

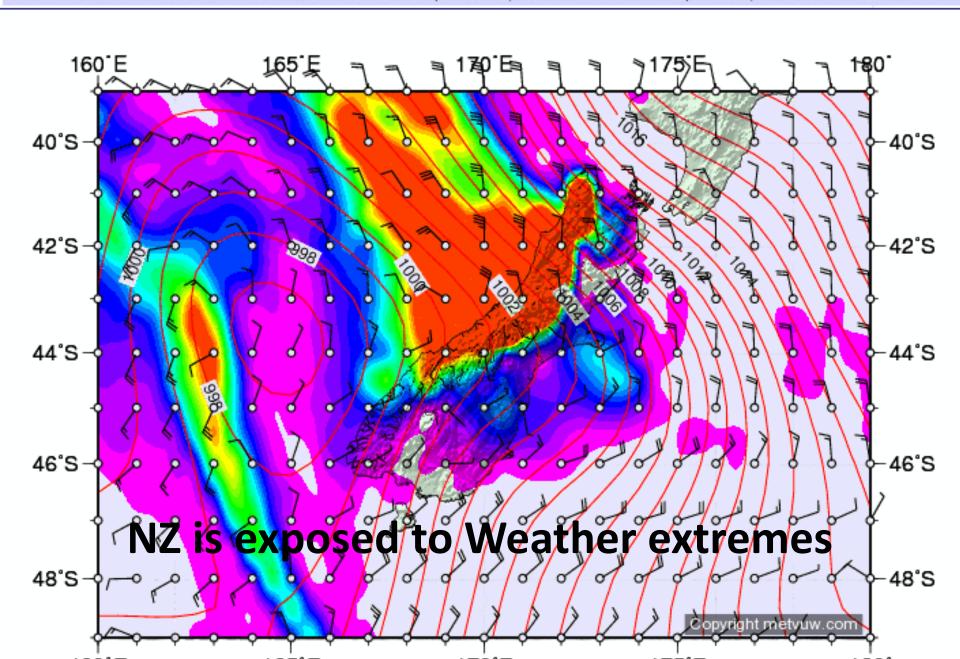


# Mt Arthur Karst, one of the Marble peaks west of Nelson. NZ South Island



### Valid for:- 0600 NZST Wednesday 8 April 2015

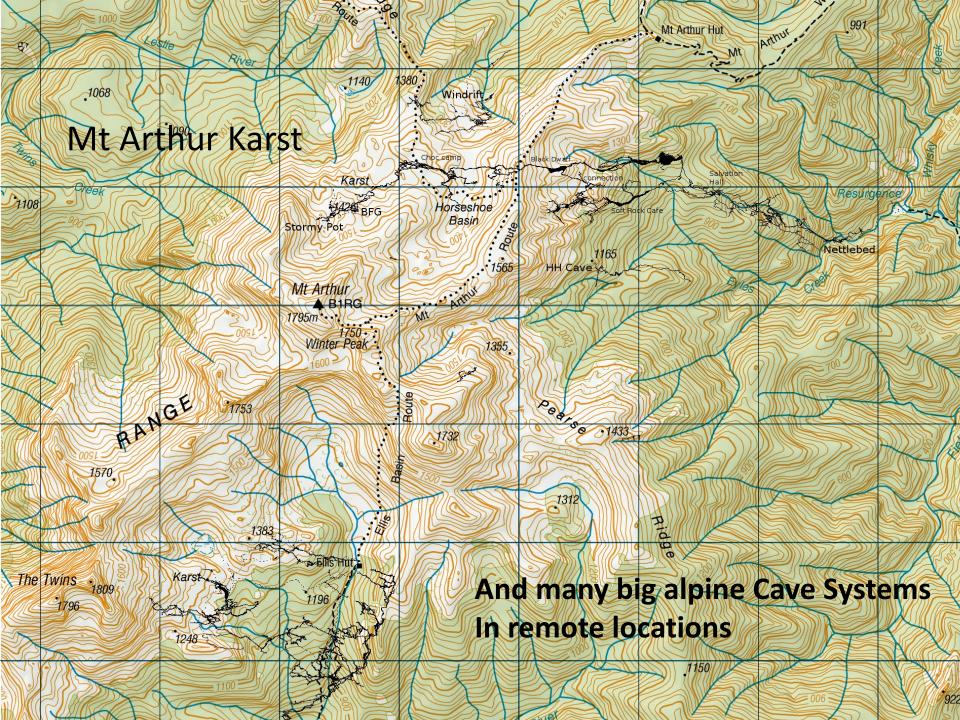
Forecasts issued at:- 0700 NZDT Thu 2 Apr 2015 (1800 UTC Wed 1 Apr 2015)

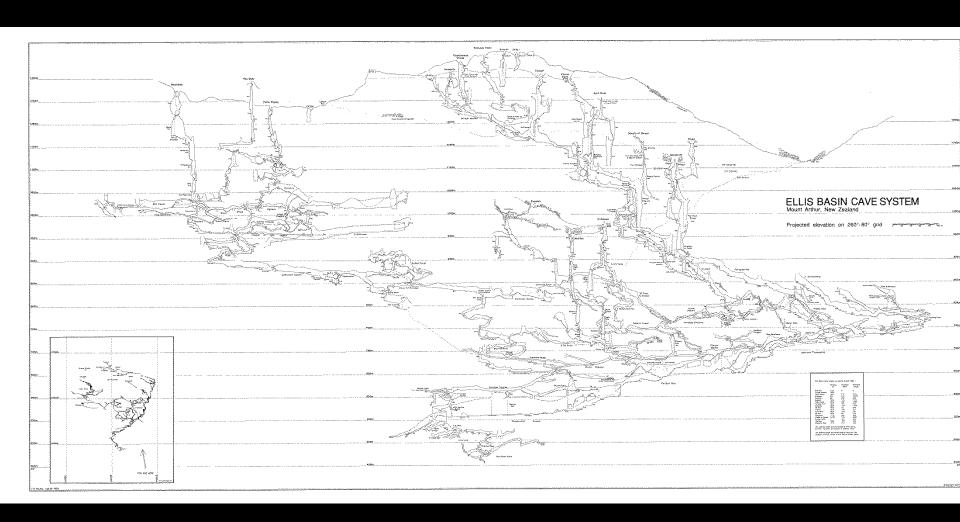




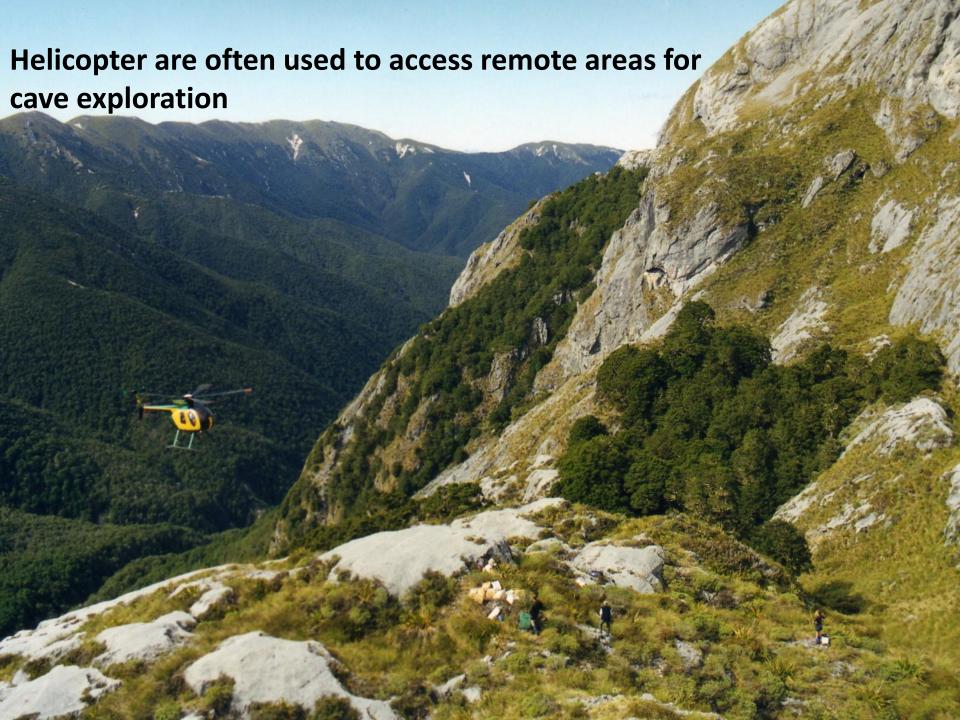




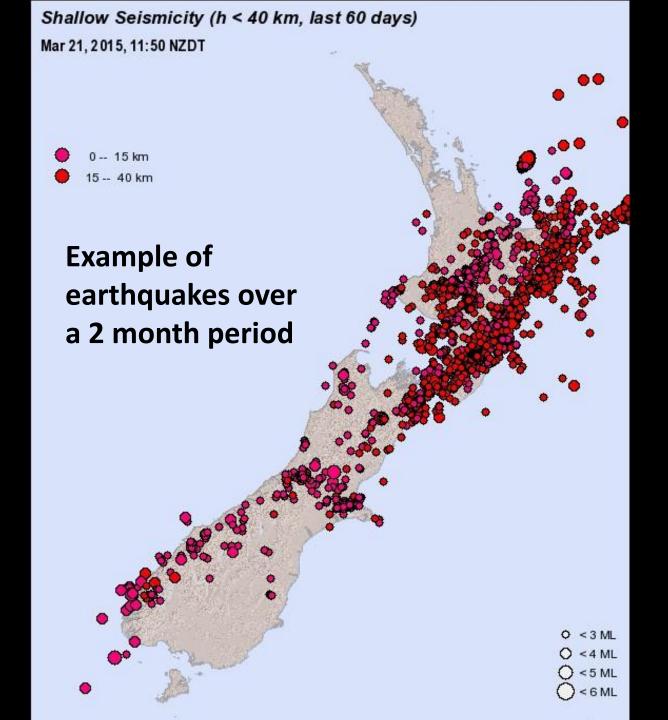












Exploration of NZ's Alpine karst began in the summer of 1963 on Mt Owen.

The first major NZ deep cave rescue occurred on that expedition.

Also the first time a helicopter was used in a NZ rescue.







l	1/10/2013	Summit Tomo	Bottom of 18P directly under pitch out of streamway	Takaka Hill	Caver descended 18m pitch below up rope on streamway looking for dropped Gopro. Near miss, boulder & gravel bank above pitch collapsed while caver at bottom of pitch.
l	26/10/2013	Stormy Pot		Mt Arthur	High water levels, exit delayed 24hr
l	27/10/2013	Little Harwoods	55m Entrance pitch	Takaka Valley	Assisted haul up pitch, exhaustion.
I	2/12/2013	Te Mana Nui Cave	Ramseys Run	Tablelands	Near miss - 2.5m long slab started toppling onto caver, others held it until caver climbed to safety.
Α	30/12/2013	Harwood Hole trip	On walk back up hill	Takaka Hill	Dislocated knee, put back in & made it back with assistance
С	6/02/2014	10m Shaft	Ngarua Area	Takaka Hill	Walker fell 15m down shaft, knee injury. Rescued by Cavesar team
С	8-9/2/2014	Pillar Cave	Narrow Streamway Passage	Tablelands	Caver unable to return through tight squeezes. Explosives used to open up passage
Α	22/03/2014	Harwood/Starlight	Balcony Pitch	Takaka Hill	Caver fell 15m when rope broke due to RF. Dislocated and fracture of right shoulder. Team self rescued.
С	23/03/3014	Mein Hole	100m into cave	Poi Poi, Waitoru Station	Shoulder & Facial injuries, fell on short climb
I	26/03/2014	Stormy Pot/NB	Red Zone	Mt Arthur	Caver squeezed through RF which collapsed after he got through, RF had to be dug out for him to return.
С	3/07/2014	Simply Sumpless	Entrance series	Takaka Hill	Novice caver unable to get back through tight passage. Several rock protrusions removed by Cave rescuers, then assisted from cave.
Α	31/07/2014	Middle Earth	Cannon Ball Alley	Takaka Hill	Caver took wrong route from bottom of Lighthouse pitch, slipped wh down climbing boulder landing on back. Brusing with pain to lower back above pelvis. Exited cave with assistance.
С	10/08/2014	Middle Earth	Below Camp 2	Takaka Hill	Experienced caver broke collar bone, due to RF assistance requested but party able to self rescue prior to rescuers entering cave. 20 caves personal called out.
I	8/11/2014	Stormy Pot - NB trip		Mt Arthur	Uncontrol descent of 5m pitch
С	21/12/2014	Nettlebed Cave	Resurgence	Mt Arthur	Overnight trip up the Pearse for a day trip into NB. Party delayed 24h

## ACC

#### **Accident Compensation Commission:**

Covers the medical costs (free of charge) resulting from accidents for all NZ's and overseas visitors in NZ.

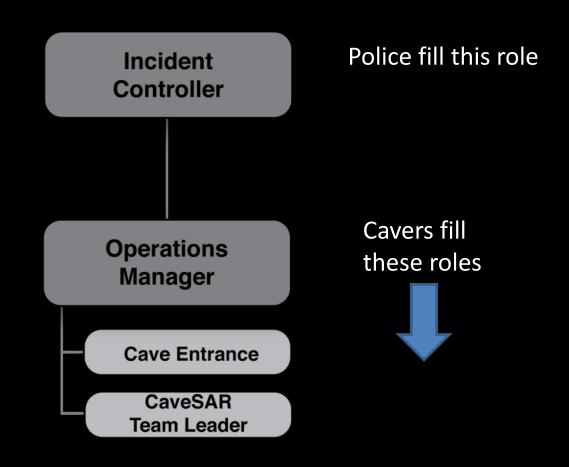
It does not cover repatriation to your country

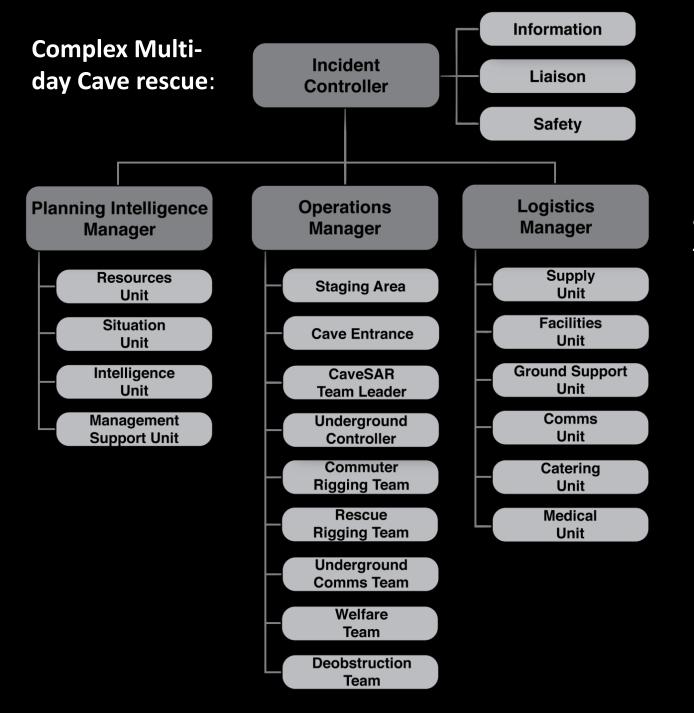
NZ is party to the international convention to provide rescue assistance. You are unlikely to be charged for a cave rescue in NZ.



NZ Cave Rescue is a member of NZ LandSAR, we are a volunteer organisation. All rescues in NZ use the **CIMS** (Coordinated Incident Management) structure

Simple cave rescue example:





Police, Cavers and other SAR fill these rolls

# NZ Cave Rescue Funding

The Cost of all Cave rescues is covered by the NZ Police.

The New Zealand Speleological Society receives annual bulk funding from Landsar NZ for

- Cave Rescue Equipment
- Local Cave rescue Exercises
- Management & Surface support courses
- Specialist training
- Explosives training



## Cave rescue training targets

Specialist Underground training

Rope rescue techniques, De-obstruction
First aid (external training), Stretcher, Communications

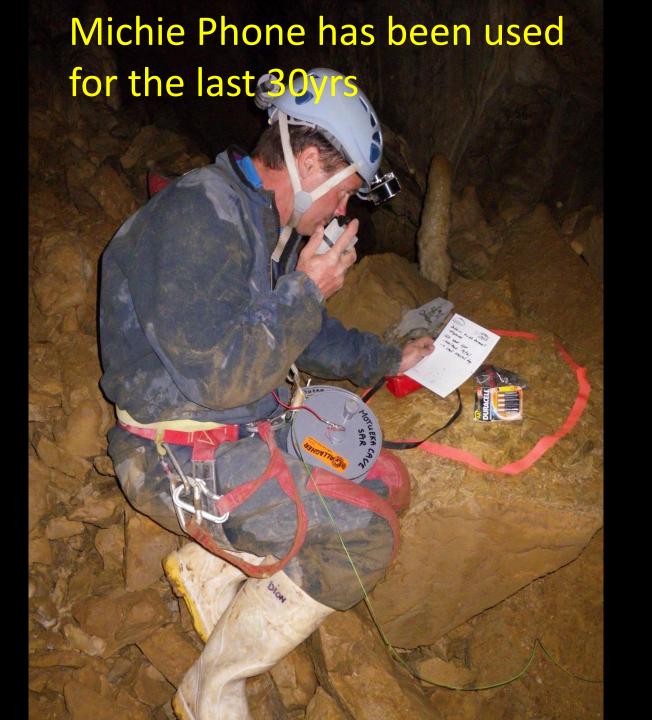
Incident Management Training

For Cavers involved with coordination of rescues

Surface support

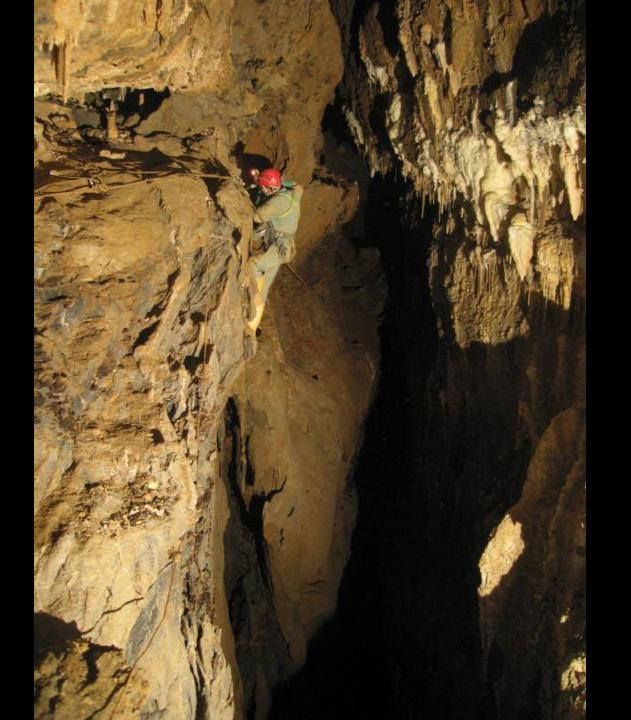
A clear overview of how SAR system works & how they fit in

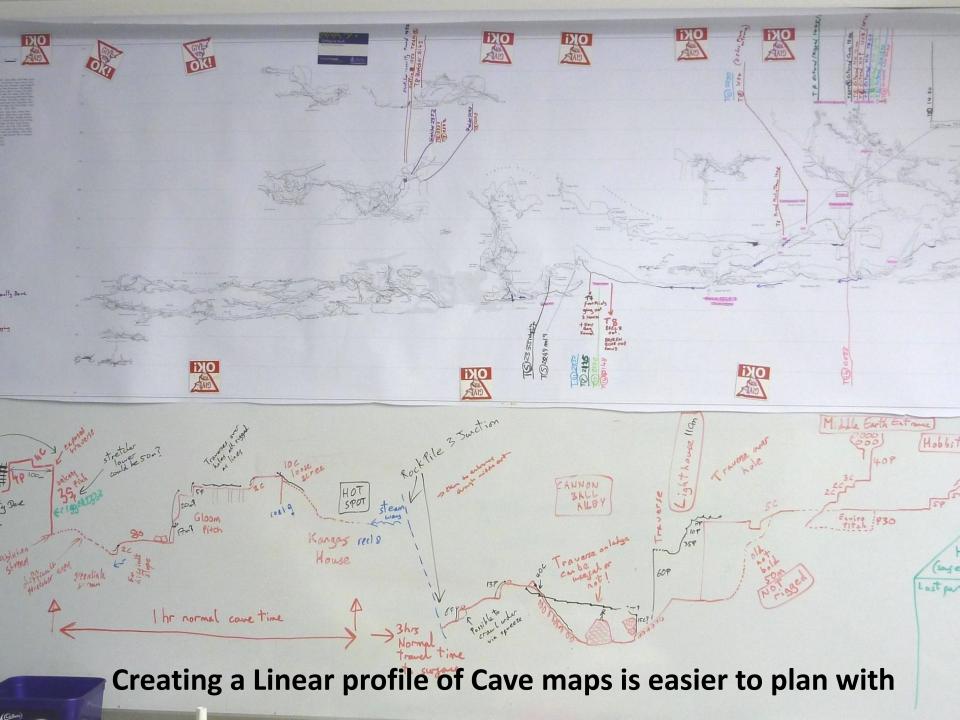
Forward base/Entrance team requirments Briefing/Debriefing/Comm's













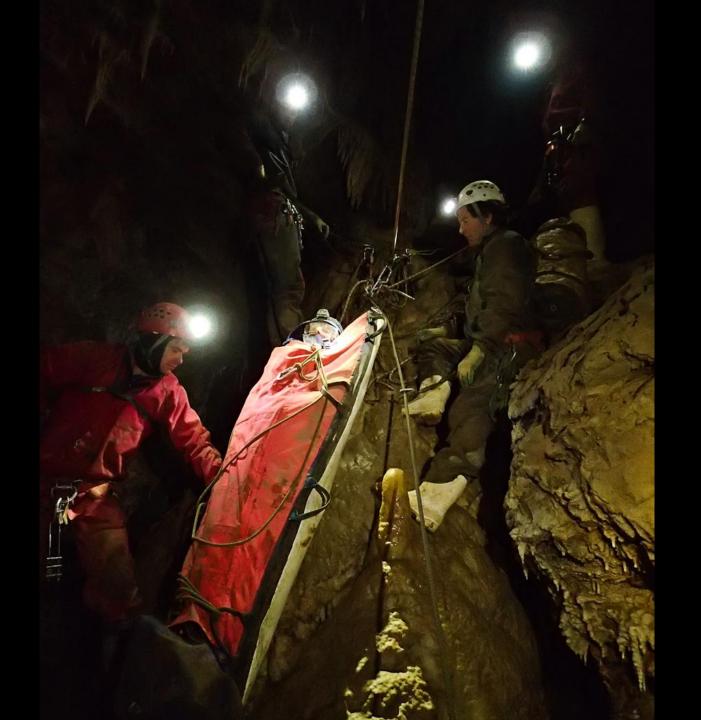












### How do we keep track of them?

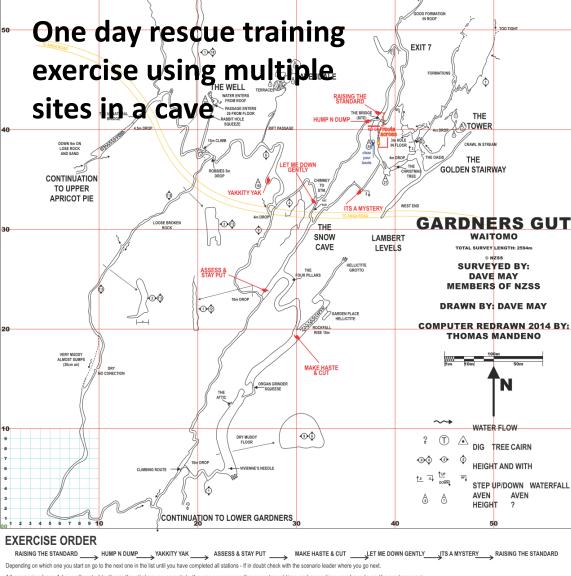
### **Operation Brewer:**

- •120 rescue personnel
- •22 teams
- •72 hours
- Difficult cave terrain
- Newly discovered cave passages
- Serious injury
- Multiply emergency services involved



Greg rickford	-	i wa base	est. Iwa sase, interim manager	1,03,2013	03.00	Now in realing 11
Kip MandenoTL	4	Fwd Base	Est. fwd base	1/03/2013	09:00	Retasked to TL
Hoss Kouhestani	4	Fwd Base	Est. fwd base	1/03/2013	09:00	Retasked to TL
Dion Richards TL	5	MickieTea m	Lay Mickie Ph wire lost party intended route; to lighthouse pitch - complete	1/03/2013	11:26	Going back to Kanga House
Gavin Holden	5	MickieTea m	Lay Mickie Ph wire lost party intended route; to lighthouse pitch - complete	1/03/2013	11:26	Going back to Kanga House
Ivan Rineks	5		Lay Mickie Ph wire lost party intended route; to lighthouse pitch - complete	1/03/2013	11:26	Going back to Kanga House
Alison Pickford TL	6	Fwd Base	Fwd Base Mgt; Comms to SAR Base; Team tasking	1/03/2013	10:45	
Shara Cohen	6	Fwd Base	Fwd Base Mgt; Comms to SAR Base; Team tasking	1/03/2013	10:45	Going back to Cave Hut
Adele Rewet	6	Fwd Base	Fwd Base Mgt; Comms to SAR Base; Team tasking	1/03/2013	10:45	
Dalla Riley	6	Fwd Base	Fwd Base Mgt; Comms to SAR Base; Team tasking	1/03/2013	10:45	left exercise
Kevin Mountford TL	7	Nearch	Rig entrance area; search main route; if locate party 2 stay, 2 return to comms; meet Kip at entrance.	1/03/2013	171130	At Kanga House. Found gear & sleep bag. Awaiting retasking
Leo Viersma UG	7	Nearch	Rig entrance area; search main route; if locate party 2 stay, 2 return to comms; meet Kip at entrance.	1/03/2013	14.30	At Kanga House. Found gear & sleep bag. Awaiting retasking
Sam Lewis	7	Nearch	Rig entrance area; search main route; if locate party 2 stay, 2 return to comms; meet Kip at entrance.	1/03/2013	14.30	At Kanga House. Found gear & sleep bag. Awaiting retasking
John McLaren	7	Nearch	Rig entrance area; search main route; if locate party 2 stay, 2 return to comms; meet Kip at entrance.	1/03/2013		At Kanga House. Found gear & sleep bag. Awaiting retasking
Heidi Godfrey	8	Medical & rigging	Travel patient; escort Dr; wk back to rigging pitches; Heidi call James Alker.	1/03/2013	16:17	Reel 9 at end of Kanga House
		Medical &	Travel patient; escort Dr; wk back to rigging pitches;	4 100 10040	46.45	





All scenarios have 1 hour allocated to them; the slicker you complete the one you are on the more travel time and more time you have to on the next scenario.

All scenarios can only start on their appointed time & will finish on their appointed change over times.

#### SAFETY

All climbing of ladders or climbs must be on belay.

All Belay ropes on ladders must be left down the ladder for self-belay requirements and tied off prior to leaving the pitch. If any damage to SRT ropes occurs it must be isolated & reported to nearest scenario

If an incident occurs requiring rescue; report to nearest station who will inform SAR base that this is a "NO DUFF NO DUFF" event and all scenarios activities will cease. All teams are to stay put until advised of
what to do.

All cavers are to be prepared for a full day underground as if you are part of a regular rescue team. You must stay in your team through out the day if one person needs to come out they must be escorted by another team member to the read side of that leam will fortify till all points.

All teams are to report in at the cave entrance that they are heading underground and report as you come out so your taxi will be there on arrival at the road.

Cavers are not to access to any surrounding private properties. Emergency comms will be at Ash's House over the road but can only be accessed if it is an emergency do not access this property otherwise.



