

**North Island Secondary School Orienteering Championships 2021**  
**Te Whakataetae Awhe Ararau o Ngā Kura Tuarua o Te Ika-a-Māui**  
 29<sup>th</sup> April – 1<sup>st</sup> May



**Programme**

Thursday 29 <sup>th</sup> April	Massey University Campus, Palmerston North
Friday 30 <sup>th</sup> April	Scott's Ferry, near Bulls
Saturday 1 <sup>st</sup> May	Massey University Farm, Palmerston North



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# O-LYNX

The host clubs acknowledge the support of Phillip and Jane Herries who are providing the live results using O-Lynx

## **Welcome**

Welcome to the North Island Secondary Schools' Orienteering Championships 2021. This event incorporates years 7/8 and up to year 13 students. The event is officially sanctioned by School Sport New Zealand and Orienteering New Zealand.

We are looking forward to great orienteering over the three-day championships. To all the participants. Enjoy the challenging courses, embrace the competition against fellow students, but most importantly have fun!!

Orienteering is an amazing sport for the places it can take you and the camaraderie amongst athletes. If you are relatively new to this sport, we hope you will take part in more events in the future after your experiences this weekend.

Your hosts Red Kiwi Orienteer's (RK) and Orienteering Hutt Valley (OHV) have the great pleasure of hosting this event. The event organisers contact email is [andrew.ohv@xtra.co.nz](mailto:andrew.ohv@xtra.co.nz), we may not be able to reply immediately to emails, so if you have urgent queries please phone Andrew on 027 570 0475.

## **Information**

The event website will contain all the main source of information. This includes Start times, this Bulletin, results, and additional resources for the three-day event. All information can be downloaded from the website as it becomes available. There is also a Facebook page <https://www.facebook.com/North-Island-Secondary-Schools-Orienteering-Championships-2021> if you wish to participate online with your fellow competitors and/or the event organisers.

## **Bulletin**

Please ensure all participants have read the information in the final version of this event bulletin. Additional information which becomes available during the event will be placed on the Noticeboard outside the Registration tent, announced by the Commentary Team, and uploaded to the event website as soon as we are able.

## **Support**

RK and OHV would like to acknowledge and thank Ernslaw One Ltd the landowners of Santoft Forest, and Massey University for allowing the use of their property for the event.

## **Our Team**

Thank you to the large contingent of RK and OHV club members who have volunteered their time to organise and deliver these North Island Secondary School Championships. Without their dedication and commitment, this event could not take place.

Greg Sawyer  
President Red Kiwi Orienteers

Simon Rea  
President Orienteering Hutt Valley

## North Island Secondary Schools 2021 Schedule

Thursday 29 <sup>th</sup> April, Sprint Distance at Massey University	
Registration opens	12.30 pm
First Start	2.00 pm
Course closure	4.30 pm
Friday 30 <sup>th</sup> April, Long Distance at Scotts Ferry	
Registration opens	9.30 am
First Start	10.30 am
Course closure	3.30 pm
Saturday 1 <sup>st</sup> May, School Relay, at Massey University Farm	
Registration opens	8.30 am
First Start	10.00 am
Course closure	12.30 pm

## Event Locations



## **Event Locations**

### Sprint and Relay

The Sprint and Relay events will be held at Massey University in Palmerston North.

**Access to both the Sprint and Relay events is Albany Drive via Old West Road (SH57) entrance only.** We have arranged a dedicated free parking space to the southwest of the main carpark for both days. The entrance is off Albany Drive. For further information, see the Sprint and Relay details within the bulletin.

### Long Distance

The long-distance will be held at Scotts Ferry at the end of Parewanui Road, southwest of Bulls on the Northern side of the Rangitikei River. Access to the event is from Parewanui Road and will be sign posted from the corner of Parewanui Road and Raumai Road. For further information, see the Long details within the bulletin.

## **Health and Safety**

### Covid-19 Protocols Level 1

Because competitors will be travelling from all parts of the North Island, we will be asking everyone to:

- Scan the onsite QR tracking code
- Observe social distancing
- Sanitise frequently
- Whilst out on course, try to keep a separation between yourself and fellow competitors. This includes making space for overtaking others in a respectful way and quickly moving away from the control site once punched (creating space for others) Common courtesy is the best practice here.
- Follow all government guidelines, including use of masks where appropriate

Please do not attend the event if

- You are feeling unwell or are in contact with someone that is unwell.
- You have been advised to stay at home by a health professional.
- You have been in close contact with a suspected or confirmed case of COVID-19 until you have completed the prescribed quarantine period of 14 days, even if you are completely symptom free.
- You are waiting for a COVID-19 test result or if you are self-isolating.

## **Personal Responsibility and Safety**

Comprehensive Health and Safety plans are kept at Registration in the Event Centre and can be viewed on the website. Competitors should use common sense at all times to ensure their own and others safety. Check for specific hazards in the event information and on the Hazards Board at the Event Centre.

For your own safety it is compulsory to carry a whistle during the Long Distance event. Use your whistle if you need urgent help because of an injury or distress. The recognised distress signal is a series of six short blasts on a whistle. Pause and listen for reply and repeat to allow them to locate you. Do not use your whistle unless it is an emergency.

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, all competitors must punch the SportIdent Finish control even if they do not complete their course.

### **First Aid**

The closest Accident and Emergency care facility is:

Palmerston North Hospital

50 Ruahine Street

Palmerston North 4442

Phone 06 356 9169

First aid will be available at events. Should you require first aid during the Sprint and Relay, go to the first aid area near registration. During the Long, first aid is provided by Pro+Med, who will be located at the event centre.

However, we would also ask that you bring your own first aid kit and tend to minor injuries such as cuts and grazes yourself.

### **Event Cancellation**

Cancellation of the event will occur in conditions that are too dangerous for safe competition. Situations that might lead to cancellation are changes to Covid-19 alert levels, fire risk, extreme weather, loss of access, serious earthquake, or death of a competitor or spectator. Should any of the events need to be cancelled, this information will be posted on the event website and Facebook page. An email will also be sent to all participants, using the email address provided as part of their entry, as soon as practical after the decision is taken.

### **Rubbish, Waste and Caring for the environment**

The organisers aim to be eco-friendly and reduce waste where possible. The North Island Secondary Schools event runs a 'Pack-in, Pack-out' policy, so if you carry it into the venue, please carry it out again, rubbish included. Please bring your own water bottle to the event each day for use. There will be no paper cups or water stations at the event.

### **Cell phone coverage**

There is coverage at all three event centres.

## **Catering**

There will be a coffee cart (Fiore Coffee) at events. Hot and cold drinks and limited amount of snack food may be purchased.

## **Fair Play**

We ask all competitors to 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 competition arenas. A competitor who breaks any rule, or benefits from the breaking of any rule, may be disqualified. Competition maps will be collected at the end of each race and distributed after the last start of the day.

Please note that due to the size of their group, Mount Albert Grammar School have booked hostel accommodation within the Massey University campus. They are acutely aware of the need to ensure fairness and have agreed with the Controllers of the Sprint and Relay competitions for appropriate and strict protocols with severe consequences if they are not followed.

## **Clothing**

Competitors should bring a range of clothing and sunscreen to allow for all weather possibilities. As this is a school's event, it is recommended that you wear your school's sports uniform if you have one to compete in. If the forecast is for very cold weather, please have suitable clothing such as a thermal layer to wear under the uniform. In addition, bring a parka or rain jacket when there is a chance of rain. Full body cover is recommended for the Long event. Make sure that you bring a change of dry clothes, including socks and shoes to change into after your course.

## **Event Centres**

Each race will have an Event Centre which will incorporate Registration, Toilets, First Aid, the Finish, and a hot drink cart. There will be very limited cover for competitors, so schools are encouraged to bring their own tents. Lost property can be handed in to Registration at the Event Centre. If you have lost something, you are welcome to see if it has turned up there at any time.

## **Team Managers**

First and foremost, we'd like to thank the team managers and everybody else involved in the organisation of all the student participants. Thank you for your efforts, commitment, and support. As a team manager, you have the big job of being responsible for the well-being of all competitors under your care. The team manager can be the school sports coach, a school manager, teacher or parent who is available at each event.

It is the responsibility of the team manager to make sure all competitors are aware of the information contained on the NISSOC21 website and this bulletin. It gives information on how to get

to the venues, important information about starting and finishing procedures and combined with the start time lists, when to be there.

Each student should be at the competition venue at least 45 minutes before their start time. As team manager, please direct parents to the NISSOC21 website for the most up-to-date information. Last minute changes will be uploaded to the website and announced via the Facebook page. It is the team manager's responsibility to notify the event's controller if a competitor has not yet returned after a race. The team manager is responsible for the transport of all the team's competitors to and from each venue.

### **Registration Packs**

Registration packs for schools will only be issued to team managers, rather than to individual students. The pack will include, hired SportIdent (SI) cards.

Each competitor must provide their own Whistle. It is compulsory to carry a whistle for the Long event. No Whistle – No race. It is recommended that all competitors name their whistle with a permanent marker. There are limited additional whistles available for purchase (\$2) at Registration. The race pack will not include a printed copy of this Bulletin or Start Lists. As a precaution in case of limited mobile phone coverage, we strongly suggest that the team manager has a downloaded version of the Bulletin and/or Start Lists on a device which can be kept charged for long periods of time and/or has a printed version or both, so all information is readily available independent of your location.

### **Results & Prizegiving**

Results will be posted on the NISSOC21 website and on winsplits at the conclusion of each days racing. <https://nissoc21.orienteering.org.nz/>

There will be prize giving at the completion of each event (weather dependent) to acknowledge the podium winners (1st,2nd & 3rd) of each grade, Top School, Premier School and Small team School winners. The timing of prize giving will be as soon as winners can be determined at the completion of each day's event.

### **Live Results on O-Lynx**

At the event, live results will be displayed on screens via O-Lynx. These maybe available online during events at <http://o-lynxlive.com/>

### **Electronic Punching – SI System**

SportIdent punching system will be used. Competitors may use their own or hire from the organisers via the entry process. SI-cards must be cleared and checked before each race. Stations to clear and check SI-cards will be in the prestart area.

SI Air will be turned off. All SI Cards, whether SI Air or just SI must be put into the hole in the control to register the punch.

The control will beep, and/or flash. If you are unsure whether your punch has been registered, please clip your map in the box provided on the map and show it to the official at the download.

### Control Descriptions

Control Descriptions will be printed on the front side of all competition maps (Symbols for Red, and English text for Orange, Yellow and White courses).

Loose copies of the control descriptions will be available in the start lanes as part of the start procedure (the symbol version is available to the loose Orange courses). 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.

### Controls

At each control, insert your SI-card into the control unit until the unit beeps and flashes. If you punch an incorrect control, ignore it and continue to the correct control; the extra punch will be disregarded by the results software.

If the SI-card stops working or does not function (there is no beep and no flash) then use the control punch to clip your map next to the control description. If you have pin punched any controls on your map, you must hand the map in at the finish Desk before leaving the Finish area and explain what you have done.

At the Finish line punch at one of the SI units. Your elapsed race time only stops when you punch one of these units. Competitors must punch one of these Finish units even if they do not complete their course.

### Start Lists

Start times will be available at <https://nissoc21.orienteeing.org.nz/> from 26th April, and at the Event Arena and at pre-starts.

### 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. In the Start area, runners will be required 4 minutes before their start time and pass through four consecutive starting pens, standing one minute in each.

The prestart clock will be set 4 minutes before your actual start time, and the clock at the start line will display the actual start time.

Prestart	-4 mins	-3 mins	-2 mins	-1 mins	0 mins
	Check name, start time and SI-Card number	SI Check	Gather control descriptions	Maps	Go

Pre-start: Runners clear and check their SI-Card.

In the start pen, Odd course numbers will be on your left and Even on your right.

-4 minutes: SI-Card number, name and the starting time are checked.

-3 minutes: Each runner inserts their SI-card into a Check box. Runners without an SI-card will not be allowed to start

-2 minutes: Loose control description sheets are available for runners to pick up (optional). The control descriptions will also be printed on the map.

-1 minute: Maps. The runner stands beside the map issue box labelled with his/her correct course and class. The start-countdown will be indicated by a series of 6 beeps at -5 to 0 seconds. At the last beep, the runner's race time begins and the runner can take the map from the map issue box.

It is the runners' responsibility to pick up the correct map and descriptions for athlete's course.

Runners will then follow the marked route to the start point which is indicated by a control with a flag (but without an SI punching unit) in the terrain and a triangle on the competition map.

### **Late Start**

If you realise that you will arrive at the event late, please call/text 027 570 0475 as a heads up.

Runners who arrive to the start late must report to the late start lane where an official will accompany him/her. Control descriptions and the competition map will be handed over by an official, and the competitor then starts the race when told to do so (IOF Rule 22.9) using a punch to Start.

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 Problem Desk before leaving the Finish Area.

### **Finish Procedure**

All runners, including those runners who do not complete the whole course, are required to pass and/or punch one of the SI units on the Finish line. Runners who do not register at the Finish line will be considered as missing in the terrain, which may cause a search for the missing person. Each runner must download their SI-card at one of the manned download stations. Maps will be collected. After download and returning of hired SI-Card, runners are free to go.

## **Competition Rules**

NZSSOC Special Rules June 2020 apply to this event, please refer to Orienteering NZ webpage <https://www.orienteeing.org.nz/resources/rules/>

## **Complaints and Protests**

In accordance with the ONZ (2021) Rules 27, 28 and 29, complaints must be made in writing to the Controller as soon as possible, but within 60 minutes of the affected competitor finishing. A complaint is adjudicated by the Controller. The Controller's decision on a complaint must be advised to the complainant and displayed on the results board as soon as possible, but in any case, within 60 minutes of receiving the complaint. (ONZ rule 28.3).

A protest may be made against the Controller's decision about a complaint (ONZ rule 28.1). A jury panel shall consist of a panel of 3 controllers from clubs other than RK or OHV. After due consideration, the jury will communicate their decision to the complainant. A fee equal to the days entry fee for the class in question shall accompany any protest. This will be returned if the protest is accepted (ONZ rule 28.4)

## **Casual Starts:**

Casual starts are available at the sprint and long events, after all the competitors have started. Participants must report to the event registration and sign in before they start.

Casual fees: \$10 per map, \$3 per SI-Card hire. You must download upon returning to the Event Centre, regardless of how much of the course you completed. All casual starts must return by the course closure time.

## Points Competitions

### Top Secondary School Competition

This is the longest running competition and caters for the broadest spread of students. It is intended that the trophies go to the schools that display the greatest depth of orienteering talent at all levels. There are separate trophies for boys and girls.

- 1) Only 3 competitors in each age grade will contribute to the school's points for any one race. Therefore, a maximum of 9 competitors (3 at each age group) will be able to earn points for their school for any one race for either the boys or girls trophies. Over the full competition, different team members may score on different days meaning many more than 9 athletes may contribute to a school's points. A "no-blocking rule" applies (see below): remaining competitors from the school are removed from the results for the purpose of points allocation only.
- 2) In the individual Sprint competition, the best three results at each age grade will be counted. Only one level is offered.
- 3) In the individual Long competition, the best three results at each age grade, whether in the Championship, Standard or Novice event, will be counted. A school can gain points from no more than two athletes from outside the Championship grade, except when the "same points rule" applies (see points calculation notes below).
- 4) When the points for the third contributing competitor for a school in a grade could come from different grades, the "same points rule" applies (see points calculation notes below).
- 5) In the relay, only the highest positioned team from any school in each age grade will count. (Runners in composite teams do not count).
- 6) When two competitors receiving points tie in any race, they each gain the points appropriate for their placing. For example, if there is a tie for 5th place both get points for 5th place. The next counting athlete gets points for 7th place.

Points for this competition are as follows:

Individual Sprint:	1st = 25 pts, 2nd = 24 pts, 3rd = 23 pts, down to 25th = 1 pt
Individual Long Championship:	1st = 25 pts, 2nd = 24 pts, 3rd = 23 pts, down to 25th = 1 pt
Individual Long Standard:	1st = 10 pts, 2nd = 9 pts, 3rd = 8 pts, down to 10th = 1 pt
Individual Long Novice:	1st = 3pts, 2nd = 2pts, 3rd = 1pt.
Relays:	1st team = 60 pts, 2nd = 54 pts, 3rd = 48 pts, down to 10th = 6 pts

### Premier School Competition

This competition is for Boys and Girls with a Trophy for each. It is aimed at encouraging schools to support their top performing competitors at national level. The winners are the schools that have the best performance by their top competitors at Championship level only. The results of one competitor from each school in each Championship age grade count, with points from 10 for 1st to 1 for 10th.

### Small Teams Competition

This competition is to cater for schools who have insufficient numbers or an inadequate spread of students to compete seriously in the Top School Competition. It is restricted to schools that have

entered 5 or fewer competitors, as determined on the day of close of entries. There are separate boys' and girls' Competitions. Mixed schools with more than 5 competitors in total but whose boys, girls, or both teams number fewer than 5 competitors are eligible for the Small Teams Competition. Certificates are awarded to the winning school and the place getters. This competition will be based on results in the Top School Competition.

### Year 7/8 Competition

This competition follows the rules of the Top Schools Competition. There are only 2 grades: Boys and Girls.

#### Points Calculation Notes

1. The "no blocking" rule. This means that once a school has scored its best competitors then any further competitors from the same school do not interfere with points. Eg in the top school competition, if a school has runners at 2, 4, 6 and 7, the school will score 24, 22 and 20. The 7th place getter is then removed from the equation so the runner who is 8th will score 19 points (as though he/she were 7th).
2. The "same points" rule. This relates to the unusual case where a school has two team members on the same points, either of whom could be considered to generate the points for the third counting runner in a grade. This has arisen when two athletes from the same school and same grade, but competing in different classes (championship, standard, or novice) have shared the same points. The points are to be awarded only for the runner from the less technical class (novice -> standard -> championship). This does not affect the school's points, but leaves more points available for distribution to remaining competitors in the more technical grade. An example is where the runner 11th in Championship and 1st in Standard are both at the same school in the long distance. By attributing 15 points from the standard grade, the 15 points for 11th place in the championship grade remain available and now given to the 12th place competitor (as the 11th place championship competitor will be removed from calculations by the no blocking rule). Although points are not allocated to the higher technical grade competitor, their achievement is valued.

## Definition of Grades and Difficulty Colours

The following is provided to guide team managers in which course to enter individual athletes for the long event. Orienteering courses are colour coded by difficulty. The skills required for each difficulty level are indicated below. We expect that many athletes will not securely have the requisite skills for the championship course at their age grade. We strongly encourage these less experienced athletes to enter the standard course for their grade. Competing on the right course will improve an athlete's enjoyment and confidence in the sport.

**RED:** Red courses are set to make the navigation as difficult as possible. They require competitors to be very competent at reading contour detail, using bearings and handling the full complexity of an orienteering map. Frequently fences are left off maps used for red courses, requiring greater dependence on terrain recognition for navigation. Control sites on red courses can be on small features with no catching or collecting features. Competitors should be experienced at running red courses and have good route planning skills. Inexperienced runners can find it difficult to relocate if they do not navigate successfully to a control.

**ORANGE:** Orange courses competitors must be competent at reading distinct contour features, very competent at reading vegetation patterns, watercourse, rock, track types and building features, and be able to set and follow a basic compass bearing and have some ability to judge distances in event terrain. The best route between controls will often be away from simple navigation features like fences and tracks. Competitors should have extensive experience in running yellow courses and have some experience at the orange level of difficulty prior to entering the championship. Orange courses are set so that there is a catching feature (e.g. a distinct track, fence or stream) some distance after the control. This means that inexperienced runners should be able to relocate if they overrun a control.

**YELLOW:** Yellow courses follow linear features (e.g. tracks, fences, vegetation boundaries and streams), however controls are frequently sited off the route being followed. Competitors need to be able to orient their map using a compass in order to choose their direction to go in and be able to recognise features that will lead them from their linear feature and into the control. The fastest route between controls may be away from the network of linear features. Competitors should be confident running white courses and have run yellow courses successfully before entering the championships. The structuring of courses around linear features means that an athlete with good recognition of these features on the map and the ground should be able to relocate easily.

**WHITE:** White course competitors need to be able to read basic map features, follow linear features (e.g. tracks, fences, vegetation boundaries and streams) to control points and use a compass to orient their map to north. There will be controls at each significant decision point around the course. The white course is designed to minimise the chance that a competitor will become lost and need to relocate.

## Individual Sprint Distance Championships

### Massey University Campus

Date	29 <sup>th</sup> April 2021
Location	Massey University Campus, Palmerston North
Map	Recently updated campus map
Mapped by	Russell Higham
Planner	Greg Sawyer
Controller	Russell Higham
Land Owners	Massey University
Terrain	A wonderfully-complex campus area, generally flat in the park-like surrounds of Massey University
Footwear	Trail or running shoes recommended (with no metal spikes)
Event Centre	See the map below to navigate to the event centre from the car park. Walk along marked route to the event centre following the signs. It is important that all competitors stay away from the out of bounds areas which are all areas of the campus within the ring road.
Event Information	This is a sprint orienteering event. International Orienteering Federation sprint map symbols have been used and competitors must comply with symbols that are impassable and uncrossable - see below under Map Notes
Spectator Control	There is no designated spectator control. Some courses have controls close to the finish that are visible from the event centre.
Driving Directions and Parking	The Sprint event will be held at Massey University in Palmerston North. <b><u>Access to both the Sprint and Relay events is Albany Drive via Old West Road (SH57) entrance only.</u></b> We have arranged a dedicated free parking space to the southwest of the main carpark for both days. See the map below for directions. The entrance is off Albany Drive. Do not go through the barriers into the paid parking. If you do, you will need to pay at least \$2.70 to get out. There will be suitable signing and a staffed gate into the area and people should then walk along the road to the event centre following the signs.
GPS Coordinates	40.3874 S, 175.6198 E
Warm-up Area	Along the route to the Start
Start	Approximately 700m from the Event Centre along a marked route. You must stay on the marked route.

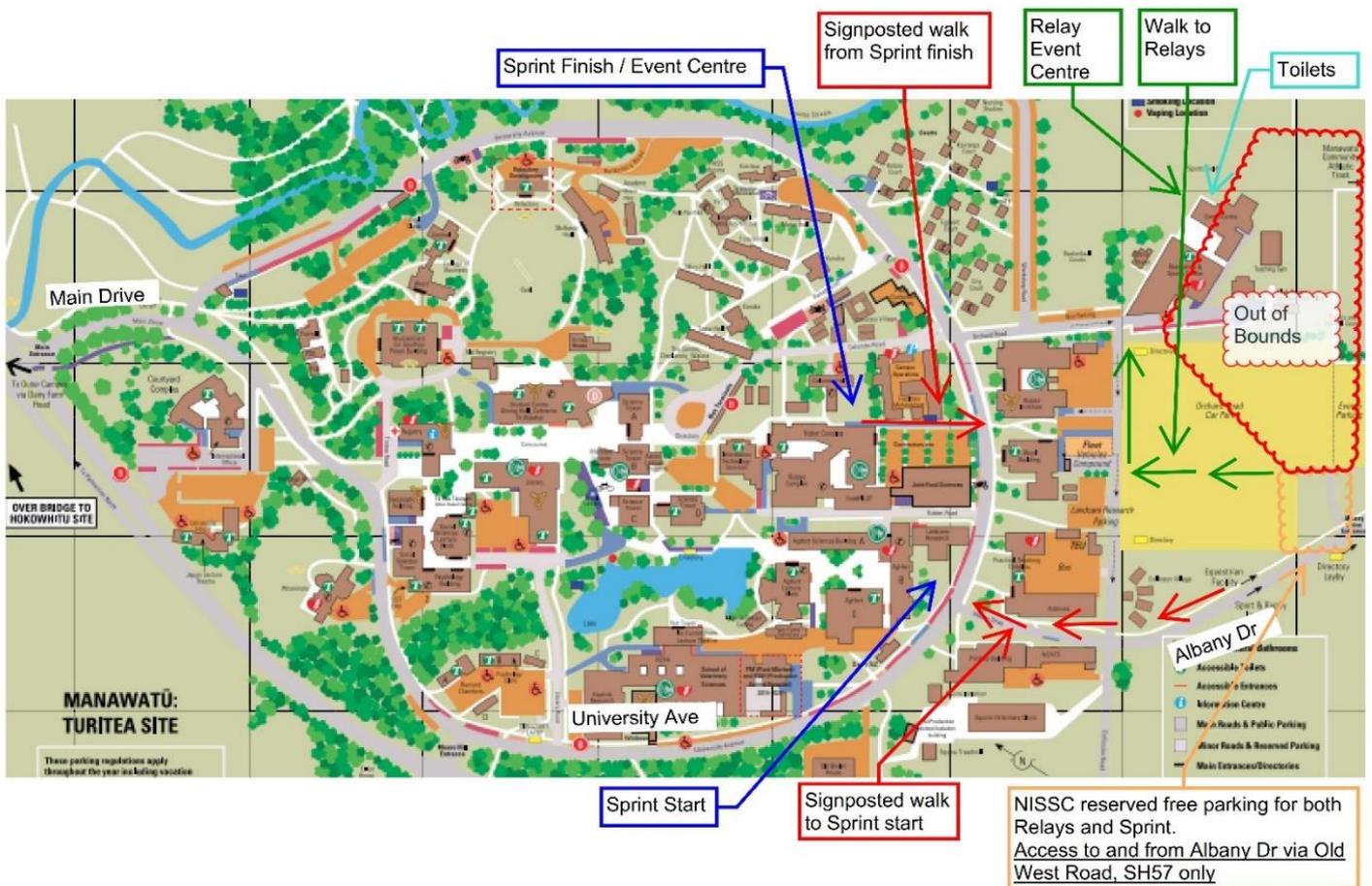
Hazards	<p>Competitors should take care running around blind corners, especially when trying to read the map, so as not to collide with a competitor running the other way. The terrain has steps and level changes. If conditions are wet, the paths and grassed areas maybe slippery.</p> <p>There will be staff, students and members of the public moving around the competition area. Please be considerate of other users of the space and avoid collisions with them, especially in narrow passageways and on stairs.</p> <p>There will be moving vehicles on roads and driveways. Please be careful crossing roads and driveways. There will also be lots of parked vehicles.</p>																								
Out of Bounds	For safety reasons the ring road is out of bounds to all runners. All courses are within the ring road so there is no need to cross the ring road at any time.																								
Finish	At the Event Centre																								
Toilets	At the back of the rec centre, approximately 600m away, please refer to the map below.																								
Mapping Notes	<p>The map is to Sprint map specs (ISSprOM) and the following are not allowed to be crossed.</p> <table border="0"> <tr> <td></td> <td>201 Impassable cliff</td> <td></td> <td>520 Area that shall not be entered (area)</td> </tr> <tr> <td></td> <td>301 Uncrossable body of water (area &amp; line)</td> <td></td> <td>521 Building</td> </tr> <tr> <td></td> <td>307 Uncrossable marsh (area &amp; line)</td> <td></td> <td>529 Prominent impassable line feature</td> </tr> <tr> <td></td> <td>410 Impassable vegetation</td> <td></td> <td>708 Out-of-bounds boundary</td> </tr> <tr> <td></td> <td>515 Impassable wall</td> <td></td> <td>709 Out-of-bounds area</td> </tr> <tr> <td></td> <td>518 Impassable fence or railing</td> <td></td> <td>714 Temporary construction or closed area</td> </tr> </table> <p>For Sprint Orienteering using the ISSprOM symbols if a feature is marked on the map as impassable or uncrossable using any of the symbols above, you may not pass or cross it even if it is physically possible to do so, and you will be disqualified if you try.</p>		201 Impassable cliff		520 Area that shall not be entered (area)		301 Uncrossable body of water (area & line)		521 Building		307 Uncrossable marsh (area & line)		529 Prominent impassable line feature		410 Impassable vegetation		708 Out-of-bounds boundary		515 Impassable wall		709 Out-of-bounds area		518 Impassable fence or railing		714 Temporary construction or closed area
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	515 Impassable wall		709 Out-of-bounds area																						
	518 Impassable fence or railing		714 Temporary construction or closed area																						
Map Scale and Contour Interval	Scale 1:4000 (SB & SG), and 1:3000 for the rest, Contours 2.5m																								
Course Closure	4.30pm																								
Public Courses	These are available to run approximately 15 minutes after the last competitor starts. Please check in at registration.																								

## COURSE DETAILS

Course Number	Length (km)	Climb (m)	Classes	Controls	Control Description
1	2.9	35	Senior Boys	24	Symbol
2	2.6	27.5	Senior Girls	21	Symbol

3	2.3	25	Intermediate Boys	21	Textual
4	2.1	25	Intermediate Girls	17	Textual
5	2.0	17.5	Junior Boys	17	Textual
6	2.0	15	Junior Girls	14	Textual
7	1.3	5	Year 7/8 Boys	13	Textual
8	1.2	5	Year 7/8 Girls	13	Textual

### EVENT CENTRE LAYOUT



## Individual Long Distance Championships Scotts Ferry

Date	30 <sup>th</sup> April 2021
Location	Scotts Ferry, at the end of Parewanui Road, southwest of Bulls on the Northern side of the Rangitikei River
Map	Recently updated Scotts Ferry map
Mapped by	Russell Higham
Planner	Malcolm Ingham
Controller	Russell Higham
Land Owners	Ernslaw One Ltd
Terrain	This area is typical forested dunes found along the Horowhenua/Manawatu coast. Runnability is fast and open under the trees.
Footwear	Orienteering shoes
Event Centre	The event centre is located approximately 500 m beyond the village of Scotts Ferry.
Spectator Control	N/A
Driving Directions and Parking	From the junction of SH1 and SH3 in Bulls travel approximately 25 km south-west on Parawenui Road. Parking and the event centre are approximately 500 m beyond the village of Scotts Ferry. Park on the grass verge on the N and S sides of the road.
GPS Coordinates	40.2773 S, 175.2274 E
Warm-up Area	To the south of the Event Centre
Start	Approx. 500 m from the Event Centre. Follow the road back towards Scotts Ferry village and tapes through the forest.
Safety Bearing	If east of the main forest road, west to this road and then south to the Event Centre. If west of the main forest road, east to this road and then south to the Event Centre.
Hazards	Some thinnings in places and low branches.
Out of Bounds	All forest to the north of the Event Centre.
Finish	Adjacent to the Event Centre.
Toilets	At the Event Centre.
Mapping Notes	* The forest provides fast running nearly everywhere, but the ground is generally very soft * In the southern part of the area there are many MTB and trail bike tracks. These have been mapped but are not necessarily easy to follow at speed on the ground.
Map Scale and Contour Interval	Scale 1:7,500, Contours 2.5m

Course Closure	3.30pm
Public Courses	Available for those not intending to run the Central Region OY on Sunday 2 May.

## COURSE DETAILS

Course Number	Length (km)	Climb (m)	Classes	Controls	Difficulty Level	Control Description
1	6.46	67.5	Senior Boys Championship	18	Red	Symbol
2	5.27	55	Senior Girls Championship	14	Red	Symbol
3	4.05	42.5	Intermediate Boys Championship	12	Orange	Map – Textual Loose - Symbol
4	3.57	37.5	Intermediate Girls Championship	11	Orange	Map – Textual Loose - Symbol
5	3.49	35	Senior Boys Standard	12	Orange	Map – Symbol & textual Loose - Textual
6	3.13	32.5	Senior Girls Standard	10	Orange	Map – Symbol & textual Loose - Textual
7	2.50	25	Junior Boys Championship Intermediate Boys Standard Senior Boys Novice	10	Yellow	Map – Symbol & textual Loose - Textual
8	2.41	25	Junior Girls Championship Intermediate Girls Standard Senior Girls Novice	10	Yellow	Map – Symbol & textual Loose - Textual
9	2.18	22.5	Year 7/8 Boys Championship	10	Yellow	Map – Symbol & textual Loose - Textual
10	2.15	22.5	Year 7/8 Girls Championship	10	Yellow	Textual
11	1.72	20	Junior Boys Standard Year 7/8 Boys Standard	8	White	Textual
12	1.72	20	Junior Girls Standard Year 7/8 Girls Standard	8	White	Textual

## EVENT CENTRE LAYOUT



Bike track unclear



Bike track obvious



## School Relay Championships

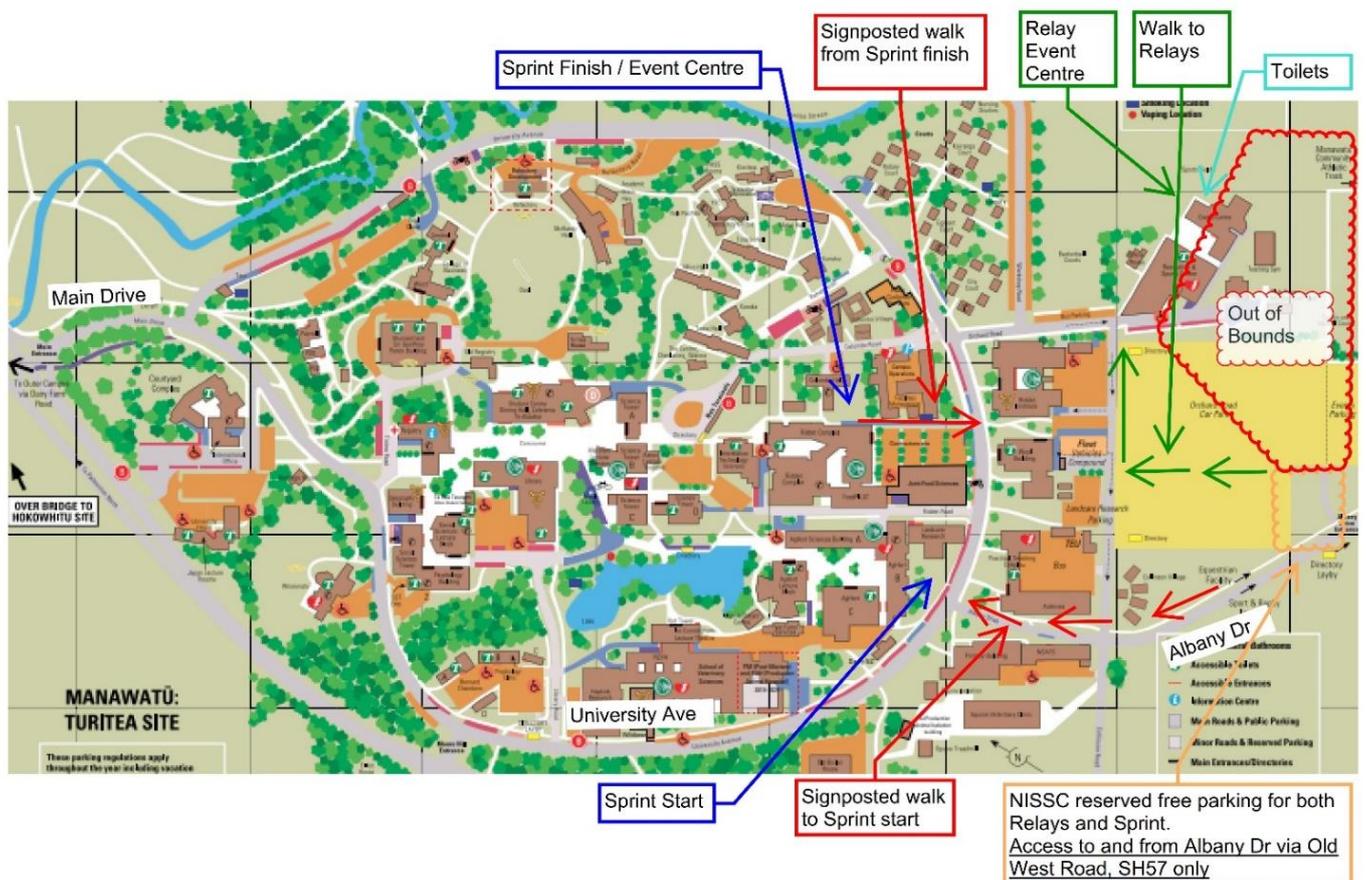
### Massey University Park and Farm

Date	1 <sup>st</sup> May 2021
Location	Massey University Farm, Palmerston North
Map	Recently updated Massey Park and Farm
Mapped by	Russell Higham
Planner	Chris Tuffley
Controller	Tony Paterson
Land Owners	Massey University
Terrain	Park and farm area near the Massey University campus. Generally flat with a few hills to contend with for the longer courses.
Footwear	Orienteering Shoes
Event Centre	See the map below to navigate to the event centre from the car park. Walk along the road to the event centre following the signs. It is important that all competitors stay away from the out of bounds area to the east of the Rec Centre during the relay event. Everyone must walk around the western end of the Rec Centre to get to the event centre.
Event Information	All runners run the <i>Standard</i> grade for their (long event) class — except Legs 1 and 3 of the Junior Boys and Girls, who run their <i>Championship</i> grade.  “Official teams” consist of 3 students, according to the Special Rules for New Zealand Secondary Schools Orienteering Championships (see <a href="http://www.orienteeing.org.nz/resources/rules">www.orienteeing.org.nz/resources/rules</a> ).
Spectator Control	All courses feature at least one leg where runners will be visible to spectators from the event centre.
Driving Directions and Parking	The Relay event will be held at Massey University in Palmerston North. <b><u>Access to both the Sprint and Relay events is Albany Drive via Old West Road (SH57) entrance only.</u></b> We have arranged a dedicated free parking space to the southwest of the main carpark for both days. See the map for directions. The entrance is off Albany Drive. Do not go through the barriers into the paid parking. If you do, you will need to pay at least \$2.70 to get out. There will be suitable signing and a staffed gate into the area and people should then walk along the road to the event centres following the signs.
GPS Coordinates	The event centre is at (-40.3887, 175.6233), next to the Rec Centre on the Massey sports fields. Please follow the directions above.

Warm-up Area	Across the western end of the gym outside the basketball court area.
Start	To the north of the rec centre. It is shown on the map.
Safety Bearing	South until you hit Albany Drive or the stream depending on where you get lost.
Hazards	In the event of a significant rain event and the stream is deemed too deep to be safely crossed, then the obvious stream crossing on the orange courses will be banned and the alternative longer bridged route must be used. There will be a rope across the stream at the crossing point if this is deemed to be OK on the day. If not crossable, the rope will be used as a barrier on the side of the stream rather than go across the stream.
Out of Bounds	For safety reasons the ring road is out of bounds to all runners. Runners must use the strip of grass beside the road. There is no need to cross the ring road at any time during the Relay event. Anyone seen running on the road, it is tempting as it is faster to run on the road than the grass, will immediately lead to the disqualification of their team.
Finish	Same as the starting point
Toilets	Signposted at the back of the rec centre
Water	There is no water on the course or at the finish. Athletes must bring their own water.
Mapping Notes	The map is made using the standard Sprint Map specification ISSprOM 2019 Special Symbols:  ✕ Stump, log, or log pile
Map Scale and Contour Interval	Scale 1:4000, Contours 2.5m
Course Closure	12:30 pm

## COURSE DETAILS

Course Number	Classes	Difficulty Level	Length (km)	Climb (m)	Controls
1	Senior Boys	Orange	3.2	20	17
2	Senior Girls	Orange	2.4	20	13
3	Intermediate Boys	Yellow	2.3	20	14
4	Intermediate Girls	Yellow	2.3	20	14
5	Junior Boys	Y / W / Y	2.3 / 1.4 / 2.3	20 / 0 / 20	14 / 14 / 14
6	Junior Girls	Y / W / Y	2.3 / 1.4 / 2.3	20 / 0 / 20	14 / 14 / 14
7	Year 7/8 Boys	White	1.4	0	14
8	Year 7/8 Girls	White	1.4	0	14





**2020 Grade Winners of North Island Secondary Schools Orienteering Championship.**

<b>Grade</b>	<b>Sprint</b>	<b>Long</b>
Senior Girls	Penelope Salmon Baradene College	Anna Duston Baradene College
Senior Boys	Will Tidswell Havelock North High School	Cameron Bonar Rosmini College
Intermediate Girls	Zara Stewart St Cuthberts College	Zara Stewart St Cuthberts College
Intermediate Boys	Tom Aish Mount Albert Grammar	James McGuire Kings College
Junior Girls	Alicia McGivern Baradene College	Kate Borton Westlake Girls High School
Junior Boys	Sam Carryer Mount Albert Grammar School	Matthew Greenwood Mount Albert Grammar School
Year 7/8 Girls	Kate Robinson Baradene College	Grace Cory-Wright Pasadena Intermediate
Year 7/8 Boys	Blake McKinnon Buckland Beach Intermediate	Jake Walden Pukekohe Intermediate



A follow-up from NISSOC2021 is the New Zealand Secondary School Champs NZSSOC21, held in Hawke's Bay, 23-25 July. Entries open 1 June and close 6 July. Please note these dates in your calendars.

The sprint is at Splash Planet and surrounding urban park, and the long and relay events are on the challenging farmland at Whanawhana.

Preliminary Information regarding maps, locations and embargoed areas and the Entry Information and Rules can be found at the [NZSSOC2021 website](#).

Looking forward to seeing you all in July,

The NZSSOC2021 organising team

