between Mohikinui and Seddonville.</u> Contractors still working in area – aim to open tonight if possible. (Note: Local road - route 67 Mokihinui to Karamea confirmed closed until at least 0900 Monday 14 February by Buller District Council).
Nelson-Tasman			
SH65		Springs Junction to O’Sullivans Bridge (Shanandoah)	Open - single lane sections with traffic control.
Waikato			



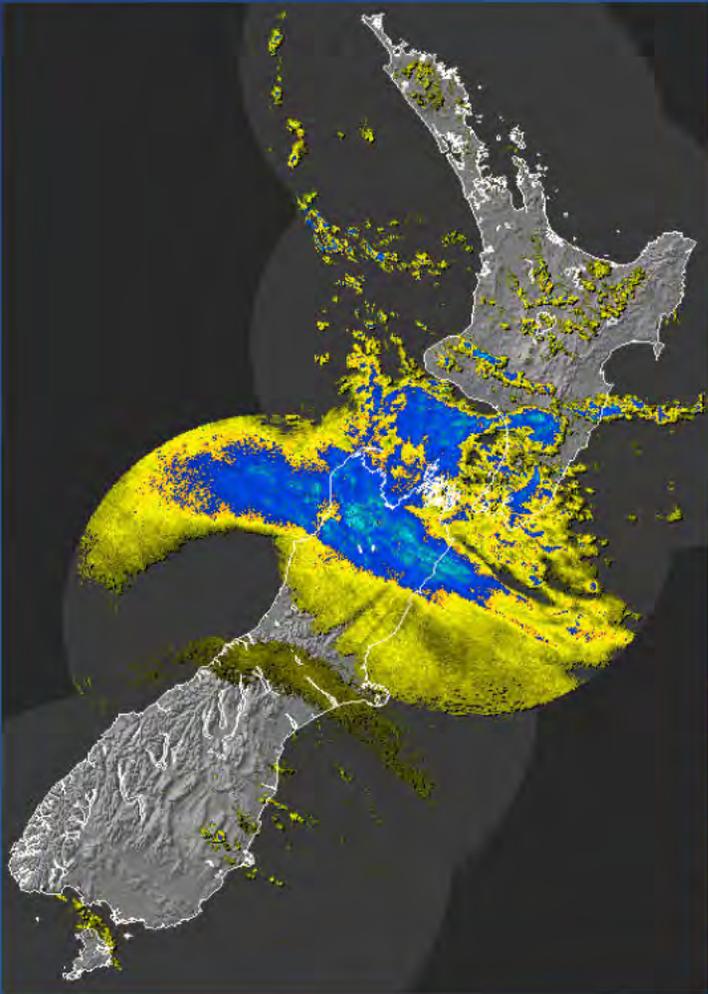
12 Feb, MetService weather briefing

[Redacted]

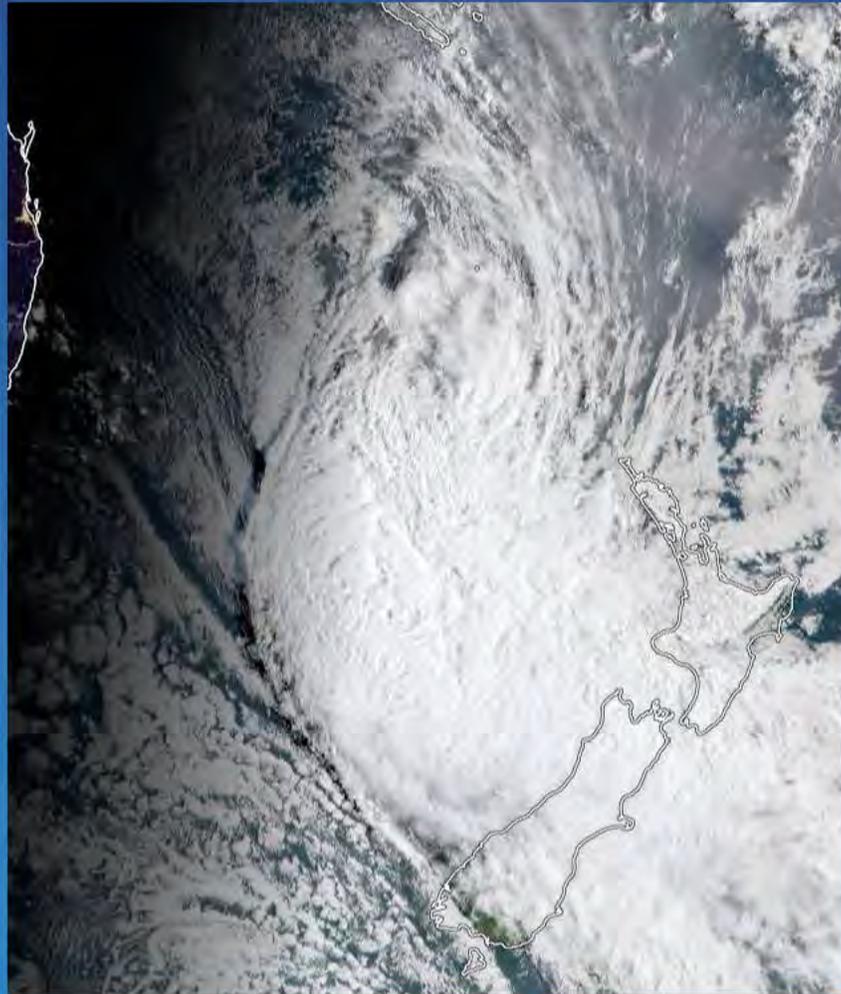
s9(2)(a) [Redacted], Senior Meteorologist

s9(2)(a) [Redacted] Expert Meteorologist

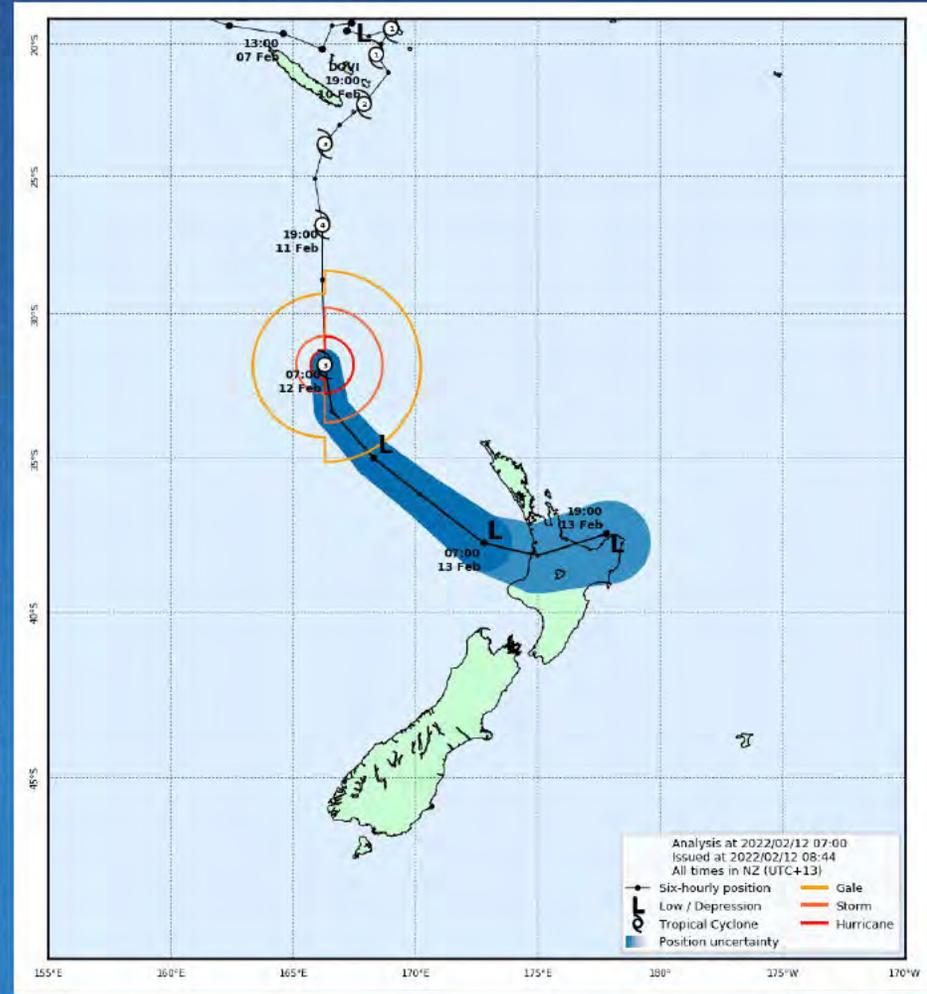
9am radar image



9am satellite image
TC Dovi northwest of NZ



7am cyclone track map from
NZ MetService

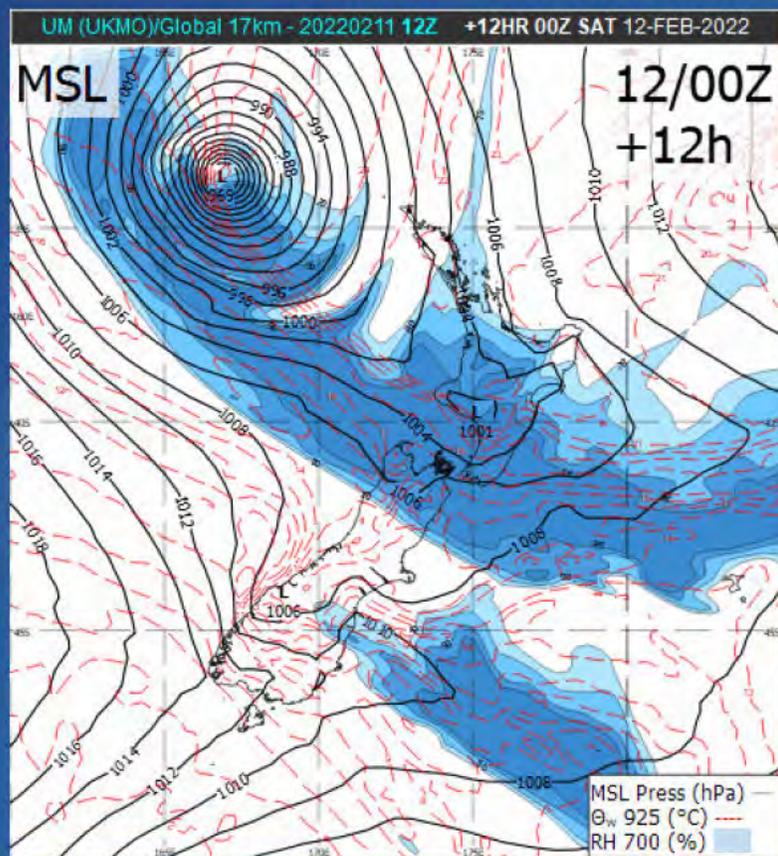


Ex-TC Dovi crosses North Island on SUNDAY (slightly faster than guidance yesterday)

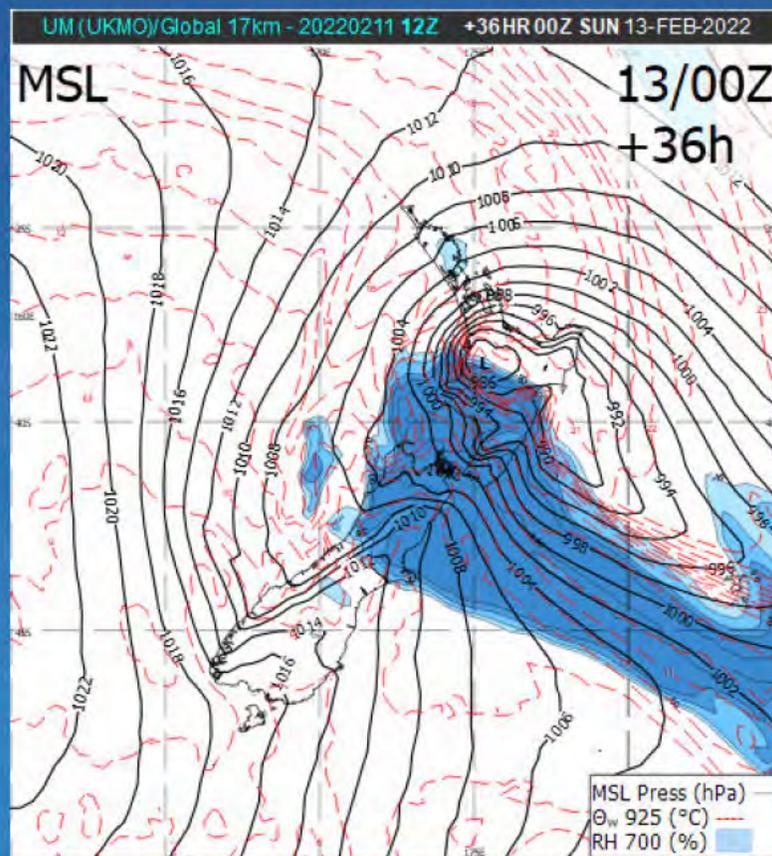
Heavy rain spreading over central NZ today ahead of Dovi, strong wind in north late tonight

Low centre near/on coast midday, heavy rain central NZ, gales north & central NZ (all easing late SUN)

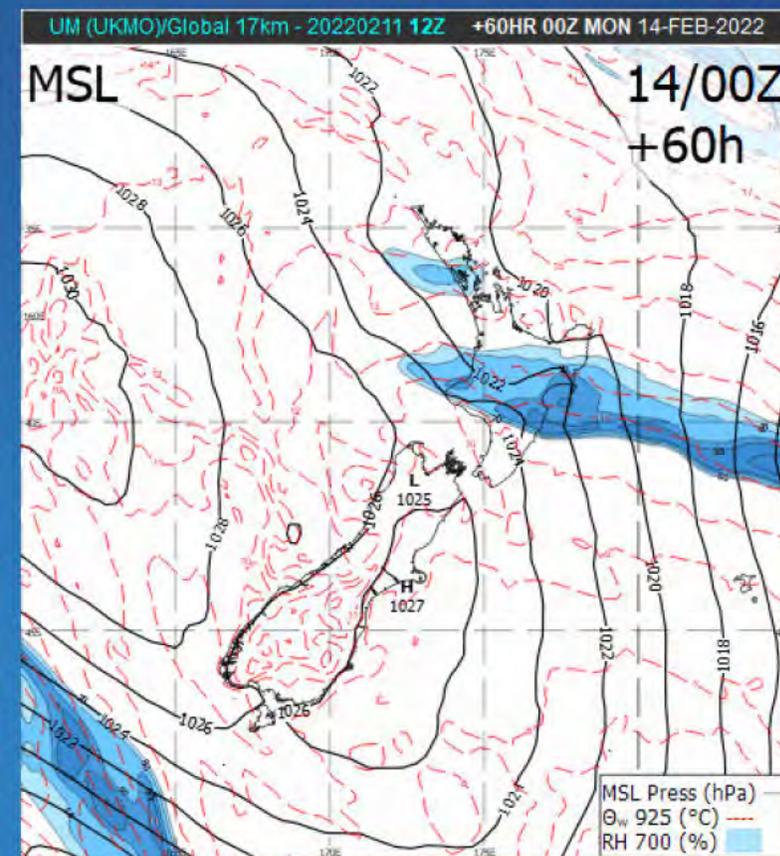
Southerlies behind low and rain/showers eases, settled with ridge over S.I.



1pm Sat



1pm Sun



1pm Mon



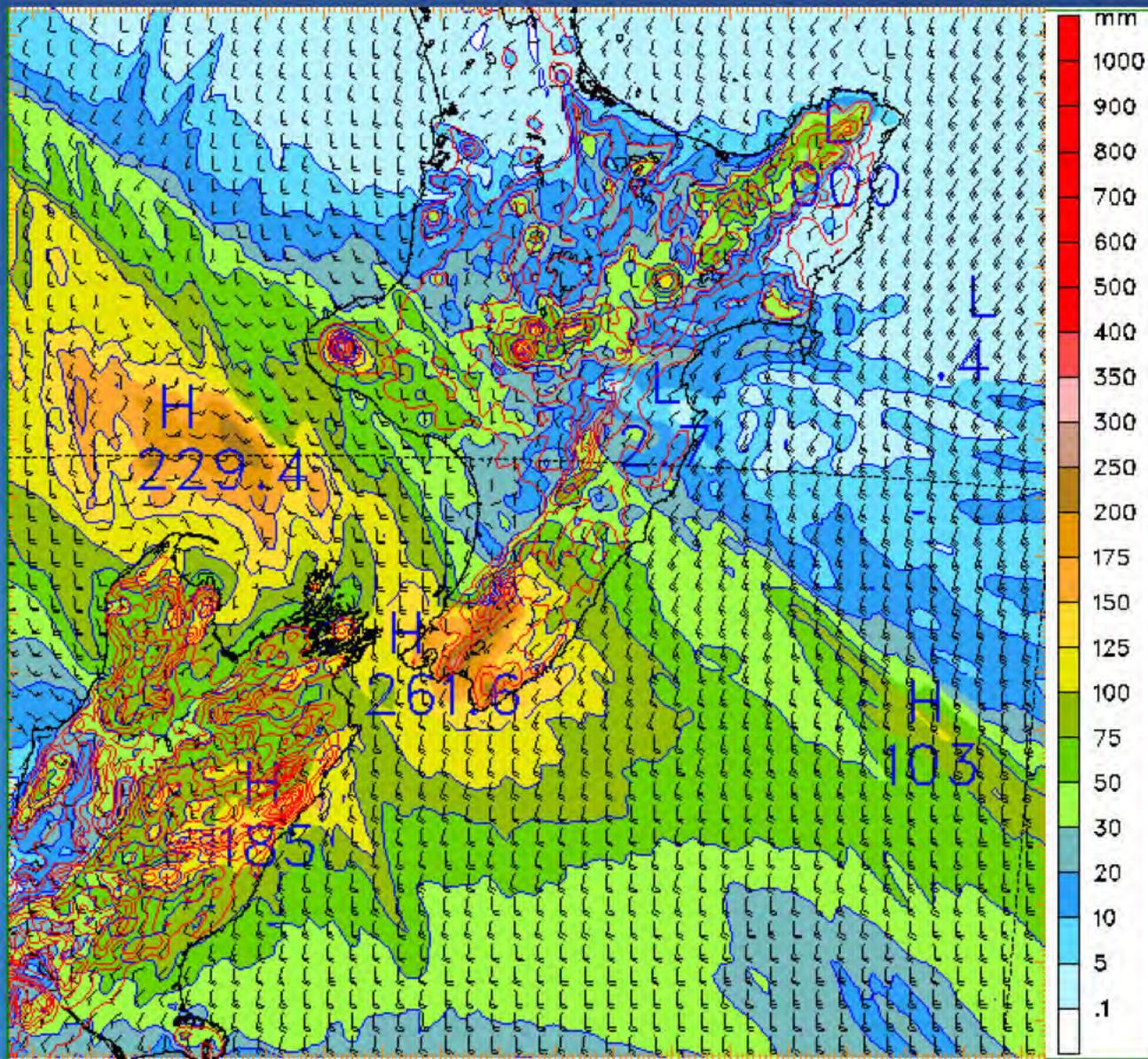
Indicative 48-hour rainfall pattern: SAT + SUN

Note: warning numbers will differ!

Note:

Widespread heavy rain over lower NI
(incl Kapiti/Wellington/Wairarapa)
→ urban/surface flooding expected

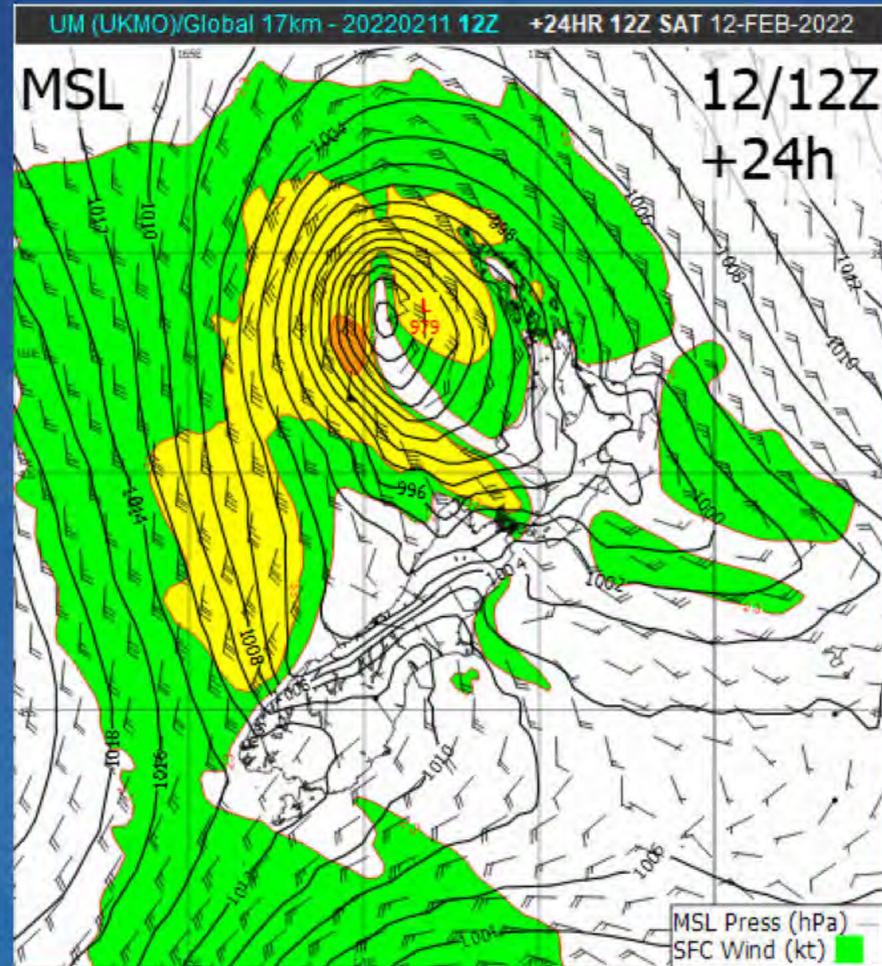
Buller probable range: 40-70mm, but
more in far north (eg Karamea
northwards) – may reach 70-100mm



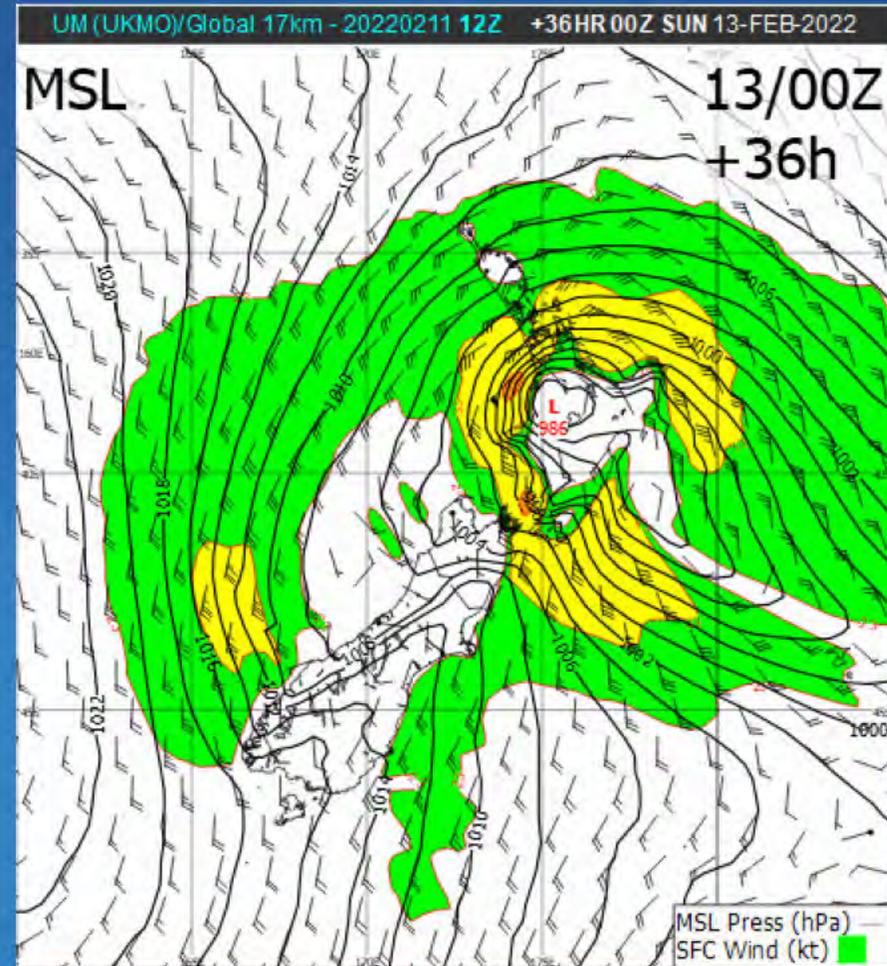
Gales around low – strongest on western side of low centre

N gales in far north from overnight SAT
S/SE gales developing central NZ

Strong S/SW gales behind low from late
SUN morning to afternoon



1am Sun

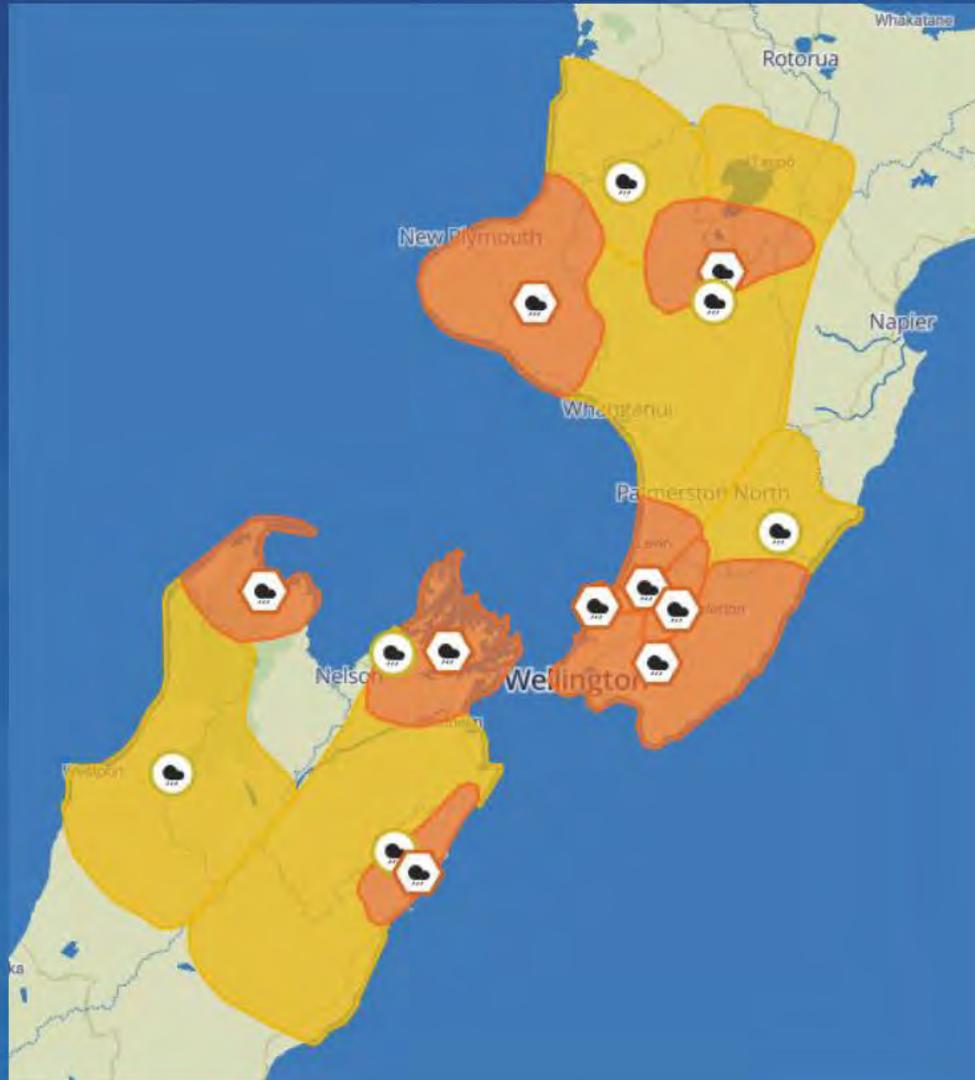


1pm Sun

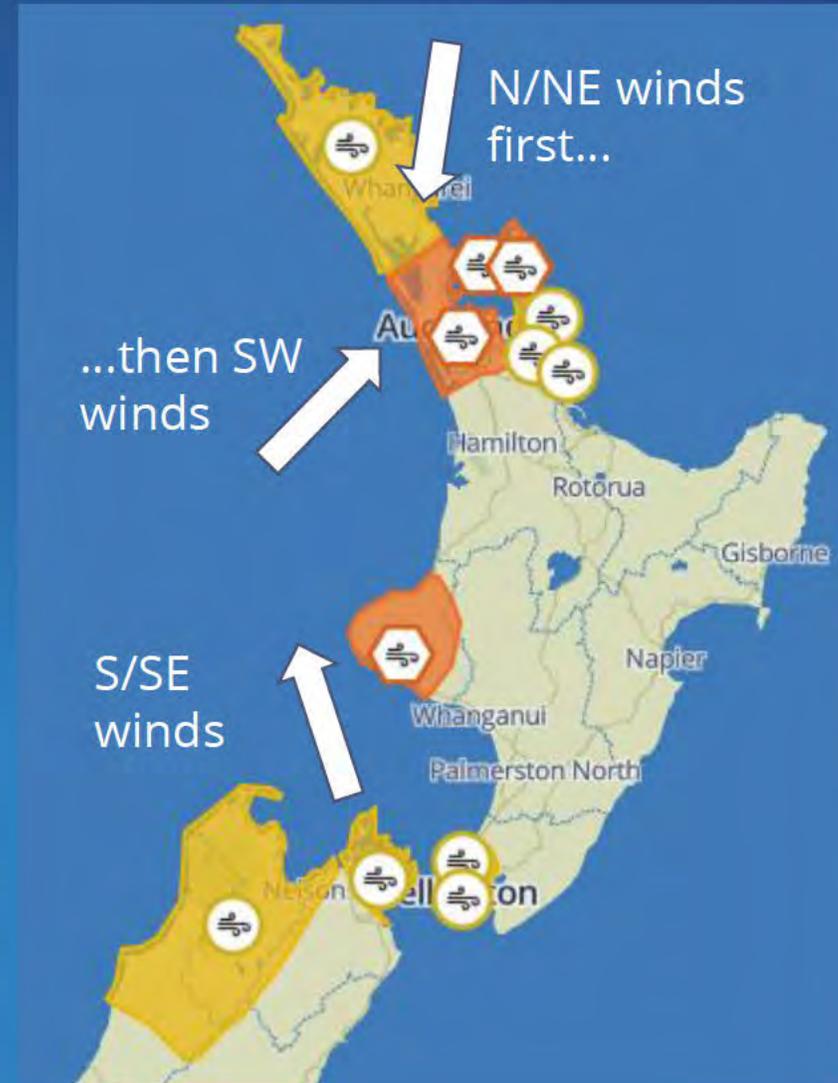


Current Watches and Warnings, 9:27am update

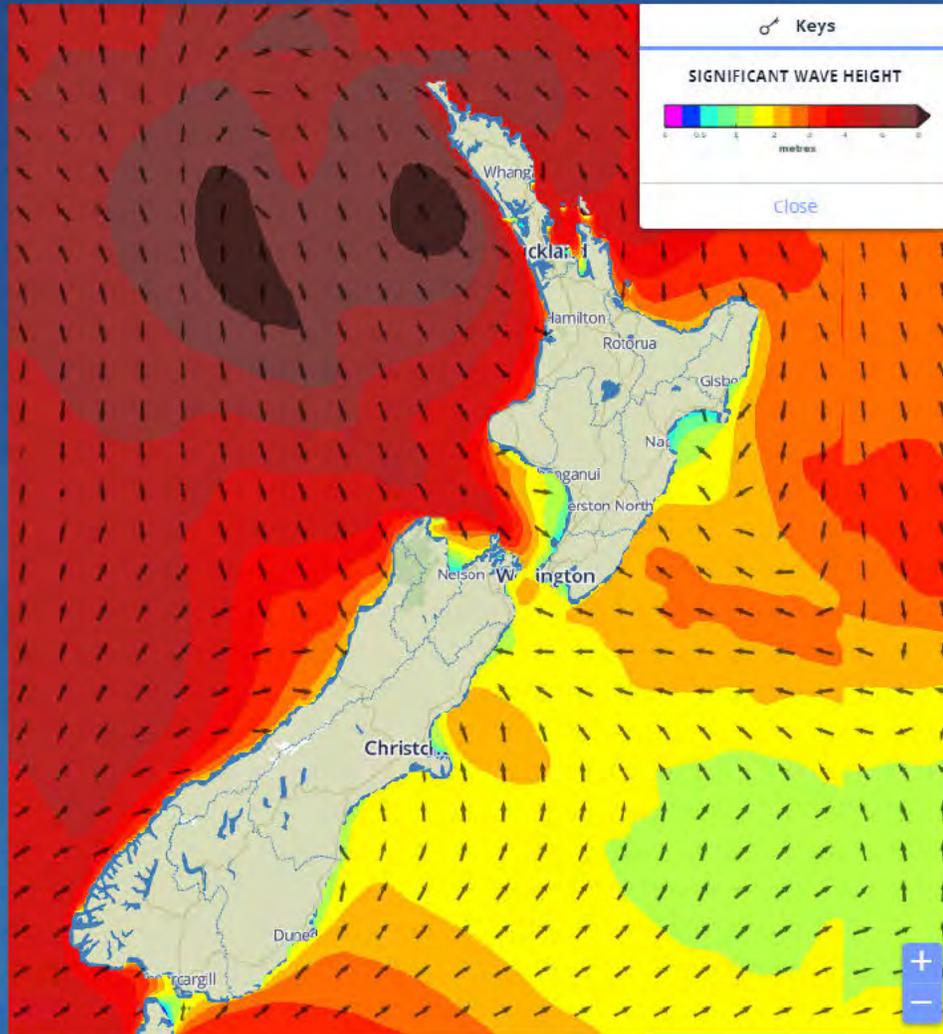
Rain



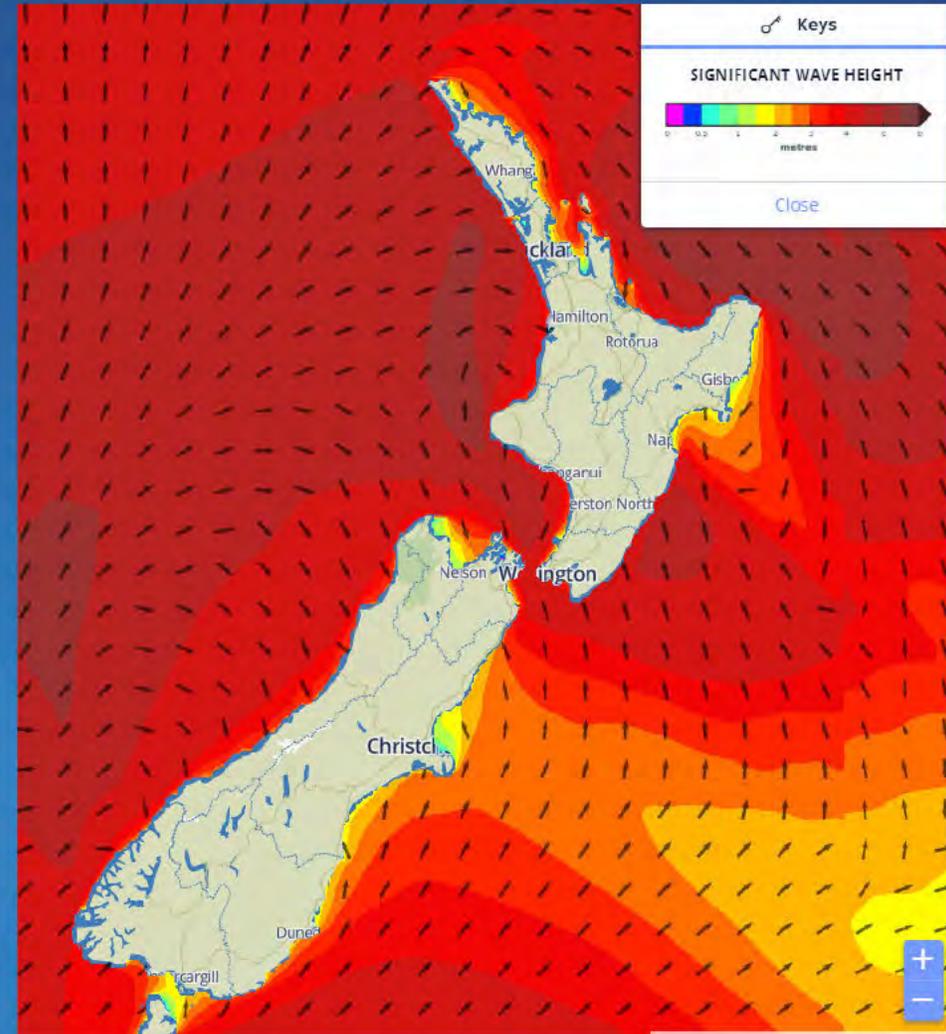
Wind



Large swell/waves on SUNDAY
Large NW waves on west coast of N.I. is an unusual direction



4am Sunday



4pm Sunday



Key messages

- Main period of impacts: late SAT through SUN morning/midday (conditions easing later SUN afternoon/evening)

- Heavy rain developing over central NZ today ahead of Dovi in developing S/SE flow (ALL of Wellington/Kapiti/Wairarapa regions, including Tararua Range)

Burst of heaviest rain overnight tonight → our main concern for urban/surface flooding expected (but missing Buller, where heavier rain will affect northern parts - Karamea northwards)

- Strong N/NE winds northern NZ & strong S/SE winds central NZ overnight SAT to early SUN

Then, VERY strong S winds Taranaki & VERY strong SW winds Auckland (nth Waikato/Coromandel) SUN morning/afternoon

- Large NW swell for western coasts overnight SAT into SUN – this is an unusual direction for large waves (also southerly swell/waves Wellington/Wairarapa SUN, spreading to Hawkes Bay/Gisborne)

Risk of storm surge Waikato-Taranaki coasts on SUN with low pressure (980's hPa) + onshore waves, but lowest pressure not coincident with high tides (and tides not high for time of month)





Thank you 

Ministers Update – Ex Tropical Cyclone (TC) Dovi 13:00 hours 13 February 2022

The next update will be at 17:00 hours 13 February 2022

Speaking Points

1. Many areas of central and northern Aotearoa New Zealand are experiencing heavy rain and severe gales as Ex Tropical Cyclone Dovi crosses the motu.
2. Affected regions are experiencing flooding, strong winds, slips, road closures, fallen trees and other impacts.
3. Rain is expected to ease in most areas this afternoon, but the strongest winds are yet to arrive in some regions.
4. The Auckland Harbour Bridge has been closed due to high winds. There are power outages in Northland and Auckland.
5. This has been a tough time for many communities across Aotearoa and please know that the government is here to support you where we can
6. Stay up to date with the latest weather warnings from MetService and follow any instructions from local civil defence emergency management groups.
7. Stay inside during severe weather. Don't walk around outside. Don't drive unless absolutely necessary. If you do have to travel check the latest traffic information before you go: journeys.nzta.govt.nz
8. Civil defence emergency management (CDEM) groups across the country are working with emergency services and other agencies to respond to impacts in their communities.
9. The National Emergency Management Agency (NEMA) is closely monitoring the situation and is ready to coordinate Government support if it is needed.
10. NEMA has activated its National Coordination Centre and is closely monitoring this weather event. NEMA is working with regional CDEM groups to provide them with any support they need.
11. NEMA hosted a further national teleconference today with CDEM Groups to continue to coordinate preparation for the effects of Tropical Cyclone Dovi. These will continue through the event.

Situation Overview

National

- NEMA has activated the National Coordination Centre (NCC) and is supporting CDEM Groups in relation to impacts from Ex Tropical Cyclone Dovi.
- There are still a number of weather watches and warnings across New Zealand related to Ex Tropical Cyclone Dovi.
- Large amounts of rain have been experienced across New Zealand. Most areas have seen the peak amount of rain and rain will be easing this afternoon (Sunday 13 February).

- Strongest winds are yet to arrive in Taranaki, Auckland, Waikato and Coromandel and will do so this afternoon (Sunday 13 February).
- Ex Tropical Cyclone Dovi will cross the west coast of the North Island today (Sunday 13 February) and will be east of New Zealand by tonight. Winds in all areas easing by early evening.
- Throughout many parts of New Zealand there are road closures due to surface flooding, slips and downed trees.
- There are 26 Spark cell towers with outages mostly in Northland. They have backup generators going to priority sites.
- Generally, impacts are being managed through territorial authority and utility provider's business as usual arrangements. The NCC has not received any requests for assistance to date.

Northland

- Widespread power outages due to trees across power lines. Northpower and Top Energy have been doing assessment and are working on restoration.
- As a result of power outages, some Spark cell towers are on battery backup with generators being deployed.

Auckland

- Auckland Harbour Bridge was closed at 09 30 hours this morning (Sunday 13 February) due to a high wind alert.
- Power outages are being responded to and restored.

Waikato

- Waikato CDEM Group has reported some surface flooding throughout the region from rain last night (Friday 11 February).
- The Marokopa area (Waitomo District) is **still** isolated due to surface flooding and slips. The local response group are looking after isolated people. Roading contractors are working to gain access to the area **but this could take time due to significant infrastructure damage.**

Taranaki

- Coastal surge was a risk this morning however this has now passed.
- Rain has only caused a few issues so far, but the wind is now increasing.
- Starting to see some power outages as the wind increases in the region.

Tairāwhiti

- All families in the isolated area are well and happy and have food for 5 to 6 days.
- Further updates will be provided by the CDEM Group after a meeting on Tuesday 15 February 2022 unless there are significant developments.
- Ex TC Dovi is not causing any concerns.

Manawatu-Whanganui

- Surface flooding has occurred across the region, but no major issues were reported.
- The Manawatu-Whanganui ECC closed at 11:00 hours this morning (Sunday 13 February) and will be in a monitoring mode.

Wellington

- State Highway 2 was closed at Melling due to large slip with house above. Occupants evacuated from home and geotechnical assessment underway
- Major slip in Plimmerton with three houses evacuated and are to be red stickered with water running through the houses and area. Evacuees are being looked after by welfare teams.
- Wellington Electricity is reporting power outages around the city.
- There is a slip in Island Bay which has threatened one house. No evacuation in place at the moment and the slip is being assessed by Council geotechnical engineers.
- State Highway 58 is closed due to a large slip.
- There are a number of closed local roads throughout the Wairarapa.
- Trains, interisland ferries and flights have been disrupted.
- Main concern from all councils was the call centre in Palmerston North overnight. It appears it was overloaded with calls and many could not get through straight away. Councils are following this up today (Sunday 13 February).

Canterbury

- State Highway 1 is closed south of Kaikoura to Amberley due to slips. A detour for light traffic is in place via Route 70 (Inland Road).
- Northern Canterbury are managing impacts through business as usual.

West Coast

- The Buller District Declared a State of Local Emergency at 09:45 hours Thursday 10 February and this remains in effect.
- The Grey ECC and Buller EOC remain activated.
- Thirteen houses are still evacuated in Westport from flooding earlier this week. Rapid building assessments are continuing to occur in Westport and surrounding areas.
- Reports of trees and power lines down in Seddonville.

- The slip at Mokihinui is still active and Northern Buller remains cut off, and two properties (six people) have been evacuated in Karamea. A further two properties are threatened. There are 60 tourists trapped in Karamea and are being well looked after. The road to Karamea is likely to have a controlled opening on Monday (14 February).
- State Highway 67 is closed from Lewis Road to Mokihinui.
- The Buller River is rising but not of concern at the moment (08:30 hours 13 February).

All other regions

- Minimal or nil impacts from Ex Tropical Cyclone Dovi at this time.

Ministers Update – Ex Tropical Cyclone (TC) Dovi 17:00 hours 13 February 2022

The next update will be at 07:00 hours 14 February 2022

Speaking Points

1. Many areas of central and northern Aotearoa New Zealand **have or are** experiencing heavy rain and severe gales as Ex Tropical Cyclone Dovi crosses the motu.
2. Affected regions **have experienced** flooding, strong winds, slips, road closures and fallen trees. Some regions experienced power cuts and disruptions to cellphone service.
3. This has been a tough time for many communities across Aotearoa and please know that the government is here to support you where we can.
4. Stay up to date with the latest weather warnings from MetService and follow any instructions from local civil defence emergency management groups.
5. Stay inside during severe weather. Don't walk around outside. Don't drive unless absolutely necessary. If you do have to travel check the latest traffic information before you go: journeys.nzta.govt.nz
6. Civil defence emergency management (CDEM) groups across the country are working with emergency services and other agencies to respond to impacts in their communities.
7. The National Emergency Management Agency (NEMA) is closely monitoring the situation and is ready to coordinate Government support if it is needed.
8. **NEMA is working with regional CDEM groups and has offered to provide them with any support they need.**

Situation Overview

National

- NEMA has activated the National Coordination Centre (NCC) and is supporting CDEM Groups in relation to impacts from Ex Tropical Cyclone Dovi. It is expected that the NCC will conclude operations tomorrow unless the situation deteriorates further.
- **The majority of weather watches and warnings have been cancelled, including all rain warnings. Wind warnings remain for Wellington and Marlborough Sounds, Wairarapa, and Coastal Hawke's Bay including the Mahia Peninsula. These are expected to expire between 18:00-19:00 hours tonight (Sunday 13 February).**
- Ex Tropical Cyclone Dovi **crossed** the west coast of the North Island today (Sunday 13 February) and will be east of New Zealand by tonight. Winds in all areas easing by early evening.
- Throughout many parts of New Zealand there are road closures due to surface flooding, slips and downed trees.
- **Spark, Vodafone and 2degrees have a number of cell towers with outages mostly in the Northland but also in parts of the Waikato, Taranaki, Bay of Plenty. They are deploying backup generators to priority sites.**
- **Electricity networks from Northland to around Taupō and Rotorua have more damage than other areas. It appears that damage is affecting about 10-15% of customers. It is**

expected that major customers and urban areas will likely be restored tonight and remote areas might be without power for another 24 hours.

- Generally, impacts are being managed through territorial authority and utility provider's business as usual arrangements. The NCC has not received any requests for assistance to date.

Northland

- Widespread power outages due to trees across power lines. Northpower and Top Energy have been doing assessment and are working on restoration.
- As a result of power outages, some Spark cell towers are on battery backup with generators being deployed.

Auckland

- The Auckland Harbour Bridge is now open after it was closed this morning (Sunday 13 February) due to a high wind alert.
- Power outages are being responded to and restored.

Waikato

- Waikato CDEM Group has reported some surface flooding throughout the region from rain last night (Friday 11 February).
- The Marokopa area (Waitomo District) is still isolated due to surface flooding and slips. The local response group are looking after isolated people. Roving contractors are working to gain access to the area but this could take time due to significant infrastructure damage.

Taranaki

- The passing of Ex Tropical Cyclone Dovi caused damage to electricity infrastructure, roading and roofing.
- Taranaki Emergency Coordination Centre (ECC) deactivated at 17:00 hours today (Sunday 13 February) and will monitor via duty arrangements overnight.

Tairāwhiti

- All families in the isolated area are well and happy and have food for 5 to 6 days.
- Further updates will be provided by the CDEM Group after a meeting on Tuesday 15 February 2022 unless there are significant developments.
- Ex TC Dovi is not causing any concerns.

Manawatu-Whanganui

- Surface flooding has occurred across the region, but no major issues were reported.
- The Manawatu-Whanganui ECC closed at 11:00 hours this morning (Sunday 13 February) and will be in a monitoring mode.

Wellington

- State Highway 2 was closed at Melling due to large slip with house above. Occupants evacuated from home and geotechnical assessment underway.
- Major slip in Plimmerton with three houses evacuated and are to be red stickered with water running through the houses and area. Evacuees are being looked after by welfare teams.
- Wellington Electricity is reporting power outages around the city.
- There is a slip in Island Bay which has threatened one house. No evacuation in place at the moment and the slip is being assessed by Council geotechnical engineers.
- State Highway 58 is closed due to a large slip.
- There are a number of closed local roads throughout the Wairarapa.
- Trains, interisland ferries and flights have been disrupted.
- Main concern from all councils was the call centre in Palmerston North overnight. It appears it was overloaded with calls and many could not get through straight away. Councils are following this up today (Sunday 13 February).

Canterbury

- State Highway 1 is closed south of Kaikoura to Amberley due to slips. A detour for light traffic is in place via Route 70 (Inland Road).
- Northern Canterbury are managing impacts through business as usual.

West Coast

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- The Grey ECC and Buller EOC remain activated.
- Thirteen houses are still evacuated in Westport from flooding earlier this week. Rapid building assessments are continuing to occur in Westport and surrounding areas.
- Reports of trees and power lines down in Seddonville.
- The slip at Mokihinui is still active and Northern Buller remains cut off, and two properties (six people) have been evacuated in Karamea. A further two properties are threatened. There are 60 tourists trapped in Karamea and are being well looked after. The road to Karamea is likely to have a controlled opening on Monday (14 February).
- State Highway 67 is closed from Lewis Road to Mokihinui.
- The Buller River is rising but not of concern at the moment (08:30 hours 13 February).

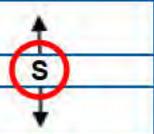
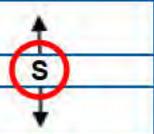
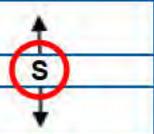
- Another front should move up the West Coast on Friday (18 February) and Saturday (19 February). Rain will likely not start in Buller until late on Friday or early Saturday. This far out it is difficult to say with certainty, but this may have 30 to 70mm of rain, mainly falling on Saturday.

All other regions

- Minimal or nil impacts from Ex Tropical Cyclone Dovi at this time.

NATIONAL EMERGENCY MANAGEMENT AGENCY (NEMA) SITUATION REPORT: 004

ISSUED AT 17:00 hours ON 13/02/2022

Event name:	Activation status:		
Ex Tropical Cyclone (TC) Dovi	NCC Activated – Mode 2 (Assist)		
Contact:	Incident Classification:		
Email: ncc.operations@nema.govt.nz	<table border="1"> <tr> <td>N 2</td> <td>  </td> </tr> </table> <p>N1 = A minor national level response N2 = A moderate national level response N3 = A major national level response N4 = A severe national level response</p>	N 2	
N 2			
Report authorised by: NCC Controller	Report prepared by: NCC Intelligence		
Date/time of approval: 16:45 hours on 13 February 2022	Next Situation Report will be issued at: This is the final situation report for this event unless the situation escalates.		

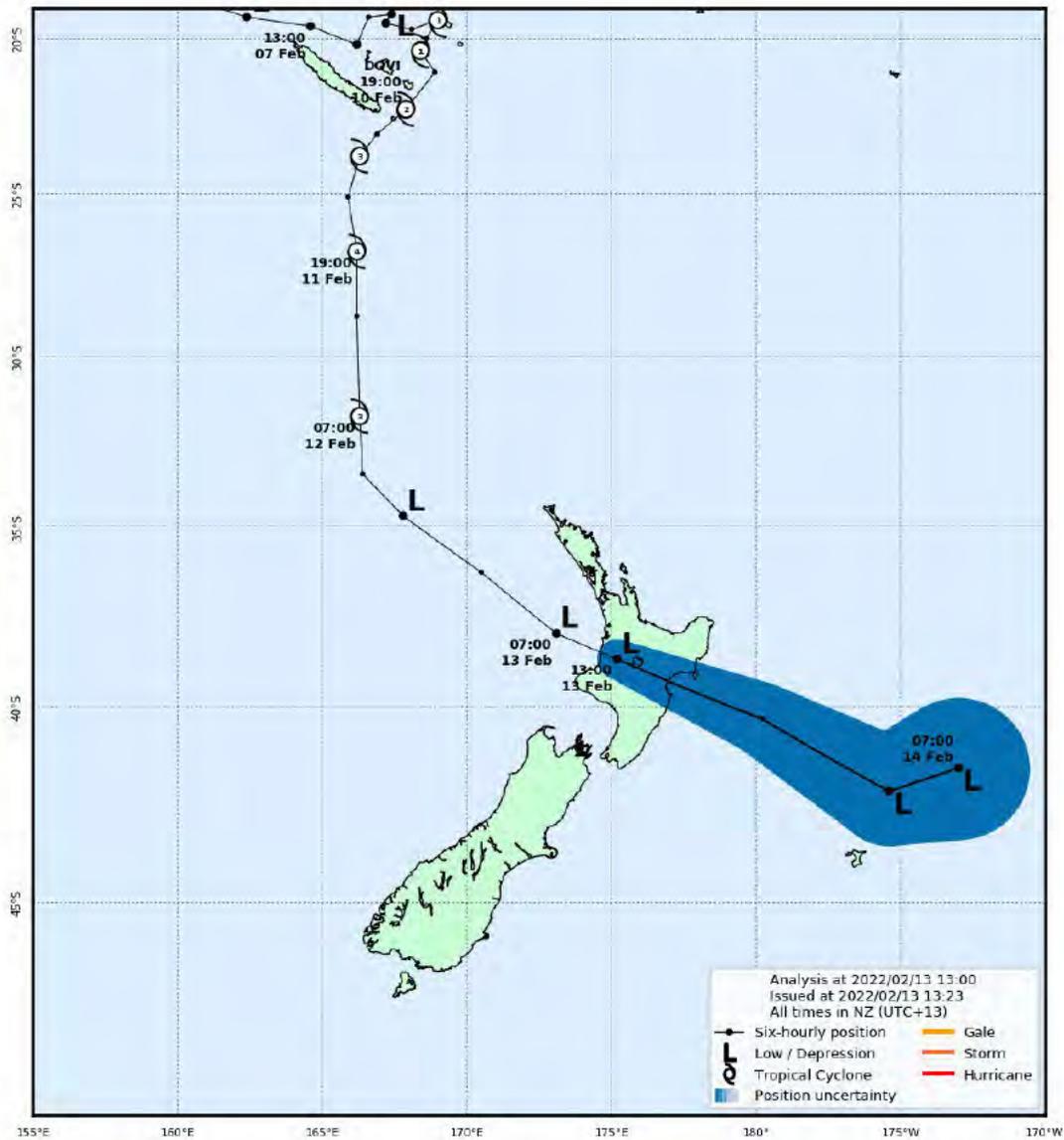
Updated information is in *red text*.

NATIONAL SITUATION AND WEATHER

- NEMA has activated the National Coordination Centre (NCC) and is supporting CDEM Groups in relation to impacts from Ex Tropical Cyclone Dovi.
- The majority of weather watches and warnings have been cancelled, including all rain warnings. Wind warnings remain for Wellington and Marlborough Sounds, Wairarapa, and Coastal Hawke's Bay including the Mahia Peninsula. These are expected to expire between 18:00-19:00 hours tonight (Sunday 13 February).
- Ex Tropical Cyclone Dovi crossed the west coast of the North Island today (Sunday 13 February) and will be east of New Zealand by tonight.
- Throughout many parts of New Zealand there are road closures due to surface flooding, slips and downed trees.
- Spark, Vodafone and 2degrees have a number of cell towers with outages mostly in the Northland but also in parts of the Waikato, Taranaki, Bay of Plenty. They are deploying backup generators to priority sites.
- Electricity networks from Northland to around Taupō and Rotorua have more damage than other areas. It appears that damage is affecting about 10-15% of customers. It is expected that major customers and urban areas will likely be restored tonight and remote areas might be without power for another 24 hours.

- Generally, impacts are being managed through territorial authority and utility provider’s business as usual arrangements. The NCC has not received any requests for assistance to date.
- It is expected that the NCC will conclude operations tomorrow (Monday 14 February) unless the situation deteriorates further.

This is the forecast track map for Ex Tropical Cyclone Dovi issued by Tropical Cyclone Warning Centre Wellington (TCWC Wellington) at 13:23 hours 13 February 2022.



CDEM GROUPS

Declaration status:	Time declared:
State of Local Emergency in Buller District	10 February 2022 09:45hrs

Northland

- There are widespread power outages due to trees across power lines. Northpower and Top Energy have been doing assessment and are working on restoration.

Auckland

- The Auckland Harbour Bridge is now open after it was closed this morning (Sunday 13 February) due to a high wind alert.
- Power outages are being responded to and restored.

Waikato

- Waikato CDEM Group has reported some surface flooding throughout the region from rain last night (Friday 11 February).
- The Marokopa area (Waitomo District) is **still** isolated due to surface flooding and slips. The local response group are looking after isolated people. Roading contractors are working to gain access to the area **but this could take time due to significant infrastructure damage.**

Taranaki

- Coastal surge was a risk this morning (Sunday 13 February) however this has now passed.
- The passing of Ex Tropical Cyclone Dovi caused damage to electricity infrastructure, roading and roofing.
- Taranaki Emergency Coordination Centre (ECC) deactivated at 17:00 hours today (Sunday 13 February) and will monitor via duty arrangements overnight.

Tairāwhiti

- All families in the isolated area are well and happy and have food for 5 to 6 days.
- Further updates will be provided by the CDEM Group after a meeting on Tuesday 15 February 2022 unless there are significant developments.

Manawatu-Whanganui

- Surface flooding has occurred across the region, but no major issues were reported.
- The Manawatu-Whanganui ECC closed at 11:00 hours this morning (Sunday 13 February) and will be in a monitoring mode.

Wellington

- State Highway 2 was closed at Melling due to large slip with house above. Occupants evacuated from home and geotechnical assessment underway.
- Major slip in Plimmerton with three houses evacuated and are to be red stickered with water running through the houses and area. Evacuees are being looked after by welfare teams.
- Wellington Electricity is reporting power outages around the city.
- There is a slip in Island Bay which has threatened one house. No evacuation in place at the moment and the slip is being assessed by Council geotechnical engineers.
- State Highway 58 is closed due to a large slip.
- There are a number of closed local roads throughout the Wairarapa.
- Trains, interisland ferries and flights have been disrupted.
- Main concern from all councils was the call centre in Palmerston North overnight. It appears it was overloaded with calls and many could not get through straight away. Councils are following this up today (Sunday 13 February).

Canterbury

- State Highway 1 was closed south of Kaikoura to Amberley due to slips. This road is now.

West Coast

- The Buller District Declared a State of Local Emergency at 09:45 hours Thursday 10 February and this remains in effect.
- The Grey ECC and Buller EOC remain activated.
- Thirteen houses are still evacuated in Westport from flooding earlier this week. Rapid building assessments are continuing to occur in Westport and surrounding areas.
- Reports of trees and power lines down in Seddonville.
- The slip at Mokihinui is still active and Northern Buller remains cut off, and two properties (six people) have been evacuated in Karamea. A further two properties are threatened. There are 60 tourists trapped in Karamea and are being well looked after. The road to Karamea is likely to have a controlled opening on Monday (14 February).
- State Highway 67 is closed from Lewis Road to Mokihinui.
- The Buller River is rising but not of concern at the moment (08:30 hours 13 February).

All other regions

- Minimal or nil impacts from Ex Tropical Cyclone Dovi at this time.

RISKS AND ISSUES

1. The outage of cell towers predominately in Northland and Auckland will impact people receiving emergency mobile alerts (EMA).
2. Isolation of the Karamea community due to the closure of State Highway 67.
3. The difficulty in following public health protocols regarding COVID-19 during this event will introduce risks for the public and responders.
4. The availability of surge personnel to deploy into regions potentially impacted by Ex Tropical Cyclone Dovi.
5. There could be risks to already impacted infrastructure from previous weather and potential for further slips in saturated ground.

PRIORITIES FOR THE NEXT PERIOD

- Sustaining NCC operations and deployed NEMA staff with the look to reducing staffing levels.
- NEMA and other central government agencies will continue to closely track the weather event and possible impacts across New Zealand.

Waka Kotahi National Emergency Response Situation Report

Incident:	Severe Weather Event and Ex-cyclone Dovi	Sit rep #	3
Date:	Sunday 13 February 2022	Time:	1200hrs
Period covering:	1900hrs Saturday 12 February – 1200 hours Sunday 13 February 2022		
Prepared by:	s9(2)(a)		
Approved by:	s9(2)(a), Lead Controller		
Next Sit Rep:	1900hrs Sunday 13 February 2022		

PART 1: SUMMARY

Summary of incident	<p>Waka Kotahi has activated its National Emergency Response Team (NERT) to coordinate planning and impacts from this weather event: The following roads are closed:</p> <ul style="list-style-type: none"> SH1 – Auckland Harbour Bridge – due to high winds. SH1 – at Marton due to flooding – a detour is available. SH53 - at Waihenga bridge due to rising river levels SH58 – due to slips SH2 – northbound at Melling due to slip – <i>one lane just opened</i> SH1 – between Kaikoura due Waipara due to rockfall Local road - route 67 to Karamea is closed from Mokihinui <p>Many small incidents across the country keeping contractor crews busy. Crews are being stood down and replaced to ensure fatigue is managed. MetService forecast indicates rain and wind will start to ease from this afternoon, although there are still a number of issues that are still of ongoing concern and are being actively monitored.</p>
Critical Information	<p>West Coast SH67 between Mokihinui and Seddonville is now open. The local road - Route 67 (Mokihinui to Karamea) will remain closed until at least 0900 Monday 14 February. Buller District Council continue to inspect and address slips on this road.</p> <p>Nelson-Tasman/Marlborough All State Highways are open. SH63 (alternate route to SH1) has a lot of surface flooding with more rain forecast and is at risk of closure and being actively monitored.</p> <p>North Canterbury SH1 is CLOSED between Kaikoura and Waipara due to rock fall. Crews are working to have one lane opened ASAP with aim for 1400 hours.</p> <p>Wellington Surface flooding reported to roads in Wairarapa with rain still falling and winds increasing. SH53 (Wairarapa) CLOSED at Waihenga Bridge due to rising river levels. SH58 is CLOSED due to large slip, contractor working to reopen to single lane. SH2 northbound impacts at Melling due to slip. Contractor just opened one lane. Wellington Regional Transport Response Team (RTRT) on standby. Cook Strait ferries currently cancelled.</p> <p>Manawatu SH1 CLOSED at Marton (Calico Line) due to flooding with a detour available. Pahiatua Track restricted to one lane due to fallen tree.</p> <p>Taranaki SH3 between Whanganui and Hawera being monitored as being impacted by rain and high winds.</p> <p>Hawkes Bay No issues currently reported, active monitoring underway.</p> <p>Gisborne No issues currently reported, active monitoring underway.</p> <p>Waikato Reports of minor issues around the network.</p> <p>Bay of Plenty No issues currently reported, active monitoring underway.</p> <p>Auckland Auckland Harbour Bridge closed due to high winds. MetService forecast has wind dropping from alert levels sooner than expected and detailed planning is underway to open the bridge as soon wind has dropped to safe levels.</p>
Actions carried out since last Sit Rep	<p>All contractors have been requested to look after and manage their workforce and prevent fatigue. If necessary, roads will be closed and key routes prioritised in order to allow effective management of people on the ground. Relationships established with all active CDEM Groups. NERT meetings at 0800 and 1100 hours. Next one planned for 1600 today. MetService briefing at 1030 hours today.</p>

	<p>Response Plan developed and being implemented. Staff being rotated to look after wellness. Media releases put out. Ongoing communication with the freight industry.</p>
Risks - to SH network only	<p>Road closures. Damage to SH infrastructure. Surface flooding, slips, washouts, debris in rivers causing damage to structures, bridge approach washouts, bridges overtopping due to river flows. Fallen trees. High winds needing roads to be closed. Fatigue and safety of crews.</p>
Risk Management	<p>Precondition messaging via TREIS, social media, VMS signs, media releases. Cyclic crews patrolling network, focusing on at-risk locations/sections. Civil and cyclic crews operating in isolation to manage omicron risk. Fatigue management of resources – roads will be closed rather than operated under traffic management to preserve contractor crews.</p>
Predicted progression	<p>Heavy rain to start to ease from 1500 hours. High winds to ease from 1300 hours in Auckland – plan to reopen the bridge as soon after as possible. Rain continuing to fall to already saturated areas causing new issues especially on SH63 and in the Wairarapa..</p>
Resources in place	NERT & RERT activated and contractor crews in place.
Required resources	Nil

PART 2: DETAILED STATUS AND INTENDED ACTIONS

Land Transport System			
Road		Region/Location	Impact and actions
West Coast			
SH67		Seddonville to Mohikanui	OPEN (Note: Local road - route 67 Mokihinui to Karamea confirmed closed until at least 0900 Monday 14 February by Buller District Council).
Canterbury			
SH1		Kaikoura to Waipara	CLOSED – due to rock fall Contractor aiming to have one lane open around 1400 hours.
Wellington			
SH2		Northbound at Melling	OPEN to one lane due to slip (was fully closed)
SH58			CLOSED due to a slip. Contractor working to open to one lane.
SH53		Waihenga Bridge (Wairarapa)	CLOSED due to rising river levels. Will be open once levels start to recede.
Manawatu-Whanganui			
SH1		Calico Line (Marton)	CLOSED due to flooding Detour available, waiting for flood waters to recede.
SH56		Opiki	CLOSED due to flooding. Will be opened as soon as water levels drop.
Auckland			
SH1		Auckland Harbour Bridge	CLOSED due to high winds. Planning to reopen as soon as wind warnings drop. Working with MetService for timing this afternoon.

PART 3: DETAILED DISTRIBUTION LIST

Name	Details
s9(2)(a)	

s9(2)(a)

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Waka Kotahi National Emergency Response Situation Report

Incident:	Severe Weather Event and Ex-cyclone Dovi	Sit rep #	4
Date:	Sunday 13 February 2022	Time:	1900hrs
Period covering:	1200hrs – 1900 hours Sunday 13 February 2022		
Prepared by:	s9(2)(a)		
Approved by:	s9(2)(a), Lead Controller		
Next Sit Rep:	1200hrs Monday 14 February 2022		

PART 1: SUMMARY

Summary of incident	<p>Waka Kotahi has activated its National Emergency Response Team (NERT) to coordinate planning and impacts from this weather event: The following roads are closed:</p> <p>North Island:</p> <ul style="list-style-type: none"> • SH1 – at Marton due to flooding – a detour is available. • SH56 – at Opiki due to flooding – a detour is available. • Pahiatua track is closed due to slips/fallen trees. • SH2 – at Masterton due to flooding – a detour is available. • SH53 - at Waihenga bridge due to rising river levels – a detour is available. <p>South Island</p> <ul style="list-style-type: none"> • Local road - route 67 to Karamea is closed from Mokihinui <p>Many small incidents across the country keeping contractor crews busy. Crews are being stood down and replaced to ensure fatigue is managed.</p> <p>Due to severity of this event, there will be a high number of safety defects across the state highway network (such as potholes). Contractors will be planning to repair these - once water has fully receded and individuals have had time to rest.</p> <p>All contractors will be reminded to take note of the increased cases of COVID and to continue to operate with appropriate processes.</p> <p>Electricity outages may cause issues at Johnstone Hill tunnel on SH1 in Auckland and with street lighting across the State Highway network.</p>
Critical Information	<p>West Coast SH67 between Mokihinui and Seddonville is now open. The local road - Route 67 (Mokihinui to Karamea) will remain closed until at least 0900 Monday 14 February. Buller District Council continue to inspect and address slips on this road.</p> <p>Nelson-Tasman/Marlborough All State Highways are open. SH63 (alternate route to SH1) is being actively monitored.</p> <p>North Canterbury SH1 is OPEN between Kaikoura and Waipara and under traffic management around area where rick fall occurred.</p> <p>Wellington SH53 (Wairarapa) CLOSED at Waihenga Bridge due to rising river levels. SH58 is OPEN after slip cleared. SH2 northbound impacts at Melling with one lane open. Working to open second lane in the morning.</p> <p>Manawatu SH1 CLOSED at Marton (Calico Line) due to flooding with a detour available. Pahiatua Track CLOSED due to slips/fallen trees. SH54 was closed between Cheltenham and Vinegar Hill due to slips and flooding. SH56 CLOSED at Opiki due to flooding.</p> <p>Taranaki Lots of small issues being cleared.</p> <p>Hawkes Bay No issues currently reported, active monitoring underway.</p> <p>Gisborne No issues currently reported, active monitoring underway.</p> <p>Waikato Reports of minor issues around the network.</p> <p>Bay of Plenty Lots of small issues being cleared.</p> <p>Auckland Auckland Harbour Bridge is open with a temporary speed limit of 70km/h in place. SH1 at Johnstones Hill tunnel – services are on back-up power due to outage, Vector working to rectify the outage. Road is currently open.</p>

Actions carried out since last Sit Rep	<p>Auckland Harbour Bridge reopened. State Highways reopened:</p> <ul style="list-style-type: none"> • SH45 Manaia to Tokaora • SH45 Rahotu to Oaonui • SH54 Cheltenham to Vinegar Hill • SH58 Postgate to Paremata • SH1 Kaikoura to Waipara • SH67 Westport to Mokihinui <p>All contractors have been requested to look after and manage their workforce and prevent fatigue. If necessary, roads will be closed and key routes prioritised in order to allow effective management of people on the ground. NERT meeting at 1600 hours. Next meeting at 0800 tomorrow (Monday 14 February) Response Plan implemented. Transition to Recovery Planning underway. Staff being rotated to look after wellness. Media releases put out. Ongoing communication with the freight industry.</p>
Risks - to SH network only	Road closures. Damage to SH infrastructure. Surface flooding, slips, washouts, debris in rivers causing damage to structures, bridge approach washouts, bridges overtopping due to river flows. Fallen trees. High winds needing roads to be closed. Fatigue and safety of crews.
Risk Management	Precondition messaging via TREIS, social media, VMS signs, media releases. Cyclic crews patrolling network, focusing on at-risk locations/sections. Civil and cyclic crews operating in isolation to manage omicron risk. Fatigue management of resources – roads will be closed rather than operated under traffic management to preserve contractor crews.
Predicted progression	As weather system moves away from New Zealand assessment of damage to pavement (road surface) across the State Highway system with expectation of damage and safety defects to be found.
Resources in place	NERT & RERT activated and contractor crews in place.
Required resources	Nil

PART 2: DETAILED STATUS AND INTENDED ACTIONS

Land Transport System		
Road	Region/Location	Impact and actions
West Coast		
SH67	Seddonville to Mohikanui	OPEN (Note: Local road - route 67 Mokihinui to Karamea confirmed closed until at least 0900 Monday 14 February by Buller District Council).
Canterbury		
SH1	Kaikoura to Waipara	OPEN – with traffic management in place for single lane
Wellington		
SH2	Northbound at Melling	OPEN to one lane due to slip Aim to have fully opened in the morning.
SH58	Postgate to Paremata	OPEN
SH53	Waihenga Bridge (Wairarapa)	CLOSED due to rising river levels. Will be open once levels start to recede.
Manawatu-Whanganui		
SH1	Calico Line (Marton)	CLOSED due to flooding Detour available, waiting for flood waters to recede.
SH56	Opiki	CLOSED due to flooding. Will be opened as soon as water levels drop.
Pahiatua Track		CLOSED due to slips/fallen trees
Auckland		
SH1	Auckland Harbour Bridge	OPEN with temporary speed limit in place.

PART 3: DETAILED DISTRIBUTION LIST

s9(2)(a)

Name

Details

Name	Details
[Redacted content]	



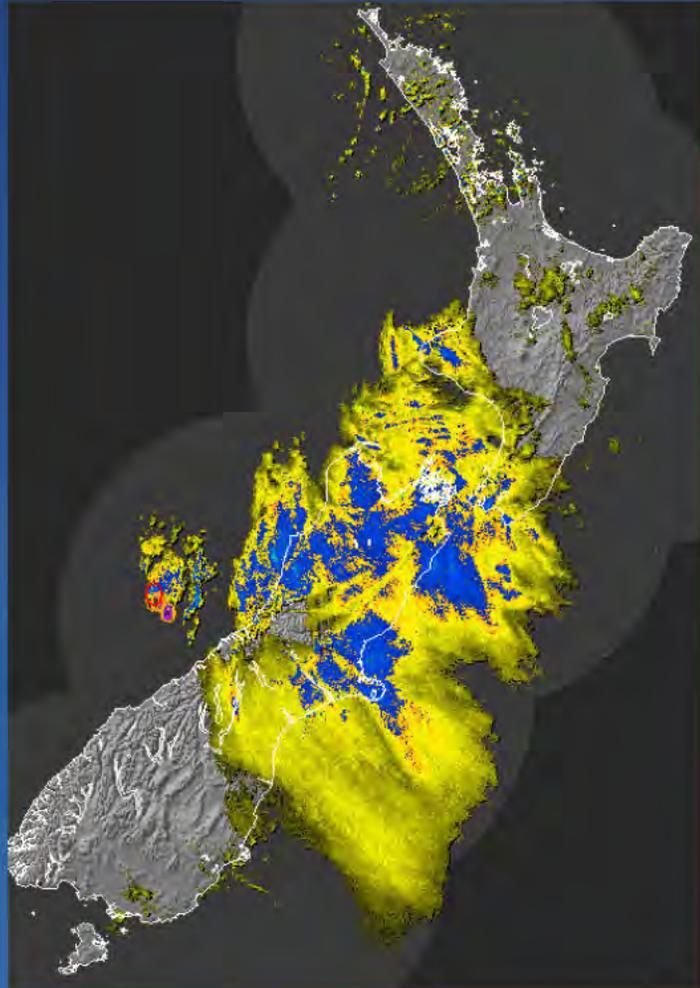
13 Feb, MetService weather briefing

[Redacted]

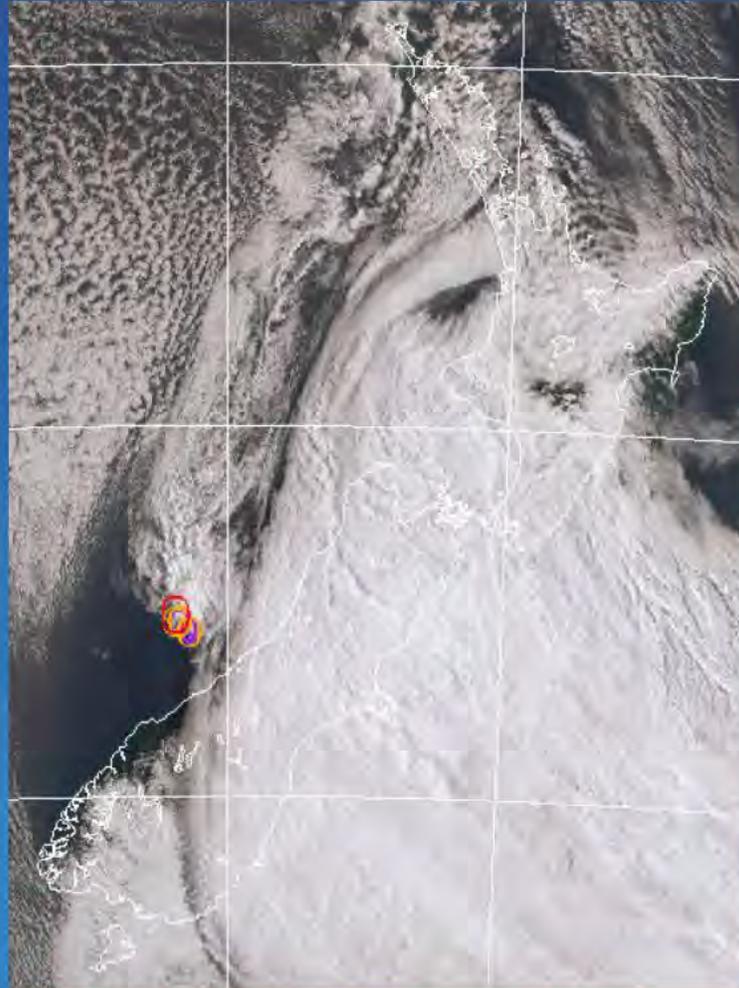
s9(2)(a) [Redacted], Senior Meteorologist

s9(2)(a) [Redacted], Expert Meteorologist

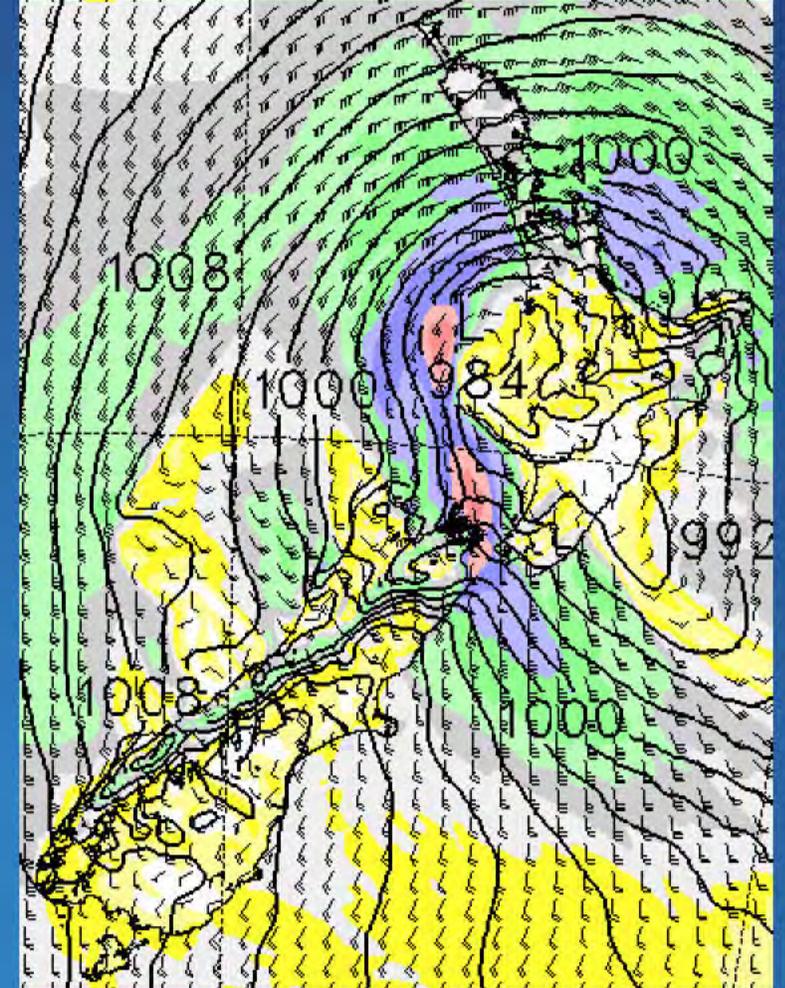
9:30am radar image



9:30am satellite image
low centre west of N.I.



10am MODEL pressure and
surface wind



Rain

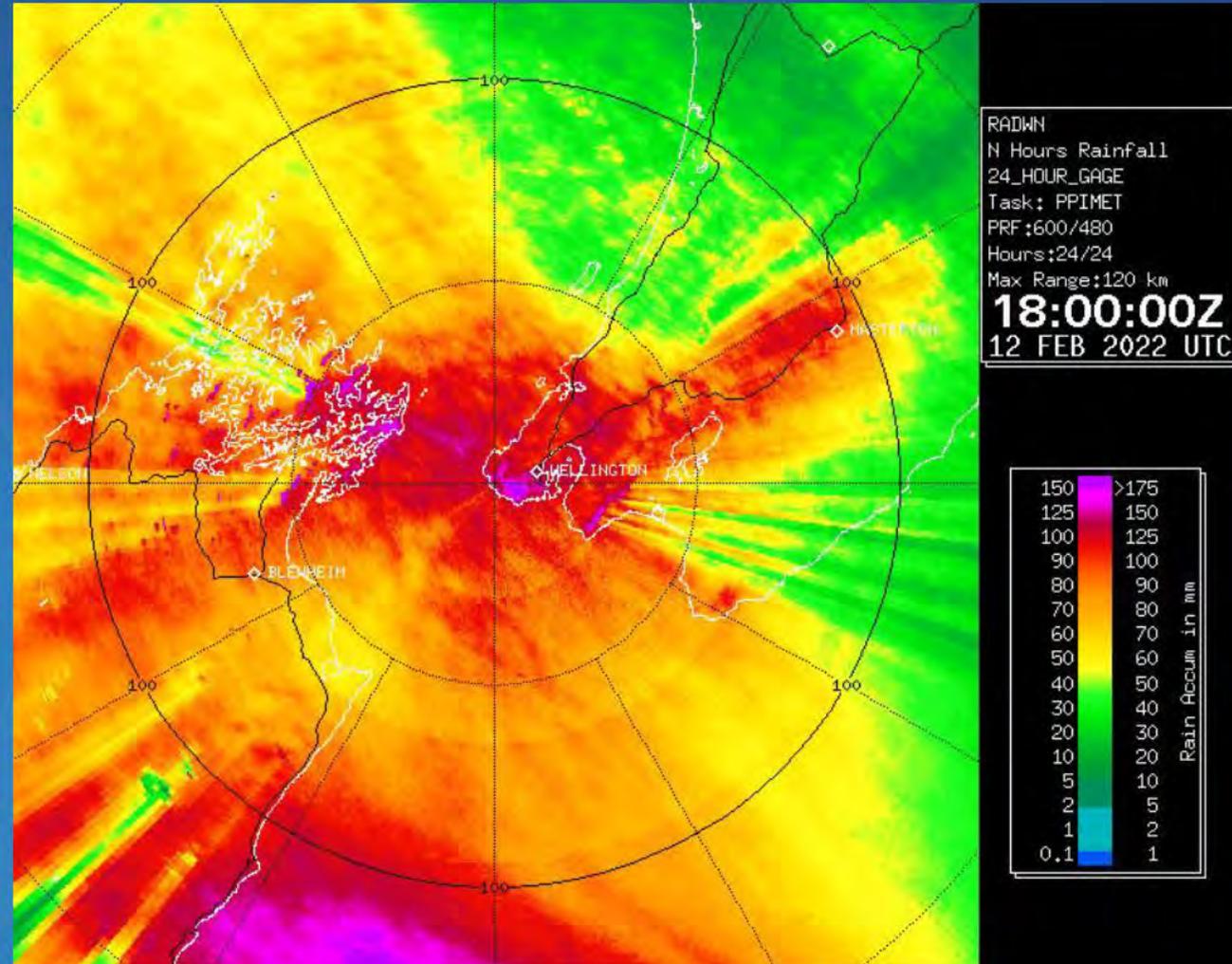
Event (so far – to 9am):

- Buller 30-60mm (80mm Lewis Pass)
- Tasman 100-150mm in NW, Takaka Hill
- Marl. 90-140mm Rai/Kenepuru
- Canty. 80-100mm in N to Kaikoura/Rngs
- Wellington 100-130mm urban areas
- Taranaki 100-130mm lowlands (in S) and 200-300mm on the mountain

→ Another 30-50+mm to come in many places

→ Easing during afternoon

24 hour rain accumulation to 7am
(radar + rain gauge)

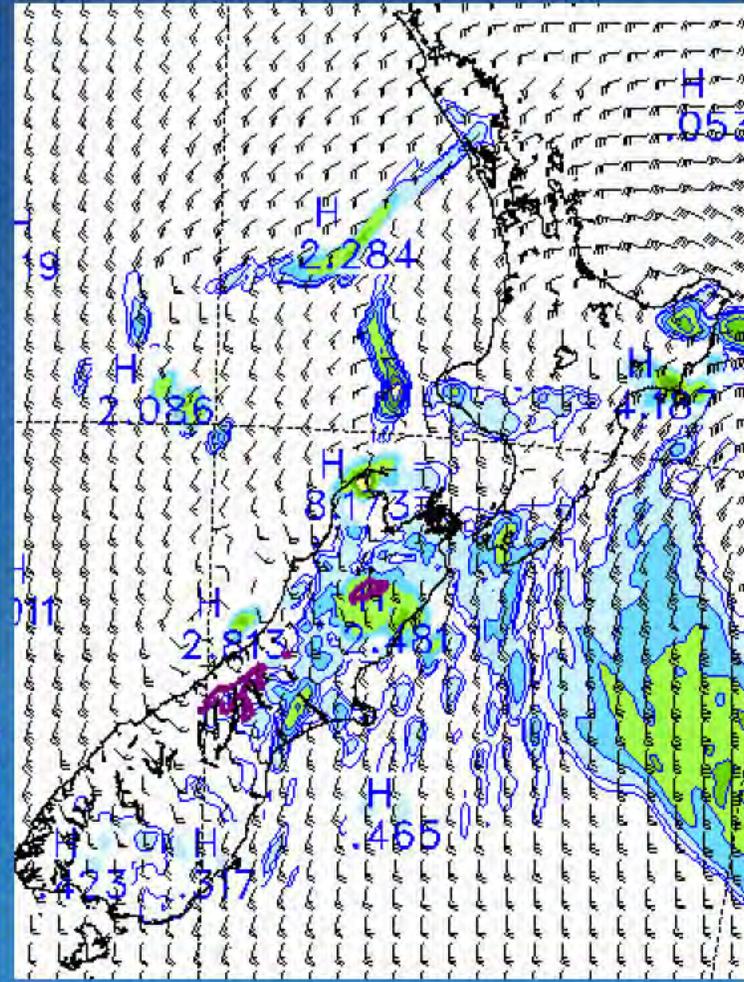
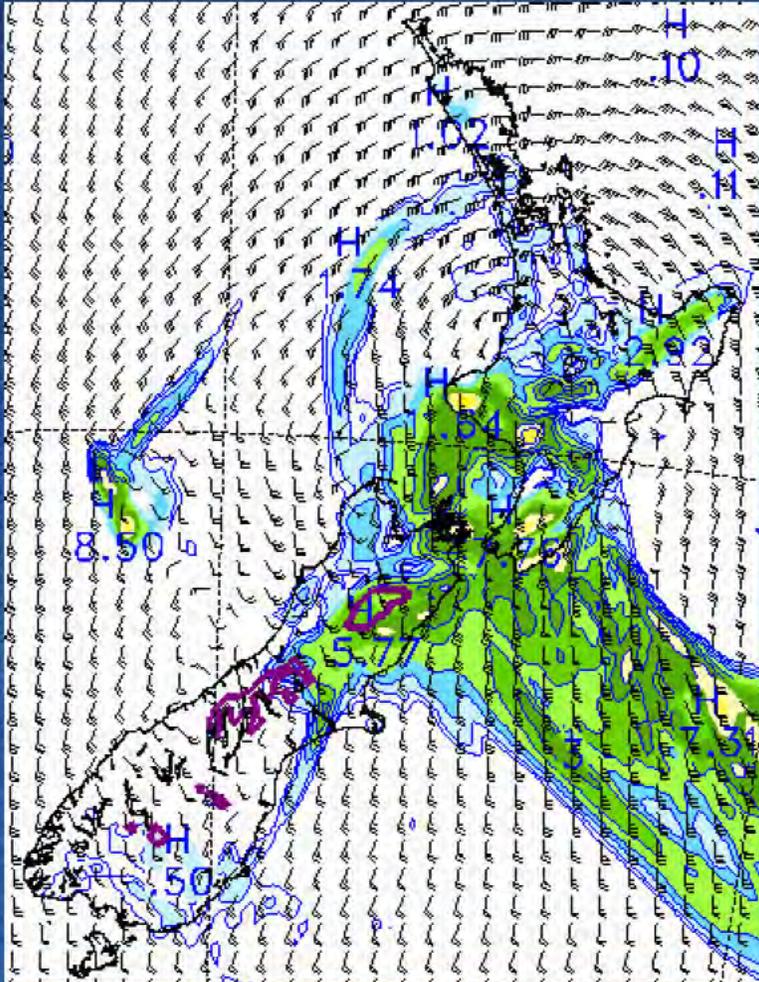


Rainband pulling east today, rain easing afternoon

Midday rain

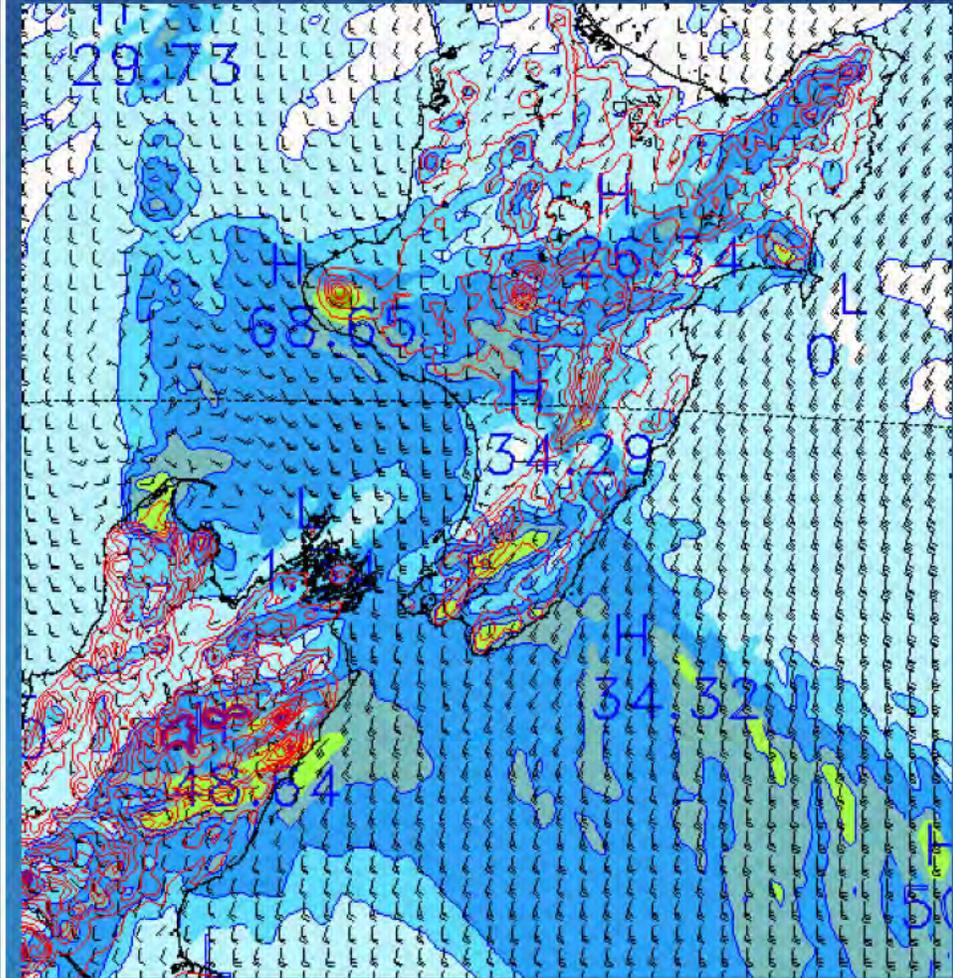


6pm rain



Forecast 12-hour rainfall: 9am-9pm SUN

Note: warning numbers will differ!



Wind

Southerlies picking up in Wellington
Gusts to 9am:

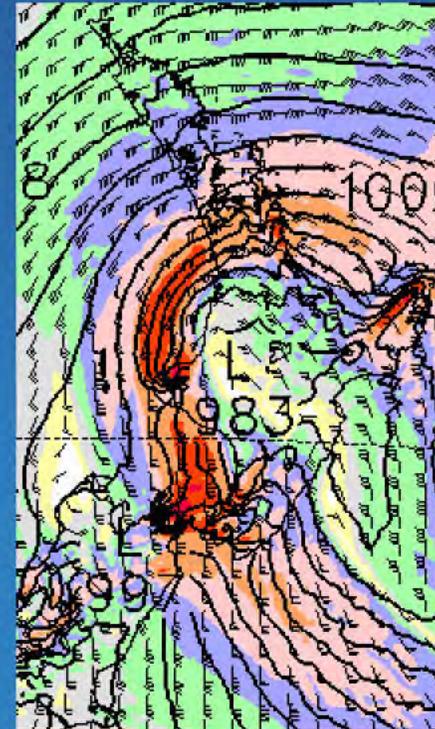
- 137km/h Kaukau
- 119km/h Karori Rock
- 95-105km/h Airport/Harbour/Kelburn

Peak winds:
WELLINGTON, TARANAKI, WAIKATO, AUCKLAND,
COROMANDEL late morning to early afternoon

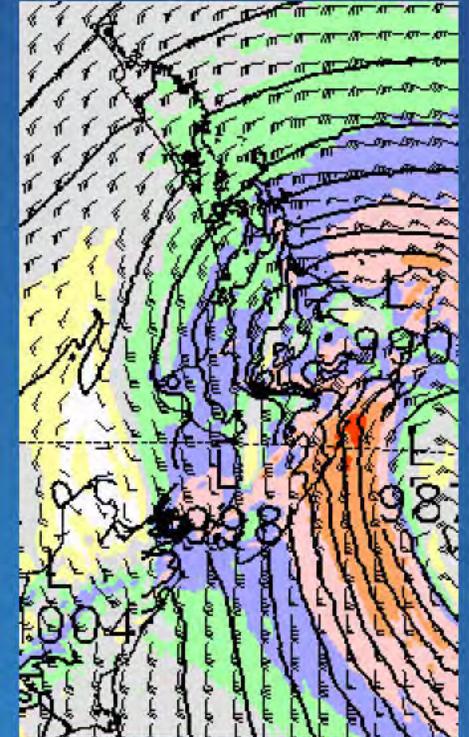
EASTERN COASTS this afternoon

MODEL wind at 500m altitude

Midday



4pm



Current Watches and Warnings, 9:31am update

Rain

“Tail-end” of rain warnings (30-60mm in most places)

All areas easing afternoon



Wind

Peak winds in west morning to early afternoon, then in east during afternoon

All areas easing afternoon, by early evening





Thank you 

From: s9(2)(a)
To: [NCC.Operations](#)
Cc: [Severe Weather Forecasters](#)
Subject: Long-range rain outlook for Buller District
Date: Sunday, 13 February 2022 12:45:47 pm
Attachments: [image001.png](#)
[image002.png](#)

Hi,

As per your request for an outlook of possible rain events in the Buller District for the next week:

Today's rain should ease this afternoon, then clear tonight or overnight.

Monday (14) and Tuesday (15) should be fine.

Wednesday (16) has a weakening front moving up the West Coast – should only be showers by the time it reaches Buller – unlikely to be more than 10-15mm total accumulation

Thursday (17) may have some lingering showers behind the front – less than 10mm total accumulation likely.

Another front should move up the West Coast on Friday (18) and Saturday (19). Rain will likely not start in Buller until late on Friday or early Saturday. This far out it is difficult to say with certainty, but this may have 30 to 70mm of rain, mainly falling on Saturday.

Conditions should clear to fine on Sunday (20).

I hope this helps for your planning,



s9(2)(a)
Forecaster – Meteorological Operations
MetService – Te Ratonga Tīrangi

d s9(2)(a) t s9(2)(a)
30 Salamanca Road, Kelburn, Wellington 6012
PO Box 722, Wellington 6140, New Zealand



metservice.com . metraweather.com . metocean.co.nz

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From: s9(2)(a) .INEMA1
To: [NCC.Operations](#); [NCC.Intelligence](#)
Subject: RE: update from 1600 agency briefing] [UNCLASSIFIED]
Date: Wednesday, 2 February 2022 4:50:23 pm

MetService predict a further 300-400mm in South Westland ranges over next 14 hours then the weather should move through
Predictions for Buller tomorrow 400mm +for ranges
With high intensities up to 40-50 mls ph

Gauges match MetService forecasting
Significant rainfall for the West Coast, higher intensities may cause problems
Some alarms heard on rivers
Waiho, hokitika, Buller rivers on careful watch

Buller Declared state of emergency at 1435. Preparing evacuation plan for whole of Westport township. Comms with wider community .
Looking clearing everyone out between two bridges. Looking first to staying with friends and family and greymouth for welfare support.

Westland district council EOC monitoring, very little activity. Power was out for 2 hours midday. Extra support has gone into Franz Josef and Hari Hari Comms prepared for possible evacuation overnight gone out. Watching closely overnight.

Grey DC nothing to report. Monitoring. Activated flood protection plan. Public messaging gone out.

Group controller priorities planning for BDC evacuation, will need additional welfare support.
NZDF deployed to Westport- 6 personnel, 4 trucks, NH90 arriving .
Shift change at 1830

Waka kotahi all roads open. Monitoring. Only minor rockfall to date.

Chorus- monitoring, BAU.
Westpower- restored Franz/Fox 3.30 pm no current outages

Ngai Tahu/iwi- Arahura Marra available .poutini Waiora staff available to help

FENZ no extra calls

Police slight increase in calls
St John BAU
DHB - O'Connor home almost evacuated
Looking at relocating Buller health
Teams in south Westland
Not aware of anyone isolating in SIQ
Farming - bau/animal shelter in Buller

Sitrep will be circulated shortly

Next meeting 0900 3/2

Sent with BlackBerry Work
(www.blackberry.com)

From: NCC.Operations <NCC.Operations@nema.govt.nz>
Date: Wednesday, 02 Feb 2022, 3:01 PM
To: s9(2)(a) [NEMA] s9(2)(a) @nema.govt.nz
Cc: s9(2)(a) [NEMA] s9(2)(a) @nema.govt.nz
Subject: RE: Buller Declaration [UNCLASSIFIED]

s9(2)
()

Thanks – has s9(2)(a) reviewed this?

s9(2)(a)

From: s9(2)(a) [NEMA] s9(2)(a) @nema.govt.nz
Sent: Wednesday, 2 February 2022 3:00 pm
To: NCC.Operations <NCC.Operations@nema.govt.nz>; NCC.Intelligence <NCC.Intelligence@nema.govt.nz>
Cc: s9(2)(a) [NEMA] s9(2)(a) @nema.govt.nz; ^WCRC: s9(2)(a) s9(2)(a) @wrc.govt.nz; s9(2)(a) @westlanddc.govt.nz
Subject: FW: Buller Declaration [UNCLASSIFIED]

Hi

Please find attached Buller Declaration

Sent with BlackBerry Work
(www.blackberry.com)

From: s9(2)(a) [NEMA] s9(2)(a) @nema.govt.nz
Date: Wednesday, 02 Feb 2022, 2:56 PM
To: s9(2)(a) [NEMA] s9(2)(a) @nema.govt.nz
Cc: s9(2)(a) [NEMA] s9(2)(a) @nema.govt.nz
Subject: Buller Declaration

[UNCLASSIFIED]

Hi s9(2)
()

Please find attached Buller District declaration as at 1435hrs.

s9(2)(a)

Regional Emergency Management Advisor

Buller EOC

Westport

s9(2)(a)

From: s9(2)(a) [NEMA]
To: s9(2) [NEMA]; @NEMA Duty Officer [NEMA]; s9(2)(a) [NEMA]
Subject: RE: West Coast potential flood event 2-5 Feb 2022
Date: Monday, 31 January 2022 12:07:16 pm
Attachments: image001.jpg

[UNCLASSIFIED]

Kia ora

Update from West Coast Flood Risk Assessment Team meeting with Metservice this morning.

- Confidence in totals is moderate to high.
- Met service have issued 2 x Orange warnings for Westland and Buller

Westland

- Peak intensities of 30-45 mils per hour from 5am Wednesday to 7pm Thursday
- Totals between 400-550 but may also be approaching 600mils in the ranges and between 150-300 along the coastline
- Will cause issues for Hokitika, major slips from Jacksons Bay to Haast and potentially at the Waiho bridge with similar totals taking out the bridge 2 years ago.

Buller

- Peak intensities of 25-35 mil per hour from 1pm Wednesday to 1am Friday
- Totals between 250-350 in the ranges and between 150-200 along the coastline
- Both have big high tides in these periods and will cause some inundations at the mouth of rivers

The FRAT team are planning on meeting with the Metservice tonight at 9pm for another update and first thing tomorrow which is when they feel the warning will be upgraded to Red for Westland.

There is an Agency briefing this afternoon at 1400 which s9(2) will attend on behalf of NEMA.

The CDEM Group have put a call out to NEIGHBOURING Groups for resources and at this point Otago are supplying 3 staff for lower Westland from tonight and Canterbury (Selwyn DC) will supply a controller.

Both s9(2) and I are travelling to Greymouth on Tuesday for a business as usual round of engagements, CEG and review restructure, so we will be there should this flooding event occur and there be a need to activate their EOC/ECC.

Further update following 1400 meeting today

Nga mihi

s9(2)

s9(2)(a) | Senior Regional Emergency Management Advisor

National Emergency Management Agency Te Rākau Whakamarumarū Direct Dial: s9(2)(a) | Mobile: s9(2)(a)

s9(2)(a)

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The National Emergency Management Agency was established on 1 December 2019, replacing the Ministry of Civil Defence & Emergency Management.



From: s9(2)(a) [NEMA]
To: [NCC.Operations](#)
Cc: s9(2)(a) [NEMA]
Subject: Update from Buller
Date: Sunday, 13 February 2022 9:04:39 am
Attachments: [image002.jpg](#)

[UNCLASSIFIED]

Morena from Buller

- The wind is picking up and there are reports of trees and power lines down in Seddonville
- The slip at Mokihinui is still active and Northern Buller remains cut off, 2 properties have been evacuated in Karamea
- 60 Tourists trapped in Karamea, being looked after well
- Road to Karamea likely to have a controlled opening on Monday
- Heavy rainfall is causing further slips and hazardous driving conditions
- The Buller river is rising but not of concern
- PIM will be constant during the day to reassure this fragile community
- A Sitrep will be provided by 1000

Ngā mihi

s9(2)(a)

s9(2)(a) | Senior Regional Emergency Management Advisor | South Island

National Emergency Management Agency | Te Rākau Whakamarumarū

Phone: s9(2)(a) | Mobile: s9(2)(a) | www.civildefence.govt.nz



From: s9(2)(a) [NEMA]
To: [NCC.Operations](#)
Cc: [@NEMAREMAS \[NEMA\]](#)
Subject: Update West Coast
Date: Saturday, 12 February 2022 12:31:08 pm
Attachments: [image001.jpg](#)

[UNCLASSIFIED]

Kia ora,

- The West Coast ECC and Buller EOC(Westport) are set up with skeleton staff in a monitoring role.
- Whilst the forecast doesn't look particularly bad for Westport, the Council are aware that the region has been saturated in the last week and there is vulnerability in lifelines. Lifeline agencies are well connected and communicating with each other.
- Hydrologists don't predict the rivers going past early alert levels.
- High winds are the major concern, and may cause trees to topple, causing more slips and electricity outages are possible.
- A slip has re-emerged at Mokihinui this morning and the road is closed with an update from Waka Kotahi by 2pm. Communities north are currently still isolated. The local roading team are working on a 'one-lane' option for access to Karamea but the new slip this morning is hampering getting equipment to the site. The isolated communities are doing well, and welfare checks are being done through community co-ordinators and the EOC.
- Reassurance communication with the community is a major focus today as there is high anxiety in the community.
- The rest of the EOC team are resting and will stand up at short notice if needed.
- NZDF and FENZ have assessed the situation this morning and have stood down from Westport, returning to their bases.
- The Declaration is likely to stay in place until Tuesday (the full 7 days) to support the isolated communities.

Ngā mihi

s9(2)(a)

s9(2)(a) | Senior Regional Emergency Management Advisor | South Island

National Emergency Management Agency | Te Rākau Whakamarumarū

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