



9-10 NOV 2019

2019 NZ MTBO CHAMPIONSHIPS

EVENT BULLETIN

Kia Ora and welcome from Orienteering Bay of Plenty. Please read this bulletin prior to competing in the Champs events. Any last minute updates can be found on www.mtbochamps.org.nz.



OrienteeringNZ
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PROGRAMME

Middle Distance Champs
Sat 9th Morning

Sprint Distance Champs
Sat 9th Afternoon

Dinner and Prize Giving
Sat 9th Evening

Long Distance Champs
Sun 10th

CONTACT

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Facebook – NZ MTBO Champs
Event

IMPORTANT SAFETY INFORMATION

Please note the majority of riding will be on two way tracks, and in areas open to the public during this event. THERE IS POTENTIAL RISK OF COLLISION! As such, please ride with care, ensuring you follow these rules:

- Keep to the left on tracks and roads.
- Downhill riders give way to uphill riders.
- Ride slowly on blind corners. Be prepared to give way in the event of traffic coming the other way.
- When passing, shout which side you are passing on (should usually be the right) to warn the person being passed.
- When stopping, keep to the left to allow other riders to pass – i.e. do not block the path of other riders.
- Shout warnings to riders or members of the public where necessary to avert collisions.
- IN ESSENCE, RIDE WITHIN YOUR ABILITIES, AND TAKE CARE NOT TO COLLIDE WITH OTHER RIDERS OR MEMBERS OF THE PUBLIC!

EVENT LOCATIONS

The Middle event is 5 to 10 minutes from the Rotorua CBD. The Sprint event is approximately 20 kilometres from the Rotorua CBD. The Long event is approximately 60 kilometres from Rotorua (via SH30). Specific directions contained in event information below.



NZ MTBO MIDDLE DISTANCE CHAMPIONSHIP – SATURDAY 9th NOVEMBER 2019 MORNING**1. Map**

- Puarenga (Middle Earth map extended).
- Scale 1:10,000, 2.5 metre contours, printed on A3.

2. Terrain

- Highly varied terrain which includes fast and flat trails, buildings, thermal features, open park terrain (off track travel allowed on yellow and white sections of map), turning to steep and physical pine forested hill terrain with purpose built mountain bike trails (many of them one way directional) in a highly complex trail network.

3. Times

- Registration open from 8am.
- Starts from 9.15am.
- Course closure 12.30pm.

4. Location and Directions

- Whakarewarewa School, 63 Sala Street, Rotorua.
- Venue approximately 5-10 mins drive from Rotorua CBD.

5. Course Overview

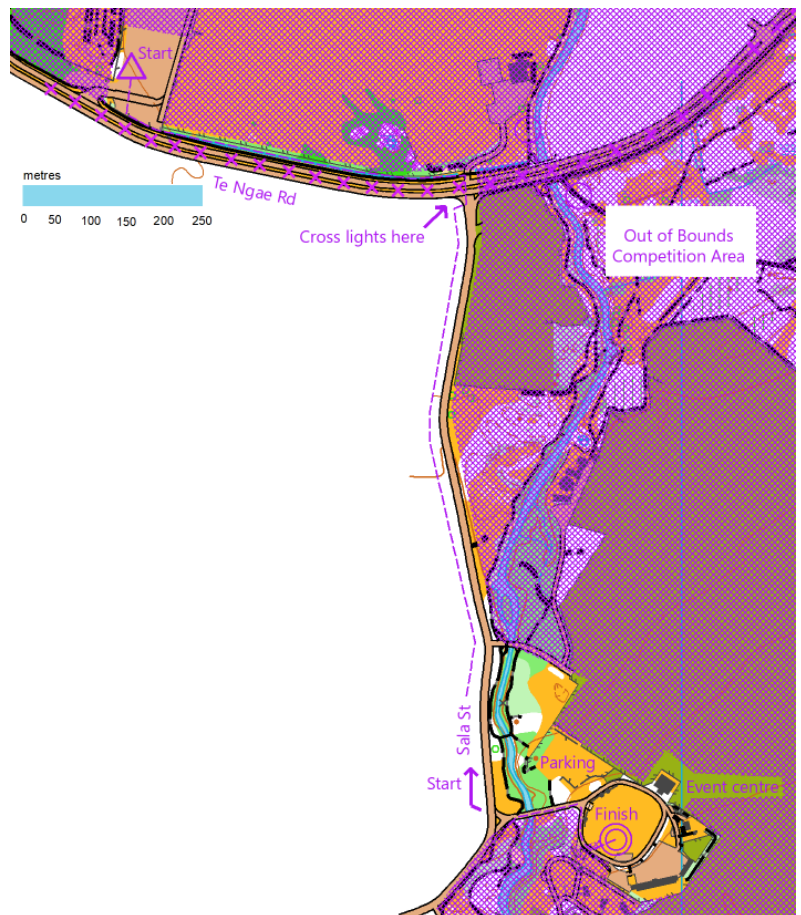
Course	Classes	Distance	Climb	Controls
1	M Open	17.8km	220m	25
2	W Open, M20, M40	15.7km	195m	23
3	W20, W40, M16, M50, Rec 1, E-Bike	14.6km	180m	19
4	W16, W50, M60	13.8km	170m	21
5	W60, M70, Rec 2	10.4km	105m	17
6	W70	8.1km	30m	17
7	M/W10	3.9km	25m	11

6. Setter and Controller

- Setter = Peter Swanson.
- Controller = Simon Addison, (with help from Darren Ashmore on race day).

7. Parking, Registration, Start and Finish Details

- Parking will be at Whakarewarewa school. After turning off Sala street into the school driveway, pass over the bridge and parking will be 30 metres further on, on the left. NOTE – please take care to avoid competitors who will be sharing this road when travelling to the finish line! (See diagram to the right.)
- The event centre and registration will be the school hall just beyond the parking area.
- Start** - The start is approximately 1.5 kilometres from the school, via public roads. Competitors must ride to the start, and no carparking is allowed at the start area. From the school turn North onto Sala Street and travel along this for 800 metres to the lights. Cross Te Ngai Road at the lights (note there is no pedestrian crossing, so riders will need to cross on the green light with traffic), and then travel West along the cycle path next to Te Ngai Road. The start area is next to the BMX track in the large gravel car park. (See diagram to the right.) **NOTE – PLEASE TAKE CARE RIDING ON THE ROAD!** Usual traffic rules apply, and riders should take care in traffic.



8. Out of Bounds (Competition Area)

- The parkland area North and East of the start area is out of bounds. The Scion/Dog walking area to the East of Sala street, and old Scion area South of the school is also out of Bounds (in purple on map to right).
- Riders will finish via the tracks next to Sala Street, south of the school entrance, and these are out of bounds. There will be a taped finish chute across the field which is also out of bounds. NOTE – out of bounds areas are clearly shown in purple on the map above.

9. Hazards

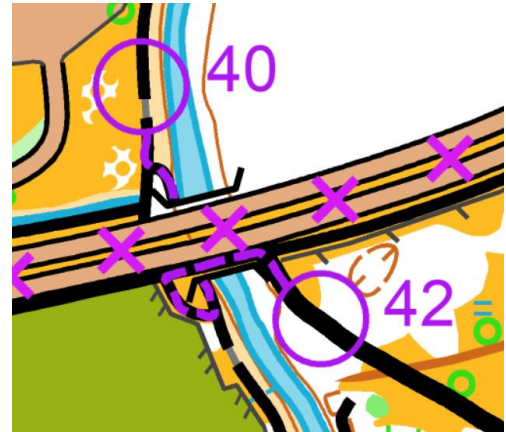
- Public roads will be used getting to the start, as well as during the race. Riders must abide by usual road rules and give way. **Please be careful around other road users!**
- Competitors should expect to share the race area with members of the public who may also be riding bikes, walking, or taking dogs for walks. Please be courteous and be prepared to give way to members of the public where necessary.
- Some trails, especially in the first part of the race, are two way, and may be very fast. There are blind corners on these trails where riders will need to slow and be prepared to stop for people coming the other way.
- Keep left at all times on trails and roads!

- Some trails may have technical sections where attention is required. If in doubt, dismount and walk these sections.
- Open areas where off track travel is permitted (marked as yellow or white on the map), could contain hidden obstacles, including ditches, holes, debris and uneven ground.
- There is a deep drainage ditch on one part of the map that runs parallel with a major track. This is very deep and riders should take care to avoid riding into this. This is marked by the erosion gully and watercourse symbol (see right).

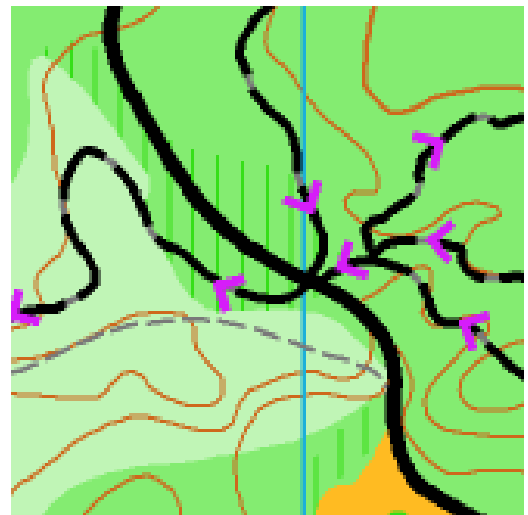


10. Special Notes

- Courses 1 to 6 will cross under Te Ngae Road via an underpass (see diagram to right). This is a taped route between control numbers 40 and 42 (which must be punched) and is compulsory to follow. This is a timed leg, however please take care going through the underpass, as riders may be coming from the opposite direction. **RIDERS ARE NOT PERMITTED TO CROSS THE ROAD!**



- You must stay on the tracks marked in black. However....
 - You **ARE** allowed to ride off track on areas marked as bright yellow or white.
 - You **ARE NOT** allowed to ride off track on areas marked as light yellow or green.
 - You **ARE NOT** allowed to ride on walking tracks (marked as grey on the map)
- Many courses will enter the Whakarewarewa mountain bike area which includes trails that are one way directional only. It is critical that these tracks are followed in the correct direction only, and no riders are permitted to travel in the opposite direction on any of these tracks. Directional travel is clearly marked on the map with purple arrows (see map example to the right).
- In rare instances where a rider misses a junction on a one way track by mistake they may turn around if they are within 10 metres of the junction. In this case they must dismount and walk back to the junction before proceeding, taking care to avoid oncoming traffic. Blatant misuse of this rule to enter short sections of trail in reverse will result in disqualification.



- Signage has been placed on some (but not all) junctions where there is deemed a risk of riders entering the wrong way by mistake (see sample sign to the right). If you see this sign, you must not enter the trail from this direction.
- **ANY RIDERS FOUND TRAVELLING IN THE WRONG DIRECTION ON ANY TRAILS WILL BE DISQUALIFIED.**
- Orange tape has been used to mark any less distinct track entrances.



NZ MTBO SPRINT DISTANCE CHAMPIONSHIP – SATURDAY 9th NOVEMBER 2019

AFTERNOON

1. Map

- Tui Ridge
- Scale: 1:5,000, 5m contours
- Size of map – A4

2. Terrain

- Tui Ridge Park is made up of a dense maze of tracks through undulating contour in mixed forest. Includes fast 4WD width trails through to narrow natural single track in vine infested native bush. An area of buildings and open grass area is also used. The surfaces include hard packed clay, slippery mud sections, gravel roads and grass.

3. Event Timing

- **All vehicles, competitors and spectators must be in the event arena by 2:15pm. There is no exit from the arena between 2:15pm and 4:15pm (or as determined by the controller).**
- Registration opens 1:30pm.
- First start 2:30pm.
- Course closure 4:30pm.

4. Location and Directions

- Tui Ridge Park, 260 Anderson Road, Hamarana.
- Venue approximately 20 kilometres from Rotorua CBD. Follow SH5 North, then straight through at the Ngongotaha roundabout to pick up SH36. Travel through Ngongotaha, and then left at Oturoa Road. Travel up here 6.5kms, then right into Anderson Road and Tui Ridge entrance. Signposted from SH36 and Oturoa Road junction.

5. Course Overview

Course	Classes	Distance (km)	Climb (m)	Controls
1	M Open, M20, M40	6.2	100	27
2	W Open, W20, W40, M50	5.4	90	25
3	W50, M16, M60, Rec 1, E-Bike	4.7	65	22
4	W16, W60, M70	3.8	40	18
5	W70, Rec 2	2.4	30	14
6	W10, M10	1.4	25	11

6. Setter and Controller

- Rob Garden and Marquita Gelderman

7. Parking, Registration, Start and Finish Details

- Parking will be in a grass field. Please follow directions from the parking marshals.
- Registration at the event centre.
- Start is 100m from the event centre.
- Finish is in the event centre.
- **Warm-up** is permitted on the access road **until 2:15pm**. After 2:15pm warm up is limited to the large field where parking and arena are.
- If warming up on the access road, it is **not permitted to leave the access road** on to any side tracks.
- **There is no exit from the arena area either by bike or by vehicle or by foot after 2:15pm and until 4:15pm, apart from when you are actually competing.**
- The start for the Children's course (M10 and W10) is in same place as the main start. There will be a separate channel for these competitors with a punch start.

8. Out of Bounds

- You must stay on the tracks. However....
 - You **ARE** allowed to ride on the bright yellow/orangey colour.
 - You **ARE** allowed to ride on white.
 - You **ARE NOT** allowed to ride on light yellow or on green.
- A portion of road is out-of-bounds and marked with the purple zig-zag symbol.
- Two out-of-bounds lines are marked around the event arena field – these are a thick purple line with purple hatching.



- It is not permitted to cross these lines (they will be marked in the terrain with tape) or ride on the portion of road marked with zigzags.
- An area next to one building will be taped off, preventing you from riding around the back of the building.

9. Hazards

- Some of the bush tracks are clay and will be extremely slippery if conditions are wet. Please ride with care.
- There may be two-way traffic on some narrow tracks or around tight corners in the buildings.
- All courses cross and/or use the access road near the start. Some courses may use or cross the access road near the end of the course. While there should be no event traffic on the road, it is possible there is other traffic using it so please take care.

10. Special Notes

- Some very small, short footpaths leading to buildings are marked with a much thinner line than the regulations state. This is for clarity.
- Some canopies and covered walkways are marked with light grey (50% grey rather than the 70% grey that the buildings are marked with). It is possible to ride underneath these canopies. Where they do not affect the courses, they may not be marked separately from the building.
- Significant steps/stairs are marked with the stairs symbol (862).
- There are several electrical connection boxes in the open area adjacent to the buildings (the sort you would plug your caravan power into). These are approximately 1m high and are NOT marked on the map.



- There is a spectator control for all courses on the western side of the arena.

NZ MTBO LONG DISTANCE CHAMPIONSHIP – SUNDAY 10th NOVEMBER 2019

1. Map

- Cougar Mountain Bike Park and Tokoroa Memorial Sports Ground.
- Scale 1:10,000 with 1:5,000 inset, 5 metre contours, printed on A3.

2. Terrain

- Cougar Park is a purpose-built MTB park, with steep to undulating contour, and a complex network of trails in pine plantation, part of which has been recently logged and replanted. A network of fast forest roads bisect the map, and a complex network of single track ranges from very fast to moderate in different places. Travel is restricted to mapped tracks and areas describe in the Rules and Technical section of this bulletin. In addition, competitors must not cross any sports fields on which organised games are in progress. Cricket games near the finish are possible.

3. Times

- Registration open from 9.00am
- Starts from 10.00am
- Course closure 3.00pm

4. Location and Directions

- Cougar Mountain Bike Park, Tokoroa Sports Grounds and Cricket Club.
- Heading north into Tokoroa on SH1 (from south), enter the township and turn right into Mossop Road (just before Mobil gas station). Travel approximately ½ km along Mossop Road, and turn left at the Cougar MTB Park sign, and drive up to the South Waikato Cricket Club car park. Signposted from SH1 and Mossop Road junction.

5. Course Summary

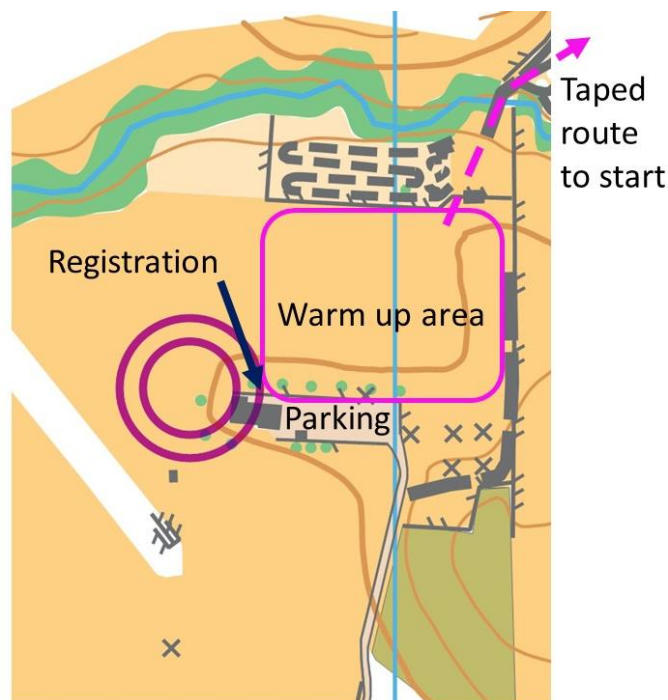
Course	Classes	Distance	Climb	Controls
1	M Open	33.1km	615m	20
2	W Open, M20, M40	29.3km	580m	17
3	W20, W40, M16, M50, Rec 1, E-Bike	25.7km	480m	15
4	W16, W50, M60	21.4km	360m	12
5	W60, M70, Rec 2	16.5km	265m	11
6	W70	7.6km	155m	8
7	M10, W10			

6. Setter and Controller

- Setter = Phil White
- Controller = Aidan Boswell

7. Parking, Registration, Start and Finish Details

- Parking will be in the main Cougar Park MTB Park carpark, next to the South Waikato Cricket Clubrooms. Registration and event centre at the Cricket Clubrooms.
- The start is a 10 minute ride (1.4 km) following a taped route along a trail. Please keep left, as there may be competitors on parts of this track. Each side of this trail, and any other trails are out of bounds. At the start, you must stay on the left side of the road. There may be competitors riding both ways on the other side of this roadway.
- The finish is on the field immediately west of the clubrooms. Warm up can be done on the sports fields between the carpark and the entrance to Cougar Park to the north, and on the trail to the start.
- The start for the Children's course (M10 and W10) is in same place as the main start. There will be a separate channel for these competitors with a punch start.



8. Out of Bounds

- The Mountain Bike Park north of the carpark is the main competition area and may not be entered prior to competing, other than via the taped trail to the start.
- Please keep off farmland next to the sports fields.

9. Hazards

- The MTB park is open to the public, so please watch for other forest users, who may include cyclists, walkers and dogs.

- Most of the MTB trails are normally one way in Cougar Park, but during this competition they are two way. Some of these trails can be ridden at high speed, so please be prepared for meeting oncoming riders at any time and be prepared to give way or stop. The following rules apply:
 - Slow down when passing members of the public.
 - When passing opposing traffic keep left.
 - On single track, the downhill rider gives way to uphill.
 - When a faster rider wishes to overtake you, give way at the first opportunity. The faster rider should call to indicate their intention to pass and on which side.
 - Avoid damaging tracks through aggressive riding such as skidding.
 - On public roads obey all traffic rules.
- Many of the trails will have a layer of pine needles which are extremely slippery, especially on tight or fast corners. Pine cones are also found on trails and can be a hazard.
- Fallen trees could be encountered anywhere in the forest. Any trees that block roads or tracks are normally cleared within a few days, so none have been mapped. Any such obstacles that are seen immediately prior to the event will be advised on the morning of the event but will not be on the map.
- There are a few short sections of track which are very steep. We have used an exclamation mark to signify where these are on the map. A capable rider will be able to ride these, but less confident riders should dismount and walk these short sections.
- There is a recommended detour around a short uphill section on some courses that is too steep to ride and almost too steep to walk. It is both faster and safer to use the recommended track. It will be indicated with an obvious sign for the uphill riders.

10. Special Notes

- Competitors should expect some level of generalization in the way tracks have been mapped, particularly in areas where there are tight twists and turns. More obvious corners and junctions however, should on the whole be mapped accurately.
- The start is located approximately 1.4 km into the competition area. To get to the start competitors must follow a marked trail, and must not stray onto other trails.
- The finish will be adjacent to the event centre/registration area, and will include a finish chute that competitors must follow. Non-competitors must not enter the finish chute.
- Prize giving for the Long Distance Champs will happen at the conclusion of racing, at approximately 2.00pm.

CHAMPIONSHIP SUMMARY

NZ MTBO Championships

The Sprint, Middle, and Long Distance events constitute the New Zealand Mountain Bike Orienteering Championships. NZ Championship titles can only be held by members of a NZ club who are also NZ citizens or have permanent residency. However, place getters will still be recognised with their placings in prize giving and in the results.

The Children's and E-bike Grades will not be official championships grades, but place getters for E-bike and participants for Children's grades will also be acknowledged.

START INFORMATION AND RESULTS

Start Procedures

- There will be a start interval of 2 minutes for competitors on the same course, for all events.
- There will be a pre-start call up 4 minutes before start time:
 - At 4 minutes before start: check off name and SI card number with the official, clear, check and test, wait.
 - At 3 minutes before start: move forward, receive instructions from the official, wait.
 - At 2 minutes before start: move forward to map table, confirm correct course map for your class (e.g. M40 is course 2).
 - At 1 minute before start: turn over map, move forward and place map on map board. You may inspect the map during this time.
 - At 0 minutes: start. You do not need to punch any start box to start.
- There will be "clear, check and test" SI stations in the pre-start area. A large digital clock will be placed at the pre-start – this displays the official race time.
- If you are late for your pre-start call up time, tell the start official. It will be at the discretion of the start official whether they can fit you into your allotted slot or how you will be fitted into the start at the first convenient time, but your race time will run from your original start time. The start official will note the time slot you started in. If you consider that you have a valid reason for being late, explain that to the event controller after you have finished, and if the reason is proved valid, your race time will be calculated on your actual start time.

Start Times

- Start times will be up on the New Zealand Champs website the week before the event.

Results

- Results will be displayed at the event centre during the event. They will also be available on the website immediately after each event.

RULES AND TECHNICAL

Competition Rules

This competition will be run in accordance with the Orienteering NZ Competition Rules for New Zealand MTBO Orienteering Events <http://www.orienteering.org.nz/wp-content/uploads/2013/12/ONZ-MTBO-Rules-2014.pdf>.

We strongly advise all competitors to become familiar with these rules, particularly overseas or new competitors who may not be familiar with some New Zealand applications. These rules indicate what is allowed or disallowed during an event, and anyone in breach of these may be disqualified.

In general, riders will primarily use the tracks and roads indicated on the map. Any tracks marked with a purple cross however are prohibited and cannot be used. In the Middle distance event there are also walking tracks which cannot be used – these are marked in light grey on the map. The Middle distance event also includes one way tracks, marked by a purple arrow, which **MUST** be ridden in the direction of the arrow only.

Off track travel **is allowed** on terrain marked as:

- Bright yellow/orange – this is open land.
- Yellow dots – this is open land with scattered trees.
- White – this is forest that is allowed to be crossed.

Off track travel **is NOT allowed** on terrain marked as:

- Green or green stripes – this is forest that cannot be crossed or entered.
- Light yellow – this is rough open land that cannot be crossed or entered.

Riders found riding through areas not allowed, or in the wrong direction on one way tracks, will be disqualified.

See legend below:

LEGEND for the Sprint, Middle and Long

<p>You MAY travel across...</p> <p>This open land</p> <p>This forest (white)</p> <p>Scattered trees</p> <p>One way travel only</p> <p>Obstacles</p> <p>Fence (crossable)</p>	<p>You may NOT travel on...</p> <p>This open land</p> <p>This forest (green)</p> <p>Forbidden access</p> <p>And you may not use these areas OR tracks</p> <p>Fence (uncrossable)</p> <p>Cliff / Earthbank (not passable)</p> <p>Uncrossable / forbidden route</p>
<p>FAST RIDING</p> <p>Paved areas / Roads</p> <p>One vehicle width</p> <p>Single-track</p>	<p>Contours</p> <p>Small hills</p> <p>Buildings</p> <p>Manmade object</p> <p>Prominent tree / bush</p>
<p>MEDIUM RIDING</p> <p>One vehicle width</p> <p>Single-track</p>	
<p>SLOW RIDING</p> <p>One vehicle width</p> <p>Single-track</p>	
<p>DIFFICULT TO RIDE (may have to dismount)</p> <p>One vehicle width</p> <p>Single-track</p>	

Variation from the Rules

There is one variation from the ONZ MTBO competition rules which competitors should be aware of:

- Control codes – The current rules state that control descriptions on maps should have the control number followed by the control code in brackets, E.g. 3 (125). For this championship the practice will be the control number followed by the control code with a hyphen, e.g. 3–125.

Protests and Complaints

- If you wish to make a complaint regarding an infringement of the rules or the organiser's directions, please do so in writing at registration. This must be done within 60 minutes of you completing your course. The event controller will consider the matter that you have raised and let you have their decision. There is no charge for making a complaint.
- If you are not satisfied with that decision, you may ask that the complaint be considered as a protest. A fee equal to the entry fee that you paid for that day's course is then payable, but this fee will be returned if your protest is upheld.
- Protests will be considered by a jury of experienced MTBO controllers.

Mapping

All areas have been mapped to the NZ MTB Orienteering specification as described in the Orienteering NZ Mountain Bike Orienteering Rules.

Sprint, Middle, and Long maps will all be printed on Teslin Nevertear waterproof paper.

SPORTident Air+ Timing System

- SPORTident Air+ timing will be used for all events.

- This is a contactless system. The checkpoint boxes will register a competitor visiting a checkpoint when they are within 50cm proximity of the checkpoint with a beep and a small light flashing. It is critical to ensure you have registered a punch at the control – this will be signaled by an audible beep and a flashing light in the SPORTident stick (SPORTident Air Card or SIAC). The onus will be on the competitor to ensure their SIAC records them visiting a checkpoint. Finish controls will not be Air+ activated. Competitors will need to punch the Finish control (ie insert the SIAC stick into the finish control).
- Ensure you clear, check and test your SI stick before each race, as this erases any previous race data and turns on the Air+ mode. Failure to do this may result in an invalid or no race result due to corrupted race data being stored on the SI stick or the stick not registering when you visit a control.
- Please ask if you have any questions.

CLASSES & WINNING TIMES

Grade	Sprint Distance Event		Middle Distance Event		Long Distance Event	
	Course	Approx Winning Time (mins)	Course	Approx Winning Time (mins)	Course	Approx Winning Time (mins)
Mens Open	1	22	1	60	1	110
M16	3	22	3	55	3	90
M20	1	22	2	55	2	100
M40	2	22	2	55	2	100
M50	2	22	3	55	3	90
M60	3	22	4	55	4	85
M70	4	22	5	50	5	80
Womens Open	2	22	2	55	2	100
W16	4	22	4	55	4	85
W20	2	22	3	55	3	90
W40	3	22	3	55	3	90
W50	3	22	4	55	4	85
W60	4	22	5	50	5	80
W70	5	22	6	45	6	70
Recreational 1	3	22	3	50	3	85
Recreational 2	5	22	5	45	5	80

DINNER, PRIZEGIVING AND CATERING

Dinner and Prizegiving

- There will be a dinner and prizegiving event for the Middle and Sprint Distance championship events on Saturday night at the Rotorua Commercial Travellers (CT) Club, 26 Moncur Drive, Rotorua 3010.
- This will be a two course buffet meal.
- Drinks from 6pm, dinner at 7pm. There is a separate room where we will be seated.
- Prices: Adult (13 years or older) - \$28, Child (6 to 12 years inclusive) - \$14, Pre-School (5 years or younger) – Free. Drinks can be purchased separately at the bar.
- Meal tickets for those who have pre-registered will be given out at registration.
- If people do not wish to have dinner, but wish to attend prize giving, they are very welcome. This will take place at approximately 8pm.
- Prizegiving for the Long Distance event will happen at the conclusion of racing, at approximately 2.00pm Sunday.

Event Catering

- Note there will be no catering at any of the events.
- The events are all in close proximity to local cafes and eateries. Ciabatta Bakery (38 White Street, Rotorua) and Essence Café (125A Ngongotaha Road, Ngongotaha) are good options for lunch on your way from the Middle to the Sprint event.

SUPPORTERS & LANDOWNERS

Orienteering Bay of Plenty (OBOP) is extremely grateful to the Tokoroa Mountain Bike Club, Hancock Forest Management, Scion, Tui Ridge Park, Rotorua Lakes Council, CNI Iwi Holdings, and Timberlands Limited for enabling access to various areas used for this event. We would also like to thank Wildfire Sports who assisted with spot prizes, and acknowledge Taupo Orienteering Club and North West Orienteering Club who have shared equipment, as well as volunteers for the event.

Tokoroa

**Mountain
Bike Club**



**WILDFIRE
SPORTS**



Taupo Orienteering Club



BIKE SHOPS

Rotorua has numerous good bike shops for mechanical services, bike parts and other gear. Two good and central city options we recommend are NZO Ride Central (131 Amohau St, phone (07) 347 7775); and Cycle Zone (1299 Fenton Street, phone (07) 348 6610).