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# **AUC Conference**

**23 - 26 September 2007  
Royal Pines Gold Coast**

# How to use the Macintosh to Geocode media for Google Earth and Google Maps



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# Questions?



# GPS

## Limitations —

- Not accurate enough for surveying
- Doesn't work indoors
- Urban canyons, tropical rainforests, any decent tree cover, anywhere you don't have a good view of the sky will challenge the technology

# Some options

- Ricoh Pro G3 – GPS
- Navman N40i Automotive GPS with NavPix™ 1.3 Megapixel Digital Camera
- Nikon D200 (and others) with GPS Adapter Cord MC-35
- Sony GPS-CSI

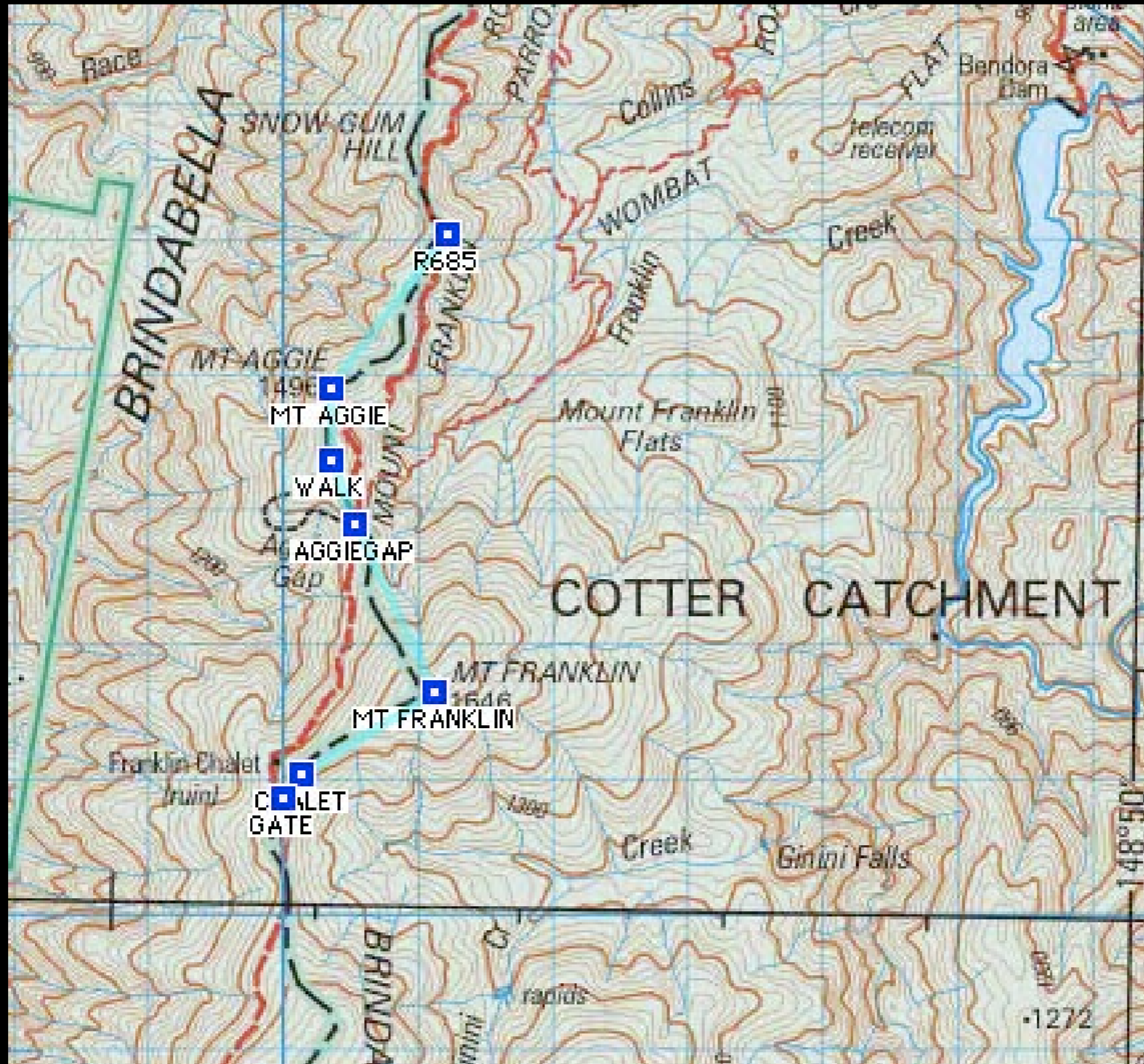
# EXIF

- Exchangeable Image File Format
- Standard for storing information like location data in image files, especially JPEG files.
- Most digital cameras use EXIF format, part of the DCF (Design rule for Camera File system) standard created by the Japan Electronics and Information Technology Industries Association (JEITA)

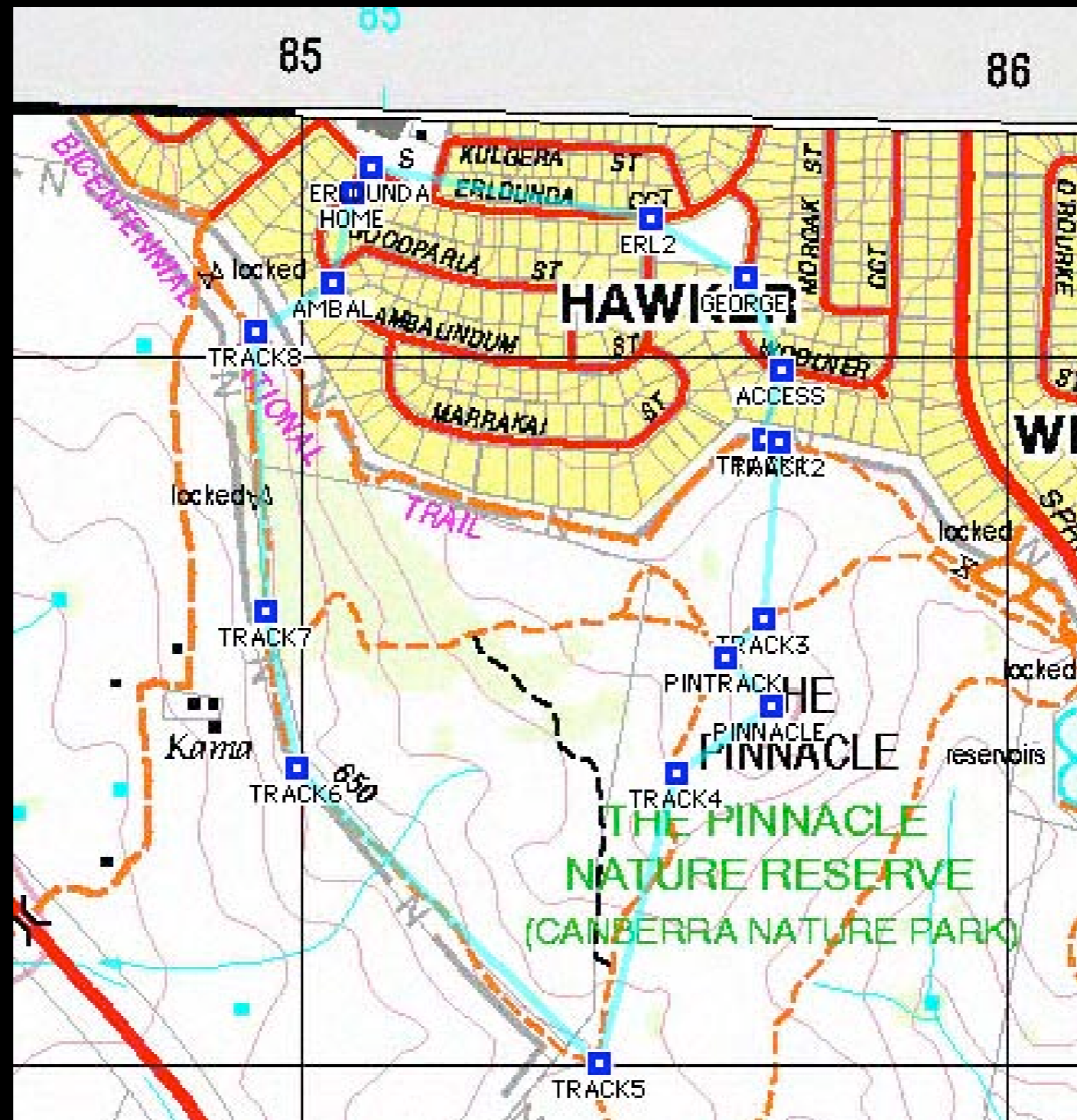
# Disclaimer/Warning

You should **NOT** rely on GPS alone for navigation. Take spare batteries, a paper map and compass, and know how to use them. Tell someone what your plans are, and report back when you return.

# Route on topo map

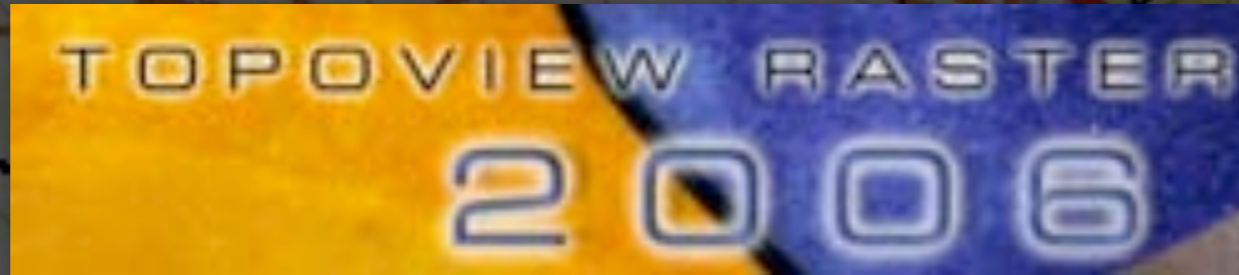


# Route on topo map

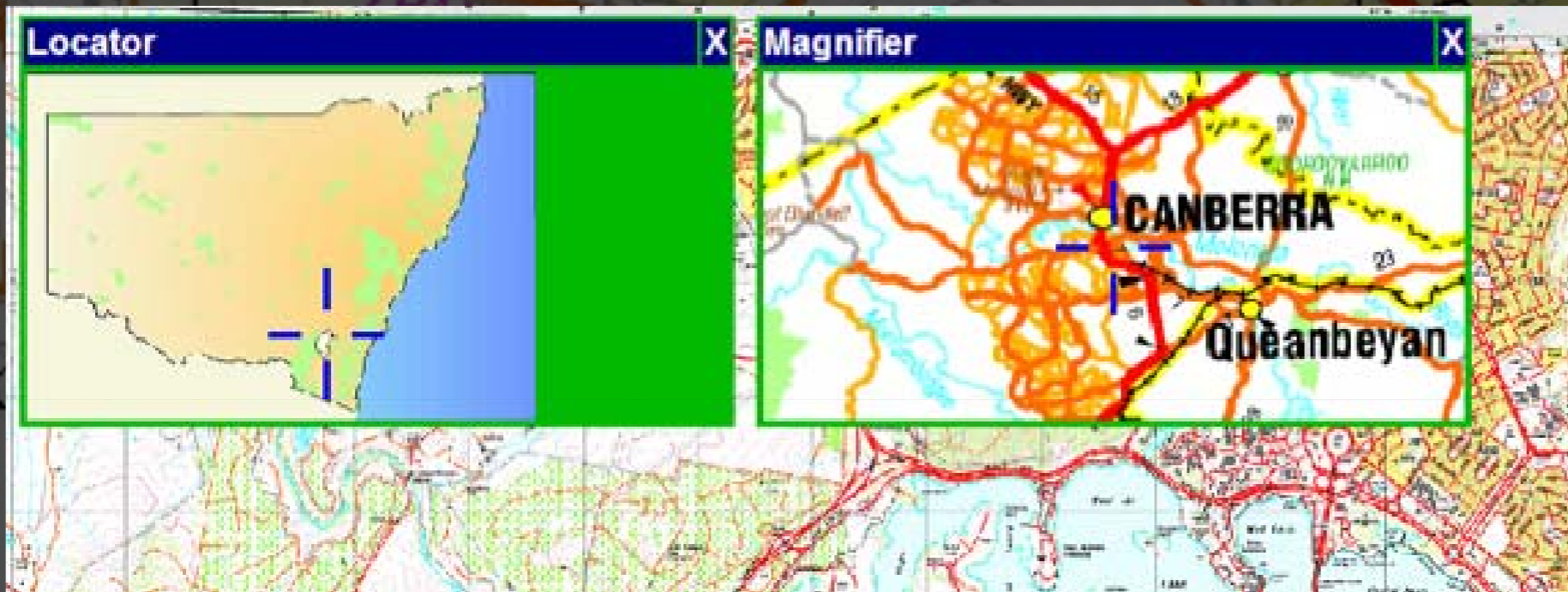




# TopoView Raster



# TopoView Raster



Export Entire Map

Export Current View

Print Entire Map

Print Current View

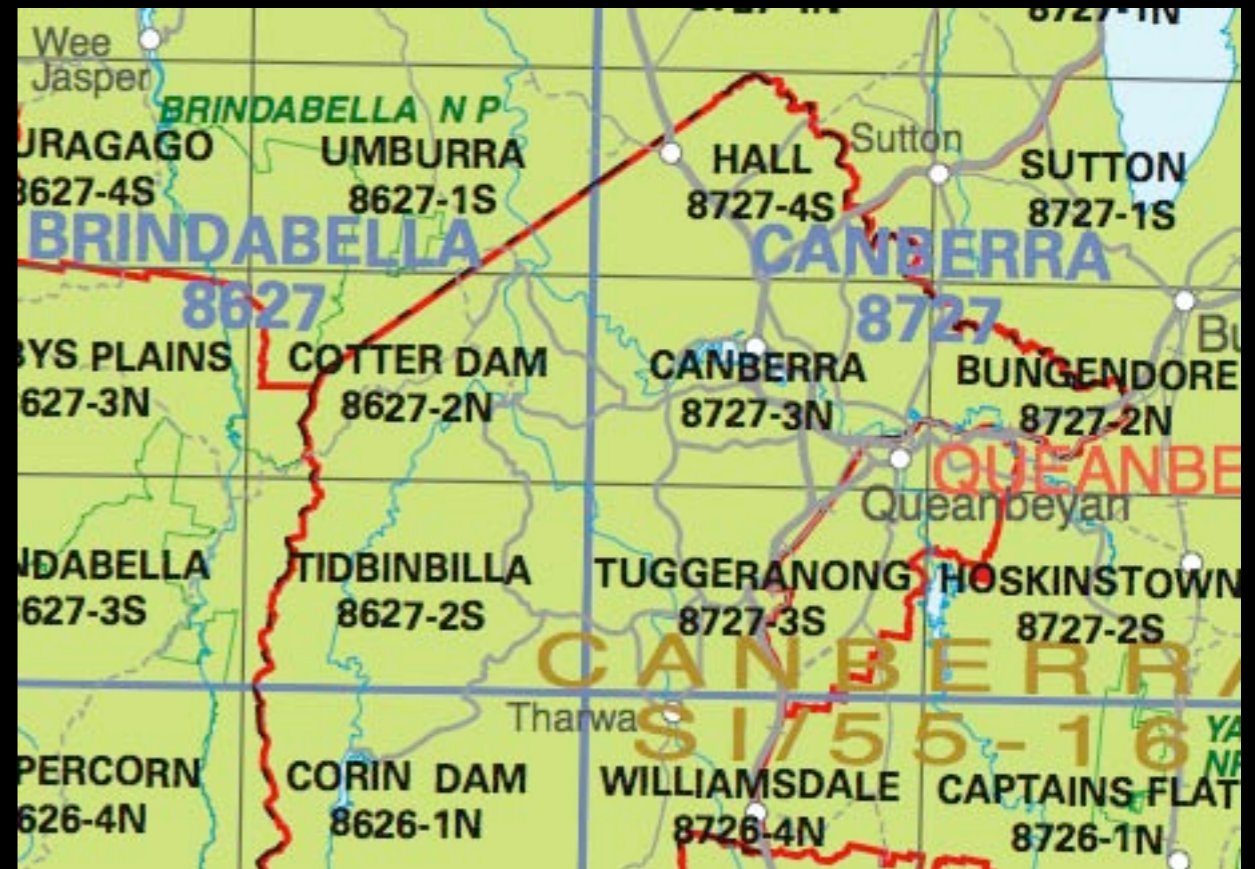
# TopoView Raster

**Map Information** X

Map Name:	CANBERRA
Sheet Number:	87273N
Datum:	GDA94
Date:	
E-W distance:	4.749km
N-S distance:	2.611km
Top Left:	35.2582 deg S, 149.03 deg E Easting: 684666, Northing: 6096435, Zone: 55
Bottom Right:	35.2817 deg S, 149.0821 deg E Easting: 689359, Northing: 6093726, Zone: 55

# Graphic Converter

- topocat-nsw-east.pdf
- mapdata.txt
- Topoview\_index.fp7
- canb3n.ecw



# Demo



# Links

- <http://gpsmac.blogspot.com/>
- <http://www.takitwithme.com/>
- <http://code.google.com/apis/kml/documentation/whatiskml.html>

# Questions?



# Title

- First Point
  - Second Point
    - Third Point