Brindabella 100

What: 100 mile and 100 kilometre run

Where: Brindabella Ranges, Namadgi National Park, ACT

When: 0600 Namadgi Visitors Centre 2 February 2013

How: You will run under the auspices of <u>Fat Ass World</u>

Cost: \$0.00

- 1. Brindabella 100 A Big run with Big hills and Big views. 100 miles and a 100 kilometre option of fantastic scenery which showcase the Brindabella Ranges in Namadgi National Park ACT. The short section of single track and fire roads are reasonably easy to follow with steep and rocky sections, good leg lift is required. The course starts with the steep single track up Mt Tennent. To the first crossing of the Cotter River involves smaller hills with gentle ascent. It is a long and steady climb to gain the Brindabella Range. Mt Franklin Road continues on to Mt Ginini and Bulls Head. Two Sticks Road leads to a very steep ascent and descent of Mt Coree via the summit fire road. After returning to Bulls Head there is a long but gentle descent to the second crossing of the Cotter River at Vanitys Crossing. Finally a sting in the tail awaits runners ascending Bullen Range from Murrays Corner before descending to the finish at Cotter Bend. With 4600 metres of climbing and 4700 metres of descent in remote areas, this hill grinding odyssey is not suitable for a first attempt at covering 100 miles. Water, GPS files, navigation notes and drop-bag support will be provided. The Fat Ass concept means that this run is neither an event nor an organised activity, but simply an informal collection of self-reliant, like-minded people in the same place at the same time.
- 2. Navigation Stage summaries for runners (Annex A) and another for support crews (Annex B) outline all the stages for runners and drivers with links to ridewithgps.com to show each stage's distance and elevation profile. A basic overview map is at Annex C and a complete elevation profile of the run is at Annex D, also both available to view at <u>ridewithgps.com</u>. The downloadable GPX files (note these are tracks not routes) and TCX files for runners are available at the <u>brindabella100.com</u> website. These GPX & TCX files can also be viewed using Garmin MapSource (details in Annex A on how to get the program very simple and legal). Note that the GPX & TCX files contain Waypoints with extra details and are viewable in MapSource and on some GPS units. For runners who don't know the area very well would probably benefit by wearing a running GPS. It is not a complicated course to follow, but there are plenty of fire roads/trails that intersect. Written individual stage route instructions are also available at <u>brindabella100.com</u>
- 3. **Check Point Accessibility** There is approximately 317km of driving if all the accessible CPs by car are visited, ie 211km of bitumen and 106km of dirt (check Stage Summary for Support Crews, Annex B). Some sharing of support crew resources could make provision of aid to runners more efficient. There are no fuel stations nearby, closest services are in Tharwa (no diesel) or southern Canberra. CP12 if carefully negotiated could be reached by a 2WD car. Cotter River at Vanitys Crossing can also be reached by 2WD car (Stage 15, between CP12 and CP13) weather and road conditions permitting, access is only via Vanitys Crossing Rd from the west (ie from CP12, just follow the runners' route). There are locked gates on either side of Vanitys Crossing as of Nov 2011, it is only a short walk (<100m) from the locked gates to the Cotter River.

There is 54km of Fire Trail access if the remaining CPs (1,5,6 &7) not accessible by car are visited, either by bicycle or on foot (check Stage Summary for Support Crews, Annex B).

- 4. **Stage 16** This last stage has a steep fire road to gain Bullen Range. Sections of the ridge line fire road have steep descents and are rocky. In case Paddys River water level is above normal elevation and cannot be crossed safely (usually only knee height, crossed twice) there is an alternative Stage 16 v2 (Annex A note 3).
- 5. Cut Off Times These are suggested at some of the checkpoints (see table in Annex A and Annex D for calculations used) to make the run more manageable for helpers and crews. The CPs that are indicated as being manned (not all of them are) will not have provided water or drop bags available after the cut off times (unless of course you have provisioned the CP with your own supplies). The 100km option finishes at Bulls Head, actual distance is 97.1km, 20.5 hour time limit, 0230 Sunday. The Bulls Head CP will be manned until 0900 Sunday if required. The 100mi option finishes at Cotter Bend, actual distance 163.2km, 35 hour time limit, 1700 Sunday.
- 6. **River/Creek Crossings** Stage 4 Orroral River has a bridge. Stage 6 Cotter River has a bridge. Stage 15 Cotter River at Vanitys Crossing usually a knee high shallow ford (concrete) but can be thigh to waist deep. Stage 15 is Pierces Creek a below the knee shallow ford. Stage 16 to the finish at Cotter Bend has three crossings, two of Paddys River, both usually knee deep shallow fords and finally again Cotter River at Cotter Bend has a foot bridge less than 100m from the finish.
- 7. **Check Point Assistance** Helpers will ideally be at Check Points 4, 8, 10, and the finish at Cotter Bend. Their primary role will be to provide water, drop bag access and check who has passed through and at what time to assist monitoring of runners progress.
- 8. Water will be provided 4.1km after CP1, then at CP4, CP5, CP7, CP8, CP10 and CP13. This placement of water will save support crews some walking/riding. Note **no water** will be provided at CP1, CP2, CP9, and CP12. Water is already available at the start (tank), CP3 (tank), CP6 (river) and the finish at Cotter Bend (tap). CP6 is the Cotter River, the water is *usually* OK to drink at this location (no cattle upstream). Do not drink from any of the other streams or rivers including from the Cotter River downstream of CP6. Note that in wetter years (such as 2012), several small streams on the Brindabella Ranges between CP6 and CP7 were running and are OK to drink from. Consideration will be given to providing water between CP6 and CP7 if it is a particularly dry year. Some basic aid, food and water, could be placed in advance at the more remote checkpoints without car access CP1, CP5, CP6, and CP7. Please consider carefully your nutrition requirements, if you don't know, don't come!
- 9. **Drop-Bags** will be taken to CP4, CP8, CP10 and the finish at Cotter Bend. Drop-bags will not be taken between check points. This means you can have a small separate drop-bag containing clothing, equipment, drinks and food for each of the three CPs and the finish. Make sure a name tag along with the CP number is attached to each bag. Bring your drop-bags to the run briefing Friday afternoon, earlier in the week is also OK. Note that you cannot give me drop bags on Saturday morning at the start. You may need to pick up some/all of your drop bags from my place Monday morning in Watson if they did not catch up with me in time on Saturday or Sunday.
- 10. Runner's Assistant In addition to runners having their support crews assisting them, the 100 mile runners can from Bulls Head (at the 97.1km mark onwards) to the finish (or part/s of the way) employ a runner's assistant (choice of one assistant, cannot change). The assistant can run alongside but not in front of 'their' runner/s. Navigation and moral support can be provided, but no food, drink, clothing or equipment can be carried by the assistant for their runner/s to use. Obviously common sense applies in the case of emergency or minor difficulties. Runners can of course assist each other in any way they see fit. There are no rules on what runners carry. You decide. Remember: Fat Ass
- 11. **Total Fire Bans** These are announced by the <u>ACT Emergency Services Agency</u> (ESA) and when declared are announced at http://esa.act.gov.au/. Total fire bans usually last 24 hours from midnight to midnight, but this can be modified or extended by the ESA. If a total fire ban is in place this would mean road closures throughout the Namadgi National Park and the request is usually made by the emergency services that people do not enter the park. It would **not** be possible to run the course if a total fire ban is declared by the ESA.

- 12. **Mobile Phone Coverage** Limited in most areas, Telstra Next G, Vodafone 3G and Optus 3G were 'tested', see Annex E.
- 13. Tracking It would of great benefit if all runners could wear a <u>SPOT Satellite GPS Messenger</u> for others to monitor runner progress. I can obtain a small discount on these devices for purchase if I can place an order of 10 or more units. Worth considering if you are in a remote area. I am testing other methods of tracking using mobile phone applications: <u>InstaMapper</u>, <u>FollowMee</u>, and <u>Map My Tracks</u>. The main problem with these apps is that mobile phone reception is required (some apps cache and send the delayed position information in a batch), but it would at least provide some data on where runners are/were when occasionally in mobile range. More detail on this later.
- 14. **Weather** Cold (common) or extreme heat (very rare on the ranges) could cause the cancellation of the run. I will reserve the right to cancel the run if a poor forecast suggests it would be dangerous to proceed. It may be possible to delay the run by one day at the 'last minute' if the weather is forecast to improve. The Bureau of Meteorology (BOM) analysis at Annex G shows the mean temperature and mean rainfall for the months of Nov/Dec/Jan/Feb/Mar. These statistics were a factor in selecting the time of year this course could be run.
- 15. **Calendar** Clashes that have been considered (from an Ultra runner's perspective):

October and November: Wettest months of the year.

December: (Hot) Coast 2 Kosci (246km) 7-8-9 Dec 2012.

January: (Hot), Narrabeen All Nighter 5-6 Jan 2013, Bogon2Hotham 6 Jan 2013.

February: Cradle Mountain 2 Feb 2013, Stromlo Running Festival (Canberra) 15-17 Feb 2013

March: (Cool) 6Ft Track 9 Mar 2013, Alpine Challenge 16-18 Mar 2012.

April: (Cold) Coburg 24 Hour 13-14 Apr 2013(?)

The AURA calendar also shows numerous clashes regardless of what time of year is selected.

- 16. **Accommodation** Annex F lists some options available, this is by no means exhaustive, but will get you started. Google is your friend.
- 17. **Run Briefing** My place 5.30pm Friday 1st February 2013, Watson, north Canberra. Final brief 5.45am Saturday 2nd February 2013 Namadqi Visitor Centre.
- 18. **Contact** Please make any suggestions or comments at the <u>Coolrunning</u> forum or email Andrew <u>info@brindabella100.com</u> or mobile +61 419 244556

Brindabella 100 Stage Summary for Runners

Stage	Check Point (CP) Name ridewithgps.com links	Cut Off	stage km	accum km	km to end	CP alt m	CP alt change m	stage ascent m	stage descent m	accum ascent m	accum descent m	CP Car access/Facilities/Aid
	Start Namadgi Visitor Centre			0.0	163.2	608m						Carpark – no toilet, Tank Water . 2km back at Tharwa <u>public toilets</u> open 24hrs behind General Store. Do not drink the water at Tharwa.
1	CP1 Mt Tennent	nil	7.4	7.4	155.8	1365m	+757m	807	31	807	31	Nil - Water 4.2km further on at Mt Tennent/Bushfolds Flat FT INT.
2	CP2 Booroomba Rocks Carpark	nil	9.5	16.9	146.3	1180m	- 185m	321	548	1128	579	Carpark – toilet, free gas BBQ, no water.
3	CP3 Honeysuckle Campground	nil	3.9	20.8	142.4	1109m	- 71m	78	148	1206	727	Carpark - camping, toilets, Tank water.
4	CP4 Orroral Tracking Station	1330	10.3	31.1	132.1	933m	- 176m	305	466	1511	1193	Carpark, toilets, tap water (discoloured) – do not drink. Water.
5	CP5 Bimberi Wilderness Bdy	nil	10.2	41.3	121.9	1188m	+255m	347	122	1858	1315	Nil - aid can be cycled in, but no bicycles beyond CP5. Water.
6	CP6 Cotter River	1700	8.8	50.1	113.1	1028m	- 160m	130	262	1988	1577	Nil - River Water (usually OK), walk aid in from CP5, no bicycles.
7	CP7 Pryors Hut	nil	19.4	69.5	93.7	1657m	+629m	837	219	2825	1796	Nil - shelter, bush toilet, aid can be walked in, no bicycles. Water.
8	CP8 Mt Ginini Carpark	2230	4.9	74.4	88.8	1673m	+ 16m	125	105	2950	1901	Carpark - no facilities. Water.
9	CP9 Aggie Gap	nil	9.0	83.5	79.8	1414m	- 259m	106	360	3056	2261	Carpark - no facilities, Water.
10	CP10 Bulls Head 100km finish	0230	13.7	97.1	66.1	1323m	- 91m	183	274	3239	2535	Carpark, shelter, toilets, NO camping. Water.
11	CP11 Coree Camp	nil	11.8	108.9	54.3	1150m	- 173m	138	322	3377	2857	Carpark, camping (NSW), toilet, no water.
12	CP11 Coree Camp	nil	5.7	114.6	48.6	1150m	0m	310	309	3687	3166	Carpark, camping (NSW), toilet, no water.
13	CP10 Bulls Head	0900	11.8	126.4	36.8	1323m	+173m	319	140	4006	3306	Carpark, shelter, toilets, NO camping Water.
14	CP12 Warks Rd	nil	16.8	143.2	20.0	707m	- 616m	79	687	4085	3993	Car access possible (2WD), or bicycle. No facilities, no water.
15	CP13 Murrays Corner	1500	12.4	155.6	7.6	547m	- 160m	278	442	4363	4435	Carpark, toilet, free gas BBQ, Water.
16	Finish Cotter Bend	1700	7.6	163.2	0.0	487m	- 60m	278	336	4641	4771	Carpark, toilets, NO camping, free gas BBQ, Tap Water.
	тот	ΓALS	163.2			•	•	+4641	-4771			

NOTES for Runners:

- 1. Route notes and the GPS gpx and tcx files can be found at brindabella100.com.
- 2. CP CUT OFF times: Total 100mi (163.2km), 35 hours, 1700 Sunday. 100km (97.1km) 20.5 hours, 0230 Sunday. CP Cut off times in above table. Calculations in Annex D.
- 3. Alternative Stage 16 v2 Finish Cotter Bend v2 6.5km. Stage 16 v2 replaces Stage 16 if Paddy's River water level is elevated above safe crossing levels. This would make a **new total of 162.1km**, 34.5 hours, finish 1630 Sunday.
- **4.** Water will be provided 4.1km after CP1 (Mt Tennent FT/Bushfolds Flat FT intersection, 11.6km mark for runners), CP4, CP5, CP7, CP8, CP10 and CP13. CP6 is the Cotter River, the river water is usually OK to drink at this location (no cattle upstream). Water from small streams above CP6 (Cotter River) is usually fine also. It is assumed that runners will be self-sufficient with assistance from their support crews at CP2, CP11 and CP12.
- 5. **Drop Bags** (must be separate bags) will be taken to CP4, CP8, CP10 and the finish at Cotter Bend. Make sure a name tag along with the CP number is attached to each bag. Must be left at run briefing on Friday afternoon, not Saturday morning at the start.
- 6. Saturday 2 Feb 2013 Civil Twilight rise 0555 AESST, Sunrise 0623, Sunset 2011, Civil Twilight set 2038. Total daylight hours = 14:43 Sunday 3 Feb 2013 Moonrise 2324 waning gibbous 62%, Civil Twilight rise 0557, Total darkness hours = 9:19, Sunrise 0624, Moonset 1211.

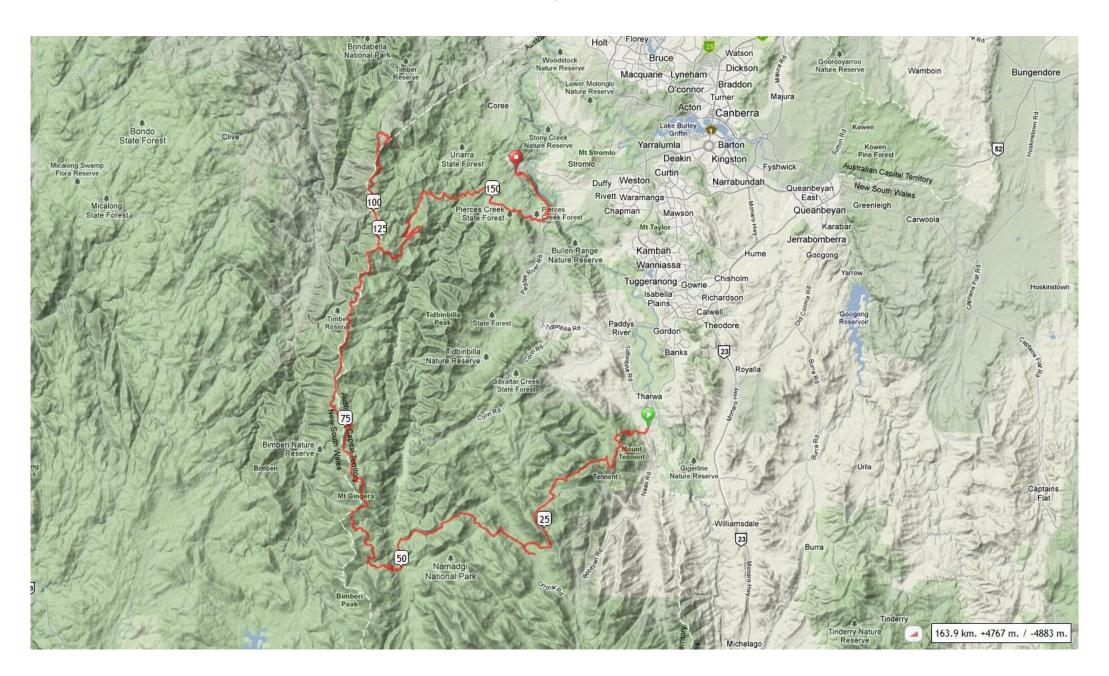
Brindabella 100 Stage Summary Car/Bicycle/Foot access for Support Crews

Stage	CP Car/Bike/Walk Navigation	Cut Off	Sealed Road km	Dirt Road km	Fire Trail km	CP Access and Notes
	Start Namadgi Visitor Centre		35.8			Carpark – no toilet, Tank Water near the visitors centre. 2km north back at Tharwa are <u>public toilets</u> open 24hrs behind General Store. Do not drink the water at Tharwa (river water – should be boiled).
1	CP1 Mt Tennent FT INT	nil	12.2		6.2	No vehicle access - Via Nass Rd, Apollo Rd and Mt Tennent FT. Park car 400m (uphill) from gate on Apollo Rd. Cycle or walk in 3.1km fire road (6.2km return) to the INT of Mt Tennent FT / Bushfolds Flat FT. This INT is 4.2km past CP1 for runners. Water will be available at this intersection . Aid could be left.
2	CP2 Booroomba Rocks Carpark	nil	5.3	3.1		Carpark - Via Apollo Rd and Booroomba Rocks Carpark Rd to Booroomba Rocks Carpark. Toilet, no camping. No water.
3	CP3 Honeysuckle Campground	nil	0.5	3.1		Carpark - Via Apollo Rd. Toilets, free gas BBQ, Tank Water.
4	CP4 Orroral Tracking Station	1330	25.9			Carpark - Via Apollo Rd, Nass Rd (for 750m) then Boboyan Rd and Orroral Rd. Toilet, free gas BBQ, tap water (discoloured) - Do not drink. Water will be available .
5	CP5 Bimberi Wilderness Bdy	nil			20.2	No vehicle access – follow track that starts behind the toilets for 500m then R onto Cotter Hut FT – follow for 9.6km (total 20.2km return). No cars allowed, bicycles are allowed to CP5 the wilderness boundary. Water will be available .
6	CP6 Cotter River	1700			17.6	No vehicle access - 8.8km Cotter-Hut FT one way (17.6km return). Aid could be walked in, foot access only, no bicycles are allowed beyond CP5. River water (usually OK to drink, no cattle upstream).
7	CP7 Pryors Hut	nil	77.7	32.9	4.9	No vehicle access – No bicycle access allowed from Mt Ginini carpark. Aid could be walked in, 4.9km one way south on Mt Franklin Rd to the hut. Emergency shelter (good), bush toilet. Water will be available .
8	CP8 Mt Ginini Carpark	2230			4.9	Carpark - Mt Ginini carpark on Mt Franklin Rd. Carpark only, no water or shelter. Water will be available.
9	CP9 Aggie Gap	nil		7.5		Carpark - Via Mt Franklin Rd. No shelter, Water will be available.
10	CP10 Bulls Head 100km finish	0230		13.7		Carpark - Via Mt Franklin Rd. Picnic grounds, good sized shelter (basic), toilets, no water, no camping. Water will be avbl.
11	CP11 Coree Camp	nil		11.8		Carpark - Via Mt Franklin Rd and Two Sticks Rd. 2WD cars OK if you're careful. Toilet and camping. No water.
12	CP11 Coree Camp	nil				You are already there! (no GPS link required) Runners Stage 12 is to Mt Coree Fire Tower and return to Coree Camp, 5.7km.
13	CP10 Bulls Head	0900		11.8		Backtrack to Bulls Head from Coree Camp on Two Sticks Rd and Mt Franklin Rd. Water will be available.
14	CP12 Warks Rd	nil	4.5	16.8		No Carpark - Via Mt Franklin Rd, Brindabella Rd, and Warks Rd. Cars allowed on Warks Rd to CP12, 2WD OK if you're careful (4.9km one way off Brindabella Rd. No facilities, no water .
15	CP13 Murrays Corner	1500	18.6	4.8		Carpark - Via Warks Rd (back track), Brindabella Rd, Cotter Rd and Paddys River Rd. Toilets. Water will be available.
16	Finish Cotter Bend	1700	6.6			Carpark - Via Paddys River Rd and Cotter Rd (220m only) Toilets, NO camping, free gas BBQs, Tap Water.
	Canberra City		23.7			Northbourne Ave (which leads onto the Federal Hwy) via Cotter Rd, Tuggeranong Parkway and Parks Way.
	TO.	TALS	211	106	54	

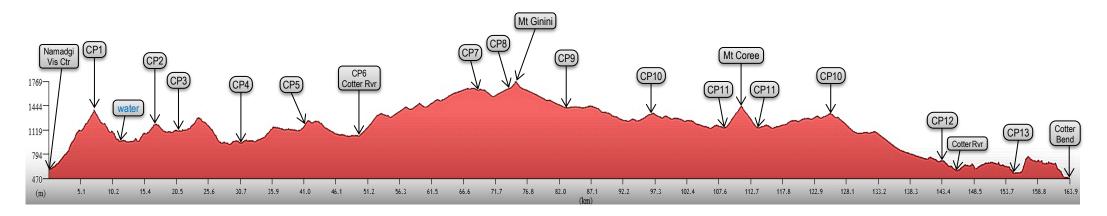
NOTES for Support Crews:

- 1. Stage links above will take you to ridewithgps.com (ignore cue sheets) Download the associated GPX files (.gpx) from the website to put into your GPS for car navigation (and for Fire Trail navigation when cycling or on foot). The runners will download their GPX files from brindabella100.com
- 2. Toilets at Namadqi Visitors Centre will not be open at 6am, opening hours are Sat/Sun 9.00am 4.30pm. Water is available from the water tank near the edge of the building.
- 3. Note the time for support crew to get to the first water aid point (for the runners 4.1km downhill past CP1 Mt Tennent, a total of 11.4km), for the crew it is a 11.6km drive then a 2.7km (one way) walk or cycle. This could take longer than for the runners if you are not careful! Note water will be made available for runners at this location.
- **4.** Obviously support crews do not have to visit all the CPs and can meet runners anywhere on the course (but don't give them car rides....).
- 5. Water will be made available 4.2km after CP1 (Mt Tennent FT/Bushfolds Flat FT intersection, 11.6km mark for runners), CP4, CP5, CP7, CP8, CP10 and CP13. CP6 is Cotter River, the water is usually OK to drink (no cattle upstream). It is assumed that runners will be self-sufficient at other CPs (with assistance from their support crews).
- **6.** Make sure your vehicle has a *full* tank of fuel, there are no service stations nearby. Also, make sure *you* have enough food, drink and warm clothing (it can quite chilly up on the range). Ensure enough water is carried for both runners and supporters. There are no shops nearby except <u>Tharwa General Store</u> 2km north of Namadgi Visitors Centre. The store has fuel (no diesel), limited range of food and drink, open Sat 8.30am-6pm, Sun 10am-4pm. <u>Do not drink</u> the tap water at Tharwa.
- 7. No Dogs are allowed in Namadqi National Park. Dogs are allowed on leash in some of the picnic areas outside the national park.
- 8. No camping available at Cotter Avenue or Cotter Campground (both closed due to dam building works). No camping at Cotter Bend day use/picnic area only.
- 9. If a **Total Fire Ban** is declared, driving in most areas of Namadgi National Park becomes impossible because many roads are closed. It is usually recommended by the ACT Emergency Services Agency (ESA) that no one enters the National Park. It would **not** be possible to run the course if a total fire ban is declared by the ESA.

Brindabella 100 complete route overview



Elevation Profile



Note that the above elevation profile is from the 2012 run – I am still in the process of updating it, but only from CP13 onwards is there a difference.

Cut-off time calculations (100km and 100mi)

CP4 Orroral Trk Stn 1330 31.1km/31.1km 7:30:00 @ 4.1kph +1511m/-1193m **CP6 Cotter Rvr 1700** 19.0km/50.1km 3:30:00 @5.4kph +477m/-384m **CP8 Mt Ginini Carpark 2230** 24.3km/74.4km 5:30:00 @4.4kph +962m/-324m **CP10 Bulls Head 0230** 22.8km/**97.1km** 4:00:00 @ 5.7kph +289m/-634m **100km Finish 0230 Sunday Total 20.5 hours.**

CP10 Bulls Head 0900 29.3km/126.5km 6:30:00 @4.5kph +767m/-771m **CP13 Murrays Cnr 1500** 29.2km/155.7km 6:00:00 @4.9kph +357m/-1129m **Finish Cotter Bend 1700** 7.6km/**163.2km** 2:00:00 @3.8kph +278m/-336m **100mi Finish 1700 Sunday Total 35 hours.**

Alternative Stage 16 v2 Finish Cotter Bend v2 6.5km

This replaces Stage 16 if Paddy's River water level is elevated above safe crossing levels. Finish Cotter Bend 1630 6.5km/162.1km 1:30:00 @4.3kph +188m/-257m. 100mi Finish 1630 Sunday Total 34.5 hours.

Mobile Phone Coverage

Coverage Maps:

Hel\$tra

http://www.telstra.com.au/mobile/networks/coverage/state.html

http://www.optus.com.au/aboutoptus/About+Optus/Network+Coverage/Optus+Network+Coverage+Maps/ACT?display=&network=

Vodafail

http://www.vodafone.com.au/tools/checker/index.htm

Note that this was an extremely unscientific form of 'testing'. Three Networks using an Apple iPhone 4: Telstra Next G network (850/1900MHz HSPDA) and a Nokia E71-1 for the Optus 3G and Vodafone 3G network (both 900/2100MHz HSPDA). I gave the signal strength a score out of 5. If there was a fair bit of fluctuation I gave the score a range. **Note** that SMS may work even when there appears to be no signal at all, so it is still worth trying to send.

Telstra Next G appears to have the best coverage but is still limited in several areas. Optus is more limited with Vodafone having the worst coverage.

Location	Telstra Next G	Optus 3G	Vodafone 3G
Namadgi Visitors Centre	3-4/5	4-5/5	3-4/5
CP1 Mt Tennent (fire tower)	4/5	5/5	5/5
Bushfolds Flat FT/Mt Tennent FT Int	2/5	0/5	0-1/5
Bushfold Hut	0-1/5	0-1/5	0/5
CP2 Booroomba Rocks Carpark	1/5	0/5	0/5
CP3 Honeysuckle Campground	0-1/5	0/5	0/5
CP4 Orroral Tracking Stn	1/5	1/5	0/5
CP5 Bimberi Wilderness Bdy	0/5	0/5	0/5
CP6 Cotter River	0/5	0/5	0/5
CP7 Pryors Hut	2-3/5	0/5	0/5
CP8 Mt Ginini Carpark	2-3/5	0/5	0/5
Mt Ginini	3-4/5	3-5/5	0/5
CP9 Aggie Gap	2-3/5	0/5	1-4/5
CP10 Bulls Head	0-1/5	0/5	0/5
Piccadilly Circus	1-2/5	TBA	TBA
CP11 Coree Camp	TBA	TBA	TBA
Mt Coree (fire tower)	TBA (should be very good)	TBA (possibly good)	TBA (possibly good)
CP12 Warks Rd	1-2/5	0-1/5	0-1/5
Vanitys Crossing (between CP12 & CP13)	0-1/5	0/5	0/5
CP13 Murrays Corner	1-2/5	1-2/5	2-4/5
Cotter Bend	0-2/5	0-1/5	0-1/5

Canberra Accommodation Options

Please note that this is only a selective list and is by no means exhaustive. Using <u>google.com.au</u> would unearth more options.

Camping Namadgi National Park:

http://www.tams.act.gov.au/play/pcl/get out there/camping/namadgi

Carotel - Camping/Caravan/Motel north Canberra:

http://www.carotel.com.au/

Red Cedars Motel - north Canberra:

http://www.redcedars.com.au/

EPIC camping north Canberra:

http://www.epic.act.gov.au/camping

More camping options:

http://au.totaltravel.yahoo.com/directory/accommodation/australia/act/?filter=caravan

Even more camping/caravan options:

http://www.visitcanberra.com.au/Accommodation/Caravan-and-camping.aspx

YHA Canberra city:

http://www3.yha.com.au/hostels/nsw/canberra/canberra-city-backpackers-hostel/

Country Comfort Hotels & Motels (only one in south Canberra – Hotel Greenway) http://www.countrycomforthotels.com.au/canberra/

Other popular accommodation links:

The usual suspects for those who wish to book more salubrious accommodation:

https://www.booking.com/

http://www.wotif.com/

http://www.lastminute.com.au/

http://www.laterooms.com.au/

Brindabella Range Weather Statistics

January and February have consistently a lower rainfall mean in the warmer months of the year. March is already getting cool/cold at night (depending whether or not you are still high on the ranges). These statistics were collated March 2011.

Mt Ginini AWS 1760m (site no.70349) June 2004 to Mar 2011

http://www.bom.gov.au/climate/data/

Statistics	Nov	Dec	Jan	Feb	Mar	Years
Mean Max (°C)	15.4	17.6	21.2	18.7	17.0	6 (Mar)/7
Mean Min (°C)	6.0	7.1	10.2	8.9	7.5	6 (Mar)/7
Max Temp ever recorded (°C)	27.8	29.0	30.0	29.0	25.3	6 (Mar)/7
Min Temp ever recorded (°C)	-6.0	-4.0	-0.6	-2.0	-2.0	6 (Mar)/7
Mean Rainfall (MM)	102.4	113.9	67.8	89.3	68.5	7
Mean no of days rain >1mm	n/a	n/a	n/a	n/a	n/a	
Mean 9am Temp (°C)	n/a	n/a	n/a	n/a	n/a	
Mean 9am rel hum (%)	n/a	n/a	n/a	n/a	n/a	
Mean 3pm Temp (°C)	n/a	n/a	n/a	n/a	n/a	
Mean 3pm rel hum (%)	n/a	n/a	n/a	n/a	n/a	

red = highest value of the whole year (some highest values not present in these 5 months - N/D/J/F/M)

bold red = highest temperature **ever** recorded for all the years data was collected blue = lowest value of the whole year (some lowest values not present in these 5 months - N/D/J/F/M)

n/a = not available, data not summarised by the BOM (would take days to calculate!)

Tuggeranong (Isabella Plains) AWS (site no.70339) 587m 1996 to Mar 2011

http://www.bom.gov.au/climate/averages/tables/cw 070339.shtml

Statistics	Nov	Dec	Jan	Feb	Mar	Years
Mean Max (°C)	24.0	27.1	29.5	28.3	25.6	15
Mean Min (°C)	9.7	12.0	14.3	14.3	11.2	15
Max Temp ever recorded (°C)	38.7	38.3	40.2	39.9	37.0	15
Min Temp ever recorded (°C)	-0.8	1.2	4.3	5.3	2.1	15
Mean Rainfall (MM)	68.9	67.8	46.0	59.6	36.4	15
Mean no of days rain >1mm	7.7	5.5	5.0	5.8	3.7	15
Mean 9am Temp (°C)	15.8	18.2	19.6	18.6	15.7	15
Mean 9am rel hum (%)	62	59	61	68	70	15
Mean 3pm Temp (°C)	22.5	25.5	27.8	26.6	24.3	15
Mean 3pm rel hum (%)	39	34	34	39	38	15

 $red = highest \ value \ of \ the \ whole \ year \ (some \ highest \ values \ not \ present \ in \ these \ 5 \ months \ - \ N/D/J/F/M)$

bold red = highest temperature **ever** recorded for all the years data was collected

blue = lowest value of the whole year (some lowest values not present in these 5 months – N/D/J/F/M)

Tidbinbilla Nature Reserve (site no.70310) 1974 to Mar 2011

http://www.bom.gov.au/climate/averages/tables/cw 070310 All.shtml

Statistics	Nov	Dec	Jan	Feb	Mar	Years
Mean Max (°C)	22.0	25.1	27.2	26.3	23.8	25
Mean Min (°C)	8.9	10.8	12.3	12.4	9.9	25
Max Temp ever recorded (°C)	37.0	37.5	39.1	39.0	36.0	25
Min Temp ever recorded (°C)	-1.2	1.0	-0.5	2.5	-6.7	25
Mean Rainfall (MM)	86.0	64.6	80.7	71.5	67.7	44
Mean no of days rain >1mm	8.7	6.0	6.3	5.7	5.5	43
Mean 9am Temp (°C)	14.8	17.0	18.3	17.3	15.5	25
Mean 9am rel hum (%)	70	75	78	77	78	25
Mean 3pm Temp (°C)	19.9	22.6	25.3	24.2	21.0	25
Mean 3pm rel hum (%)	n/a	n/a	n/a	n/a	n/a	0

red = highest value of the whole year (some highest values not present in these 5 months - N/D/J/F/M) **bold red** = highest temperature **ever** recorded for all the years data was collected

blue = lowest value of the whole year (some lowest values not present in these 5 months – N/D/J/F/M)

Bendora Dam 815m (site no.70316) 1966 to Mar 2011

http://www.bom.gov.au/climate/data/

Statistics	Nov	Dec	Jan	Feb	Mar	Years	
Mean Rainfall (MM)	94.1	78.2	86.9	76.6	81.5	~38	

Not enough temperature data to be meaningful

Corin Forrest Rec Facility 1200m (site no.70322) 1986 to Mar 2011

http://www.bom.gov.au/climate/data/

Statistics	Nov	Dec	Jan	Feb	Mar	Years
Mean Rainfall (MM)	96.6	104.8	104.2	62.5	83.9	~21

Not enough temperature data to be meaningful

Brindabella (Koolami) 645m (site no.71073) 1956 to Mar 2011 http://www.bom.gov.au/climate/data/

Statistics	Nov	Dec	Jan	Feb	Mar	Years
Mean Rainfall (MM)	83.5	69.1	74.0	51.8	61.5	~29

No temperature data available

Tharwa General Store 595m (site no.70083) 1938 to Mar 2011

http://www.bom.gov.au/climate/data/

Statistics	Nov	Dec	Jan	Feb	Mar	Years
Mean Rainfall (MM)	66.6	52.0	61.5	57.1	56.3	~72

No temperature data available

<end weather data>