

SAFER Planning Workshop Report

Southland CDEM Group Workshop 25 November 2016

Summary:

This was the first of the six CDEM Group-based workshops planned for the project. The workshop was highly interactive and productive, providing a sound basis for subsequent workshops. Not only did the workshop elicit useful material for the project, but it provided a problem-solving focus for collaboration and relationship-building amongst key CDEM stakeholders. Lack of Police and Fire representation inhibited the aspects of planning, although mitigated to some extent by former Police and Fire officers being involved.

Venue:

The workshop was held in the spacious Invercargill Working Men's Club, allowing plenty of room for approximately 40 participants to be divided into the 4 syndicate sets of tables used for the day. A list of participating organisations is included as Appendix 1.

A good quality data projector and large screen. Heavy curtains to reduce light and allow the projected images to be seen.

Space for morning refreshments, lunch, and rolling afternoon refreshments.

Although the venue was not designed for workshops of this nature, it was flexible enough to more than adequately meet the needs of the day.

Wifi had not been arranged for the day, although a tethered cell-phone enabled access to external video resources when required.

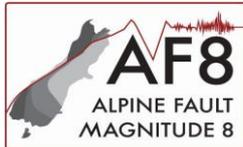
Programme:

The programme for the day was that agreed with the Governance Group, outlined below;

1000 – 1030	Workshop Initiation
1030 – 1130	Phase 1. Earthquake + Initial Actions. First 3 hours+
1130 – 1200	Scenario following Initial Action
1230 – 1330	Phase 2. Planning Next 72 Hours. Day 1 to 3
1330 – 1345	Scenario Update
1345 – 1500	Phase 3. Planning Next 72+ Hours. Day 4 to 7
1500 – 1600	Debrief – Gaps + Opportunities
1600	Workshop Close

The programme went largely to plan, although participants began to lose energy and focus in the afternoon session. This resulted in the facilitator abbreviating Phase 3 and the Debrief – Gaps and Opportunities component. Despite this the final sessions, and the day in general, were well received, enthusiastically approached, and productive for all involved.

The workshop was concluded at approximately 1530, by when energy and focus were beginning to flag.



SAFER Planning Workshop Report

Southland CDEM Group Workshop 25 November 2016

Outcomes Phase 1.

The main issues identified for inclusion in future planning:

1. Rapid acquisition of shared situational awareness, across all agencies + organisations.
2. Reconnaissance pre-planning and coordination:
 - a. particularly in relation to the effective and efficient use of helicopters
 - b. also including ground-based reconnaissance
 - c. essential that lifeline utilities, NZTA and emergency services are involved in planning, deployment, data collection, analysis, intelligence production and dissemination.
3. Need for early planning and tasking of reconnaissance of critical infrastructure, given likely areas of vulnerability and impact:
 - a. Land Transport:
 - i. State Highway
 - ii. Local roads according to roads hierarchy
 - iii. Rail
 - b. Air Transport:
 - i. Airport surfaces
 - ii. Air traffic control
 - iii. Aircraft
 - iv. Fuel
 - c. Water-based transport:
 - i. Harbours – Impact of quake on coastal + submarine features
 - ii. Port facilities – Wharves + associated loading infrastructure
 - iii. Land access to ports
 - iv. Availability of water craft
4. Alternative communications options and use, including satellite phones, needs to be pre-planned in detail, enhanced where necessary, trained for, and reinforced.
5. Some agencies did not have alternative telecommunications in the region, as their regional office is in Dunedin or further North.
6. CDCs (or “Community Led Centres”) should be enabled to self-activate to assist in meeting needs of communities, with communities themselves providing most of the initial resources.
7. Tsunami evacuation planning and knowledge appears to be inconsistent within and between coastal communities.
8. Lack of electricity + telecoms puts onus other means of communicating with communities.
9. Low awareness of the on-going nature of the aftershocks, and the consequences for how the response will be launched and run.
10. Lack of awareness and urgency response planning as narrowing weather a weather window to carry out reconnaissance, evacuations and operate within.



SAFER Planning Workshop Report

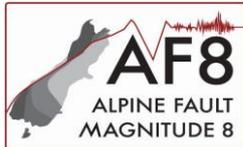
Southland CDEM Group Workshop 25 November 2016

Outcomes Phase 2.

1. Many agency reps had not appreciated scale of impact of Alpine Fault earthquake.
2. More clarity is able to be achieved as the response progresses, however making sense of that, identifying needs and options for action to improve the situation immediately and over the course of the emergency is another matter.
3. Access to remote communities, and reconnaissance along the way, should be a priority – particularly when nothing is heard from those communities.
4. Rural communities should not be assumed to be especially resilient.
5. A generator and associated fuel pre-plan, taking into account the impact of earthquake and other hazards in infrastructure is crucial.
6. Systematic planning, management, data acquisition/impact assessment, and meeting of needs has to be pre-planned, trained for, supported and delivered.
7. Supporting communities and effected individuals in-situ is preferable to immediately attempting to evacuate for its own sake.
8. Community support, which includes “Welfare”, should be able to scale rapidly, up and down, to meet need equitably and efficiently.
9. Impacts, hazards, response facilities, and actual and planned actions should be proactively mapped, maintained, and shared:
 - a. In paper form and GIS/electronic.
 - b. Should be planned and resourced prior to being needed in an emergency.
10. Lack of personnel available locally to do everything required.



Southland ProjectAF8 Planning Workshop. 25 November 2016



SAFER Planning Workshop Report

Southland CDEM Group Workshop 25 November 2016

Outcomes Phase 3.

1. Contact needs to be made with isolated/distant communities early + maintained regularly.
2. Forward planning should take into account:
 - a. Changing community needs
 - b. Weather and other risks
 - c. Movement of displaced people
 - d. Other response priorities.
3. Provision for forward triage of evacuees from effected areas, such as Te Anau or Manapouri Airport for evacuees from Milford Sound and other remote locations.
4. Sub-regional coordination required in Fiordland/Western Southland.
5. Department of Conservation does not only have a field response capabilities and roles, but should be an integral part of overall response planning and coordination.
 - a. DoC management have crucial knowledge and relationships
 - b. DoC telecommunications should be an integral component of response coms.
6. Lifeline Utilities recognised the need to more effectively collect and share information on the status of their infrastructure and other issues pertinent to response and recovery.
7. Lifelines Utility Coordination will be essential to effective prioritisation of routes, networks, nodes and resources in response to a serious earthquake.
8. Alternatives to current land and rail transport into and out of the region should be explored in detail – air and sea.
9. If CDCs or similar are to be deployed for a protracted period they should receive high priority for supply of water, food, electricity, waste-water management.
10. Assessment of length of time individual communities can support themselves would assist planning and response.
11. Pre-determining locations for emergency resources, such as water distribution, portaloos.
12. Consider use of sea-going vessels for self-sufficient accommodation and evacuation.
13. Interruption to electricity supplies a major factor in fuel availability.
14. Limited reserves of Jet A-1 in Invercargill (and Queenstown) should be given priority in future planning and response.
15. Consideration of the need to support incoming response teams should occur in advance.
16. Arrangements for mortuaries should be considered in light of a South Island-wide emergency of the scale considered in this scenario.
17. Some agencies not previously aware that they were expected to be part of a larger multi-agency response, coordinated under the auspices of Southland CDEM Group Controller.
18. Should look to make the most use of local businesses to support response + recovery.
19. FMCG is a priority for a region without significant distribution centres.
20. Assumptions about Southland's ability to receive tens of thousands of evacuees from Queenstown Lakes District should be reconsidered in light of impacts in Southland itself and the road infrastructure between Kingston and Invercargill.
21. Given scale and duration of impact and response it will be crucial to pace response and properly manage deployments, shifts, and physical and psychosocial support.



SAFER Planning Workshop Report

Southland CDEM Group Workshop 25 November 2016

Debrief:

Jon Mitchell, Angus McKay, Caroline Orchiston, Tim Davies, Alistair Davies, and Chris Hawker met immediately after the workshop to carry out a debrief. The following opportunities to improve the workshop were agreed.

Introduction:

Introduction needs more on the background for the project, including:

- Background to the project coming into being.
- Work that went into the scenario development, including 30 scientists who have contributed to the project and their preceding work that informs the project.
- This could be presented mid-way through the next workshop to break up the day.

Collateral:

More work needs to be put in considerably earlier to ensure maps, GIS layers, and any other necessary collateral are available on the day.

Impact Expert Panel:

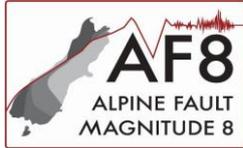
The Impact Expert Panel will meet on 15 December to ensure adequate time is allowed to prepare material prior to the next planning workshop, Otago on 23 January. The focus of the 15 December meeting will be developing the scenario for the West Coast and Canterbury planning workshops. A subsequent expert panel meeting will be held prior to the Nelson-Tasman and Marlborough planning workshops in mid-February.

Group Manager Familiarity:

The Southland CDEM Group workshop was unique in the Group Manager's familiarity with the project and the intent of the workshops. It will be beneficial for future workshops for the Programme Manager to spend time working the scenario up with the senior staff for future projects.

Revised Programme:

A revised Workshop Programme and Resources is attached as Appendix 2.



SAFER Planning Workshop Report

Southland CDEM Group Workshop 25 November 2016

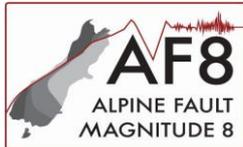
Appendix 1.

ORGANISATIONS INVOLVED

- Emergency Management Southland
- Ministry of CDEM
- Environment Southland
- Invercargill, Southland, Gore
- Emergency Services
- Southern DHB
- South Port
- Venture Southland
- St John Ambulance
- NZTA
- MSD
- NZDF
- MPI
- Dept of Conservation
- Runanga:
 - Awarua, Hokonui, Oraka Aparima, Waihopi
- Red Cross
- Child Youth + Family
- PowerNet
- Meridian Energy
- KiwiRail
- Allied Petroleum
- AsureQuality
- Emergency Management Otago
- Otago University
- University of Canterbury
- NZ Fire (Apology)
- Police (Apology)



DRAFT



SAFER Planning Workshop Report

Southland CDEM Group Workshop 25 November 2016

Appendix 2.

Proposed Revised Workshop Programme – as at 28 Nov:

1000 – 1030	Workshop Introduction <ul style="list-style-type: none">• Group Manager/Controller• Science Team Leader• Programme Manager – Workshop Facilitator
1030 – 1130	Phase 1. Earthquake + Initial Actions. First 3 hours+
1130 – 1200	Scenario following Initial Action
1230 – 1300	The Alpine Fault <ul style="list-style-type: none">• Science Team Leader
1300 – 1330	Phase 2. Planning Next 72 Hours. Day 1 to 3
1330 – 1400	Scenario Update – Days 1 to 3
1400 – 1500	Phase 3. Planning Next 72+ Hours. Day 4 to 7
1500 – 1600	Debrief – Gaps + Opportunities
1600	Workshop Close

Resource Requirements:

1. Workshop venue sufficient to accommodate number attending.
2. Provision for 4 syndicate tables.
3. Adjacent refreshments and lunch area.
4. Data projector and screen – with lighting to enable effective projection.
5. WiFi access.
6. 4 to 5 x sets of maps of the CDEM Group area, with some inclusion of neighbouring groups.
 - a. GIS layers of impacts will be provided from Project AF8 Impacts Expert Panel
 - b. Layers of local/regional infrastructure, resources, and communities to be provided by Group.
7. Copies of respective CDEM Group Plan, operational procedures, National CDEM Plan Guide, CDEM Act.
8. (5 x flip charts and markers. *Can be provided by Project AF8.*)