

Event Information

(Bulletin 2)

*Oceania Orienteering Championships 2017, Auckland
and Middle Earth Carnival, Rotorua
New Zealand*



oceania2017.nz



'Middle Earth'
(ROTORUA)



April 19-20



This Bulletin is up-to-date at 1 April 2017.

A printed copy of Bulletin 2 will be provided to all competitors at Registration.

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1. Welcome

Welcome to Auckland and good luck as you compete in the 2017 Oceania Orienteering Championships, the largest orienteering event ever held in New Zealand.

Auckland is a great sporting city with a stunning natural environment. As you take part in the Championships you will encounter a variety of world class terrain: beautiful native bush, fresh water lakes, sweeping open farmland and sparkling coastline.

For those of you aged over 35, I hope you will use the Oceania Orienteering Championships as a prelude to the World Masters Games, giving you more time to spend exploring Auckland and discovering the fantastic sights, sounds and cuisines we have to share with you.

Auckland is a diverse and global city and we welcome visitors from all backgrounds and walks of life. I hope you enjoy your stay and wish you all the best.

Phil Goff, Mayor of Auckland

It is a great pleasure to welcome competitors and supporters to Rotorua for the Middle Earth Orienteering Odyssey. We are proud to be an official host city for the World Masters Games and are excited to be hosting this supporting event in our city.

Rotorua is the birthplace of tourism in New Zealand and we have always been famous world-wide for our Māori culture, geothermal landscape and lakes. More recently however our district has become the 'go to' place for extreme sports and adventure tourism. Visitors are able to partake in numerous activities on our lakes and waterways ranging from luxury lake cruises to braving the rapids in white water rafting experiences. Our mountain biking tracks are regularly recognised internationally for their excellence.

The Middle/Long Distance event will take place in the Whakarewarewa Forest one of our city's greatest treasures and internationally known for its superb mountain biking and walking tracks and for the magnificent stand of Californian Coast Redwoods. I am sure that competitors will be challenged and inspired by the beauty of this place.

We also look forward to the Sprint Distance event that will take place in our inner city parks and central business district. I am sure that this event will be of great interest to the residents of Rotorua and add to the vibrancy of our inner city.

During your time in Rotorua I hope that you have the opportunity to visit some of the iconic visitor attractions our city is famous for. Our people are known for their Manaakitanga – hospitality and I trust that your time with us will be a memorable.

Nāku iti noa, nā

Hon Steve Chadwick JP, Mayor of Rotorua

The Oceania Championships are playing an increasingly large role in the orienteering calendar. The development of Regional Championships plays a large role in the IOF's aims of making orienteering a genuinely global sport (it was especially pleasing to see the first official South American Championships take place last year).

The Championships have seen continued growth since they were first established in 2003, and the 2017 event promises to be the biggest yet. At the elite level, the fact that Oceania Championships success in the long and middle distance now brings with it a World Championships place strengthens the event further. It is, however, one of the great assets of the event that it provides something for everyone. Many of us in Australia already know that New Zealand sand-dune terrain is well worth crossing the Tasman for, and I hope that many more will take the opportunity that the 2017 event provides to have an international orienteering experience for the first time.

The 2017 Oceania Championships will play an especially large role in exposing New Zealand orienteering to the world. The influx of participants from outside the region, as a result of the event preceding the World Masters Orienteering Championships, should add a great deal to the event. At the time of writing, it seems likely that these events will be the largest events ever to take place in the Oceania region.

On behalf of Orienteering Australia, I would like to thank Orienteering New Zealand, and its member clubs and individuals, for the work they have done in putting on the 2017 events, and look forward to strong co-operation between our countries for many years into the future.

Blair Trewin, President, Orienteering Australia

Kia ora and on behalf of Orienteering New Zealand, I am delighted to welcome you all to Oceania 2017.

It is wonderful to see so many visitors from within the Oceania family competing over the four days on what traditionally has provided the opportunity for NZ to battle against their Australian counterparts. Whilst we value highly our relationship with OA and continually seek ways to further strengthen this, we are very much aware of and fully support IOF's longer term objective to grow our sport within the wider Oceania region and encourage increased participation from our Oceania neighbours.

For both home-based and especially overseas entrants, this year's Oceania is very special in that it is the first of three quality orienteering events to be in close proximity to Auckland over a two week period. I do hope that you make the most of the chance to experience the wonderful terrain offered within the Middle Earth events in Rotorua and for those eligible - the chance to participate in the World Masters Orienteering Championships(WMOC) being held within the Auckland World Masters Games.

It is clear from the number of entrants that many of you have had the foresight to follow this path and will undoubtedly experience something quite exceptional and hopefully memorable. A consequence of this will be the truly international flavour and feel of the events, made possible by the sizeable representation from many countries outside of Oceania.

Of course hosting major events involves considerable amounts of planning and input from what is largely a volunteer based sport. So let me thank on your behalf, the Orienteering Oversight Committee (who have been responsible for organising and delivering both WMOC and Oceania); the hosting Auckland Orienteering Clubs; Orienteering Bay of Plenty for Middle Earth and all the planners, controllers, and volunteers who have devoted hours of personal time to ensure we have a wonderful series of events.

David Turner, Chairperson Orienteering NZ Council

Auckland's three orienteering clubs have collaborated to organise these events. Taking the Oceania and World Masters Orienteering Championships combined, it will be the largest orienteering carnival ever held in the Southern Hemisphere, so this is an exciting experience for us! We hope you will enjoy the events we have arranged for you, and take away some special memories from New Zealand.

Martin Crosby	Sarah Steel	Nick Harris
President	President	President
Auckland Orienteering Club	Counties Manukau Orienteering Club	North West Orienteering Club

Orienteering Bay of Plenty is delighted to welcome competitors in the Middle Earth carnival to Rotorua. We hope you enjoy two days of orienteering in our beautiful forest and central city. Rotorua is famous for its thermal activity, Maori culture, and adventure activities. There is lots to do, and something for everyone, in New Zealand's Coolest Hot Spot!

Erin Swanson, Orienteering Bay of Plenty President

2. Organisation

2.1 Clubs

Oceania Orienteering Championships: Orienteering New Zealand through the Auckland Orienteering Club, Counties Manukau Orienteering Club, and North West Orienteering Club.

Middle Earth: Orienteering Bay of Plenty



2.2 Personnel

Orienteering Oversight Committee

Stephen Reynolds (Chair), Guy Cory-Wright, Nick Harris, Selwyn Palmer, Bruce Peat, Martin Peat, Phillippa Poole. Secretariat: Catriona McBean (ONZ)

Oceania Championships

Event Manager	Lactic Turkey Events – Shaun and Madeleine Collins
Arena Managers	John Parsons (Sprint), Jenny Cade (Long, Relay), Bruce Peat (Middle)
Organiser (Technical)	Stephen Reynolds
IT, Finish and Results	Martin Peat
Entries and Start Lists	Alison Comer and Lyn Stanton
Starts	Val and John Robinson
Information/ Registration	Maggie Salmon
Volunteers	Andrew De L'Isle
Bulletin	Phillippa Poole
Logistics	Trevor Carswell
Parking	Bruce Horide
Ceremonies	Nick Harris and Libby McLeay
Medical and Safety	Jam Medics
Mappers	Sprint: Rene Beveridge, Matt Ogden Long: Nick Hann, Russell Higham Relay: Mike Beveridge Middle: Paul Ireland, Wayne Aspin
Map production	Selwyn Palmer, Russell Higham, Marquita Gelderman

Middle Earth

Event Manager	Erin Swanson
Gear	Lyndon Haugh & Rhys Burns
Information/ Registration	Maggie Salmon
Volunteers	Raewyn Simpson & Rachel Smith
Starts	Louise Porteous
IT, Finish and Results	Martin Peat & Phillip Herries
Entries	Alison Comer & Lyn Stanton
Start Lists	Peter Swanson
Mappers	Hakan Svensson, P-O Derebrant, Nick Hann, Matt Ogden, Cam Tier, Matt Goodall

Course Planners and Controllers:

Event	Planner	Controller
Oceania Sprint	Dwayne Smith	Greta Knarston
Oceania Long	Rob Garden	Marquita Gelderman
Oceania Relay	Andrew Bell	Geoff Mead
Oceania Middle	Nic Gorman	Wayne Aspin
Middle Earth Long	Simon Addison	Chris Morris
Middle Earth Sprint	Tom Reynolds	Anna Gray

Event Advising (Oceania Championships)

IOF Senior Event Adviser:	Christine Brown (AUS)
National Controller:	Marquita Gelderman (NZL)

Oceania Championships Jury

Urs Höfer (SUI)	Graham Teahan (NZL)	Blair Trewin (AUS)
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Middle Earth Jury

Alistair Metherell (NZL)	Graham Teahan (NZL)	Michael Wood (NZL)
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IOF Council representative

IOF Vice President Mike Dowling (AUS)

2.3 Information and Contacts

The Oceania and Middle Earth website at <http://oceania2017.nz/> has the latest information.

Contacts - Oceania Championships

Event Manager	Lactic Turkey – Shaun and Madeleine Collins
Email	eventmanager@oceania.nz OR shaun@lacticturkey.co.nz
Competitor Enquiries	+64 27 506 8015

Contact - Middle Earth

Event Manager	Erin Swanson
Email	erinroberts08@gmail.com
Mobile	+64 21 386 977

2.4 Entries, Start Lists, and Changes

Start lists will be posted on the event website <http://oceania2017.nz/>. Prior to race day, any entry queries should be made to entryadmin@oceania2017.nz. For queries at the event, present in person to the Information Tent (bring your SI-card and race bib). Requests to change SI-cards are at no charge. Each request to change entrant details (email address, etc) classes entered or start times will attract a non-refundable \$NZ10 administration fee.

No refunds will be given for cancellations. Application to the organisers to accept cancellations and consider full refunds due to hardship or for some other reason should be made by emailing the organisers at entryadmin@oceania2017.nz.

3. Acknowledgments

The organisers are deeply grateful to the following, without whom this carnival would not be possible.

3.1 Landowners

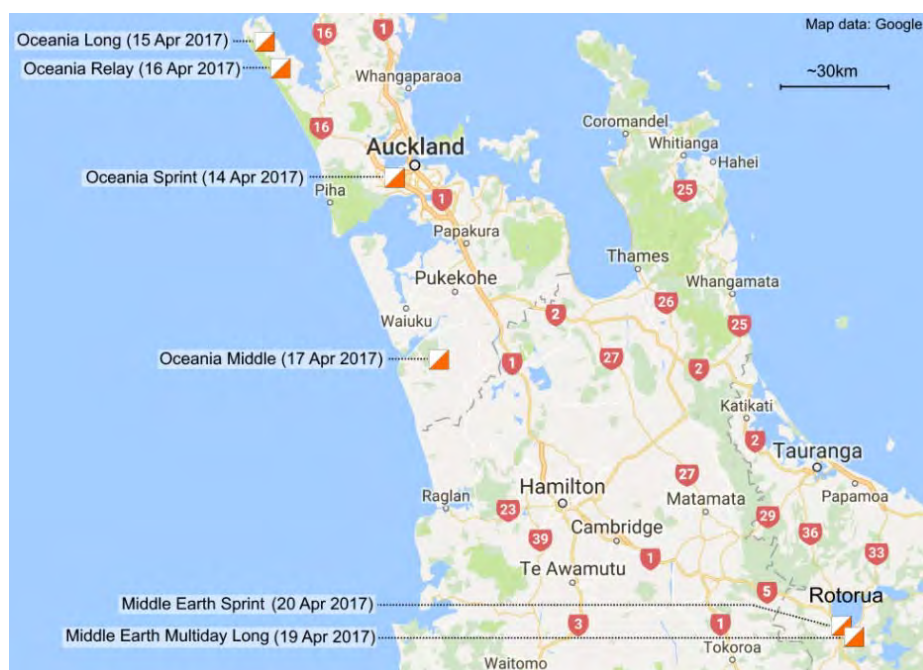
Oceania Sprint	Unitec Institute of Technology
Oceania Long	Ngati Whatua O Kaipara, Judy Bendall
Oceania Relay	Ngati Whatua o Kaipara, Leighton Farm
Oceania Middle	Hamish & Tess Ritchie, Kevin & Charmaine Powell, Alan Hayward
Middle Earth Multiday Long	Whakarewarewa Forest, Rotorua Lakes Council
Middle Earth Sprint	Rotorua Lakes Council, Rotorua Energy Events Centre, QE Health Spa, Rotorua Arts Centre, Ball Busters Government Gardens Golf

3.2 Sponsors

For Oceania 2017, the Auckland Council generously funded two maps, Ototoa (Long) and Kereta (Relay). For Middle Earth, generous grants were received for mapping and equipment from the Rotorua Lakes Council and the Rotorua Energy Charitable Trust.



4. Event Locations and Schedule



Oceania 2017 takes place in the Auckland region, home to 1.5 million people, about a third of New Zealand's total population. On an isthmus between two harbours and dotted with over 50 volcanic cones, it is one of the world's most spectacular and diverse cities.

After the Oceania Middle event on Easter Monday, competitors head south east towards the Middle Earth events in Rotorua, approximately 200 km and three hours by road from

Auckland. Home to the Te Arawa people, Rotorua is renowned for its lakes and geothermal activity, making it a major tourist destination.

It is strongly recommended that those taking part in Middle Earth events head South after the Oceania Middle event on Monday, to avoid slow Auckland traffic at the end of the holiday weekend.

4.1 Detailed schedule for Oceania / Middle Earth

Thursday 13 April	17:00-19:00	Information/ Registration open	Gymnasium Building 174, Unitec, Mt Albert
	10:30-15:00	Information/ Registration open	Gymnasium, Unitec
Friday 14 April	13:00-15:30	Oceania Sprint*	Unitec, Mt Albert
	16:00	Medal Ceremony	Event Arena
	16:00	Course closure	
	18:00	ONZ AGM	Building 023, Rm 1009, Unitec
	08:00	Event Arena opens	Event Arena
	08:00-16:00	Information/ Registration open	
Saturday 15 April	09:30-15:30	Oceania Long*	Woodhill Forest
	14:00	Relay Teams deadline	Information Desk
	15:30	Medal Ceremony	Event Arena
	15:30	Course closure	
	08:30	Event Arena opens	
	08:30-12:30	Information/ Registration open	Event Arena
Sunday 16 April	10:30	Relay briefing	Event Arena
	10:45-14:30	Oceania Relay	Woodhill Forest
	13:30	Medal Ceremony	Event Arena
	14:30	Course closure	
	08:30-14:00	Information/ Registration open	Event Arena
Monday 17 April	09:30-14:00	Oceania Middle*	Ponganui Rd, Onewhero
	14:00	Medal Ceremony	Event Arena
	15:00	Course closure	
	07:00-16:30	Information/ Registration open	Event Arena
Wednesday 19 April	09:00-16:00	Middle Earth Middle/Long	Whakarewarewa Forest, Rotorua
	16:00	Course closure	
	18:00-21:00	Te Puia social event	
	07:30-12:00	Information/ Registration open	Event Arena
Thursday 20 April	09:00-11:00	Middle Earth Sprint	Rotorua Energy Events Centre
	13:30	Course Closure	
Friday 21 April	08.00-17.00	WMG accreditation	Queens Wharf, Auckland
	19.30 -21:00	Opening Ceremony WMG2017	Eden Park

*For M/W 21E, the Oceania Sprint, Long and Middle are World Ranking Events (WRE).

The AUS-NZL Challenge takes place over the Oceania events (see Section 8).

During Middle Earth, there is an NZL-AUS Schools Test Match (see Section 8).

4.2 Medal Ceremonies and Titles

Medal ceremonies for the Oceania Championships (A grades and elite) will be held at the respective Event Arenas following each event. Only those who are members of Oceania Federations (currently Australia and New Zealand) may win Oceania titles. Those from other regions who have the fastest time will be acknowledged during the ceremony.

Gold, Silver and Bronze medallists in each championship age class should assemble in the specified area before the ceremony begins. From there, they will be called to the podium (men and women in the same age group together) to receive their medals. A grades will be awarded an Oceania medal. Elite grades will be awarded an Oceania medal and an IOF medal. Medallists will then return to the specified assembly area.

5. Registration

Registration will be open from 17:00-19:00 on Thursday 13 April at the Unitec Gymnasium, Building 174 at Unitec. This is between Entry 3 and Entry 4 on Carrington Road, Mt Albert. Parking is via Entry 3 or 4. Coordinates are 36.878876S, 174.710505E.

Registration will open again at 10:30 at the Oceania Sprint on 14 April (Good Friday) at the Gymnasium.

At Registration, competitors will collect:

- start number bib and safety pins (4)
- Printed copy of Bulletin 2
- Pre-paid parking vouchers for Woodhill Forest
- Any pre-ordered SPORTident cards or Southern Hemisphere compasses

Any outstanding charges must be paid in cash (NZD), or arrangements made for electronic funds transfer.

5.1 SPORTident rental

Without pre-registration the rental for SPORTident is \$NZ5/ day. If you have rented an SI-card for Middle Earth or WMG 2017 as well as Oceania, please hold onto the one you are first issued. Otherwise, return your rented SI-card after your last race in the box provided at the Finish, or the Information Desk. A charge of \$NZ90 applies for loss or non-return of rented cards.

5.2 Press and Media

Please contact the Event Manager prior to the event for access. At the venue, report to the Information Desk. Media representatives have access to results, and to designated spots for taking photographs.

6. General Information

Accommodation

Auckland offers a wide range of accommodation options, from luxurious resorts and 5-star international hotel chains, to bed and breakfasts, holiday homes for rental, backpackers and camp sites.

Eateries/Supermarkets

Auckland is a cosmopolitan city with restaurants, cafes and shops offering food from every corner of the world at a wide range of prices. Convenience stores in the inner city and supermarkets and shopping malls further out are open 7 days a week. Note: non-essential businesses will be closed on Good Friday 14 April, Easter Sunday 16 April and the morning of Anzac Day 25 April, so stock up on supplies before these days.

Climate

In the north of the country, Auckland (36.8°S, 174.7°E) enjoys a sub-tropical climate, with average low and high April temperatures of 15°C and 20°C (59°F and 68°F) and a mean rainfall of 100 mm.

New Zealand is a small landmass surrounded by ocean and the weather is therefore quite variable and prone to rapid changes. Come prepared for rain or shine.

Time zone

New Zealand will be using New Zealand Standard Time (NZST, “winter” time), which is 12 hours ahead of Coordinated Universal Time, UTC (formerly GMT).

Travel visas

Visitors from overseas may need a visa to enter New Zealand. The New Zealand Government’s visa information website provides details <http://www.immigration.govt.nz/migrant/stream/visit/>.

Risk and insurance

Each athlete participates at their own risk. Travel insurance is recommended, including health coverage.

Exploring Auckland and further afield

For ideas, inspiration and more information check out the “destinations” link on www.worldmastersgames2017.co.nz and the Tourism New Zealand site www.newzealand.com/int/

7. Transport/Parking

There is no orienteering-specific transport being arranged for any event. Competitors are responsible for getting themselves to each event on time. Hence, the organisers emphasise the importance of planning journeys carefully. Options and recommended routes are in the information for each event. Carpooling is encouraged for all events.

It is possible to use Public Transport and walking to get to the Oceania Sprint event. Use the Auckland Transport on-line journey planner to plan your route at <https://at.govt.nz/bus-train-ferry/> but ensure you look at the public holiday schedule.

7.1 Parking vouchers for Oceania Long, Relay and Middle

Parking for private vehicles for these three events needs to be pre-booked allow access to the parking areas to within 500 m to 2.5 km of the Event Arenas. Pre-booking is on a ‘per vehicle’ basis, with no restriction on the number of people in each vehicle. This is to encourage carpooling. Parking Vouchers MUST be shown to marshal at the venue gate to gain entry. If you did not purchase vouchers on line by **31 March 2017**, you may purchase at the Oceania Sprint.

Parking vouchers are not required for Middle Earth.

Costs per event:

Car 4WDs and Campervans	\$7	(regardless of number of occupants)
Tour bus 30 -35 seater	\$35	
Tour bus 50-60 seater	\$60	

If you are intending to bring children under 5 years old and will be making use of the shared child care facilities, please ask for a Blue parking voucher.

Voucher colours:

Green → Cars, 4WDs, minivans etc
Blue → Crèche

Red → Officials, Concessions
Yellow → Buses

8. Competition Information

8.1 Rules

All championship races will be run in accordance with the Competition Rules for IOF Foot Orienteering Events (2017 Edition). This may be downloaded from <http://orienteering.org/foot-orienteering/rules>.

8.2 Fair Play

All competitors shall behave with fairness and honesty. Attempts to gain any information related to the courses, beyond that provided by the organiser, is prohibited before and during the competition. It is forbidden to bring any previous maps along to the event arenas. A competitor who breaks any rule, or benefits from the breaking of any rule, may be disqualified.

8.3 Anti-Doping

Doping is strictly forbidden. Drug Free Sport NZ is the National Anti-Doping Organisation in New Zealand and is responsible for ensuring athletes and sporting organisations comply with the WADA Code and for enforcing compliance with this Code via the Sports Anti-Doping Rules (SADR). For more information see www.drugfreesport.org.nz. Orienteering NZ will work with DFSNZ or the IOF within New Zealand to facilitate any in-competition testing. All athletes competing in Oceania 2017 are required to comply with the Sports Anti-Doping Rules published by DrugFree SportNZ and should expect in-competition testing. Per IOF rule 26.3, it is the responsibility of competitors to obtain any required TUE (therapeutic use exemption) certificate.

8.4 Race Clothing and Shoes

Sprint events: Running shoes are preferable. Rubber studs are allowed, but metal-tipped studs are forbidden. Shorts or O-suits are both suitable.

For the Oceania Long event: **Full leg cover is compulsory and full body cover is highly recommended.** If wearing $\frac{3}{4}$ pants, gaiters or knee length socks should also be worn so no skin is exposed. Competitors will be checked before they can proceed to the start to ensure they have full leg cover. Eye protection should be strongly considered.

For the Oceania Relay: lower leg cover is highly recommended. You may prefer long sleeves to protect your arms from pampas grass cuts.

Orienteering shoes with rubber or metal-tipped studs will be best in the forest. Spiked shoes are forbidden in all competitions.

It is recommended that a whistle is carried for safety purposes, especially in the Oceania Middle.

8.5 Refreshments

All events will have water available at the Event Arena and the Finish. The Oceania Long, and Middle Earth Middle/Long are the only events with water stations on course. These will be shown on the map with the cup symbol.

8.6 Following young children

If parents wish to shadow their child around their course, the child must be entered in the "Open Very Easy" class, not M/W10. Both classes compete on the same course, with a level of difficulty of "White" according to ONZ Rules, but to be eligible for Oceania titles the child must complete the course unaided. It is not allowed to shadow a child in the M/W10 class.

Any person shadowing a child must complete their own course first. Open Very Easy competitors will be allocated start times but may punch start instead if their shadower does not make it back in time.

8.7 The Australia-New Zealand Challenge (AUS-NZL Challenge).

The Challenge consists of an Individual Challenge, based on the Oceania Long Distance, Middle Distance and Sprint Distance Championships, and a Relay Challenge, based on the Oceania Relay Championships.

Each nation's team will consist of three competitors in each Challenge age class. The same three runners will compete in each individual challenge and the relay challenge. In each Challenge class, for each nation the times of the two fastest team members are added to give the team time. The nation with the lower team time is the winner of the class. The nation with the most class wins is the winner of the Individual Challenge (Challenge Cup).

For each Relay Challenge class, the winning nation is the nation whose Challenge team is the faster. The nation with the most class wins is the winner of the Relay Challenge (Brown Memorial Trophy).

8.8 New Zealand-Australia Schools Test Match

This exciting challenge takes place at the Middle Earth events in Rotorua on Wednesday and Thursday 19-20 April. On 20 April, the Test match will be a Sprint Relay. Teams of 2 boys and 2 girls run in the order girl-boy-boy-girl. NZL will have 2 Senior teams and 2 Junior teams and Australia the same. Seniors and Juniors will both run together. The Sprint Relay will be open to regional (NZL) and state (AUS) school teams.

8.9 Maps

All Oceania 2017 competition maps have been printed on synthetic waterproof tear-proof paper (115 gsm Teslin) and drawn according to IOF ISSOM or ISOM specifications.

Oceania Sprint	Map size A3. Scale 1:4,000; contour interval 2.5 m. Mapped in 2015 and re-surveyed during 2016-17
Oceania Long Distance	Map sizes A3 or A4. Scale 1:15,000 for M/W18-35 (except 35AS), 1:10,000 for M/W10-16 and M/W40+; contour interval 5 m. Mapped in 2015-17
Oceania Relay	Map size A4. Scale 1:10,000; contour interval 5 m. Mapped in 2016
Oceania Middle	Map size A4. Scale 1:10,000 for M/W18-35 (except 35AS), 1:7,500 for M/W10-16 and M/W40+; contour interval 5 m. Mapped in 2015 and resurveyed in 2017
Middle Earth Middle/Long	Map size A4. Scale 1:10,000 and 1:7,500, contour interval 2.5 m. Mapped in December 2016.
Middle Earth Sprint	Map size A3 or A4. Scale 1:5,000; contour interval 2.5 m. Mapped 2015-2016 and resurveyed in 2017

Copies of old maps are found on the respective event page under Programme on the Oceania website.

8.10 Embargoed areas

Oceania Championships

Embargoed areas may be found at <http://oceania2017.nz/information/>

The Sprint competition area at Unitec is embargoed on the day before the competition day from 06:00 until the competition is over, except for the areas shown on the map in Section 12. Competitors, team officials and other persons, who through knowledge of the terrain, may influence the results of the competitions, are permitted to access the embargoed area until further notice; however use of orienteering maps, running training of all kinds and route choice testing are not allowed in the area.

Competitors are not allowed to re-enter the Sprint area after they have finished their race and before the last competitor has finished his or her race. At all times, respect locals, private property, fences and walls.

The Long, Relay and Middle race competition areas are embargoed. As these are on private property, any attempt to survey, walk or train in the competition areas is forbidden. Having crossed the finish line, a competitor must not re-enter the competition terrain without the permission of the organiser. This includes the Start and Finish areas.

Middle Earth

The Middle Earth Middle/Long area is embargoed from 08:00 Tuesday 18 April.

The Middle Earth Sprint area is embargoed from 05:00 Thursday 20 April (see map in Section 17).

8.11 Course winning and maximum times

Oceania Championship courses will be set to meet IOF recommended winning times. (Competition Rules- IOF Foot Orienteering Events-Rule 16.11). The course closure times take into account IOF maximum running times: Sprint distance, 1 hour; Long distance is 3 hours; and Middle distance, 2 hours.

8.12 Start Number Bibs and Start Draws

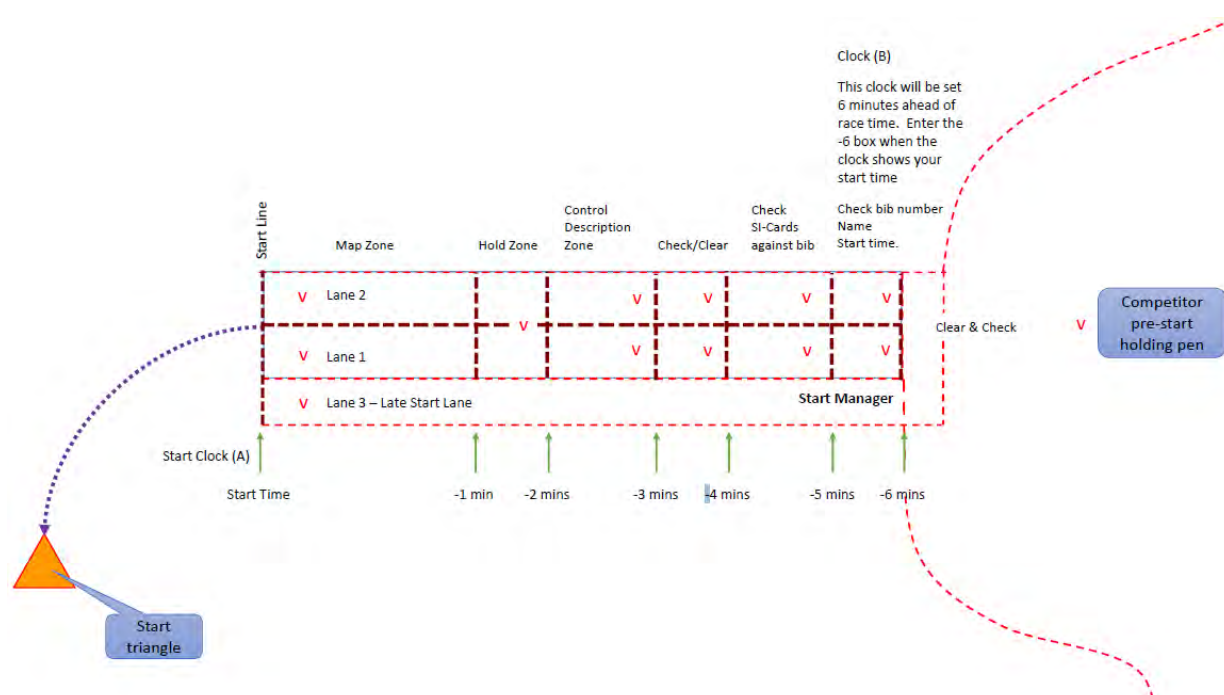
Every Oceania competitor will be issued with a numbered bib which must be worn on the chest for each race, and visible as a competitor crosses the Finish. The same bib will be used for Middle Earth so hold onto it! Lost bibs may be replaced at Information/ Registration for \$NZ10.

Information on bibs will consist of the competitor's name, Federation, age class, SPORTident number and start times for the Oceania Sprint, Middle and Long races. **Every competitor is asked to complete the back of his or her bib with health data and an emergency contact. This information could be helpful for the medical team in case of emergency.**

The start draws are conducted in accordance with IOF Rule 12.19. Start lists will be available at <http://oceania2017.nz/>, at the Event Arenas, and at each prestart.

8.13 Start Procedure

Each runner is responsible for following the correct marked route to their start area. The competition area is out of bounds until your start time. Distances to the start are specified for each race. Every starting procedure is a silent process, and it is the runner's responsibility to be there on time!



V = start marshal

Before the entrance to the first box (-6 min) SI-cards must be cleared and checked.

In the Start area, runners will pass through six consecutive starting boxes, and remain one minute in each one. When clock (B) in front of the first start box (-6 min) displays the runner's starting time, the runner steps in. This will be 6 minutes before the start. At this point the bib number and the starting time are checked. Runners without an SI-card or without a bib will not be allowed to start.

In the last minute before the start time, the competitor steps over the line into the -1 min box (the one with the maps). When entering the box, the runner proceeds to the map issue box labelled with his/her correct course and waits beside the map pocket for the remaining part of the minute. Race time is visible there via clock (A). There will one beep at 30 secs then the start countdown will be indicated by a series of 6 beeps at -5 to 0 seconds. At the last (long) beep the competitor's race time begins and the runner can take the map from the map pocket. The runner is responsible for taking the correct map.

Runners must then follow the marked route to the start point which is indicated by a control stand with flag in the terrain and a triangle on the competition map.

8.14 Late Start

Runners who arrive the prestart less than six minutes before their designated start time must report to and use the late start lane where an official will accompany him/her. The SI-card has to be cleared and checked along the lane. If possible, the competitor will then be directed into the correct box of the start grid and start normally. Otherwise control descriptions and the competition map will be handed out by a Start official. The competitor then starts the race when told to do so (IOF Rule 22.9) and a Start official takes a note of the actual starting time. The results of runners who start late will be based on their original start time (with no time compensation). Only if their lateness is the fault of the organiser will their actual race time be used (IOF Rule 22.10).

Any runner who is late, whether through their own fault or otherwise, should not discuss this with the start officials. Instead, if the competitor believes the organiser is responsible, he/she should make a complaint after finishing the race at the Information Desk.

8.15 Controls

Each control is equipped with

- the control flag
- one electronic punching station (SPORTident (SI) unit) with two SPORTident units in high traffic controls (e.g. last control)
- one pin punching device, only to be used if the SI unit fails

The control code is located on top of the SI unit. Some controls will be equipped with radio transmitters to signal unofficial split times to the commentary team and results display. There are many controls in the competition terrain. Please make sure always to check your control codes.

8.16 Control Descriptions

Control descriptions will be printed on the front side of all competition maps. Loose copies of the control descriptions will be available in the start lanes as part of the start procedure. Competitors have one minute to choose and prepare their control descriptions. At the start, there is no tape or other equipment available to prepare control descriptions. The maximum length of the loose control descriptions is 37 controls (245 mm, or 220 mm if fold off title rows). Courses with fewer controls will have proportionately smaller sheets.

8.17 Electronic Punching system

The SPORTident (SI) punching system will be used in all races. You will need an SI-card. SI-cards may be hired from the organiser by selecting this option when registering. Contactless punching will not be enabled

on any controls. You may use an SI-Air card, but it must be inserted into each control to record a punch; the touch-free functionality will not be in operation.

The M21E class at the Oceania Long has 37 controls. Competitors in M21E who own a lower capacity SI-card (Series 5 or 8) must notify the organisers well before the start of Oceania to receive a higher capacity rental SI-card to use for all Oceania and Middle Earth events. There will be no charge, and the card should be returned when no longer needed. Potentially affected competitors have been contacted. If you may be affected but have not received an email, please contact entryadmin@oceania2017.nz. Series 5 and 8 SI cards are numbered 0-499,999 and 2,000,001 – 2,999,999.

Clear and Check

Each SI-card must be cleared and checked before each race. Stations to clear SI-cards will be located outside the entrance to the -6 min start box. Insert your SI-card and wait a few seconds until the “clear” unit beeps and flashes, verifying that previous data have been deleted. After clearing your SI-card, place the SI-card into a “check” unit where the “check” unit will beep and flash immediately, confirming that the SI-card is ready to use. Start staff will be present to assist you.

At Each Control

All controls are equipped with a SPORTident (SI) unit. You may use either of the units where there are two. Insert your SI-card into the control unit until the unit beeps and flashes. The red light and beep do not guarantee that the competitor is at the correct control. This should be checked in the usual manner by reading the control code on top of the SI unit.

If you do punch at an incorrect control, simply continue to the correct control; the extra punch will be disregarded by the results software.

If the control unit does not function (there is no beep and no flash) then use the pin punch attached to the control stand and punch on your map in one of the spaces provided. If you have pin punched any controls on your map you must hand the map in at the Problem Desk before leaving the Finish area and explain what you have done.

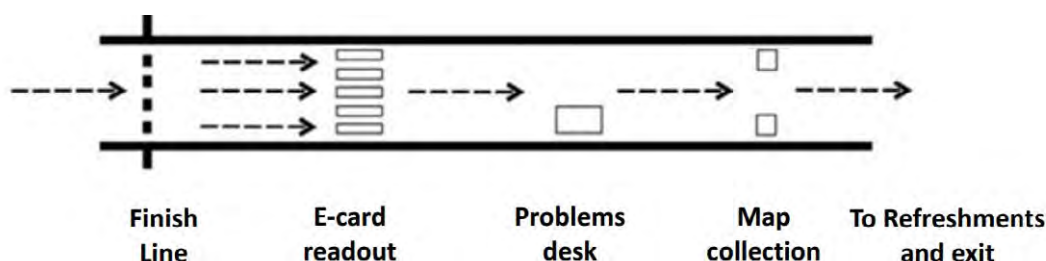
8.18 Finish Procedure

All runners are required to pass and punch one of the SI units at the Finish Line, including those runners who do not complete the whole course. Your bib number must be clearly visible as you cross the Finish line. The runner must then download his/her SI-card at one of the manned readout stations. The system will verify that all controls have been visited in the correct order. As a confirmation of the completed readout, a slip with the race time and the split-times will be printed out. If you are using a rental SI-card and this is your last race, please return your SI-card in the box provided.

Runners who do not punch at the Finish line will be considered as ‘missing on the course,’ which may cause a search for the missing person.

There is a Problem Desk for solving mispunches and handling problems regarding SI-card readout.

All maps are collected at the finish in all races. After map collection, the runner is free to go for refreshments.



8.19 Map Reclaim

Maps may be reclaimed at the Finish area only after the last competitor's start. Competitors re-entering the map collection area before map reclaim has been authorised will be automatically disqualified.

8.20 Results

Individual split times and race time will be given to each competitor after crossing the finish line. Live provisional results will be on display at each Event Arena. This will include information from radio controls. Via a local Wi-Fi network, competitors may view results on their own devices such as smart phones, tablets or laptops. The official results lists will be displayed as soon as possible after the event on <http://oceania2017.nz/>. This will consist of results lists, split-times (Winsplits), and Routegadget.

8.21 Commentary

Race commentary will be supported by feeds from O-Lynx radio controls and as such will be 'unofficial' times. Race commentary will provide news and results in English. Experienced commentators who may wish to provide additional commentary, including short spells in languages other than English, are requested to register their interest with the Results team.

8.22 Disqualification

If a runner misses one or more controls, or the controls were not visited in the correct order, the runner will be disqualified. Passing or crossing obstacles that are forbidden to pass/cross in Sprint orienteering (see Sections 12 & 17) will lead to disqualification. Also being in or 'visiting' forbidden areas leads to disqualification (even hesitation and returning back shall lead disqualification).

8.23 Complaints and Protests

In accordance with IOF Foot O rules 27 and 28, complaints and protests may be made in writing (in English), using the appropriate forms which are available at Information Desk in the Event Arenas.

Complaints should be handed into the Information Desk within 30 minutes of finishing. The organiser will make a decision and notify the complainant as soon as possible. There is no fee for a complaint.

If the complainant is not satisfied with the organiser's decision, then, within the next 15 minutes, a protest may be lodged at the Information Desk. Protests will be forwarded to the IOF Senior Event Adviser, who will convene the jury. After due consideration, the jury will communicate their decision to the complainant. A protest fee of NZ\$80 (€50) is payable when a protest is lodged. This will be returned if the protest is accepted. If a protest is signed by more than one competitor, then each shall pay the protest fee.

8.24 GPS equipment

As per IOF rule 21.4, competitors shall not use or carry telecommunication equipment between entering the prestart area and reaching the finish in a race, unless the equipment is approved by the organiser. GPS-enabled devices (watches etc.) can be carried provided that they have no map display and are not used for navigation purposes.

8.25 Training Opportunities

There is no pre-event access to venues for the Oceania Long, Relay or Middle events. Competitors are encouraged to check out the likely terrains through pictures on the Oceania 2017 website and in this video <https://www.youtube.com/watch?v=b6py-69XXNM>.

9. Health and Safety

9.1 Driving and Vehicle Security

Driving is on the left side of the road. In general, there is a speed limit of 50 km/h in the city, and 100 km/h on open roads and motorways, but be aware of reduced speeds and traffic control around towns and where there are roadworks. Some routes to events include narrow gravel roads, so allow for this in determining the drive time.

ALWAYS

- Keep to the left
- Drive below the posted speed limit and at a speed that suits the conditions
- Stay on the signed routes to and from events, except in an emergency
- Park as directed, to keep roadways clear for emergency access
- As a pedestrian, check again to the right before you cross any road

Unfortunately, theft from cars and campervans is common in NZ. Do not leave passports or other valuable items in unattended vehicles in public areas. Keep all bags out of view.

9.2 Personal Responsibility and Safety

The organisers ask that competitors use common sense in ensuring their own safety at all times.

Competitors must consider any risks and take their own safety precautions, and will be totally responsible for any injuries which might occur to them during the races as well as for any accidents on the way to and from any event during Oceania or Middle Earth.

To reduce unnecessary pressure on First Aid services at the events, it is suggested competitors bring their own basic first aid kit and sports tape. The sun in NZ is strong, even on cloudy days in autumn. Competitors are recommended to apply sunscreen regularly.

Wasps can be a problem, so if you are allergic, bring your necessary medication.

Open fire or smoking is prohibited in all competition areas.

Check for specific hazards in the event information and on a Hazards Board at the Information Desk.

Carry a whistle for your own safety. The recognised distress signal is a series of six short blasts on a whistle. Use your whistle if you need urgent help because of an injury or distress. Pause and listen for reply and repeat to allow them to locate you. Remember that one blast on your whistle will ruin the event for everyone who hears it, because they will all stop orienteering and come looking for you.

Competitors are expected to render assistance on their course to anyone who is injured, has blown their whistle, and requires physical assistance. Please render assistance as needed, and make event officials aware of the issue, so as to organise the appropriate response.

To avoid initiating unnecessary searches after the event, competitors must punch the Finish SI unit even if they do not complete their course.

9.3 Paramedics and First Aid

There will be First Aid facilities in all Event Arenas. There are no First Aid locations on courses. Paramedics will be present at all events.

9.4 Emergency, fire, ambulance and police

If there is a life-threatening issue, **111** is the NZ emergency number for ambulance and rescue services, as well as the police. Be prepared to provide information such as the grid reference of the Event Arena or

medical details on the reverse of a competitor's bib. Also ensure you tell the Event Manager or Controller. Note: there is no cell phone coverage at the forest events, so you may need to drive until there is coverage.

If there is a force majeure episode prior to the event (e.g. weather, fire or earthquake), check the event website for details. If at the event, follow the directions of the Event Manager and Controller.

If required, the event website will be updated with weather warnings at: noon the day before the event; 18:00 the day before the event, and 06:00 on the day of the event.

Comprehensive Health and Safety plans are kept at the Sports/Games Info Desk.

The nearest (a) Urgent Care facilities and (b) Public Hospitals are:

Oceania Sprint	(a) White Cross St Lukes, 52 St Lukes Road, Mount Albert, Morningside 1025 (b) Auckland City Hospital, Park Road, Grafton
Oceania Long and Relay	(a) Westgate Medical Centre, 13E Maki Street, Westgate, West Auckland 0614 (a) White Cross Henderson, 131 Lincoln Rd, Henderson, Auckland 0610 (b) Waitakere Hospital, 55 Lincoln Road, Henderson 0610
Oceania Middle	(a) Pukekohe Family Health Care, 10 West Road, Pukekohe (b) Middlemore Hospital, Hospital Road, Otahuhu
Middle Earth Events	(a) Lakes Primecare, 1165 Tutanekai Street, Ph (07) 348 1000 (b) Rotorua Hospital, cnr Arawa Street and Pukeroa Road, Rotorua

10. Event Facilities

Each Event Arena will be set up to feel like a carnival atmosphere. Bring a picnic blanket, club tents, club and national flags, and loads of enthusiasm. Features in the Event Arenas include:

10.1 Information/ Registration

This will house the Information Desk, Registration and other services such as collection of SI-cards, compasses, parking vouchers, replacement bibs, relay organisation and lost property.

10.2 Telecommunications and cell phone coverage

At each Event Arena there will be a local wifi network for live results. You do not need a password.

Cell phone coverage is excellent at the Oceania Sprint and Middle Earth events, but poor to zero at the Oceania Long, Relay and Middle events.

10.3 Luggage area and Clothing return

It is possible to leave your belongings at a supervised luggage area in all Event Arenas. For the Oceania Long, Relay and Middle, gear is generally safe as these are not accessible to the general public. The luggage area will open one hour before the first start and be closed with the finish. While due care will be taken, the organisers accept no responsibility for lost or damaged property. Where there is a Clothing Return from the Start, items may be collected here.

10.4 Lost and found

Lost belongings will be collected and may be found at the Information/ Registration Tent.

10.5 Shops and merchandising

Grassy Knoll Outdoor www.grassyknoll.co.nz will be present at the Event Arenas with a limited stock of Southern Hemisphere Compasses, Control Description Holders and Icebug Shoes. There will also be a range of Trimtex clothing available, including limited stock of souvenir event orienteering shirts. As there is limited cell phone reception at many Event Arenas, cash is the preferred payment method, with online banking options also available. For any pre event enquiries contact info@grassyknoll.co.nz.



10.6 Child care

A dedicated space is available for young children. This will be clearly signposted from the Information Tent. This crèche facility is unmanned and therefore it is the parents' responsibility to ensure adults are supervising their children at all times. Those with young children may park closer to the Event Arena. For Oceania events, ensure you get a Blue Parking voucher.

10.7 Water

Water is provided at all Event Arenas, all Starts, the Finish. Paper water cups will be collected in vertical waste containers. Please use these.

10.8 Catering

There will be a range of food and beverages at each Event Arena. However, if you have special dietary needs we suggest bringing your own food to the venues. EFTPOS will generally be available; however this may not work where there is poor cellular reception. Please bring cash (NZD) to ensure payment.

The vendors at Middle Earth events in Rotorua are detailed in the competition information. For Oceania, the following will be in attendance:

Double Dutch Fries	Dutch hand-cut fries served in a cone with a selection of European-inspired sauces
Clinton Wells - Hotdog Caravan	American Hotdogs and roast meat meals
Clinton Wells - Ribs Caravan	BBQ ribs and burgers
Lalele Organic - Alfresco Foods Ltd	Organic Gelato, Sorbet , Cocolato- made from Trade Aid coconut milk (vegan) and Popolato Gourmet Vegan Popsicles
Waioneke School Fundraiser	Oceania Long only – range of home baked Kiwi treats

10.9 Toilets

Please always use official toilets. To do otherwise may jeopardise future events in these regions. See each competition section for location of toilets.

10.10 Waste and green thinking

The organisers aim to be eco-friendly and reduce waste where possible. The events run a 'Pack-in Pack-out' policy with respect to what you bring to the event, so if you carry it into the venue, we'd ask you to carry it out again. However, if you must dispose of waste, there are two kinds of different trash bins in Event Arenas with the appropriate signs. Please follow the signs and separate the waste into the correct bins.

1. Recycling: recyclable plastic and glass.
2. Mixed waste for Landfill: all other kinds of waste (incl. food waste).

11. Oceania Sprint Championships – Friday 14 April – Unitec “Carrington”

The Unitec Institute of Technology (Te Whare Wānanga o Wairaka) is one of NZ’s largest polytechnics. It occupies the grounds of a former lunatic asylum, known latterly as Carrington Hospital. At the northern end of the campus you will see the imposing brick hospital building built in the 1860s.

11.1 How to reach the Event Arena

Access to the Unitec Campus for all competitors and supporters must at all times be via Carrington Rd. Vehicle access to the campus is through Entry 3, opposite 108 Carrington Road, or Entry 4, opposite 154 Carrington Road. These are clearly signposted on Carrington Road.

Coordinates

Event Arena 36.879120S 174.709397E

Embargoed area



The entirety of the map except as shown above is embargoed. The area to the North of Entry 3 is embargoed. On Thursday 13 April, the visible area on the map to the right is accessible to all competitors to allow Registration at the Gymnasium (1). On Thursday, park in front of the Squash Centre (15 on Arena Map), or Gymnasium. On Friday 14 April, park as directed. A more detailed Event Arena plan is below.

Arrival by public transport

All public transport routes may be found by searching AT Journey Planner <https://at.govt.nz/bus-train-ferry/journey-planner/>

Train: From Britomart Transport Centre (city centre) Take train from Britomart (stop 135) to Mt Albert Train Station (stop 120), walk approx. 650 m to UNITEC Entry 4 (opp. 154 Carrington Road). The Mt Albert Station is on the Western Line. The Western Line can also be accessed from Newmarket

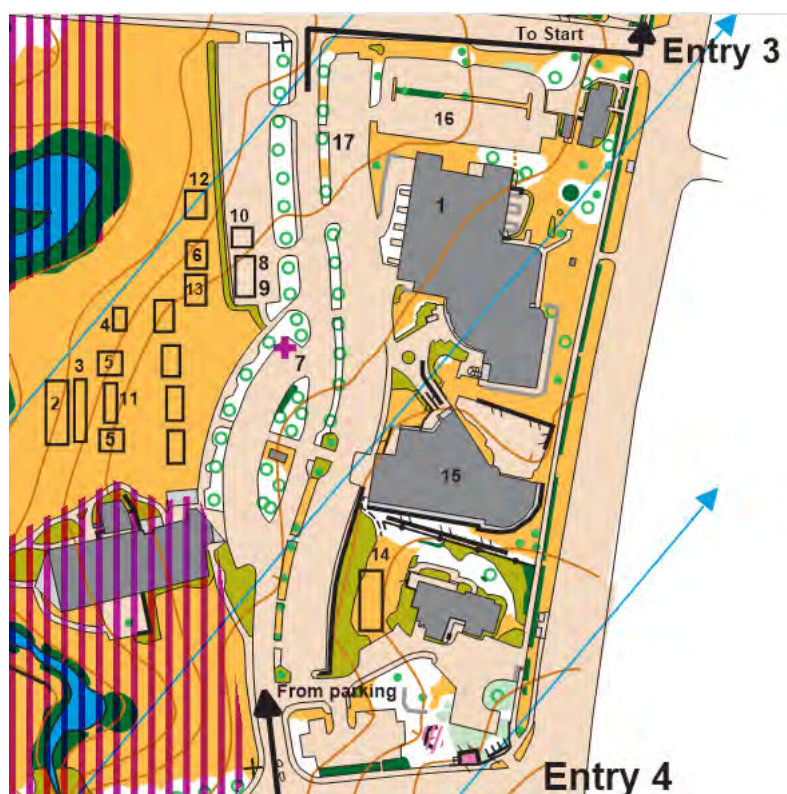
Bus: From Britomart Transport Centre (city centre). Walk 860 m to Wellesley St West (outside ASB bank), take the OuterLink bus Anticlockwise (stop 7006) to 126 Carrington Road (stop 8032), walk to UNITEC Entry 4 opposite 154 Carrington Road.

Arrival by private vehicle or coach

Coaches should enter via Entry 3 (opposite 108 Carrington Road). Parking for the Oceania Sprint is limited with some on the campus and the rest in nearby streets. Elite runners driving to the event should enter at Entry 3 (opp. 108 Carrington Road) and park in the car park on the left and to the north of the gymnasium. The gymnasium is the quarantine area for elite runners. Other runners enter at Entry 4 (opp. 154 Carrington Road) and follow the directional arrows to the car parks. Follow the taped route back to the Event Arena. This is a 400 m walk.

11.2 Event Arena

This is on the grassed area west of Recreation Drive (road between the Gymnasium and the Event Arena). The Elite Quarantine area is in the Gymnasium (1). The warm up area is Recreation Drive. A Subway store is located in the Squash Centre (15).



1. Gymnasium: Information/Registration and Elite Quarantine
2. Download
3. Map Collection
4. Water
5. Results
6. Clothing collection
7. First Aid
8. Coffee
9. Food Stalls
10. Retail
11. Sound/ Commentary
12. Volunteers
13. Promotional
14. Toilets
15. Squash Centre
16. Elite Parking
17. Bus Parking

11.3 Map details

Re-mapped by Matt Ogden and Renee Beveridge in 2016-2017. Contour interval 2.5 m. Scale 1:4,000. Map size A3. Previous map: Carrington 1:5,000, contour interval 5m, mapped to ISSOM by Martin Peat in 2005.

11.4 Start

First Start 13:00

Course Closure 16:00

There is one start. Access to the start is along Carrington Rd to the north of Entry 3 and will be signposted for all athletes from the Gymnasium (1). Everyone must keep to the footpath on Carrington Road and may use this to warm up. There is a toilet and water at the Start.

Quarantine

All M/21 Elites must be inside the Gymnasium before the first start at 13:00 on Friday 14 April. Facilities will be available within the Gymnasium. You may leave for the start area 30 mins prior to your start time.

11.5 Terrain description

Standard university campus combined with areas of open parkland and cultivated gardens. Mostly flat and fast running.



Area with forbidden access

Some courses will visit an area of community organic gardens. The gardens are drawn using ISSOM symbol 528.1 Area with forbidden access. You must use the small tracks between the gardens as shown in the picture. The tracks are either grassed or covered in granulated bark.



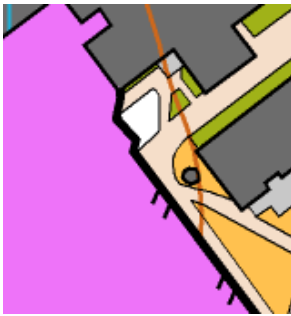
Man made object

There are some prominent manmade objects on the map. An example is pictured here. They are drawn using ISSOM symbol 540

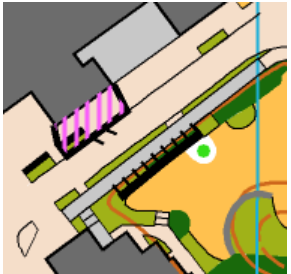
11.6 Forbidden areas / Out of Bounds

Any competitor who crosses areas which are marked on the map by ISSOM symbols as forbidden will be disqualified.

Forbidden to cross		Allowed to cross	
	Impassable body of water		Passable body of water
	Impassable cliff		Passable cliff
	Impassable wall		Passable wall
	Impassable fence or railing		Passable fence or railing
	Building		Canopy
	Impassable vegetation		Pillar
	Area with forbidden access		Vegetation: very difficult to run



The map has a significant area of construction which is indicated by ISSOM symbol 714 Temporary construction or closed area.



Smaller areas of construction or areas which are out of bounds for other reasons are marked with ISSOM symbol 709.

11.7 Hazards



There are some low chain fences that are not marked on the map. Sometimes they are hard to see when you are running fast. They are normally found at the edge of a grassed area next to a road as pictured here. Please be aware of these as tripping on them is not pleasant

The roads in and around the event are NOT closed to the public, and although it is Good Friday and a public holiday in New Zealand, there may be cars moving on the internal roads while the event is on. Cars have the right of way on roads; please be aware while you are racing. All cars will be warned that there are runners on the roads, but you need to take care when crossing and running along roads.

Competitors from countries where traffic drives on the right should take particular care and be aware the traffic in the nearest lane will come from the right, not the left.

Alexandra Park (the Auckland Trotting Club) is Auckland's home of harness racing, and is assisting us with parking for one of our events. They are holding a couple of race meets during the Oceania Orienteering Championship: an American Themed evening on Friday 21 April, including an all-you-can eat buffet; and their Autumn Trotting Carnival on Friday 28 April with an all-you-can eat buffet for only \$50. If you are looking for some excitement on a Friday evening, why not enjoy an evening with the horses. More information is available on www.alexandrapark.co.nz/racing/



11.8 Course/Class information

In accordance with IOF Competition Rules Foot Orienteering 2017 Section 16.3, the course lengths for the Sprint races are given on the optimal route (shortest distance a runner could take, going around all impassable obstacles) and have been measured as the length of the straight line from the start via the controls to the finish deviating for, and only for, physically impassable obstructions (high fences, lakes, impassable cliffs etc.), prohibited areas and marked routes.

Course	Classes	Length (km)	Climb (m)	Controls
1	M21E M20	3.6	50	29
2	M35 M21	3.3	50	26
3	M40 M18	3.2	50	25
4	M45 M16 W21E W20	3.1	45	25
5	M50 M21AS W35 W21	2.9	45	24
6	M55 W40 W18	2.7	40	22
7	W45 W16	2.6	35	20
8	M60 M35AS W50 W21AS	2.6	30	17
9	M65 W55	2.2	45	18
10	M70 M45AS W60 W35AS	2.1	40	18
11	M75 W65	1.8	25	15
12	M80 M55AS W70 W45AS	1.6	25	15
13	M85 W75 W55AS W80 W85	1.4	25	12
14	M14 M20B M21B W14 W20B W21B	2.5	50	23
15	M12 W12 OE	2.0	35	21
16	M10 W10 OVE	1.7	25	17

12. Oceania Long Championship – Saturday 15 April – Woodhill “Rototoa”

Lake Rototoa is the largest and deepest of a series of sand-dune lakes found along the Kaipara peninsula. Previously known as Lake Ototoa, its name was changed in 2014. Rototoa translates as 'Lake of the Warrior', and is part of a line of lakes known as 'the Footsteps of Kawharu' after the warrior Kawharu who fought with the Ngati Whatua tribe against the resident Waiohua, Ngaririki and Kawerau tribes in the late 17th to early 18th centuries. We are extremely fortunate to be allowed access to private land bordering the lake, complete with a beautiful bay, known locally as Honeymoon Bay, which is a great swimming spot in warm weather. Many thanks to Judy Bendall for hosting us on her land.

In addition to Food Truck offerings, catering at the Oceania Long distance will include classic Kiwi-style offerings from the local school, Waioneke School, as a fundraising event. The menu includes home baking such as Anzac biscuits, afghans, sweet and savoury scones, sausages with the works (rolls, slaw, caramelised onions, chutney etc), vegetable soup and rolls, snacks such as frooze balls, bagel crisps, Whittakers

chocolate etc etc. Sales will be cash only so please bring some extra dollars and support this small country school.

12.1 How to reach the Event Arena

Coordinates

Event Arena 36.521167S 174.234167E

Access Gate 36.521667S 174.239E

Arrival by private vehicle or bus

From the Auckland CBD: follow State Highway 16 (North Western Motorway out of the city) for approximately 45km through Kumeu and Waimauku and towards Helensville to the junction (roundabout) with Parkhurst Road. Turn left onto Parkhurst Road and drive through Parakai Township. (There are hot springs here for a swim on the way home). Parkhurst Road turns into South Head Road, continue until the junction with Donohue Road - approximately 30.6 km from the start of Parkhurst Road. Follow Donohue Road for 1.2 km to the parking.

Allow about 80-90 minutes for the drive from central Auckland.

Parking

Please park as directed by the marshals. Coach parking will be 1 km from the Event Arena. Car parking will be 350-550 m from the Event Arena in farm paddocks. For competitors with young children, a designated parking area will be provided adjacent to a crèche tent. This will be 100 m from the Event Arena.

In the event of wet weather, parking may be up to 1800 m away.

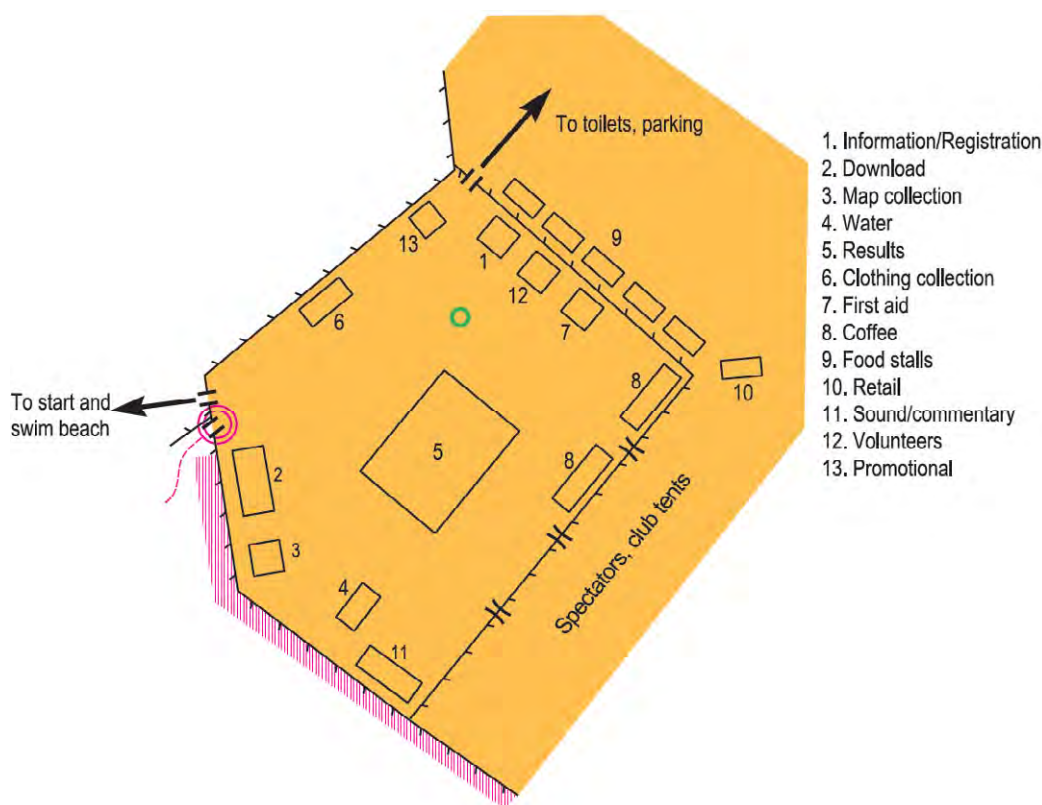
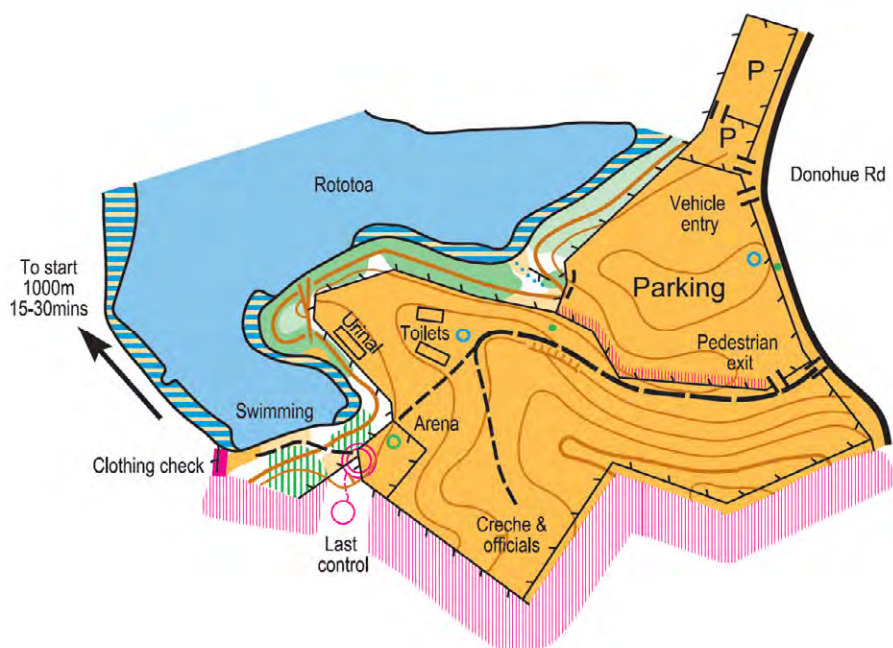
Out of Bounds

All forest areas adjacent to the Event Arena are out of bounds.

The mapped area is entirely on private property; there is no access before or after the event.

12.2 Event Arena

- There is minimal cell phone coverage at the Event Arena.
- No dogs are allowed, and no smoking is permitted at the event.
- There is a fresh water lake adjacent to the arena, suitable for swimming at own risk. Please supervise young children.
- Mosquitos may be present and using insect repellent may be advisable.



12.3 Map details

Mapped by Nick Hann 2015, Russell Higham 2016, 2017. The area has not been previously used for foot orienteering. Contour interval 5m. Scale 1:15,000 for 18-35A age classes; 1:10,000 for 0-16 and 40+ age classes. See course/class table for details. Map size A3 or A4.

Mapping notes

Large portions of the map have ground cover of pampas grass. Where this does not hamper visibility, it is mapped as green stripe. In areas where it is high enough to restrict visibility it is mapped as solid green ("slow run" ISOM 406 or "walk" ISOM 408). Vegetation mapping is generalised and should not be used for fine navigation.

Cutty grass height



Light Green (ISOM 406) - slow run



12.4 Mapping examples



12.5 Start

First Start 09:30

Course Closure 15:30

There is one Start which is a 1 km walk from the Event Arena. The first 350 m is through a very rough, slow bush track where it will be difficult to run and/or overtake other competitors. The last 650 m is along a forest road. This will serve as the warm up area. The start area is the same for all courses.

Given the distance from the Event Arena to the Start, competitors are urged to check they have all necessary items with them when they leave for the Start.

Vehicle transport to the start will be available for competitors 80 years and over. Early starts will be organised for this group of competitors and those wanting to use this transport should report to the Information Desk by 08:45. Those in these age groups not wanting transport may make their own way to the Start.

Water and a limited number of bush toilets will be provided near the Start.


Provision of a clothing return will be weather dependent. If provided, clothing may not be available until after the last start, at the Luggage Tent.

12.6 Terrain Description

The competition area comprises a variety of contour types ranging from bland gully/spur to complex sand-dune detail. There are areas of small sandstone cliffs and deep erosion gullies. Overall, the area is moderately steep.

The majority of the map is pine forest while the remainder is open native bush (predominantly Manuka). The pine forest has large areas of pampas grass, also known as “cutty grass”. This is an unpleasant grass-like plant with razor sharp edges on the leaves which ranges in height from 30 cm to greater than 2 m.

12.7 Hazards

- The pampas grass throughout the map has razor sharp edges to the leaves. They will lacerate your skin with ease! **FULL LEG COVER IS COMPULSORY AND FULL BODY COVER IS HIGHLY RECOMMENDED.** If wearing ¾ pants, gaiters or knee length socks should also be worn so no skin is exposed. Competitors will be checked before they can proceed to the start to ensure they have full leg cover.
- Eye protection should also be strongly considered.
- There is a lake close to the arena, and also a stock water trough near the toilets – please supervise young children.
- Wasp nests have been seen in the native bush areas. We have marked the ones we know about on the map with a purple cross-hatch symbol in a circle () and they are taped off in the terrain.
- Usual forest hazards such as uneven ground, branches to trip over or poke you in the eye.
- Derelict fences which can be difficult to see.

Safety bearing

- From the north-western part of the map – east to the major forest road then south-east to Donohue Road and north to Event Arena
- From the south-western part of the map – north to north-east to major forest road then north to Donohue Road and Event Arena.
- From the eastern part of the map – west to major forest road then north to Donohue Road and Event Arena.

12.8 Course/Class information

Courses 1 and 2 have a map change. The map change control is the same for both courses. The control will be manned and the new maps will be clearly labelled as to which course they are. Assistance will be provided if required. On the second map, the control site will be marked with a start triangle.

Water stations will be provided on all courses.

M21E on Course 1 have 37 controls. Competitors with a lower capacity SI-card (Series 5 or 8) should see Section 8.17.

Course	Classes	Length (km)	Climb (m)	Controls	Scale
1	M21E	13.18	440	37	1:15,000
2	M20A M35A	8.70	330	27	1:15,000
3	W21E M21A	8.13	315	24	1:15,000
4	M40A	7.51	330	23	1:10,000
5A	M18A	6.66	285	22	1:15,000
5B	M45A	6.66	285	22	1:10,000
6	M50A	6.05	300	21	1:10,000
7	W20A M21AS	5.85	240	20	1:15,000
8	M55A	5.95	220	21	1:10,000
9	M16A M35AS	5.20	210	20	1:10,000
10	W21A W35A	5.26	195	17	1:15,000
11	W40A W45A	5.01	215	17	1:10,000
12A	W18A	4.62	165	19	1:15,000
12B	W50A W21AS	4.62	165	19	1:10,000
13	M60A M45AS	4.61	195	15	1:10,000
14	W16A W55A W35AS	4.22	150	17	1:10,000
15	M65A	4.57	145	16	1:10,000
16	M70A	3.88	145	16	1:10,000
17	W60A M55AS	3.59	130	14	1:10,000
18	W65A	3.28	115	14	1:10,000
19	W45AS M75A	3.18	135	12	1:10,000
20	W70A M80A	2.56	90	12	1:10,000
21	W75A W80A W85A W55AS M85A	2.22	70	12	1:10,000
22	M14A M20B M21B	3.76	145	15	1:10,000
23	W14A W20B W21B	3.03	120	13	1:10,000
24	W12A M12A OE	2.68	80	12	1:10,000
25	W10A M10A OVE	2.29	65	12	1:10,000

13. Oceania Relay Championship – Sunday 16 April – Woodhill “Kereta”

13.1 Relay Team Registration

Relay teams have three persons. All relay teams must be confirmed at the Information/ Registration tent by 14:00 (2pm) on Saturday 15 April (Long event). No changes to relay teams can be made after this time.

Event organisers can assemble informal relay teams from individuals who would like to compete in the relay event. Register your interest before 14:00 Saturday.

All three legs are approximately the same length for each class (apart from the MW mixed class, leg 1 medium, leg 2 long, leg 3 short).

MW classes (12's, 14's and mixed) – teams must include at least one female and one male.

Relay bibs (numbers) can be collected from Information/ Registration from 09:00 on Sunday 16 April . Team managers please collect all their team bibs.

Timetable

- 08:30 - Event Arena open
- 09:00 - Registration open for collection of race numbers
- 10:00 - Race number collection closes
- 10:30 - Race briefing
- 10:45 - Mass start all leg 1 female classes (excluding M/W21A* and MW12,14, mixed open)
- 10:50 - Mass start all leg 1 male classes (excluding M/W21A* and MW12,14, mixed open)
- 10:55 - Mass start all leg 1 MW12,14, mixed open classes
- 11:00 - Mass start all leg 1 M/W21A classes
- 12:45 - Mass start of all remaining leg 2 runners**
- 13:00 - Mass start of all remaining leg 3 runners**
- 14:00 – Medal Presentations**
- 14:30 - Course Closure

*W21AS and W21B start at 10:45. M21AS and M21B start at 10:50.

**Timing will be reviewed during the event.

13.2 How to reach the Event Arena

Coordinates

Event Arena	36.584055S 174.278978E
Access Gate (320 Wilson Road, South Head)	36.586081S 174.287059E
Intersection of South Head Road/ Wilson Road	36.578160S 174.326059E

Arrival by private vehicle

From the Auckland CBD: follow State Highway 16 (North Western Motorway out of the city) through Kumeu and Waimauku to the junction (roundabout) with Parkhurst Road. Approximately 45 km from Auckland.

Turn left onto Parkhurst Road, drive through Parakai Township. Parkhurst Road turns into South Head Rd. Continue approximately 16 km from the start of Parkhurst Road until the junction with Wilson Road. Follow Wilson Road for 4 km to the parking. Wilson Road is a narrow gravel road, please drive slowly.

Allow about 80 minutes for the drive from central Auckland.

Parking

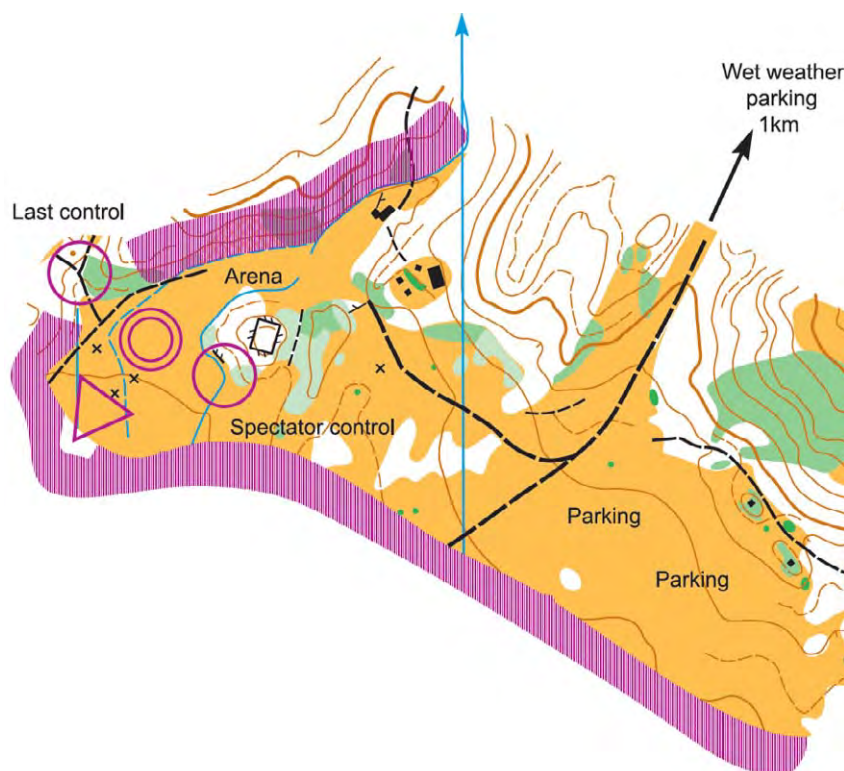
Please park as directed. A dirt farm track provides access to the Event Arena. 2WD cars, camper vans and buses will park about 1 km+ from the Event Arena. **Allow a 20 minute walk.** If the weather (and the road) is dry, 4WD vehicle parking will be about 300 m from the Event Arena.

No dogs are permitted.

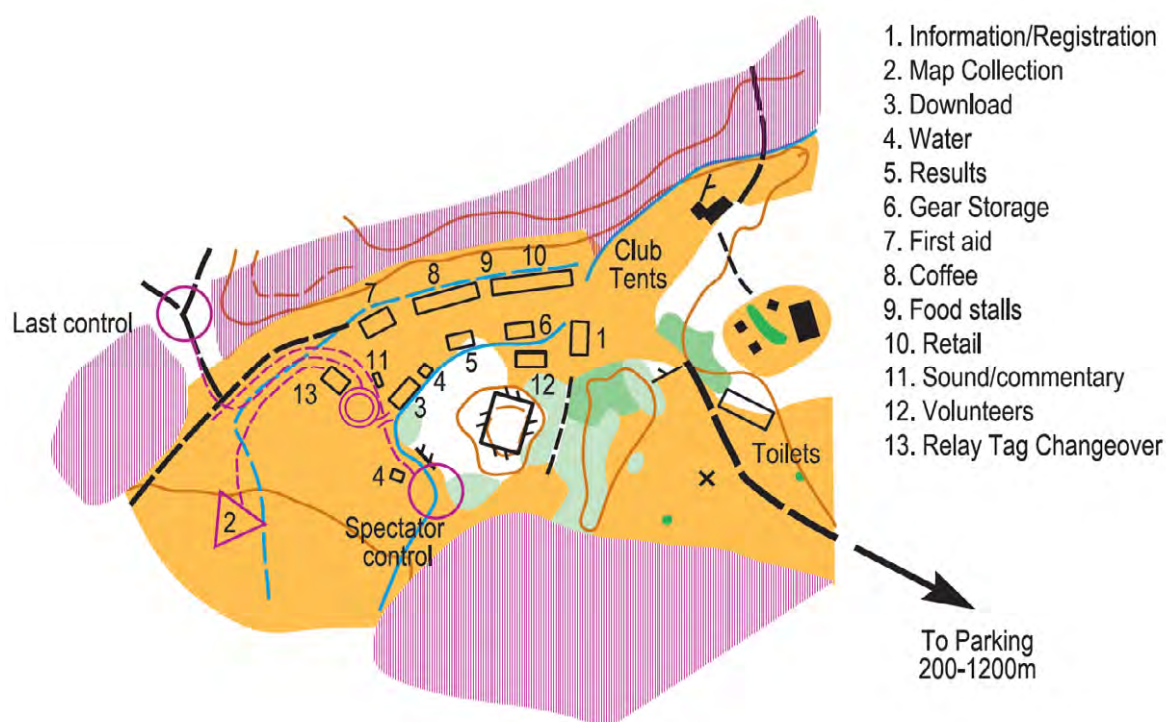
No smoking is permitted.

No mobile phone reception at the Event Arena, but some reception on the high points of Wilson Rd.

The mapped area is all private property; there is no access before or after the event.



13.3 Event Arena and Relay Changeover



13.4 Start and Relay Competition Notes

Start and Finish are adjacent to the Event Arena.

It is the competitor's responsibility to pick up the correct map. Failure to do so will result in the disqualification of the individual and their team.

There are many split controls on the courses. There are many controls close together. Carefully check your control description numbers (on the map).

All competitors will pass through a spectator control and taped spectator leg adjacent to the Event Arena. After this leg the competitors will have ~ 500 m loop before returning to the finish. The spectator control / leg is the only pre-warning of incoming team members. There will be no call ups, so move into the changeover tag box (13) when your team member has passed the spectator control / leg.

Leg 1 runners will be issued their maps at the start line. The Start triangle is the map collection "fence" for Leg 2 and Leg 3 runners.

First and second leg runners will tag their teammate before punching the Finish control.

Clear and check your SPORTident before starting your race.

13.5 Map details

Mapped by Mike Beveridge 2016. Scale 1:10,000, 5m contours. Map size A4.

The western area of the map was previously used for orienteering in the mid 1990's. The eastern area of the map has not previously been used for orienteering.

Mapping Notes

Vague / old motorbike tracks are not mapped in the plantation forest (western) part of the map.

The uncrossable fences marked on the map are 2 metre high wire mesh deer fences. These must only be crossed at the marked crossing points.

Out of Bounds

All houses and farm buildings on the map, and all areas outside the map boundary.

13.6 Terrain Description

Sand dune terrain with a range of vegetation cover including plantation forest, grass and native bush. Most of the area is fast run, with some areas of slower run in the native bush areas. The area is generally flat to undulating. Some parts of the map have scattered trimmings / branches on the ground. Small amounts of cutty grass. A series of lakes bisects the map.

13.7 Hazards

- Typical forest and farm event hazards including rough ground, vegetation, and fences.
- Possible vehicles and horses on tracks.
- There are lakes, ponds and streams (including adjacent to the Event Arena); young children should be supervised at all times.
- Deer roam on the eastern portion of the map.
- Possible wasps and bees.

Recommended clothing: lower leg covering

Safety bearing

From the plantation forest (western portion of map) head east to Lake Kereta / farmland.

13.8 Course/Class information

Water is available at the spectator control.

Course	Classes	Difficulty	Length (km) each leg	Climb (m)	Controls
1	M21	Difficult	7.0	180	28
2	M20 M35-44 W21	Difficult	5.6	160	23
3	M45-54 M18 W20	Difficult	4.6	130	17
4	M16 M21AS	Difficult	4.3	125	19
5	M55-64 W18 W35-44	Difficult	4.0	120	18
6	W16 W45-54	Difficult	3.8	95	20
7	M65+ W21AS W55-65	Difficult	3.5	90	18
8	W65+	Difficult	2.5	75	15
9	M21B W21B MW14	Moderate	3.1	65	16
10	MW12	Easy	2.4	40	12
11	MW mixed open	Leg 1 - Moderate	3.1	65	16
		Leg 2 - Difficult	4.0	120	18
		Leg 3 - Easy	2.4	40	12

14. Oceania Middle Distance Championship – Monday 17 April – Onewhero “The Rockery”

A change from sand-dunes! Pongau is one of New Zealand’s best areas of karst terrain.

After the event, consider the following tourist attractions:

Nikau Cave and Café is situated 45 mins drive to the south west at 1779 Waikaretu Valley Rd. This is a stunning cave that has glow-worms and limestone formations. Tours through the cave take 90 minutes and must be booked. For more information go to www.nikaucave.co.nz.

Raglan Beach. On the rugged west coast, this is a world-famous surf beach with a quaint small town. All of the coastal beaches have majestic scenery and black ironsand. Swimming is possible but these beaches have dangerous rips so it is not advised unless surf lifeguards are present.

14.1 How to reach the Event Arena

Coordinates

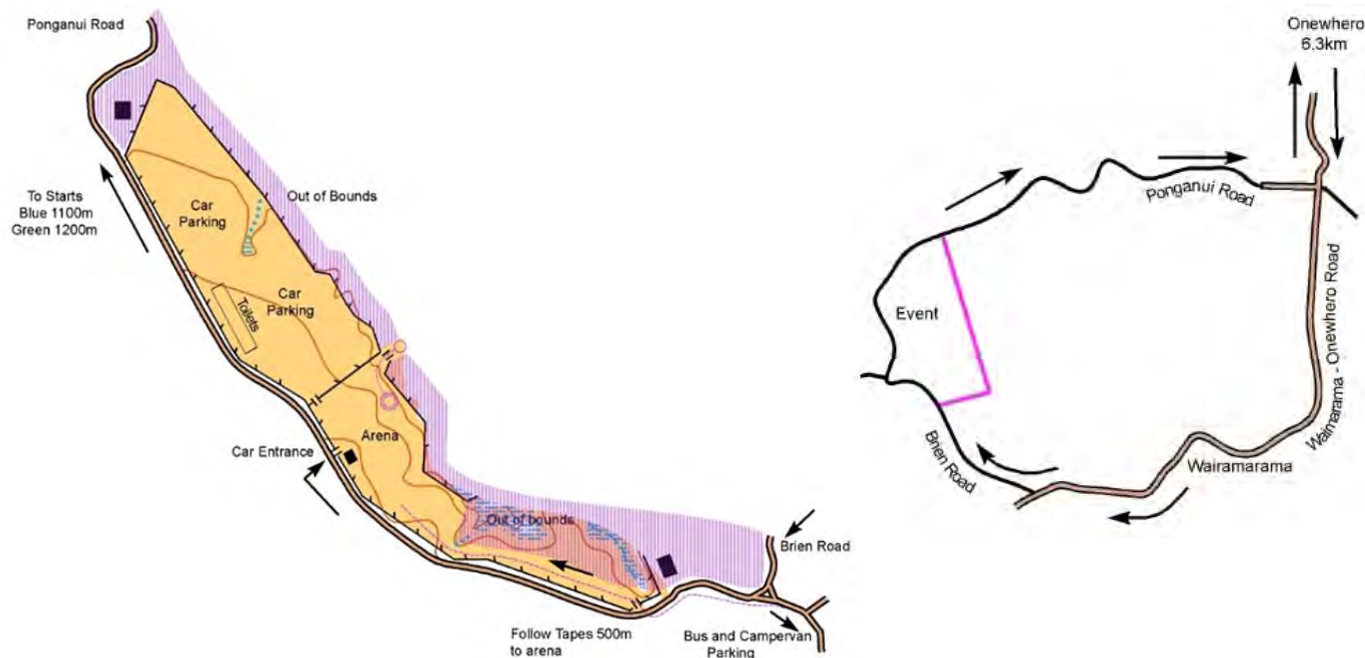
Event Arena 37.407132S 174.819367E

Arrival by private vehicle

From Auckland via the Southern Motorway (State Highway 1): Take the Bombay/Pukekohe Exit 471 heading south-west towards Pukekohe for 2.0 km. Turn left into Harrisville Road and continue to Tuakau. Continue 9.2 km through the main street of Tuakau to a T-junction with Buckland Road. Turn left into George St and travel 3.8km and cross the Waikato River at the Tuakau Bridge. Look for the Orienteering signs.

From Pukekohe: Travel south via Manukau Road. Continue along this road for 13.4 km through Buckland and pass the Tuakau School until you cross over the Tuakau Bridge. Look for the Orienteering signs.

From Tuakau Bridge: Once over the bridge turn left, travel 50m and then turn sharp right up the hill onto the Onewhero-Tuakau Bridge Road. Travel 6.0 km to Onewhero and then continue along the main road which becomes Wairamarama-Onewhero Road. Travel 6.3 km to a crossroads. At the crossroads DO NOT turn right into Ponganui Road as this is the route you will be returning along at the end of the day. Continue straight ahead for 10 km following the Onewhero-Wairamarama Road until Brien Road. Turn right into Brien Road and this continues another 3 km to the Event Arena.



Please take care as Brien Road is a narrow, winding, gravel road with a 30 km per hour speed limit. All Orienteering traffic must follow this clockwise direction around the loop road to avoid accidents and a conflict with competitors heading to the start. Please watch out for oncoming traffic since visibility is limited around corners and there may still be local traffic going the opposite way.

Allow 60 min from the Southern motorway and 45 min from the Tuakau Bridge to the Event Arena.

Parking

Campervans and buses will be directed to the first parking area, from where there is a 600 m walk to the Event Arena, which includes carefully crossing the road. Cars will be directed to the second parking area, which is a paddock immediately adjacent to the Event Arena.

Out of Bounds

All farmland on the east side of Brien and Ponganui Roads is out of bounds prior to starting.

14.2 Event Arena



Food, coffee/tea and water will be available at the Event Arena.

There is no shade in the area so bring your own sunscreen, hats and shade.

There is no mobile phone reception.

14.3 Map details

Mapped by Paul Ireland in 2015; updated by Wayne Aspin February 2017. Contour Interval 5m. Scale 1:10,000 and 1:7,500 (see Course/Class information). Map Size A4.

Become familiar with the Special Symbols below and under Hazards.

14.4 Special Symbols



14.5 Starts

First Start 09:30

Course closure 15:00

There are two starts, both accessed by walking along Ponganui Road in a north-westerly direction from the Event Arena.

- Blue Start is for Courses 1 to 23. This is 1100m from Event Arena.
- Green Start is for Courses 24 and 25 (M/W12, M/W10, Open Easy, Open Very Easy). Use the

crossing point provided to cross the fence into the prestart area. Parents may accompany children as far as the fence but not enter the start paddock. This is 1200m from the Event Arena.

A clothing return will operate from the Start to the Luggage Tent in the Event Arena.

Quarantine

A quarantine will operate for M/W21 Elite competitors. M/W21E runners must have entered the quarantine zone by 10:00. The quarantine zone is at the prestart area, so 1100 m from the Event Arena. Shelter, toilets and an area to warm-up will be available.

14.6 Terrain Description

Karst terrain with areas of dense limestone boulders and cliffs, unusual drainage patterns and many depressions and small sinkholes (tomos which are shafts formed by the action of water on limestone rock).

Most of the map is grazed farmland which is rolling to steep. There are some areas of grazed native forest, scrubland of varied runnability, and a few small fenced forestry blocks, which are mostly runnable but contain small patches of dense fern and/or blackberry, mapped as either 'walk' (mid green) or 'fight' (dark green). The small remnants of typical New Zealand lowland rainforest are scattered across the map. These are mostly tall trees and grazed underneath so generally have good visibility and runnability. Patches mapped in green are likely to have many vines however. Also note where there is little or no grass underneath, footing may be slippery. The slopes above the Event Arena include large patches of kanuka scrubland. This is also grazed so mostly runnable but visibility can be much lower than in the taller forest. Expect a mixture of high speed, intense navigational challenges and physically tough sections.

14.7 Hazards

Usual farm hazards apply. Expect to cross numerous fences. If climbing a fence, do so at a large post. Leave any gates as you find them. Electric fences will be turned off. There will be few cattle/sheep on the competition area, but if you come across any give a wide berth and do not corner them. There will be wild goats but are not considered to give any problems. The land is steep in places. Some of the rocks have impassable cliff faces which are dangerous and which are mapped.

Sink Holes - Tomos - Dangerous Pits

The specific dangers in this area are the tomos. These are small sink-holes in the ground that you can fall into, either one foot or your whole body. The tomo is a natural drain hole in limestone country so they are usually found at the bottom of a depression where the hole may be obscured by a few ankle-high ferns or long grass. Do not test them, they can be very deep. They are mapped with the **black V symbol** (ISOM 204 Rocky Pit) and while all effort has been made to map them some may have been missed. All competitors should always be aware of where they are navigating and as a precaution, avoid traversing the deepest part of a depression. Parents, please warn your children. **Due to the nature of the terrain it is highly recommended that every competitor carry a whistle.**



14.8 Course/Class information

Course	Classes	Start	Length (km)	Climb (m)	Controls	Scale
1	M21E	Blue	4.90	290	24	1:10,000
2	M20A M35A	Blue	4.31	270	21	1:10,000
3	W21E M21A	Blue	3.98	230	17	1:10,000
4	M40A	Blue	3.93	245	19	1: 7,500
5A	M18A	Blue	3.40	185	20	1:10,000
5B	M45A	Blue	3.40	185	20	1: 7,500
6	M50A	Blue	3.30	190	16	1: 7,500
7	W20A M21AS	Blue	3.28	170	17	1:10,000
8	M55A	Blue	3.20	155	16	1: 7,500
9	M16A M35AS	Blue	3.22	145	15	1: 7,500
10	W21A W35A	Blue	2.67	130	15	1:10,000
11	W40A W45A	Blue	2.60	140	14	1: 7,500
12A	W18A	Blue	2.60	140	14	1:10,000
12B	W50A W21AS	Blue	2.60	140	14	1:7,500
13	M60A M45AS	Blue	2.59	140	14	1: 7,500
14	W16A W55A W35AS	Blue	2.55	105	14	1: 7,500
15	M65A	Blue	2.38	105	15	1: 7,500
16	M70A	Blue	2.41	110	15	1: 7,500
17	W60A M55AS	Blue	2.07	110	12	1: 7,500
18	W65A	Blue	1.74	80	10	1: 7,500
19	W45AS M75A	Blue	1.73	80	11	1: 7,500
20	W70A M80A	Blue	1.65	75	12	1: 7,500
21	W75A W80A W85A W55AS M85A	Blue	1.65	80	10	1: 7,500
22	M14A M20B M21B	Blue	2.86	130	14	1: 7,500
23	W14A W20B W21B	Blue	2.43	130	13	1: 7,500
24	W12A M12A OE	Green	1.91	55	12	1: 7,500
25	W10A M10A OVE	Green	1.64	70	12	1: 7,500

15. Middle Earth Middle/Long – Wednesday 19 April – Rotorua “Whakarewarewa”

The Whakarewarewa Forest is a major tourist attraction for Rotorua. Sometimes known simply as just the “Redwoods” due to the stand of Californian Coast Redwoods, it is located adjacent to Rotorua City. The forest is very popular for locals and tourists alike, with significant numbers of walking/running tracks, mountain biking tracks and horse riding tracks.

During your time in Rotorua we encourage competitors to visit Sequoia (10 Tarawera Road) and Lime Caffeteria (1096 Whakaue St). Both cafes have supported the Middle Earth Events.

15.1 How to reach the Event Arena

This is located adjacent to Long Mile Road, just to the South of the Redwoods Visitor Information Centre.

Coordinates

Event Arena 38.157068S 176.272432E

Arrival by public transport, on foot or by bicycle

By bus: take route 11 from the CBD. This bus is the “Polytech via Fenton Park and Te Puia” route. Hop off at Fenton St near the BP petrol station and walk down either Froude St or Sala St where you will see signage for carparking and walking to the Event Arena. Walking from the bus stop to the carparking area will take approximately 10-15 minutes, with additional walking then to the Event Arena. **Please note: competitors are NOT to take route 3 to the event as this will take you through the prohibited competition area.**

If walking or cycling, head to Sala St where signposts will direct you from the carparking area through to the Event Arena.

Arrival by private vehicle

From Rotorua CBD: From the intersection of Fenton St and Amohau St, drive south down Fenton St 2.1 km before then turning left into Sala St. Parking will be signposted off Sala St.

Due to the large number of participants and limitations in carparking in just one area there will be two car parking areas, both signposted from Sala St. From Carpark 1 there is a 1.2 km walk to the Event Arena around the Scion facility grounds. From Carpark 2 there is a 1.9 km walk to the Event Arena, which also takes people around the Scion facility grounds. The walk will be clearly signposted.

Arrival by Coach

Buses will enter Scion from Sala St and will be provided swipe access through Scion. These buses will then park along the side of Long Mile Rd adjacent to the Event Arena location. This will be available between 07:45 and 09:00 unless organised in advance with Erin Swanson.

Embargoed area

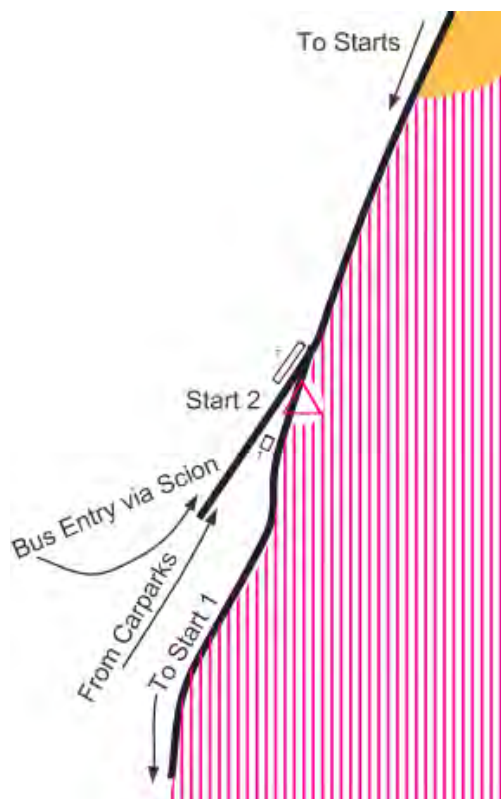
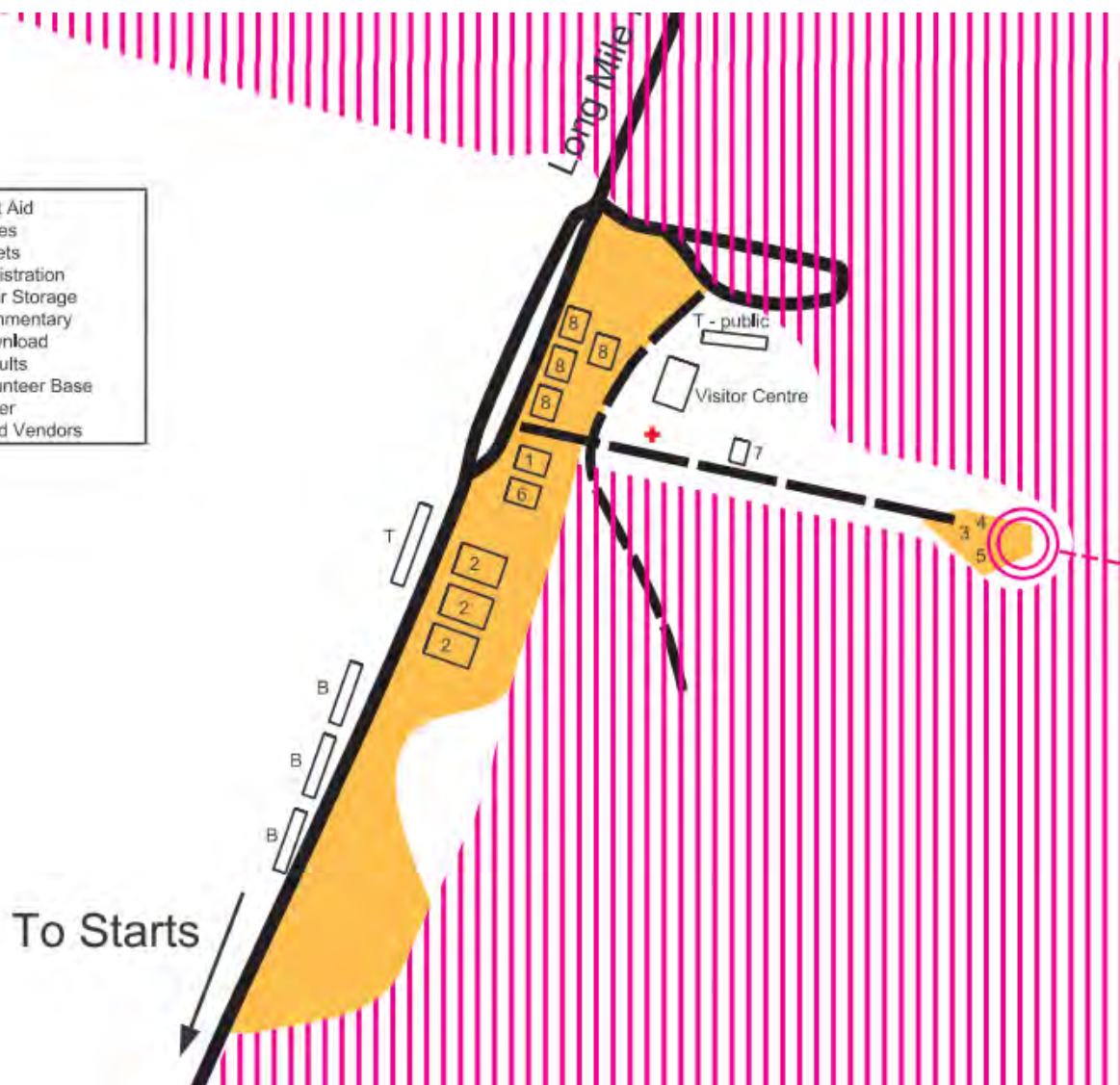
The forest area being used is embargoed for all competitors from 08:00 on the morning of 18 April until completion of the event. At the Redwoods Visitor Centre there is a tree walk available which is out of bounds for competitors prior to their race, but is able to be accessed post-race.

15.2 Event Arena

The Event Arena will have Information/ Registration, toilets, gear return and food available. There will be a coffee cart, Coffee Chic, selling coffees and drinks; Guidoughs selling pastry products, sandwiches and drinks; and Lynmore Playcentre with a fundraising gourmet sausage sizzle, cakes and drinks. The kiosk by Redwoods Visitor Centre will also be in operation.

Competitors are encouraged to bring their own chairs to this event.

- ✚ First Aid
- B Buses
- T Toilets
- 1 Registration
- 2 Gear Storage
- 3 Commentary
- 4 Download
- 5 Results
- 6 Volunteer Base
- 7 Water
- 8 Food Vendors



15.3 Map details

Mapped by Hakan Svensson and PO Derebrant in December 2016. Contour Interval 2.5m. Scale 1:10,000 and 1:7,500 (see Course/Class information). Map size A4.

Most of the area has been used previously for foot orienteering; however, the area has been completely remapped including an additional new area not used for foot orienteering before. Those on courses that use Start 1 will run through this area.

15.4 Starts

First Start 09:00

Course Closure 16:00

There are two starts, both in the same direction. Start 1 heads directly past Start 2.

Start 1: 1300m from Event Arena (allow 25 minutes walking)

Start 2: 500m from Event Arena (allow 10 minutes walking)

Warm-up areas for Start 1 are along Radio Hut Rd which is accessible next to the start.

Warm-up areas for Start 2 are along the far end of Long Mile Rd, between the Event Arena and the Start.

Water and Toilets

Adjacent to Start 2 is a water drinking fountain, which is on the way to Start 1. There will be no refreshments otherwise pre-start. Toilets are available back at the Event Arena for use prior to heading to the start, with very limited facilities available at the starts.

Water will be available on-course for all courses except for Courses 24 and 25. All courses starting at Start 1 (courses 1-12) will have water available at three locations. Courses 13-19 and 22-23 will have water available at two locations. Courses 20-21 will have water available at one location.

Clothing return

In the event of bad weather there will be a clothing return operating from Start 1 and also Start 2.

15.5 Terrain description

The event area features a mix of terrain and vegetation and courses will interchange between various terrain and vegetation types.

Courses that begin at Start 1 will start in an area of forest and open recently logged and replanted land with significant numbers of mountain bike tracks through it. There is a mix of tree types, age of trees and subsequent visibility and runnability. It is within this section that these courses have the majority of their climb before heading down and into the same area used by Start 2 courses.

For the latter parts of courses starting at Start 1 and courses that begin at Start 2, this area of the terrain will have relatively limited amounts of climb. Contour features in this area are often subtle and there are many walking tracks within the area.

Vegetation is a range of tree types, with very fast redwood forest, pine forest and various blocks of tree types in one area of the map. Some areas also include native trees. In some parts of the forest there is fern cover underneath making the runnability lower than other areas.

Special symbols

Green Circles indicate a distinctive tree.

Green Crosses indicate a distinctive stump or log. If a tree has fallen over, the bottom of the tree is mapped.

15.6 Hazards

There will be significant numbers of other forest users around. Please be mindful of others.

Whilst mountain biking tracks and horse tracks that fall within the area of forest we are using are closed, one cannot rule out individuals still making their ways within the orienteering area.

Most courses head through an area used for dog walking.

Long Mile Road will still have vehicles using it and most courses will cross this road twice at designated crossing points. Traffic management will be in place on these road crossings. You must cross the road at these road crossings. For courses starting at Start 1 there is potential for traffic on some forest roads, so please be aware whilst running along these forest roads that you may not have exclusive use of these forest roads.

Adjacent to the forest area being used for courses starting at Start 1 is an area used for the spraying of treated sewerage. This will be marked on the map as out of bounds and trees will be marked with tape wrapped around them to delineate this out of bounds area on the ground.

Most courses will cross Long Mile Rd and runners must cross at designated crossing points only, which will be manned. Courses that do not cross the road are Courses 20, 21, 24 and 25.

15.7 Course/Class information

Course	Classes	Start	Length (km)	Climb (m)	Controls	Scale
1	M21E	1	7.7	130	28	1:10,000
2	M20A M35A	1	7.5	130	27	1:10,000
3	W21E M21A	1	7.3	110	26	1:10,000
4	M40A	1	6.9	100	28	1:10,000
5	M18A M45A	1	6.7	95	25	1:10,000
6	M50A	1	6.6	90	23	1:10,000
7	W20A M21AS	1	6.1	90	21	1:10,000
8	M55A	1	5.8	90	22	1:10,000
9	M16A M35AS	1	5.5	90	20	1:10,000
10	W21A W35A	1	5.5	90	20	1:10,000
11	W40A W45A	1	5.4	90	20	1:10,000
12	W18A W50A W21AS	1	5.3	90	20	1:10,000
13	M60A M45AS	2	5.1	30	19	1:7,500
14	W16A W55A W35AS	2	4.7	30	16	1:7,500
15	M65A	2	4.5	30	18	1:7,500
16	M70A	2	3.6	30	17	1:7,500
17	W60A M55AS	2	3.4	30	14	1:7,500
18	W65A	2	3.1	25	12	1:7,500
19	W45AS M75A	2	2.9	25	12	1:7,500
20	W70A M80A	2	2.5	20	13	1:7,500
21	W75A W80A W85A W55AS M85A	2	2.3	20	10	1:7,500
22	M14A M20B M21B	2	3.3	25	13	1:7,500
23	W14A W20B W21B	2	3.0	25	13	1:7,500
24	W12A M12A OE	2	2.8	25	14	1:7,500
25	W10A M10A OVE	2	2.8	25	13	1:7,500

16. Middle Earth Sprint – Thursday 20 April – Rotorua “Government Gardens”

Originally known as Paepaekumana, the Government Gardens are situated on the lake's edge in downtown Rotorua.

This site is of importance to local Te Arawa people, for here many significant battles have taken place. In the late 1800s, 50 acres of this land was gifted to the crown by Te Arawa "for the benefit of the people of the world." The land was a scrub-covered geothermal area with several therapeutic pools. The scrub was cleared and formal gardens planted. Several large trees remain from those early days, including multi-trunked Japanese firs and an unusual Californian weeping redwood. Realising the opportunity to create a South Pacific spa attraction, in 1908 the New Zealand government opened a large and elaborate bath house, built in the Elizabethan Tudor style of architecture. Sadly the museum was damaged by an earthquake in late 2016 and is currently closed while repairs are planned.

The geothermal activity remains a significant feature of the area, with areas of hot mud scattered around the area (don't worry – they're marked on the map). The use of area for health purposes continues, with the QE Health and Wellness Spa prominently located near the waterfront. This centre continues to provide a full range of health and rehabilitation services. Another option for enjoying the mineral waters is at The Blue Baths, an historic bathhouse that also includes options for dining.

16.1 How to reach the Event Arena

The Event Arena is located at the Grand Hall, Rotorua Energy Events Centre, Queens Drive, Rotorua

Coordinates

Event Arena 38.1356388S 176.2604272E

Arrival by foot

The Rotorua Energy Events Centre is on the edge of the Rotorua CBD and adjacent to a number of popular hotels. It is less than 800m walk from the Rotorua i-site and the main bus station in the city. Competitors with accommodation in the CBD or nearby are encouraged to walk.

Rotorua has a local bus services that feeds from more outlying hotels and motels into the CBD. The services can be infrequent, so worth checking timings. More info on the buses and available routes can be found at <http://www.baybus.co.nz/rotorua/rotorua-urban/>

Competitors walking from the CBD/bus station area may walk along Queens Drive to reach the arena. Both sides of Queens Drive are out of bounds. DO NOT LEAVE THE ROAD OR THE FOOTPATH.

Arrival by cycle

Rotorua has many bike paths leading into the city, and we would also encourage people to bike to the event. There are many local businesses which hire bikes. Please respect road rules whilst biking.

Arrival by Private Vehicle or Tour Bus

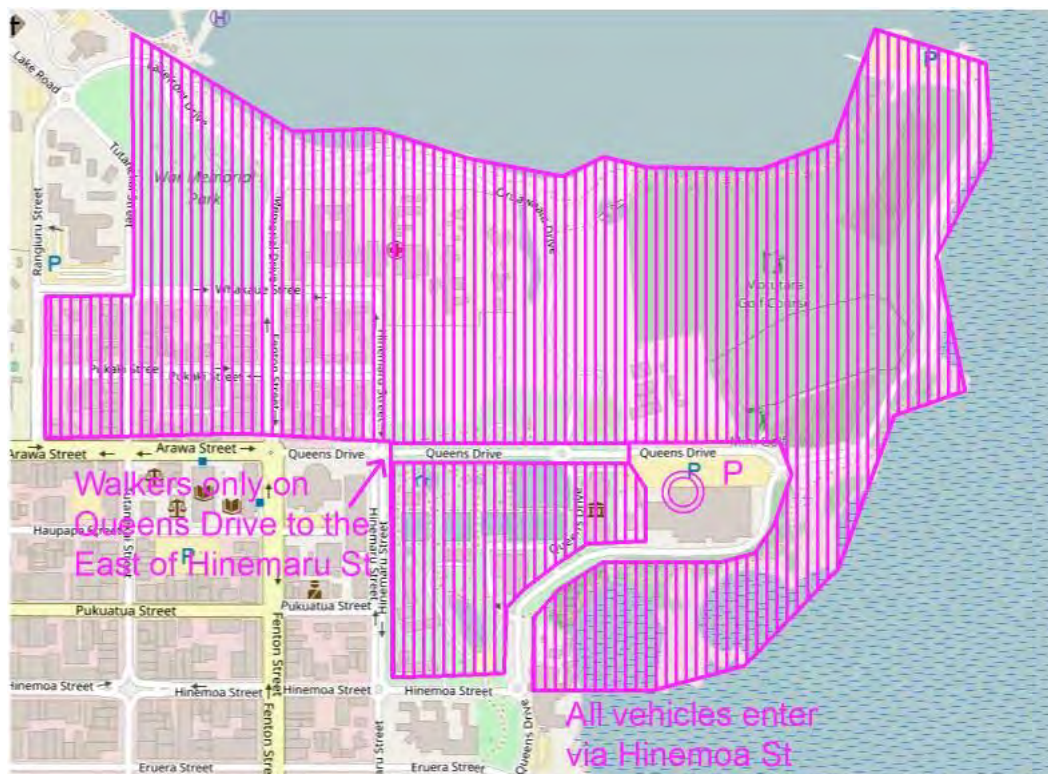
The entrance to Rotorua Energy Events Centre along Queens Drive will be closed to traffic; vehicles will instead have to enter via Hinemoa Street and Hatupatu Drive. This will be signed from the intersection of Hinemaru St and Hinemoa St.

Car parking is limited. Carpooling is encouraged to prevent congestion and ensure carparks are available for all. Parking is available for those with cars and campers in the Rotorua Energy Events Centre carpark. Parking volunteers will direct cars in the carpark.

A portion of the carpark will be reserved for drop off, pick up and turning for tour buses. There other areas for bus parking nearby.

Embargoed area

The competition area is embargoed from 05:00 on Thursday 20 April. All cars and other vehicles are forbidden from Queens Drive. It will be closed to traffic.



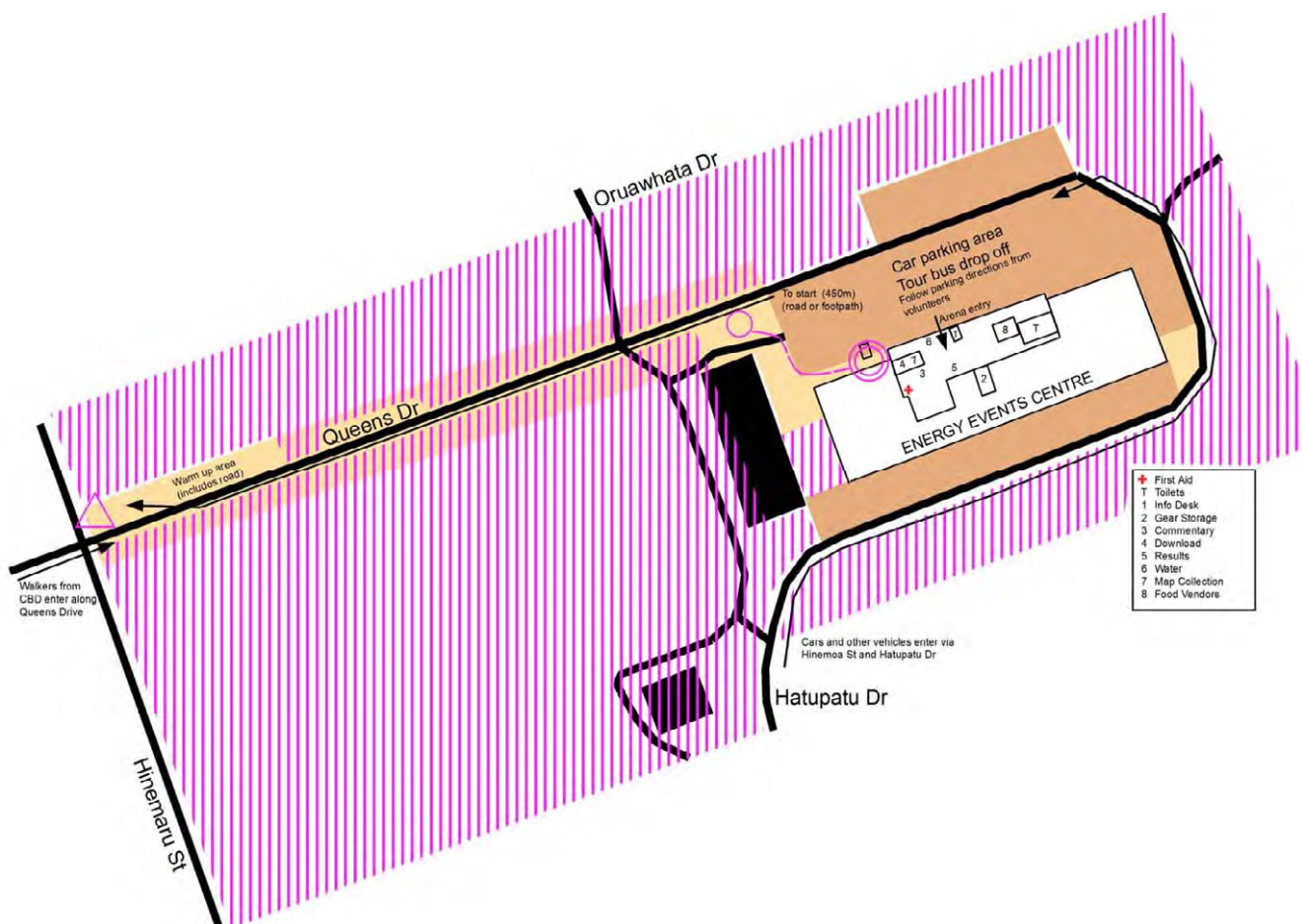
16.2 Event Arena

This will be inside and adjacent to the Rotorua Energy Events Centre. Competitors are encouraged to bring their bags and find a spot either outside on the grass around the finish or inside the 'Grand Hall'. There are toilets and access to water inside the building. Chairs will be available.

The Finish is just outside the Energy Events Centre, with runners entering the building to download after their race.

There is not a specific spectator control, but runners will be visible along the route to the start.

The Energy Events Centre Kiosk will be in operation and there many cafes in easy walking distance.



16.3 Map details

Drawn to ISSOM 2007. Scale 1:5,000, 2.5m contour interval. Courses 1-4, A3 map, landscape orientation. Courses 5-17, A4 map, landscape orientation

Survey: Nick Hann (April 2015), Matt Ogden (January/February 2016), Cameron Tier (July 2016). Field check: Tom Reynolds, Anna Gray (February 2017).

Previously known as Government Gardens and Rotorua CBD. Used for Orienteering Bay of Plenty club events over the last few years. Last event March 2016.

There is no model map available. A previous version of the map will be on display at Information/Registration.

Mapping examples

Geothermal areas: The area includes a range of active geothermal features, from small gas vents through to large mud pools. Some courses pass close to some of the smaller features. Competitors should not have to cross any barriers isolating mud pools from public access areas. Vents and pools are shown with impassable water feature symbols or pit symbols (Figure 1).

There may be some isolated vents that are taped off in the terrain but not shown on the map. This will be for clarity and will not have an impact on route choice. In areas of geothermal activity, there can be mud pools. These can have a variable amount of water or mud in them depending on a range of factors. Small pits/pools are shown with the symbol for water filled pit, larger pools are shown as an impassable body of water. See Figure 1 for an example of a variety of symbols used in a geothermal area.



Figure 1. Hot mud/water pools and a variety of small vents as shown on the map.



Figure 2. Hazard tape identifying larger and smaller vents/pools in the terrain.

Areas that are not clearly identified with public signage will be shown on the map with the dangerous area symbol, with warning tape on small poles in the terrain (Figure 2). In some areas of the course, smaller vents and holes have been marked with a warning tape on small poles. Do not cross into the areas within this tape (example 3 upper right). In most cases these areas are too small to show on the map.

Gardens: There are intricate gardens throughout the area of the map. The garden beds are out of bounds and marked in olive green (Figure 4). In some places there is a high degree of detail in the shape of the beds and includes small paths within flower beds. These cannot always be shown on the map due to clarity issues. Where this is the case, tape strung between small poles will identify areas that are out of bounds (Figure 5). The general rule is that, if in doubt, gardens should not be crossed.

The gardens area also includes some bowling greens. These are specially-maintained areas. On the map they are shown with olive green and are out of bounds. They will not be taped off in the terrain due to their large size. They are however easy to recognise and are in some cases identified by public signage (Figure 6).



Figure 4. Garden beds



Figure 5. Gaps in garden – DO NOT CROSS TAPE



Figure 6. Bowling Greens. Olive green is OUT OF BOUNDS.

Pipes: In certain areas of the map there are steam pipes running above ground. These are used to conduct the hot steam from the geothermal area. In some cases these pipes run at approximately knee level, and occur in areas that are relevant for route choice. These are marked as out of bounds on the map using the dangerous area symbol and will be identified with tape in the terrain (Figure 7).

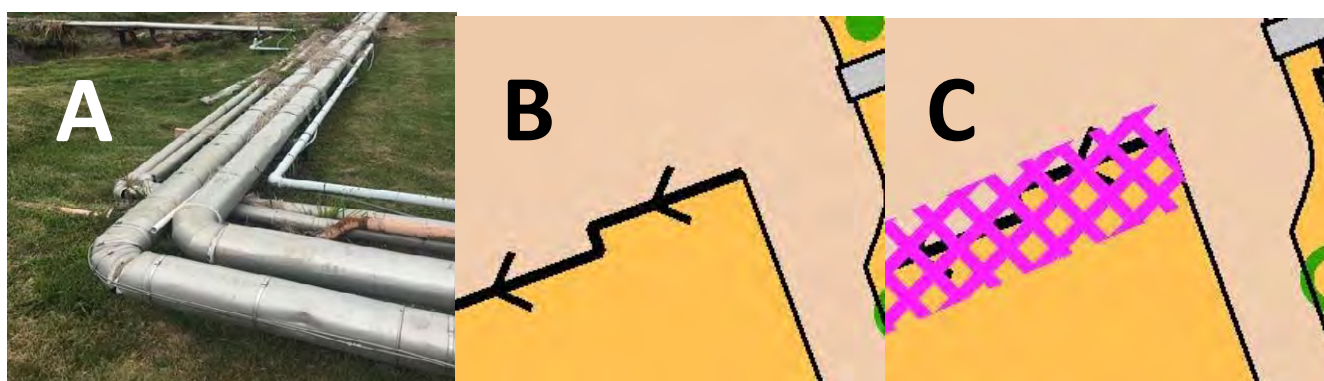


Figure 7. Steam pipes. A = appearance in terrain, B = pipes as mapped, C = pipes as mapped with dangerous area overlay.

Golf course: Some courses will cross the Government Gardens golf course. The relevant part of the golf course will be closed to golfers. In addition to traditional golf holes, there are some 'soccer golf' holes. These are larger holes (around 50cm diameter) that are in a few locations on the golf course (Figure 8). Be aware of these while running. Please avoid running on the greens, they are mapped as olive green out of bounds (Figure 9).



Figure 8. Soccer golf hole



Figure 10 Passable water (pale blue) adjacent to sandy ground.



Figure 9. Golf green mapped as olive green. Note short grass on green.

Sculptures: An area of the map includes a number of sculptures and art installations. These sculptures are shown using the symbol for a Cairn.



Olive green is used throughout the map for out of bounds gardens and grass areas. This includes greens on golf courses and also bowling greens. Runners must stay off these areas. See mapping examples above for more information.

High lake levels: Lake Rotorua borders part of the terrain. The level of the lake can fluctuate up to 30cm depending on rainfall. This can have an impact on the width of beaches and the exact shape of sandy areas. Where there is potential for this to impact route choice, an area of the passable water feature symbol is used adjacent to the sandy ground symbol. The area of the pale blue represents low lying beach that may be obscured with high lake levels (Figure 10). These areas CAN be crossed during the race.

16.4 Starts

First Start 09:00

Course Closure 13:30

All courses have the same start. This is located approximately 400m from the Event Arena. The route is entirely flat and along a closed road.

Given the proximity to the Event Arena, there will not be a clothing return, nor will there be toilets at the start. Limited amounts of water for competitors about to start and a rubbish bin will be adjacent to the call-up area.

16.5 Terrain Description

Mixed urban/parkland terrain. The map includes a wide variety of terrain features; manicured gardens, open parkland, dense scrub and city streets. Underfoot conditions include grass, tar seal, gravelled paths and forest floor.

A unique feature of this map is the close proximity of many active geothermal features. Many courses travel through or adjacent to areas with geothermal activity. These areas include mud pools, hot water springs and gas vents.

Climb is minimal, with the highest point on the map being barely 5m above the lowest.

Vegetation varies from manicured gardens through to regenerating scrubland. Areas of regenerating vegetation are, in general, difficult to pass through. The understory often includes sharp blackberry and

thick ground cover. Areas that are passable are shown clearly on the map. Areas mapped in dark green on this map should be respected – they really are a fight to get through.

16.6 Hazards

Please be aware several courses run through public commercial areas, and as such there is likely to be foot traffic and local vehicle traffic. ALL courses have route choices than can take competitors across OPEN public roads. ALL competitors may encounter moving traffic on their course. When your route choice takes you across a road it is your responsibility to cross in a place and at a time that is safe to you and other road users. Competitors from countries where traffic drives on the right should take particular care and be aware the traffic in the nearest lane will come from the right, not the left.

There will be signage and marshals warning road users that there are runners about. Do not rely on this to guarantee your safety, take special care crossing roads. We ask that you remain aware of your surroundings, and respectful of other CBD users. This is an opportunity for us to showcase orienteering to Rotorua which it has never seen before.

Rotorua sits in an active geothermal area. The area for this sprint includes a range of geothermal features from small gas vents to larger mud pools. Competitors should heed public warning signs and follow advice laid out in the Mapping Examples above.

Some areas around the map include low lying (below knee height) chain fences. These often mark the edges of roads or parking areas. These present a tripping hazard and can be hard to see.

16.7 Course/Class Information

Climb on all courses is negligible (<20m)

Course	Classes	Distance (km)	Controls
1	M21E M20	3.3	22
2	M35 M21	3.1	17
3	M40 M18	3.0	20
4	M45 M16 W21E, W20	2.7	16
5	M50 M21AS W35 W21	2.5	19
6	M55 W40 W18	2.4	17
7	W45 W16	2.4	17
8	M60 M35AS W50 W21AS	2.3	16
9	M65 W55	2.2	17
10	M70 M45AS W60 W35AS	2.0	13
11	M75 W65	1.9	12
12	M80 M55AS W70 W45AS	1.7	11
13	M85 W75 W55AS	1.7	11
14	W80 W85	1.6	13
15	M14 M20B M21B W14 W20B W21B	2.4	13
16	M12 W12 OE	1.9	16
17	M10 W10 OVE	1.6	16

17. Te Puia Cultural Show and Dinner – Wednesday 19 April – Rotorua

For those who are traveling to Rotorua for the Middle Earth carnival, we have some special offers from Te Puia for you to enjoy in your downtime. Te Puia is located only minutes from central Rotorua and is home to the world famous Pohutu Geyser as well as the New Zealand Māori Arts and Crafts Institute.

Te Puia is offering a special traditional Māori hangi buffet dinner and cultural performance for all Middle Earth participants on the evening of Wednesday 19 April. This is a great deal for a world famous tourist attraction.

Arrive before 6pm at main Te Puia entrance, Hemo Rd, Tihiotonga, Rotorua 3040.

6.15pm	Lifting of the Hangi Food
6.30-7.15pm	Cultural Show
7.30pm	Dinner
8.20pm	Hot Chocolate by the Geyser
8.45pm	Depart by 8.45pm

Tickets are \$84 Adults, \$42 Children. Purchase tickets via <https://entero.co.nz> on the Oceania 2017 webpage. Click Enter here then Order Merchandise

In addition to this, Te Puia is offering a 15% discount on day passes to all Middle Earth participants with proof of entry.

QE Health Wellness & Spa

Rotorua has a long history of spa treatments, dating back to when Te Arawa first settled here 700 year ago. From a World War II convalescent hospital to a world-class wellness centre in 75 years, QE Health has always followed the principles of holistic healthcare.

QE Health offers a full range of healthcare: Physiotherapy, Gym and Fitness Classes, Orthotics, Occupational Therapy, Psychology and Counselling, Rheumatology, a Fracture Liaison Service, Wellness for Cancer, Dietetics and our Spa and Beauty treatments all under one roof.

W: www.qehealth.co.nz

Rotorua Trails Trust

Rotorua is the world's best all-year-round mountain biking centre. The aim of the Rotorua Trails Trust is to develop a network of great multi-user trails across the splendid Rotorua district, far beyond the famed Whakarewarewa Forest.

The Trust is developing trails that are suitable for walkers, trampers, runners, cyclists, and horse riders. Some trails will be multipurpose. Anyone can join the Trust for an annual fee of \$5 and make a donation if they choose to. W: <http://rotoruatrailstrust.co.nz>

18. Statistics

18.1 Oceania Middle Earth – Entry by Country (at 24 March 2017)

Country	Entrants	Country	Entrants	Country	Entrants
New Zealand	484	Denmark	22	Netherlands	3
Australia	473	United States	21	Czech Republic	2
Sweden	188	Estonia	18	Hungary	2
Finland	177	Germany	13	Kazakhstan	2
Norway	114	Austria	10	South Korea	2
Great Britain	65	Japan	10	Ukraine	2
Hong Kong	56	Belgium	8	Brazil	1
Switzerland	48	Lithuania	6	China	1
Canada	29	France	5	Israel	1
New Caledonia	29	Ireland	4	Romania	1
Russia	23	Portugal	4	Thailand	1
33 countries			Total	1825	

18.2 Oceania Middle Earth – Entry by Class (at 24 March 2017)

Class	No.	Class	No.	Class	No.	Class	No.
M10	11	M45	50	W16	29	W55	86
M12	13	M45AS	18	W18	26	W55AS	20
M14	28	M50	106	W20	23	W60	87
M16	36	M55	112	W20B	5	W65	79
M18	27	M55AS	23	W21	16	W70	63
M20	33	M60	112	W21AS	7	W75	24
M20B	4	M65	145	W21B	15	W80	11
M21	16	M70	107	W21E	36	W85	1
M21AS	11	M75	47	W35	14	OE	20
M21B	3	M80	15	W35AS	5	OVE	6
M21E	60	M85	4	W40	27	MWO	1
M35	17	W10	14	W45	39		
M35AS	4	W12	21	W45AS	25	Total	1825
M40	25	W14	23	W50	75		



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