

SAFER Planning Workshop Report

West Coast CDEM Group Workshop 8 February 2017

Summary:

This was the third of six CDEM Group-based workshops for Project AF8. The workshop included approximately 60 participants from key stakeholder organisations. Another highly interactive and productive day, eliciting a significant amount of useful material for the project.

Much of the workshop focused on support to the isolated and severely damaged parts of the region, particularly to the South of the region in closer proximity to the scenario quake epi-centre and the Alpine Fault, reconnaissance and situational awareness in a rapidly unfolding disaster. Involvement of community-level CDEM highlighted a level of capability and resilience not seen in other workshops. The availability of appreciable numbers of helicopters in the region also requires significant coordination.

Most cross-CDEM Group boundary issues were in relation to evacuation of injured, visitors, and vulnerable residents, as the need for significant supply of fuel, medical supplies, food and emergency housing without the luxury of road, rail, or large ports or airports, and the deployment of alternative telecommunications solutions across a very dispersed set of communities.

The experience provided a valuable problem-solving focus for collaboration and relationship-building amongst key CDEM stakeholders and partner organisations.

Venue:

The workshop was held at Tai Poutini Polytechnic in Greymouth, in two connected teaching rooms that provided ample and comfortable space for approximately 120 participants to be divided into the 6 syndicated sets of tables used for the day.

A good quality data projector and large screen were used throughout. Wifi was available to all participants.

Space for morning refreshments, lunch, and rolling afternoon refreshments, was available down-stairs and short walk away in the campus cafe. This slightly reduced the time available for breaks, but not unduly so. The venue was well-suited to a workshops of this sort, including access to break-out space which one syndicate group made the most of.

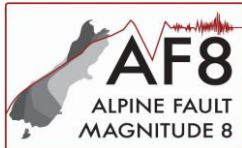
Participants were divided into 6 pre-designated clusters of tables:

- ECC / Local Government
- Emergency Services
- Health Services
- Welfare Services
- Lifeline Utilities
- Communities

Programme:

The programme went entirely to plan and was very well received, enthusiastically approached, and productive for all involved. The workshop concluded at 1600 hrs, with energy levels still high.

1000 – 1030	Workshop Initiation
1030 – 1130	Phase 1. Earthquake + Initial Actions. First 3 hours+
1130 – 1200	Scenario following Initial Action
1230 – 1300	Alpine Fault Science
1300 – 1345	Phase 2. Planning Next 72 Hours. Day 1 to 3
1345 – 1400	Scenario Update
1400 – 1500	Phase 3. Planning Next 72+ Hours. Day 4 to 7
1500 – 1600	Debrief – Gaps + Opportunities



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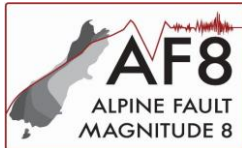
Outcomes Phase 1 – Initial Response.

ECC / Local Authorities

1. Activation of EOCs with facilities damaged and staff impacted.
2. Declare State of Local Emergency – with CDEM coordinating
 - a. Local responses
 - b. All of South Island response
 - c. Connect to national response
3. Establish response priorities:
 - a. Safety of life - Rescue
 - b. Situational Awareness – Including helicopter and fixed wing air recon
 - c. Welfare of impacted people and responders
4. Establish communications.
 - a. VHF + repeaters
 - b. HF radio
 - c. Satellite voice + data
 - d. DoC radio network available, can communicate with North Island
5. Visitor numbers estimated to be 10,000.
6. Hokitika probably only airport available. Helicopters available across the region.

Communities – CDEM, Community Groups, Runanga

1. Priorities:
 - a. Establish EOC
 - b. Identify available resources
 - c. People
 - d. Fires
 - e. Define major problems – Roading, Access, Landslides, Bridges, Rivers, Stop Banks, Liquefaction, Sewage
 - f. Damage to buildings – Safe shelter
 - g. Tourists
 - h. No power or coms
 - i. Water – identify clean resources
 - j. General resources
 - k. Isolated communities
2. How?
 - a. “Civil Defence Plan”
 - b. Communicate: information + feedback to ECC



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Emergency Services

1. Develop initial Action Plan for immediate response

a. Agencies/Functions:

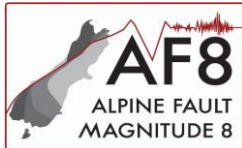
i. Group ECC

1. Local EOCs
2. Police
3. Fire
4. DHB – Ambulance
5. Welfare - Communities
6. NZDF
7. Lifeline Utilities
8. Planning
9. Operations
10. "Communications"
 - a. Media
 - b. Radio-Telephone
 - c. MCDEM
 - d. Information accuracy

b. Inputs

- i. Resource availability locally
 - ii. Regional-National
 - iii. Personnel
 - iv. Fuel
 - v. Food-Water
- c. "Key Stakeholders" – who all contribute to local knowledge
- i. DoC
 - ii. Local businesses
 - iii. Fed Farmers
 - iv. Iwi
 - v. Tourist hubs

2. Focus on developing situational awareness



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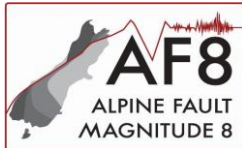
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Welfare Services

1. Own and family safety
2. Checking on those in immediate vicinity
3. Getting to coordination centre
4. Activate won agencies BCP + EMPs
5. Own agency resources available:
 - a. Personnel
 - b. Vehicles
 - c. Equipment
 - d. Support
6. Establishing communications lines with communities to pass to EOC
7. Expect to scale-up for long-term response
8. Pre-Plan:
 - a. Maps – including rural housing
 - b. Older/disabled people
 - c. Helicopter availability + locations
 - d. Tourist destinations – including in rural areas
 - e. Satellite phone contact lists:
 - i. West Coast agencies
 - ii. Out of area contacts

Health Services

1. Evacuate to high ground – taking into account tsunami risk + landslide areas
2. Trigger BCPs
3. Check buildings, staff, facilities
4. Activate all satellite phones
5. Activate emergency generators – if building is functional
6. Decide on critical communications – link to ECC
7. Someone to take charge of Health response(s)
8. Attend to family
9. Self-assessment
10. Begin triage of health agencies
11. Public Health messaging – by whatever means
12. Communicate location of treatment centres, welfare centres, water, food
13. Staffing of centres – who is there now, who/what us needed?
14. Plan for next shift – calling in external reinforcements, subbing out + resting staff
15. Pre-planning discussion:
 - a. Review BCPs + family plans
 - i. Make sure all staff have them
 - ii. Make sure all health team partners have them – including St John
 - b. Ensure all schools + ECEs have emergency plans



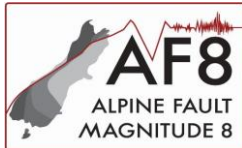
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- c. BCPs need include all vital equipment + dependencies
- d. Each health agency have one vehicle available at all times

Lifeline Utilities

1. Personal Safety
 - a. Saving lives
 - b. Own building safety
 - c. Business continuity
2. Locate staff - How to notify family outside region
3. How to arrange inspection of facilities safely – taking into account aftershocks?
4. Assessment of assets
5. Tsunami threat?
6. Communications
 - a. Establish what communications are working
 - b. How long will they keep running?
7. Fuel supply status?
8. Report to “Head of Civil Defence”
9. Coordination with Civil Defence around:
 - a. Emergency notifications
 - b. Conservation of water + food
 - c. Treat powerlines as live
 - d. Don’t flush toilets
10. Requirements for helicopters or drones



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Outcomes Phase 2.

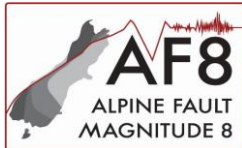
Control – ECC

Emphasis on:

1. Fuel – all types, especially diesel for earthmoving + JetA1 for aircraft
2. Evacuation of injured + non-resident – freeing up local resources
3. Transport options out of area (assuming no roading of any length intact)
 - a. Maritime
 - b. Air
4. Thinking of re-establishing some welfare needs after assessing extent of damage:
 - a. Food
 - b. Shelter
 - c. Lifelines
5. Establish communications (public and on-on-one) so that community is informed
6. Treatment of injured until evacuated
7. Re-establishing infrastructure

Emergency Welfare

1. Needs assessment
 - a. Coordinated across all agencies collecting, analysing, and using data and intelligence
 - b. Ideally using a data collection, database, and dissemination template
2. Reliance on effective leadership and pre-planning
3. Rural issues – still trying to contact isolated areas and communities
4. Corrections will look to deploy Community Service workers
5. Spontaneous volunteers and, where necessary, management of them critical to response
6. Information – community briefings/meetings
7. Accommodation – focusing on weather-tight options
8. Sanitation
9. Triage and medical supplies
10. Kicking in Welfare structures
11. Planning shift changes
 - a. Liaison ECC, EOCs, CDCs
12. Updating intelligence
13. Establish alternative communications
14. Water, Food, Health, Keeping People Safe
15. Managing deceased
16. Planning Intelligence
 - a. Assumptions re what ongoing needs are to feed up to be resourced



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Health

Priorities:

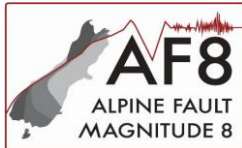
1. Create "IAPs"
2. Setup + maintain EOC
3. Gather intel – all partners, all of coast
4. Reconnaissance of what, who, where, etc.
5. BAU is Disaster Response
6. Linking to ECC – Liaison in place
7. Link with Welfare
8. Coms link to Health ECC
9. Treating injured – triage
10. Temporary morgues – location
11. Prevention of disease / illness, keeping people well

Assumptions:

12. All other regions effected, so we are on our own
13. Lots of casualties, need to be kept alive
14. Evacuation of injured will be necessary – but to where?

Emergency Services

1. Update situational awareness
2. Consolidate resources
3. Facilitate response
4. Get resources in and people out
5. Factors influencing response plan design:
 - a. Focal points
 - b. Assembly / Evacuation Locations
 - c. Main travel routes
 - d. Fuel – Food – Water – Sanitation
 - e. People (Response)
 - f. External requests for resources
 - i. Military + International



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Communities – CDEM, Community Groups, Runanga

Issues:

1. Safety – of workers. Footwear, Hi-Vis, Helmets
2. Hygiene
3. Stranded tourists
4. Injured
5. Assessing resources (Water, Fuel, Essential Resources)
6. Communications: Internal + External
7. Locating population base

Tasks:

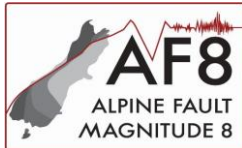
1. Management of Welfare:
 - a. CDEM management
 - b. Red Cross
 - c. Self-management
2. Inspections:
 - a. People
 - b. Buildings
3. Getting tourists out
4. Communication
5. Evacuation Strategy: Elderly, Tourists, Injured

Resources:

1. People
2. Water, Fuel, Food, Meds
3. Machinery
4. Language translation
5. Safe Shelter
6. DoC: Radio communications
7. Generators helicopters

Lifeline Utilities

1. Ongoing infrastructure assessment
2. Kokitika Airport a priority
3. Generators for critical services – and fuel to run them
4. Work with Health Services to prioritise which hospitals/med centres need access
5. Fresh water supply
6. Sanitation
7. Establish bubbles of cell coverage around hospitals + Civil Defence Centre
 - Vodafone were in the group and outlined their emergency capabilities
8. Plan which road access is priority
9. Specialist requirements/people



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Outcomes Phase 3.

Control - ECC

Priorities:

Based on accurate situational awareness, updating initial action plan.

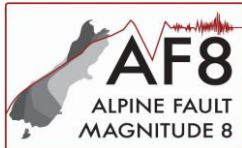
1. Save life
2. Save property
 - Critical Property
 - Power
 - Utilities
 - Medical
 - Sanitation
3. Maintain response
4. Facilitate transition to Recovery
 - Response/Recovery team endurance
 - i. Shifts – Rosters – Stand-down
 - ii. External units
 - iii. Relief planning

Welfare Services

1. Transition emergency shelter to more permanent / adequate
2. Teams:
 - Welfare information sharing
 - WASH – Water Sanitation + Hygiene
 - Needs assessment
 - Advice + psychosocial support
3. Gloriavale
 - Impact + needs
 - Resources
4. Septic tank availability
 - Public health perspective
5. Capacity planning for Welfare Centres
 - Expect families need support now

Lifeline Utilities

1. Get resources in
2. Work out where resources are needed
3. Continue assessment + restoration activities from Phase 2
4. Remove non-essential citizens
5. Evacuation of areas in flood risk
6. Access to satellite imagery?



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Health Services

Priorities:

1. Evacuation + triage points
 - Linked to Primary Health Hubs
2. Welfare Centres + Temporary Accommodation
 - Direct injured + sick to treatment points
 - Health Messaging
 - i. Hands
 - ii. Disease
 - iii. Water
 - iv. Sewage
3. Staff Relief
4. Hospital / Health Hub
 - Request assistance from MoH-CDEM:
 - i. Water
 - ii. Fuel
 - iii. Laundry supplies
5. Meds + supplies
 - Medical caches
 - Prioritise needs / requirements
6. Primary Care
 - Support continued BAU services
7. Aged Residential Care
 - Coordinate across providers
 - Relocate as needed

Emergency Services

1. Update Situational Awareness
2. Sustain life
3. Sustain Response
4. Plan for Recovery
5. Activate aspects of recovery
 - Resources
 - Lifelines
 - Facilities
6. Initial Recovery planning commenced



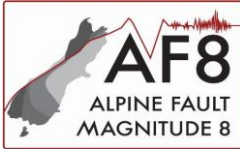
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Communities – CDEM, Community Groups, Runanga

1. Next phase of planning

- Prioritisation of needs
 - i. People
 - ii. Resources
 - iii. Evacuation
- Maintenance of safety
 - i. Residents / People
 - ii. Resources
 - iii. Shelter
- Continue update of information and communication
- Inventory of resources
- Register of evacuees
 - i. Where they are
 - ii. Where they have gone
- Ensuring logistics record commandeered goods, services + equipment kept current
- Recognise resources at risk of being over used or expended
- Take stock, reassess, update plan



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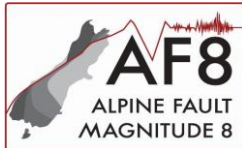
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Gaps and Opportunities:

1. Objective consideration of how the region would shelter, feed and water residents and a significant number of visitors for a protracted emergency response without normal services and supplies.
2. Need to review quake resilience status of key buildings in the region.
3. Clarification on national-level planning on time-frames, nature, scale, and means of transport of incoming response and relief personnel and resources, as well as evacuation arrangements and capabilities.
4. Current management of response data, community assessments, etc, not up to the task.
5. Stock take of alternative telecommunications, generators and fuel supplies in the region.
6. Need for significantly enhanced inventory of helicopter resources and establish local and region-wide coordination, priority tasking and management.
7. Confirm status local hydro dams in wider network failure.



West Coast Project AF8 Planning Workshop



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Appendix 1. Organisation Involved in West Coast Planning Workshop

Welfare:

Rural Support Trust

WC DHB

Corrections

Child Youth and Family

Red Cross

Communities Westland District Council:

Haast

Bruce Bay

Fox

Franz Josef

Whataroa

Makaawhio

Ngati Waewae

Local Authorities:

Controller Grey District

Controller Buller District

Controller Group

Controller Grey District

Controller Westland

Group Controller

Controller Buller

CEG Chair / Controller

Westland District

Emergency Services:

Fire Service

LandSAR

St John Ambulance

NZ Police

WC DHB

Community + Public Health

Lifeline Utilities:

Lifelines Coordinator

Transpower

Downer Engineering

Opus

Buller Electricity

Kiwi Rail

Electrical Consultant

Solid Energy

Electronet

Trust Power

Vodafone

Economic Environment:

Tai Poutini Polytechnic

Federated Farmers

Tourism West Coast

Mines Rescue

Science + Project AF8:

University of Canterbury

University of Otago

CDEM Canterbury

Emergency Management Southland

Emergency Management Nelson Tasman

MCDEM

GNS Science