



# Queensland Australia

*...the smart choice*

## **SunPOZ**

### ***Centimetre-accurate positions in real time***

Improve your positioning reliability and accuracy with SunPOZ. The Queensland Department of Natural Resources and Water offers a Global Navigation Satellite System (GNSS) based service allowing you to obtain centimetre-accurate, three-dimensional positions in real time.

Based on Trimble's Virtual Reference Station (VRS™) technology, SunPOZ uses a network of permanent GNSS reference receivers to generate position corrections and deliver them via mobile communications.

SunPOZ is undergoing further development and customers are currently trialling the service.

### ***The process***

- A network of continuously operating GNSS receivers feeds data to a central computer.
- Your GNSS receiver contacts the SunPOZ central computer and sends its approximate position.
- The SunPOZ computer generates a VRS at that approximate position and sends corrections to your receiver.
- Your receiver is positioned in real time with centimetre accuracy.

SunPOZ also provides a service delivering GNSS reference station data for post-processing applications.

### ***Advantages***

SunPOZ increases productivity and has numerous advantages over current real time GNSS solutions including:

- mobile communications which overcome the limitations of radio range
- multiple networked reference stations which are more reliable than single station solutions
- an initialisation time of only one to two minutes
- consistent and repeatable positions—daily, monthly, yearly
- no requirement to buy or rent a reference receiver or monitor a reference receiver each day.

### ***SunPOZ expansion***

Currently, SunPOZ covers the heavily populated south-east corner of Queensland and is used primarily for surveying. The expansion of SunPOZ in Queensland and the introduction of services to areas requiring support for machine guidance for construction, mining and precision agriculture are now under consideration.

### ***Further information***

*SunPOZ Manager*

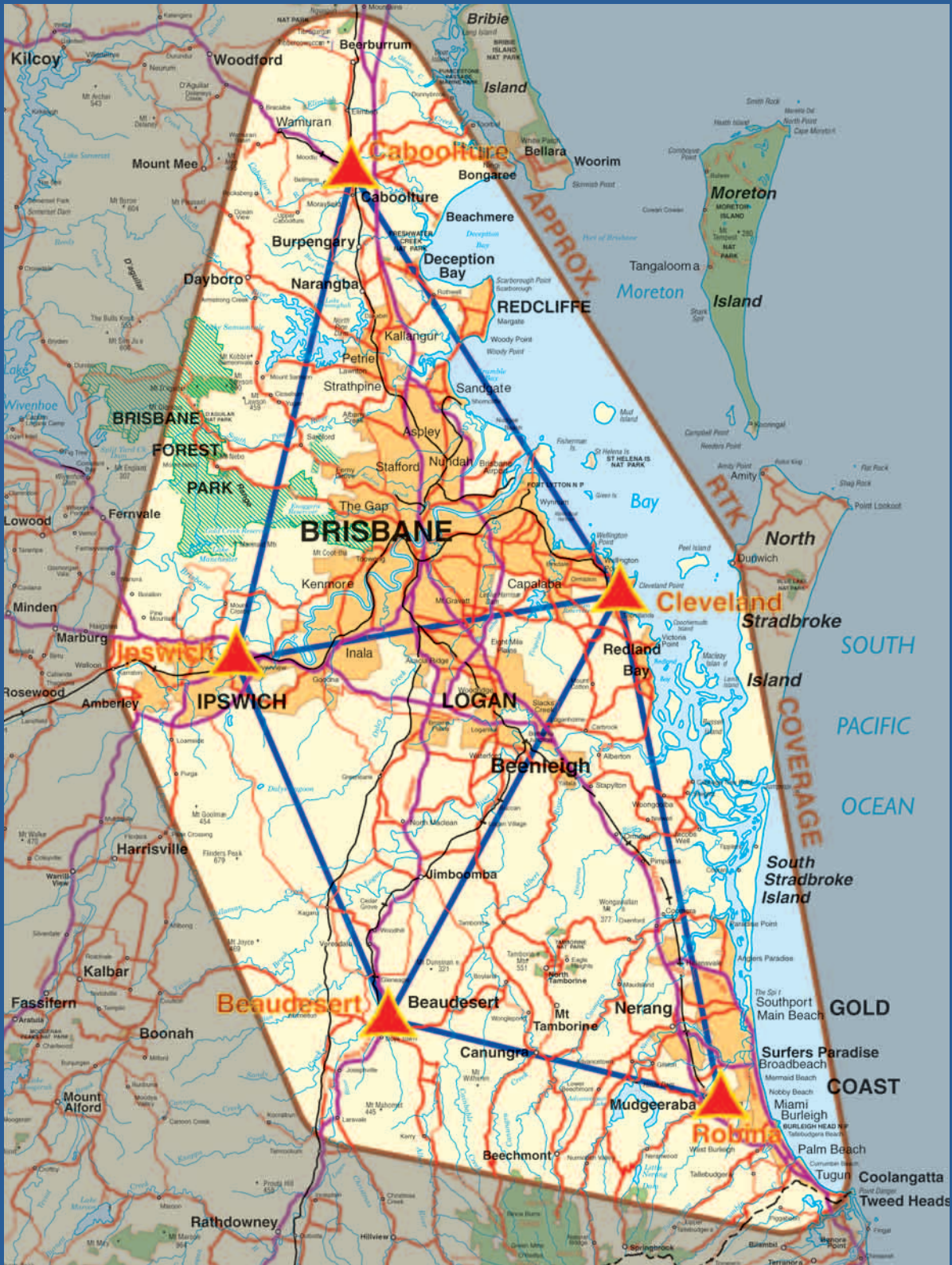
Department of Natural Resources and Water  
Locked Bag 40  
Coorparoo Delivery Centre  
Brisbane Qld 4151, Australia

Telephone: +61 7 3896 3030

Facsimile: +61 7 3891 5168

Email: [SunPOZ@nrw.qld.gov.au](mailto:SunPOZ@nrw.qld.gov.au)

# SUNPOZ network coverage



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