

# National Park's Products



- **Solid Construction**
- **Vandal Resistant**
- **Detailed for Long Life**
- **Proven Products**

Ted Stubbersfield was a long time supplier to the Queensland and New South Wales national parks.

Expertise in the field of exposed timber applications was developed by Ted through a number of formal research projects. Through this research we acquired a deep understanding of the issues relating to designing, supplying and constructing fully weather exposed timber as well as timber and steel structures. This knowledge has been made available to the licensees of his IP, Outdoor Structures Australia.

It is little understood that timber specified and supplied to Australian Standards may not be suitable for external use. AS2082 only deals with strength on the day of grading without saying anything about its long term performance in weather exposed conditions. Products used in national parks have the additional requirements of durability, low shrinkage, stability and suitable appearance.

The products made by Outdoor Structures Australia go beyond the requirements of Australian Standard grading to ensure products that perform well and age gracefully are supplied.



With over 30 years experience of supplying Queensland and New South Wales national parks with boardwalks, barbecue sets, shelters and traffic barriers, we know that you require quality products that last.

Exposed timber structures not only look appropriate in the natural environment but are also environmentally friendly when compared with steel structures due to the minimal carbon footprint.



**Outdoor Structures  
Australia** *outlasts and outperforms*

Products in this brochure were supplied by Ted's former company

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## Product Lines

### Traffic Barriers and Bollards

OSA's Heavy Duty range of bollards and traffic barriers have been used widely throughout the state with great success. We supply a range based on dressed 190x90 or rough sawn 200x100 royal species hardwood with sapwood treated with new generation treatments without chrome or arsenic.



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### Barbecue Tables

OSA manufactures barbecue tables to Queensland Parks and Wildlife Service drawings including D1, D2 and a modification of the D1 table that is 2.7m long. Steel framed tables can also be accommodated.



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### Shelter Shed Kits

We can assist with shelters built to Queensland Parks and Wildlife Service drawings or to our own.



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### Sign Shelters

We can produce sign shelters to standard Queensland Parks and Wildlife Service drawings. We also can provide a modification to the standard double sided shelter for A3 signs.



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### Deckwood and Joistwood

OSA undertook a formal research program into boardwalk and deck design. This resulted in products and building practice that was very different to normal practice. It was assessed by the State and Federal government as representing Advanced Technology.



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### CN Oil and Emulsion

Lonza's (formerly Arch Wood Protection) range of CN oil and Emulsion is available from Outdoor Structures Australia including 200 litre drums of oil. CN Oil is the most robust decking oil available in the country.



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### Tanacoat

Tanacoat was especially developed for OSA by Lonza as a replacement for CN Oil in more environmentally sensitive areas where dripping into a waterway may be an issue. Tanacoat is available in 4, 15, 200 and 1000 litre containers.



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### Hardware

OSA can supply a wide range of hardware for building weather exposed timber structures. This includes bolts and screws. Illustrated is a volute washer which will take up 25 mm shrinkage.



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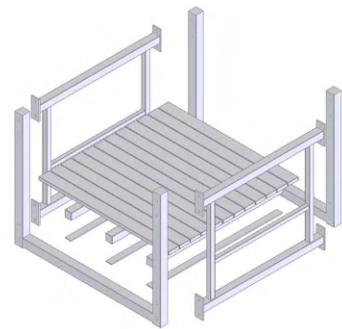
### Stuart Series Footbridges

OSA's bridges will span up to 20 metres. Custom designs will go further. The bridge illustrated uses a high tech paint system to achieve the necessary corrosion resistance while integrating very well into the natural environment.



### Remote Access Bridges

Many sites are too remote or difficult to allow a standard bridge to be brought to site. The modular bridge has been developed which allows individual components to be carried by hand or helicopter into site. This bridge is for Class 3 Walking Tracks and will carry a quad bike. Modules up to 12.0 m are available.



### Timber Bridges

A well proven range of timber bridges are available. These are built on either log girders or sawn members. Log girders can span up to 10 m and sawn members only reach 6.0 m.



### Technical Guides

In his semi retirement, Ted has been writing a series of timber design files outlining best practice in weather exposed timber design, supply and construction. These are purchased direct from Ted on 0414 770 261.

