

Aquatic Safety Plan

DEFQON.1 Festival
Sydney International Regatta Centre
18th – 20th September, 2015
Q-dance Australia

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1. Context of plan - Defqon.1 Music Spectacular and Camping Event

Defqon.1 Australia is a dance festival representing the harder styles of dance music, which incorporates a significant component of special effects including pyrotechnics, laser lights.

Defqon.1 Australia is set on an island with 360 degree water views, The Sydney International Regatta Centre, surrounded by 196 hectares of native parkland, situated at the foot of the world famous Blue Mountains.

Defqon.1 Australia will have 7 contrasting stages representing their own styles in harder dance along with themed decor and production.

Lifeguards will be required to be onsite for the duration of the camping activities and the Defqon.1 event that is from 3:00PM Friday 18th to 10:00AM Sunday 20th September.

Q-dance Australia contracted aquatic rescue and lifeguard services for the duration of the event to provide these services. Four rescue boats will be staffed by driver/lifeguards and each boat will be engaged to patrol the waters surrounding the event.

This year see the introduction of an "off-site" camping area linked by footbridge and a designated swimming area.

Rescue and lifeguard services will be provided by Wollongong First Aid, Emergency Medical Services Education and Training.

There will also be two forms of aquatic entertainment for patrons, as well as aquatic displays. These involve jet skis and "Jet Pack".

These arrangements are subject to the approval of the venue management.

The Aquatic Safety Crews will respond when required to persons in the water.

They will also provide monitoring of the vulnerable entry points where unlawful intruders could seek entry to the SIRC.

As a condition of entry to the event patrons are prohibited from entering the water and will be removed from the venue if found entering the water.

1.1 Event details

Name of the event:

Defqon.1 Festival

Date of the event:

Friday 18 – Sunday 20 September 2015

Venue:

Sydney International Regatta Centre

Address of Venue:

Old Castlereagh Road, Penrith

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NSW

Nature of Venue:

Rowing and Events Regatta Centre

Capacity of Venue:

30,000 tickets holders plus staff and support services

Lifeguard roster:

Friday: 4 x Lifeguards from 3pm and overnight to monitor camping area and bridge access

Saturday: 2 x Lifeguards from 7:30am to assist in the set-up of sound monitoring equipment. 8 x Lifeguards from 10am to midnight to service dance festival. Lifeguards to be available to transport static guards associated with the Logger A position.

Sunday: 4 x Lifeguards from midnight Saturday to 10am Sunday to monitor camping area overnight and bridge access

Event control:

The Event Control Room operates from 8:00AM– midnight on Saturday 19 September. Where issues arise outside these hours (i.e. during the periods of camping), the matter should be referred directly to SIRC Event Manager Philippa Dickson, who will be serving as the Chief Warden.

1.2 Description of the event

As noted above, Defqon.1 Australia is a dance festival that will have 7 stages representing their own styles in harder dance with a camping area Friday and Saturday nights. The festival commences at 11:00 am on Saturday 19 September and ends at 11:00 pm. Patrons will commence entering the venue at 10:30 am for a “soft opening” and the egress is expected to take approximately 90 minutes from the new end time of 11:00PM.

During the period between 9:00-10:00 pm is the event finale, featuring a pyrotechnic display launched from a barge on the venue’s competition lake.

In addition, campers will be present on the northern camp area overnight, necessitating precautionary measures in the event of anyone entering the water.

The Conditions of Entry for the music spectacular and the camping include a prohibition on swimming. Entry to the water by any patron will result in expulsion from the site. There will be a designated swimming area at the camp ground for campers and will be monitored by lifeguards

A condition of the Defqon.1 event DA is that the island perimeter will be bounded by fencing. This will consist mostly of 1m fencing, with 2m fencing in certain higher risk areas.

1.3 Patron details

The target audience is hard dance style enthusiasts with an estimated attendance of 22,000 people.

NB Please note that provisioning for this event may exceed 25,000 people in other event plans, eg medical and toilet facilities, where Q-dance Australia seeks to exceed minimum risk management requirements.

2. Planning for the Event

2.1 Consultation

Consultation between Key Stakeholders has consisted of emails, telephone calls and on-site meetings.

2.2 Plan users

Q-dance Australia
SIRC personnel
Wollongong First Aid, Emergency Medical Services Education and Training
H₂O Events - Aquatic safety contractor & Jet Ski rides
Jetpack Adventures
Howard & Sons
I-SEC Security
NSW Rural Fire Service
NSW Police
Auditoria acoustic consultants

2.3 Site Plan

A site plan has been developed showing the pyrotechnic exclusion zone, areas of operations and pontoons.

2.4 Risk assessment

The following risks are identified following previous event review and stakeholder consultation:

- Collision of vessels
- Unlawful entry of persons into SIRC venue, particularly under 18's
- Vessels entering pyro exclusion zone
- Potential of people falling into water
- Collision with wildlife
- Hypothermia
- Electrocutation
- Equipment eg acoustic equipment in water
- Blue-green algae (see SIRC blue-green algae guideline attached)

- Sting or bite eg eel
- Person fall from bridge
- Swimmer missing at swimming area

3. Operations

3.1 Scope of water safety activities

2015 sees the camping ground moved off the island and to the north on a grassed area of the SIRC bounds. The camping ground and approved swimming area will be connected by bridge

Four rescue boats will be required and each boat will be engaged to patrol the waters surrounding the event.

As a condition of entry to the event patrons are prohibited from entering the water, unless in the approved swimming area during the designated times, and will be removed from the venue if found entering the water. The Aquatic Safety Crews will respond if persons are in the water, or there is a risk that they will imminently enter the water.

In the event that a person needs to be apprehended, rescued or retrieved from the water the following procedures will take place:

- At all stages of the procedure, all staff must act in a professional and responsible manner.
- The closest available aquatic rescue vessel will respond and make their way to the area
- The RFS vessel may be requested to assist, but is a second line resource and intended to remain out of the waterways unless specifically requested by the EOC to assist
- The crewman will notify event control of the location and request that land based security staff attend.
- The remaining rescue craft will maintain a heightened level of alertness, increase their area of responsibility and if needed be prepared to respond to the rescue area.
- If the person is in close vicinity to the shore and not in any difficulty then a verbal directive will be given to make way to the shore to be attended to by land based security.
- If the person is some distance from shore or in difficulty then they will be directed to raise one arm and the rescue boat will be manoeuvred in to the rescue position where the crew will grasp the persons wrist the person will be assisted in to a stationary boat and then taken to shore.
- First Aid and Emergency Medical Services for this event will be managed by First Care Medical Services.
- In the event that a patron is in need of first aid then they will be transported by boat if applicable to the jetty adjacent to the event Medical Centre. If needed the patron will be treated in place and first aid and/or ambulance services will be directed to the location

3.2 Surveillance and Security

The wide view site map clearly identifies the aquatic boundaries of the event and each rescue boat and crew will be assigned designated areas of responsibility. The rescue boats will actively patrol the areas of responsibility as a visible deterrent to people entering the water.

“Actively patrol” means that at all times life guards are conducting laps of the areas under surveillance, actively alert to any likely breach of the island perimeter fence line, or intruders attempting to enter the event.

Land based security staff will strictly enforce the no swimming policy.

In the event that either land based or aquatic based staff see patrons entering the water, the nearest available resource either land or water will respond to that location to remove the person, firstly from the water and then the event. Patrons will be removed from the event in accordance with security standard operating procedures.

3.3 Rescue and Water Retrieval

In the event that a person needs to be apprehended, rescue or retrieved from the water the following procedures will take place:

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- At all stages of the procedure all staff must act in a professional and responsible manner.
- The closest available aquatic based resource will respond and make their way to the area
- The crewman will notify event control of the location and request that land based security staff attend.
- The remaining rescue craft will maintain a heightened level of alertness, increase their area of responsibility and, if needed, be prepared to respond to the rescue area.
- The boat will be driven to a distance of no less than 2 boat lengths (8 – 10 m) from the person in the water.
- If the person is in close vicinity to the shore and not in any difficulty then a verbal directive will be given to make way to the shore to be attended to by land based security.
- If the person is some distance from shore or in difficulty then they will be directed to raise one arm and the rescue boat will be maneuvered in to the rescue position where the crew will grasp the persons wrist the person will be assisted in to a stationary boat and then taken to shore.
- If the person is unable to raise one arm then an unconscious patient pick-up will be conducted. The boat will be maneuvered close to the patient, the crew will grasp the patient’s hand and the person lifted into the boat, via an approved rescue procedure
- Where a patient is combative or refuses to board the boat then they will be escorted by the boat while they remain in the water. The position of the patron will be relayed at regular intervals to land based security staff. Once the patron makes their way back to shore they will be assisted by the land based staff. If the patient tires from swimming they will be assisted in to the boat.
- If the patron is placing themselves or other patrons at risk then the crew will call for assistance from another boat.
- The lifeguard from one boat will stop the engine and enter the water using a rescue tube and escort the patron to shore using recognised lifeguard rescue techniques.
- Person falling off the bridge single side and simultaneous sides: The rescue of these patrons would involve the designated craft responding to the person in the water and assisting them in to the craft, then transported to the closest

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SIRC Island Jetty for evaluation by medical teams and security. These extraction points to be highlighted on map and incorporated in any pre-event scenario practice.

- It is unlikely that a rescued injured person would be extricated to the bridge structure. If it was a case of a suspected spinal injury then the rescue crews would follow spinal injury extrication techniques and evaluate the safest way to transport patient. This might be to extrication points or to the bridge. With the bridge being 1100mm from the water this height is not considered unacceptable to the rescue crews. The rescue crews have previous experience in extrication and operation at these heights
- The rescue crews will evaluate the severity of any injuries and advise ECC of any decision. In most cases it would be acceptable to transport the patient to the Island Jetties for evaluation by medical staff

3.4 Environmental protection

It is a condition of entering the SIRC waterways that the following rules are adhered to without fail.

3.4.1 All vessels cleaned of aquatic plant matter

Any vessels that are brought onto the site must have been thoroughly cleaned and free of any aquatic plant debris.

3.4.2 Only specific biodegradable lubricant

Any 2-stroke vessels must use a biodegradable lubricant e.g. Castrol Bio-lube, in accordance with the Penrith Lakes Development Corporation (water managers of the Penrith Lakes) requirement.

3.5 Health and Safety

3.5.1 First Aid and Emergency Medical Services

First aid and emergency medical services for this event will be managed by First Care Medical (FCM), with assistance from Unimed and NSW Ambulance Service (ASNSW).

The initial response to water incidents will be by WFA. In the event that a patron is in need of first aid then they will be transported by boat to the jetty adjacent to the venue medical centre.

If needed, the patron will be treated in place and first aid and/or ambulance services will be directed to the location.

On notification by radio that a patron is in need of first aid, the EOC will deploy a Unimed response team, with assistance from FCM response paramedics if required.

Request for ASNSW attendance will be made after initial assessment, if required.

3.5.2 Emergency Procedures

In the event of a major emergency aquatic rescue, such as a collision, staff will respond where required under the guidance of the Major Incident Plan and as directed by the Water Safety Coordinator.

3.5.3 Power Craft

Power craft drivers are responsible for the safe navigation of a power craft throughout the contract period. They must remain vigilant at all times and have a thorough working knowledge of applicable state maritime rules and regulations and have current certification from Surf Lifesaving, Royal Lifesaving or employing organisation.

Power Craft Drivers must navigate their craft in a manner which does not cause injury or incident to patrons, crew or event staff. Speed must be kept to a minimum and any increase in speed would be related to an emergency or rescue situation. "Horseplay" or dangerous driving must be reported to the event safety officer and will result in immediate dismissal from duty and any grievance will be heard by a SIRC representative and a representative from the Event Management Team.

As a person in charge of a marine craft the Power Craft Driver has total discretion on the suitability of the person they are transporting and whether that person may need to wear Personal Flotation Devices or require further personal protective equipment. If there is any dispute or grievance, in the first instance the driver is directed to report by radio to security control.

The Safety officer will ensure all officials; crew or passengers are appropriately prepared for the marine environment.

Power Craft must remain a minimum of 8-10m (2 boat lengths) from any person in the water unless they are performing a rescue or involved in the specific task of retrieving a patron. When approaching someone in the water they must approach with extreme care using exceptional surveillance skills and the assistance of their crew. Drivers must be always in control and be aware of other swimmers in the water.

If a craft hits or is involved in a near miss of a patron in the water it must be immediately reported by radio to control. This is not only so first aid can be administered but also to ensure a report is given to event management.

3.5.4 Communication

Communication for this event will be via two way radio and aquatic resources will be under the control of Event Control.

On water communication between rescue craft may be via recognised hand signals or mobile phone (NB although water crews are advised mobiles cannot be relied on due to wireless congestion).

3.5.5 Noise

Sound levels at this event may be classified as very high and in some cases of prolonged exposure may cause headaches. To reduce the occurrence of this, aquatic staff should consider wearing hearing protection. Q-dance supplies free earplugs at the Medical Centre, or they can supply their own.

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Additionally, the maneuvering of craft to ensure maximum responsiveness to assigned area but in less noisy positions is encouraged.

3.5.6 Weather

The nature of an outdoor event means possible adverse conditions. Aquatic staff will be given appropriate personal protective equipment PPE and rest periods when required.

3.5.7 Food and Water

Aquatic staff will be supplied opportunity to consume food and water when needed.

3.5.8 Personal Protective Equipment

For this event the following PPE will be made available:

- Uniform – including hat and shirt
- Sunscreen
- Insect Repellent
- Sunglasses
- Wetsuit
- Wet Weather Jacket
- Tracksuit
- Hearing Protection
- Resuscitation Mask
- First Aid
- Gloves
- Lifejackets

3.5.9 Equipment and Resources

For this event the following equipment and resources will be used:

2 x Inflatable Rescue Boats (Day / Night Operations) supplied by SIRC (with propeller guards)

2 x Inflatable Rescue Boats (Day / Night Operations) supplied by Wollongong First Aid (with propeller guards)

2 x Rescue Tubes

4 x sets of high-powered portable marine spotlights for night time operations

3.6 Interaction with security personnel

Security personnel (particularly those tasked to perimeter security) should check waterways regularly to ensure that patrons are not using the waterways. In the event of a rescue, security personnel should assist lifeguards in any way required to coordinate an effective rescue.

Life Guards will be patched into the Security network to assist in the coordination of a rescue if required.

The procedures are as follows:

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1. Security personnel to inform lifeguard as soon as patron is found in water
2. Security personnel to request patron exits water
3. Security to assist lifeguard in extraction from water if necessary
4. Any patrons retrieved from the water must be referred to the medical centre for assessment by medics, and recording of their condition, including intoxication levels
5. Commence clearance and eviction from event site.
6. Call Taxi / Private Transport as necessary.
7. This may be delayed to morning if appropriate. (i.e. 01:00 – 06:00)

3.7 Rural Fire Service of NSW water fire-fighting vessel

The fire-fighting vessel of the Rural Fire Service is recommended to be on site for the event, primarily in the event of a grass fire on the northern shore of the warm-up lake. It will also be available if need to support the firefighting activities of Howard & Sons who have responsibility for first line of response in case the barge pyrotechnics ignite.

Rural Fire Service will remain on land, and the vessel will be moored, until such time as the Event Manager or Chief Warden initiate a response via radio.

This is to avoid the risk of collision with other vessels, or creation of wash which could affect the pyrotechnic barge.

3.8 Exclusion zones and limitations on movement

- The site map shows the exclusion zone around the pyrotechnic barge - this applies to all vessels other than the SIRC vessel staffed by Howard & Sons personnel.
- Jet Ski rides will take place only on warm-up lake, travelling under the approach bridge to the island and then returning via the same route as indicated on the site map.
- Aquatic safety crews will maintain their surveillance from positions outside of the pyrotechnic exclusion zone and the jet-ski course.
- Aquatic safety crews may be respond to incidents on any part of the lakes, including under and around the two bridges to the island. However, they must maintain radio or hand signal contact and keep look-out for other vessels.

3.9 Interactions between Jet Skis, Jet Pack rides and Jet Pack demonstrations

2015 will see the return of Jet Ski and jet pack rides for patrons, as well as professional jet pack performances. Consideration has been given as to how these three activities will safely co-exist.

Jetpack will launch from the northernmost jetty (wide map at T3) and H₂O Productions jet skis launching from adjacent jetty at (wide map at U4).

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A tent will be provided by Q-dance next to the Jetpack jetty, and will be used as a change room and equipment storage by Jetpack patrons.

Jet Ski rides will take place continuously from 11:00AM until 5:00PM.

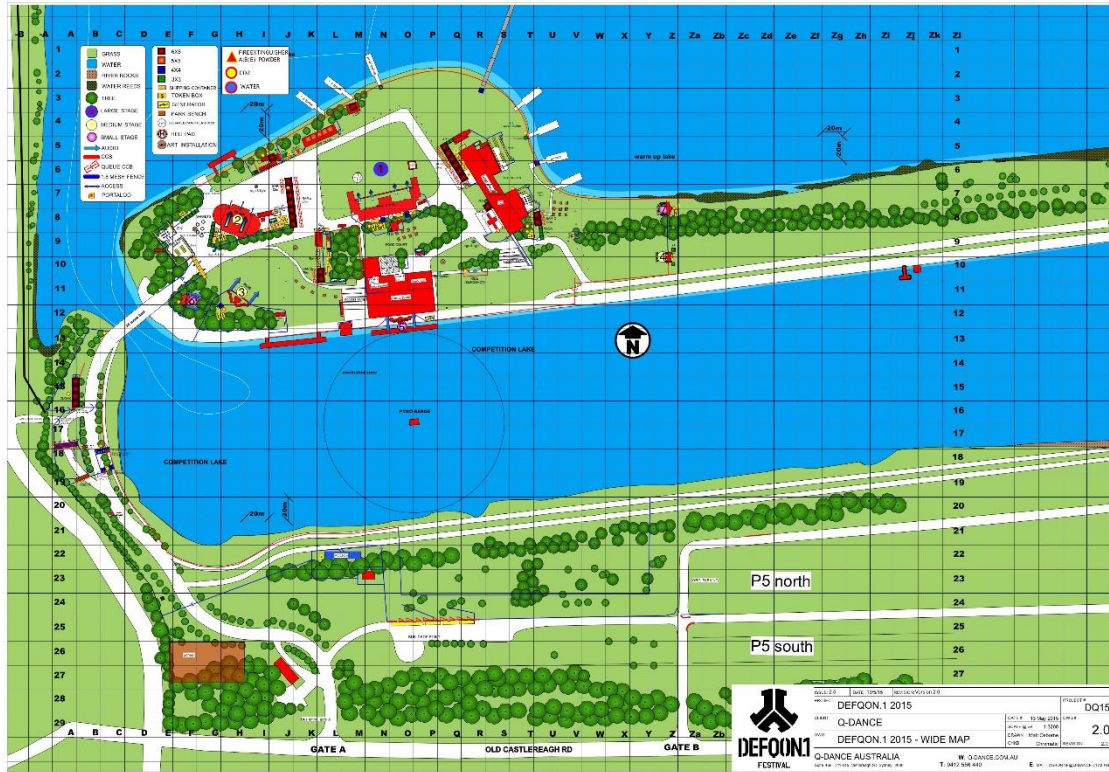
Jetpack professional demonstrations will take place according to the attached Show Schedule.

Only Jetpack professional demonstrations will take place on the Competition Lake. Jet pack patron rides will take place only on the warmup lake, with the operators having responsibility to maintain adequate watch and to ensure there is no risk of collision.

ATTACHMENTS

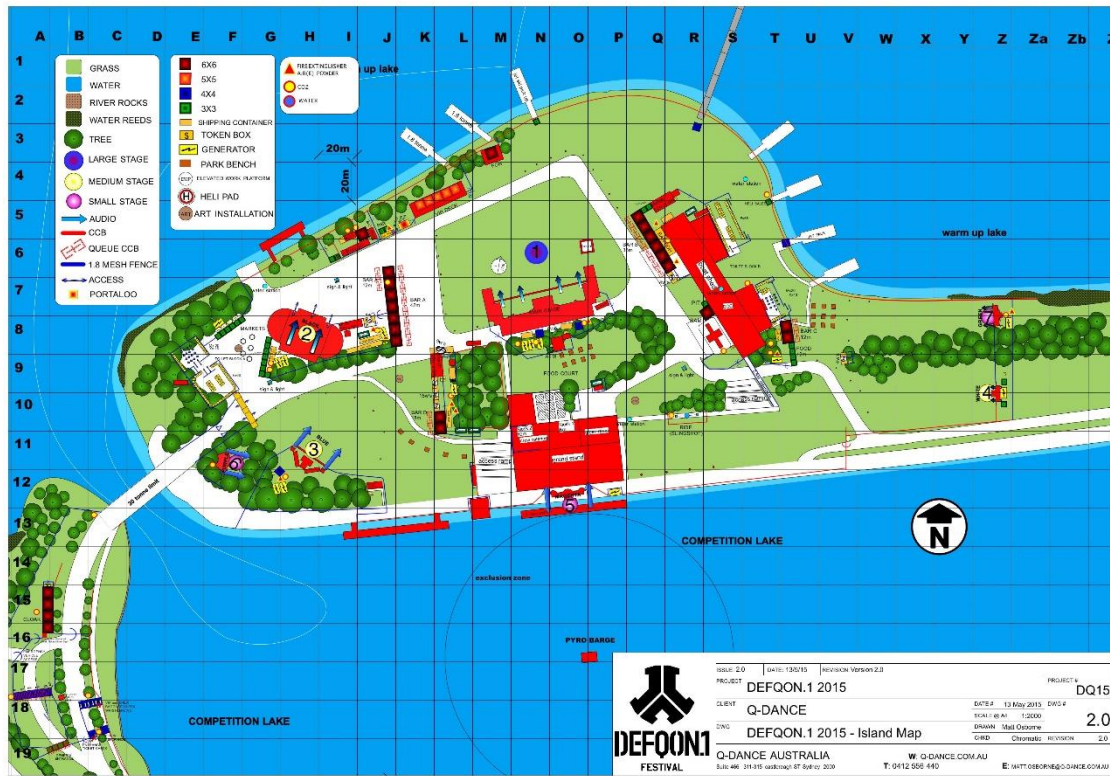
1. Wide Map V2
2. Island Map V2
3. Camping ext V2
4. Island and Nth Bank V2
5. Full V2
6. Lifeguard and Aquatic Rescue Deployment

Attachment 1 - Wide Map V2

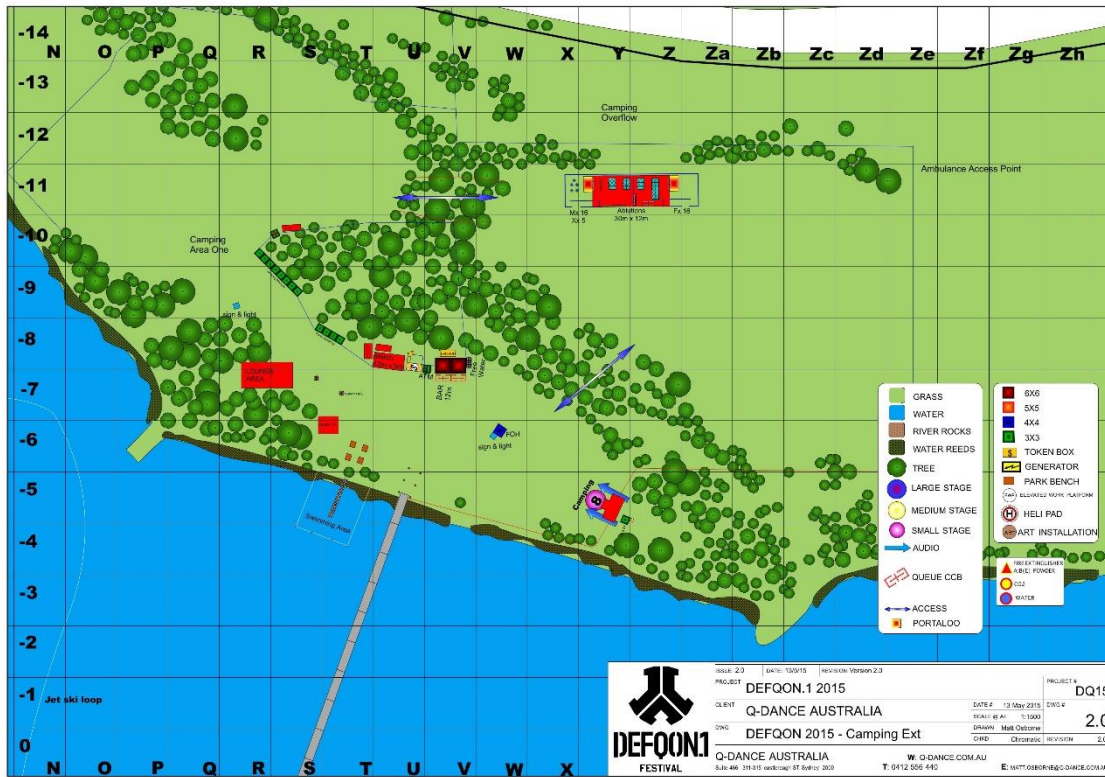


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Attachment 2 - Island Map V2



Attachment 3 – Camping ext V2



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Attachment 5 – Full V2



Attachement 6: Lifeguard and Aquatic Rescue Deployment

