

# CAGEDROCK



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## CHRISTMAS NEWSLETTER 2019/2020



Caged Rock would like to wish our employees, customers and suppliers a Merry Christmas and a Happy New Year and a safe and happy festive season. Our workshop will be closed from Friday 20<sup>th</sup> December 2019 to Monday 13<sup>th</sup> January 2020. We look forward to an exciting year in 2020. Some of the new developments include:

- Research into welded mesh gabion wall design and construction to meet Australian Standards for retaining walls (including ASTM 974-97) through the School of Civil Engineering, University of Queensland, under Jurij Karlovsek Assistant Professor. Caged Rock will supply gabions and rocks for testing.
- Improvements of the Forkliftable Gabion concept, trials of which have been already carried out by Morton's Quarry at Ingham, North Queensland. The standard Caged Rock forkliftable gabion is supplied in flatpack form and has dimensions 1050mm wide x 500mm deep x 1200mm high (approx. 1 tonne). The folded mesh base is prepared by Daxon Fabrications of Sumner Park. Future developments include the provision of 50mm pipes in the gabions to allow the use of soil nails with external square plates that can be tensioned to affix the gabions to the wall that is being supported. The gabions can be pre-loaded with rocks and lowered into place thus reducing the need for manual handling of rocks to load the gabions.
- Development of the wall panel concept. For freestanding walls, the rule of thumb is a height to depth ratio of 2:1 or less but this ratio can be increased if the gabion is built on a self-supporting integrated galvanised frame.  
Caged Rock can install sound absorbing privacy walls with a minimum depth (or thickness) of 250mm. Panel widths are 3000mm and up to 1800mm high and the gabions are built on 3x75mmx75mm RHS posts integrated with a reinforced concrete foundation wall 50mm thick. Panels can be supplied using 50mmx50mmx4mm ARC mesh or 100mmx50mmx4mm GALFAN mesh supplied by Gabion Cages Pty Ltd.
- Do It Yourself (DIY) gabion projects. Caged Rock can help you with the design of your landscaping project and supply the gabions fabricated ready to install. We can also supply the gabion rock, geotextile and other accessories.
- Competence in installing Geofabrics mattress gabions for SEQ Water. In the past 18 months we have completed three major projects as sub-contractors with CC Group Ltd at Pine Rivers and Mt Crosby.

**Caged Rock gabion rock choices, using +75mm to -150mm Gabion rock include:**

Cumner Quarry Trachyte from Redbank (our preferred local rock)

Keperra Granite and Tuff from RockWerx (Boulder Wall Constructions), Keperra .

Greywacke from Karremans.

Special multi-coloured Brisbane Tuff.

Tumbled sandstone from Helidon.

Beautiful coloured rock from the Prophet Mine near Gympie.

**Caged Rock products include, in addition to our gabions:**

Garden seats with granite and sandstone tops

Fire pits (can be made to your design – our large fire pit is 1200wx450hx600d

Gabion Planters

Architectural Walls



**Caged Rock Firepit with Ash Tray under**



**Caged Rock Garden Seat in Sandstone**



**Caged Rock Fence on Galvanised Frame**



**Gabion Outdoor Area (DIY)**



**Forkliftable Gabions at Morton's Quarry**



**Gabion Fence Using Prophet Mine Rock**