

New Zealand Orienteering Championships

25th – 28th March 2005



Programme

Your hosts: Hawke's Bay Orienteering Club Inc.

Welcome to Hawke's Bay: land of sunshine, fine wine, fresh fruit – and great orienteering events.

We are sure that you will enjoy your four days of orienteering in Hawke's Bay. The maps are diverse, from the historic surroundings of Te Aute College to some of the best farm and native bush maps you will find anywhere in the country.

The terrain can be physically demanding if you wish to make it so. But the courses have been planned to minimise the climb, yet maximise the advantage to be gained by good route choice. Those who get it right will reap the rewards they deserve.

And Hawke's Bay members look forward to sharing your company at what promises to be a great evening on Sunday, at the Havelock North Community Centre, with the prize-giving following a carvery dinner that we know you will enjoy.

The relays on Monday will round out the weekend with the traditional inter-club rivalry of the National Relays, on the wonderful totara and beech covered slopes of Smedley Station.

The team that has put the event together are:

- Pamela Morrison – event co-ordinator; finance; publicity
- Rob McDonald & Max Kerrison – planner and controller, Sprint Distance Championship
- Geoff Morrison & Ken Holst – planner and controller, Long Distance Championship
- Chris Howell & Graham Teahan – planner and controller, Middle Distance Championship
- Hamish Goodwin & Jim Barr – planner and controller, relays
- Alan Berry – Safety Officer; publications; landowner liaison
- Sharon Mardon – entries; relay co-ordinator
- David Fisher – race map production
- Paul Smith – webmaster
- Jo Eames – dinner and prizegiving
- Richard Lynn – equipment and logistics
- Stewart Hyslop – personnel
- Sarah Lambert – certificate production
- Nigel Field – SportIdent control conversion.

For further information, contact Pamela Morrison, phone 0-6-877 4870, or email pamela.m@xtra.co.nz.

General information

This competition will be run in accordance with the NZOF Competition Rules for New Zealand Foot Orienteering Events. These rules may be viewed on the NZOF website. The M21E and W21E courses for the long distance and middle distance events are World Ranking events and will conform to IOF requirements.

Location of the events

The weekend begins with the Sprint event in the grounds of historic Te Aute College, 30 kms south of Hastings on SH2.

The Long Distance championship event will be held on the new Whanawhana map, near the Ngaruroro River, west of Hastings.

The Middle Distance event and the Relays will be run on different sections of the Smedley map, accessible from SH50, southwest of Hastings.

Detailed travel instructions are given in the information for each day's event but for an overview of the map locations, visit the Nationals site at www.hborienteeing.org.nz

Acknowledgements

We gratefully acknowledge the assistance of the organisations and sponsors who have provided support for this event and for the sport of orienteering in New Zealand:

SPARC – Sport & Recreation New Zealand

SILVA

MAPSPORT

The Eastern & Central Community Trust and the Heretaunga Trust, for their assistance with mapping costs.



Timetable

Friday 25th March

NZ Sprint Champs – Te Aute College

Registration opens	12:00 noon
First start	1:30 pm
Maps available	3:35 pm
Presentation to College	3:45 pm
Course closure	4:30 pm
NZOF Annual meeting	7:00 pm at Lindisfarne College, Pakowhai Road, Hastings

Saturday 26th March

NZ Long Distance Champs – Whanawhana

Registration opens	9:00 am
First start	10:30 am
Maps available	1:00 pm
Presentation to Landowners	1:30 pm
Course closure	3:30 pm

Sunday 27th March

NZ Middle Distance Champs – Springvale

Registration opens	9:30 am
First start	10:30 am
Maps available	12:45 pm
Relay team registration	1:00 pm deadline
Presentation to Landowners	1:15 pm
Course closure	3:00 pm
Assemble for dinner	from 5:00 pm, dinner at 6:00 pm
Prize-giving	7:30 pm, same venue

Monday 28th March

NZ Interclub Relay Championships

Registration opens	8:30 am
Briefing	10:00 am
First leg start	10:10 am for Mixed Long 10:20 am for Mixed Short
Massed starts	11:30 am remaining 2 nd leg runners 12:00 noon remaining 3 rd leg runners
Maps available	12:00 noon
Presentation to landowners	12:30 pm

Relays

Eligibility for the relays will be based on the following criteria:

- 1 The actual age class of the competitor. For example, a 43 year old who runs as an M21E in the long distance championship will be eligible to run as M40A in the relay.
- 2 The highest class (that is, E, A, AS, A, B or C) elected for the long distance championship.
 - Any competitor who runs in an A class (including A Short) will not be eligible to run as a B class runner in the relays.
 - Based on the 13 course combination tables in the current NZOF Competition Rules, the equivalence of AS runners for leg eligibility will be: M21AS = M55A; M40AS = M60A; W21AS = W55A; W40AS = W55A.

Electronic punching system

We shall be using the SportIdent electronic punching system for all events.

The e-cards that you carry with you on your course must be electronically cleared and checked before you start your course. As you enter the start area, place your e-card into the “clear” control unit. It will be clearly marked. Hold it there for a couple of seconds and you should be given a red light and a beep, confirming that your card is working and has been cleared. Next, place your e-card into the “check” control unit, to confirm that it is has been properly cleared.

At each control, place the end of the e-card into the hole in the top of the flat box mounted on the control stand. Hold it there briefly until a red light and a beep indicate that the control unit has transferred its number and time on to your e-card. If in doubt, do it again – it does not matter if you record the same control twice. If a control unit should fail during the event and not give you a red light and a beep after a couple of tries, use the clipper on the control stand to punch one of the boxes printed on the edge of your map. Draw this to the attention of the staff at the finish.

If you go to the wrong control and put your e-card into a control unit that is not yours, don't worry. Just find the correct control and go through the process again. The wrong one will be discarded.

When you reach the finish line, don't forget to put your e-card into one of the control units situated directly on the finish line. Again, wait for the beep and the red light, confirming your finish. Then proceed down the chute to the download station, which will read the information off your e-card and print out a sheet showing your course time and the split times between all controls.

Your e-card has a number that is related specifically to you as a competitor. The cards must not be loaned to anyone else during the event. If you lose a hired e-card there will be a charge of \$50 to cover the cost of a replacement.

Start procedure

Please turn up at the start in plenty of time. Note that there is a long walk on the Sunday.

Please ensure that you have cleared and checked your e-card and are ready to enter the starting grid no later than three minutes before your start time, on each of the first three days.

Note carefully: Control descriptions will not be issued at registration. You will pick them up in the second section of the starting grid, so will need an armband or something in which to put the control descriptions.

If you are late for your start, tell the staff. They will fit you into the start at the first convenient time but your race time will run from your original start time. If you consider that you have a valid reason for being late, explain that to the event controller after you have finished.

It is not intended to read out any instructions at the start, other than last minute details. Please ensure that you have thoroughly read the information on hazards and any other relevant instructions from this programme.

Finish procedure

After recording your e-card in the control unit on the finish line proceed to the download station. If you had a control station failure and clipped your map instead, tell the download person and your map will be taken for later review. All maps will be collected until the time of the final competitor's start.

If you do not complete your course, please go through the finish control and the download process, the same as everyone else. Otherwise we will come looking for you.

On your last day, please return any hired e-cards at the finish.

Complaints and Protests

If you wish to make a complaint regarding an infringement of the rules or the organisers' directions, please complete a complaint form, available at registration. This must be done within 60 minutes of completing your course. The event controller will consider the matter that you have raised and let you have his 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 A grade controllers, selected from a panel comprising Bruce Henderson (HV), Mark McKenna (Rot), Marquita Gelderman (NW), Patricia Aspin (CM), Rob Jessop (A).

Out of bounds areas

Areas may be marked on your maps as temporarily or permanently out of bounds. At venues such as Te Aute College, please respect gardens and plantings.

Unless otherwise indicated, all buildings are out of bounds, as are any areas near the start and finish that are taped off and marked as out of bounds.

Safety

Your safety is important to us. We want you to enjoy your orienteering free from accident.

We have identified the most likely hazards that you will come across but you are expected to exercise commonsense around any obvious hazard:

Livestock. Please avoid spooking cattle and horses, in particular.

Fences. Cross at a post. Climb over gates at the hinge end. If you pass through a gate, leave it as you found it.

Electric fences. They should be off but if in doubt, check by touching the fence with a piece of grass.

Cliffs and rocks. Cliffs that are considered impassable have been identified as such by the mappers. Respect their judgement.

Farm machinery and vehicles. Keep well clear and please ensure that any children in your care do likewise.

Any additional hazards specific to a particular map will be identified on a hazards board at registration and also advised at the start.

Failing all else, the Red Cross will be in attendance each day.

Dinner and Prizegiving

The dinner and prizegiving will be held at the Community Centre, Havelock North. This is 300 metres from the centre of the village, on Te Mata Road. Assemble any time from 5 pm, for dinner at 6 pm. The bar will be open.

Everyone is welcome to attend the prizegiving, whether or not they have attended the dinner. The prizegiving should get under way at about 7:30 pm.

Please return all trophies to registration, brightly polished and ready for you to win again.

NZOF Annual Meeting

Come along to the Annual Meeting and share in the review of the past year's activities and discussion on the coming year. The meeting will be held at 7 pm on Friday evening, at Lindisfarne College, Pakowhai Road, Hastings.

Creche

An unsupervised area will be provided for parents of young children to arrange their own co-operative child minding.

Food

Food stalls will operate at the event centres on Saturday, Sunday and Monday. Snacks will be available at Te Aute College on Friday.

Dogs

Absolutely none. All maps are in farming areas and dogs are completely unwelcome.

T – shirts

These may be collected at registration. Orders will be taken for mailing, at \$30, including packing and postage.

Special map symbols

Green circle = distinct single tree; green X = stump or log; black circle = water tank; black X = man-made object of some type; blue circle = trough.

Fences are not shown on the maps for courses 1 – 8, for the Long Distance and Middle Distance events.

Take care not to confuse track symbols (dashed lines) with cliff symbols, some of which will be black lines without legs.

String course

There will be a string course every day for the littlies. Just collect a clip card from registration.

Fire Hazard

Hawke's Bay is very very dry. Fire is a real hazard so please, absolutely no smoking at events.



National Interclub Competition

To promote the “club” aspect of the sport, we will be running an interclub competition among all of the clubs represented at the Nationals, decided over the sprint, long distance and middle distance events for all classes, including juniors.

The Blossom Trophy will also be up for grabs among the juniors, M/W20 down.

The scoring system for the interclub competition will be similar to that used to decide the Frank Smith Trophy, which is competed for each year among the clubs in the Wellington region. The scoring is weighted towards individual excellence rather than just numbers on the ground and has the effect of giving every club a reasonable chance of winning the interclub competition, irrespective of the size of the club.

Landowner acknowledgements

We are very much indebted to the landowners who have so willingly made their properties available for the Nationals events. Without the support of our landowners we would have no orienteering. We therefore record our thanks to:

Sprint event: Te Aute College – Te Kura O Te Aute.

Long Distance event: Beamish Farms (Simon Beamish, Craig Foote Operations Manager); Bill Beamish; Nick Helmore.

Middle Distance event: David and Sharon Holden, Springvale Station.

Relays: Smedley Station Cadet Training Farm (Terry Walters, Manager).



Superseries Halfway Point

With the national individual championships all counting, NZ orienteering's national league heads for halfway. And Easter is a vital link in the funding chain, with the MAPsport Shop selling sponsored products for the Superseries travel fund. Items from Silva (compasses), Casio (watches), Sportvogl (O Suits) and Wildsports (O Sox) will carry red "SSS" stickers – indicating "Super Series Supporter". Be one too by buying ☺

M and W21E Entries for Easter are well up on last year: over one third more women, and 22% more men. Mostly kiwis - there are fewer offshore visitors than at Oceania - but there's a Czech couple, two Irish orienteers, a top Frenchwoman, a couple of Swedes. Plus two of NZ's top multi-sporters, Chris Morrissey and George Christison.

The womens series is shaping up to be a clash between evergreen Tania Robinson from Counties Manukau and Rachel Smith of Peninsula and Plains. Though Robinson leads at present, Smith who has spent a year in Sweden missed the first round, and is scoring at roughly the same rate - they both have two wins to their credit. But both could be upstaged by Juliette Soulard from France, who has a world ranking of 62. Robinson is currently 81 and Smith 83, which indicates how closely these two are matched ☺

Stop Press: An exciting late entry has just been received from Yvette Baker, 1999 World Champion in the middle distance! Baker has just moved to Wellington.

We had hoped the mens series would pit last year's winner Carsten Jorgensen (world ranking 38=) against current leader Chris Forne (PAPO); but the Danish star is overseas. Forne has been running extremely well over all disciplines – he's also the NZ Ski-O Champ and member of the NZ Rogaine Champion team! His closest rival in the series is Karl Dravitzki (Egmont) who beat him in Round 1 but fell behind during the Oceania Carnival. The only other kiwi to beat the world #110 in this series is Taupo's Darren Ashmore, who is technically very sure and believed to be working hard on his fitness ahead of selection trials for the World Champs in Japan.

Christison (who won the Coast to Coast in 2004) and Morrissey aren't likely to figure in the placings but represent the increasing interest in mapsport by endurance athletes. Hawkes Bay adventure racer Darryl Taylor who was the last-placed finisher in the 2004 long and middle championships went on to represent NZ at the World MTBO Champs; and he's back for another go in 2005.

The teams competition will be dominated by the attempt of Bivouac Southerly Storm, who got off the blocks last, to chase down the MacNut Northerners. The 46-point margin is roughly the number of points scored in each event, so with 7 events to go they'll have to average about 15% better. With Smith (Bivouac) up against Robinson (MacNut), and Forne (Bivouac) up against Ashmore (MacNut) the second level will be important as well; and even the weaker Central Magic (Dravitzki, Neil Kerrison and Claire Paterson) will influence the battle-front. Roll on Easter.

The 2005 Superseries is contested over 6 rounds. After the NZ Champs, Round 4 will be in Canterbury on 23/24 April; Round 5 at a World Champs Trial near Hamilton on 7/8 May; and the final round at Queens Birthday near Auckland. Check out the events, points, athlete profiles on the Superseries website www.mapsport.co.nz/ss/ss.html

**Be a
SUPERSERIES SUPPORTER**

With your purchase of a

- ***Silva Compass***
- ***Casio Watch***
- ***Sportvogel O-Suit***
- ***Wildsport Socks***

***from
The MAPsport Shop***

These suppliers have generously provided product which MAPsport will sell at the NZ Championships in Hawkes Bay. Total proceeds go to the Superseries Travel Fund - raising the standard of competition without leaving New Zealand.

**PLUS
SPECIAL HEADLAMP OFFER**

***Price Reduction for Easter sales of
Silva M-Series Headlamps***

(see website for regular price, specifications and many other products):

- Silva M4: 3 LED's, 4 modes, runs 3xAAA, \$60 including batteries!
- Silva M3: Krypton bulb, runs 4xAA (not incl) \$70
- Silva M2: 3 LED's and 2.4w halogen bulb, runs 4xAA (not incl) \$85
- Silva M1: 3 LED's and 4w halogen bulb, rechargeable battery and charger, \$160

FURTHER Discount for Pre-Orders!!

\$5 off already-reduced prices for pre-orders by Tue 22 Mar, delivery at Easter national champs: Phone 04 566 2645 or email michael.wood@mapsport.co.nz. Limited stock: subject to best endeavours.

**The MAPsport Shop – Superseries Supporter
www.mapsport.co.nz**

Friday 25th March – New Zealand Sprint Distance Championship

Event status:	A level. New Zealand Sprint Distance Championship
The map:	Te Aute College – Te Kura O Te Aute
Scale/contours:	Scale 1:3500; contour interval 5 metres
Mappers:	Fieldwork Ken Holst; cartography David Fisher
Terrain:	Typical school buildings and grounds plus surrounding farmland
Planner:	Rob McDonald (HB)
Controller:	Max Kerrison (HB)
Directions:	Te Aute College is on State Highway 2, 29 kms south of Hastings.
Parking:	Sports field on left of the main drive
Event centre:	Beside the main drive into the school
Start:	80 metres from the event centre
Hazards:	Buildings, cliffs, customary farm hazards (electric fences will be off). The parking area is immediately adjacent to a state highway. Particular care should be taken with young children.
Out of bounds areas:	Housing areas, church and surrounds. One culturally sensitive area in front of the meeting house will be marked with tape. All out of bounds areas are marked on the map.
Registration:	From 12 noon
First start:	1:30 pm
Maps available:	3:35 pm
Presentation to college	3:45 pm
Course closure:	4:30 pm
Special map symbols:	Note that there are some symbols specific to sprint events. The legend will not be printed on the map because of space constraints so it is essential that you collect a legend from registration and study it carefully. Also refer to page 8.

Course lengths and climb.

			Length metres	Climb metres
1	M18,M20,M21,M21E,M35,M40,M45	W20,W21E	2700	55
2	M16,M50,M55,M60	W16,W18,W21,W35,W40,W45,W50,W55	2150	35
3	M12,M14,M65,M70,M75,M80	W12,W14,W60,W65	1780	30
W	M10 (white)	W10 (white)	1300	25

For competitively minded sprinters, the distance from the last control to the finish has been set at precisely 100 metres.

Saturday 26th March – New Zealand Long Distance Championship

Event status:	A level. New Zealand Long Distance Championship. IOF World Ranking Event.
The map:	Whanawhana.
Scale/contours:	Scale 1:15,000 (courses 1 and 2); 1:10000 (courses 3 – 11); 1:7500 (courses 12 - 13); contour interval 5 metres
Mappers:	Fieldwork Geoff Morrison; cartography Pamela Morrison
Terrain:	Spur/gully farmland with extensive areas of runnable kanuka scrub, boulders, small cliffs and intricate contour detail. The country is very dry and hard underfoot. Some water features may have dried up. Absolutely no smoking anywhere at the event please.
Planner:	Geoff Morrison (HB)
Controller:	Ken Holst (HB)

Directions:	From Omahu (Fernhill) 8 kms west of Hastings, take the road to Taihape. Bear left at Pukehamoamo (9kms) into Matapiro Road and continue for 23 kms. Take Whana Valley Road, then 6 kms to the event centre.
Parking:	Ample parking, as directed.
Event centre:	At the finish area, handy to the parking.
Start:	About 20 minutes walk from the event centre, following a sealed road.
Facilities:	There will be water and toilets at the start.
Clothing:	The country can be exposed and cold in adverse weather. Be prepared with suitable race and after-race clothing. A clothing return will only operate if the weather is wet and/or cold.
Hazards:	A small amount of onga onga, otherwise normal farm hazards. Electric fences will be off.
Out of bounds areas:	A number of residences are mapped as out of bounds. All farm buildings are also out of bounds.
Safety bearing:	North to the nearest road
Registration:	From 9:00 am
First start:	10:30 am
Maps available:	1:00 pm
Presentation to landowners:	1:30 pm
Course closure:	3:30 pm
Special map symbols:	Refer to page 8. Note: For the purpose of clarity, distinct single trees are mapped as white areas when they are close to rock features.

Course lengths and climb:

Course	Men	Women	Length metres	Climb metres	Ctrls	Drink stns
1	M21E (Open)		13900	635	23	4
2	M20A, M21A (Open), M35A	W21E	8200	265	18	2
3	M18A, M40A, M45A		6700	240	15	2
4	M50A	W20A, W21A (Open), W35A	5800	225	13	1
5	M16A, M21AS (Open), M55A	W40A, W45A	5400	180	14	1
6	M60A, M40AS	W18A, W50A	4600	180	13	1
7	M65A	W16A, W21AS (Open), W40AS, W55A	3800	155	13	1
8	M70A, M75A, M80A	W60A, W65A	2800	135	8	0
9	M18B, M20B, M21B (Open), M40B	W20B, W21B (Open)	4400	205	14	0
10	M14A, M16B, M50B	W18B, W40B,	4400	200	13	0
11		W14A, W16B, W50B	3400	140	10	0
12	M12A, M14B, M21C (Open)	W12A, W14B, W21C (Open)	2900	130	10	0
13	M10, M12B	W10, W12B	2200	55	10	0

Sunday 27th March - New Zealand Middle Distance Championship

Event Status:	A level. New Zealand Middle Distance Championship. IOF World Ranking Event.
The map:	Springvale.
Scale/contours:	Scale 1:10000 (courses 1 – 11); 1:7500 (courses 12 - 13); contour interval 5 metres.
Mappers:	Field Work: Geoff Morrison; cartography: Pamela Morrison.
Terrain:	Medium to steep spur gully terrain with intricate areas of native bush and open farmland. Generally fast running. The country is very dry and hard on the ankles. Areas mapped as marshes have largely dried up. Absolutely no smoking anywhere at the event please.
Planner:	Chris Howell (HB).
Controller:	Graham Teahan (RK).
Directions:	Signposted at Tikokino, 48km south west of Hastings on State Highway 50. Turn right at Owen St/Holden Road, Tikokino and continue for 4.6km where the road changes to gravel. 300m after the gravel starts turn right into Springvale Station and follow signs. At the woolshed turn right and ford small stream and go 2.5km up farm road to event centre.
Parking:	At event centre ample parking is available in the shade of totara trees.
Event Centre:	At the end of the farm road.
Start:	Courses 8 & 13: Start A 10 minutes walk, follow signs and marked route. Courses 1-7, 9 -12, Start B is "over the hills and far away..." 30 minutes walk, follow signs and marked route.
Facilities:	Toilets at event centre and start. Water is available at start and finish.
Clothing:	Springvale Station is in the foothills of the Ruahine Ranges and is subject to sudden changes in the weather. Winds can be cold so come prepared with warmer clothing for after the event.
Hazards:	There are numerous cliffs, dams and streams in this area. There are areas where thistles and nettles are present. Watch for bush lawyer in the native areas. There are possum bait stations throughout, please leave them alone. Electric fences will be off.
Out of bounds areas:	All areas to the west of the event centre and finish area, also the stockyards and The Whale (a big dam near the event centre).
Safety bearing:	North to Smedley Road or East to the event centre.
Registration:	9:30 am
First start:	10:30 am
Maps available:	12:45 pm
Presentation to landowners	1:15 pm
Course closure:	3:00 pm
Special map symbols:	Refer to page 8.

Course lengths and climb:

Course	Men	Women	Length metres	Climb metres	Ctrls	Drink stns
1	M21E (Open)		4600	205	15	1
1A		W21E (Open)	3400	155	12	1
2	M20A, M21A (Open), M35A		4600	215	16	1
3	M18A, M40A, M45A		3500	140	13	1
4	M50A	W20A, W21A (Open), W35A	3500	160	11	1
5	M16A, M21AS (Open), M55A	W40A, W45A	3100	130	10	0
6	M60A, M40AS	W18A, W50A	3000	120	10	0
7	M65A	W16A, W21AS (Open), W40AS, W55A	2400	95	8	0
8	M70A, M75A, M80A	W60A, W65A	1500	75	7	0
9	M18B, M20B, M21B (Open), M40B	W20B, W21B (Open)	2500	90	9	0
10	M14A, M16B, M50B	W18B, W40B,	2400	90	8	0
11		W14A, W16B, W50B	1800	60	7	0
12	M12A, M14B, M21C (Open)	W12A, W14B, W21C (Open)	1900	60	7	0
13	M10, M12B	W10, W12B	1300	30	7	0

Note: The estimated winning times for courses 1 and 1A are 30 minutes. Other courses are planned so that winning times shall be no greater than 60% of single day times.

Monday 28th March – New Zealand Interclub Relay Championship

Event status: A level. New Zealand Interclub Relay Championship
The map: Smedley
Scale/contours: Orange courses 1:10000 ; yellow and white courses 1:7500; contour interval 5 metres
Mappers: Fieldwork Geoff Morrison; cartography Pamela Morrison
Terrain: Gully/spur farmland with areas of scattered totara and beech.
Planner: Hamish Goodwin (HB)
Controller: Jim Barr (Wai)
Directions: From Hastings head west on Heretaunga Street/Omahu Road 8 kms and then take SH50 to the south. Signposted from the intersection of Smedley Road and SH50, about 53 kms from the centre of Hastings. Follow Smedley Road 10.2 kms to the event centre. Take care on Smedley Road as it turns to gravel and narrows.
Parking: In paddock beside Smedley Road.
Event centre: In paddock beside Smedley Road.
Start: At the event centre.
Start format: Briefing for all competitors 10:00 am.
 First leg starts: Mixed Long at 10:10 am, followed by Mixed Short at 10:20 am. There will be massed starts of all remaining 2nd leg runners at 11:30 am and 3rd leg runners at 12:00 noon.
Facilities: No water on courses.
Clothing: Runners are likely to encounter thistles and possibly bush lawyer.
Hazards: Usual farm hazards such as stock, dams, cliffs and onga onga.

Out of bounds areas: As indicated by tapes and signs.
Safety bearing: If on south side of Smedley Road, head north to the road.
 If on north side of Smedley Road, head south to the road.
Registration: Opens at 8:30 am.
Maps available: 12:00 noon.
Special map symbols: Refer to page 8.
Presentation to landowners 12:30 pm.

Note: Team registration sheets must be returned to registration by 1 pm Sunday.

Relay course lengths and climb.

	Length metres	Climb metres
Mixed long, leg 1: Open	5950	270
Mixed long, leg 2: No E classes, no M18A - 50A, no W20A - 35A	2900	120
Mixed long, leg 3: No E classes, no M20A - 35A	3700	190
Mixed short, leg 1: No E classes, no M21A - 35A	3700	190
Mixed short, leg 2: No M14 or above, no W14 or above	2100	90
Mixed short, leg 3: No E classes, no M16A - 50A, no W16A - 40A	1900	100

Refer to page 5 for the rules determining eligibility