

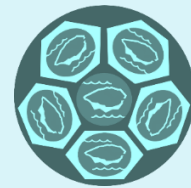
Port Stephens Shellfish Reef Restoration

Stage 1 and 2 Monitoring Results of *Bindayimaguba Ninang* and *Garuwaguba Ninang*

Delivering the first large-scale shellfish reef restoration project in NSW

Located in two remote parts of the Port Stephens-Great Lakes Marine Park in the traditional lands of the Worimi people, the shellfish reef restoration project aims to restore natural shellfish reef habitat, enhance water quality and boost local fish numbers.

Nearly
\$1.5M*
total project
delivery



7.5 ha or **11** soccer pitches of
sydney rock oyster reef created



7,500 tonnes of rock and **180** m³ of
recycled Port Stephens oyster shell used to
create reef bases



159 days reef
construction



5+ local
construction
positions created
by the project



Worimi Elders name the reefs
Bindayimaguba Ninang
and **Garuwaguba Ninang**,
reflecting the cultural importance
of Sea Country



4,715+ cumulative hours of monitoring the
new reefs and analysing the results





34 Million oysters naturally
recruited and established in the first **3** years

Oyster recruits
80 % the size of
wild adult oysters
after **3** years

Twice as many
Bream
at new reefs compared to
natural reef habitat



Reefs filtering **9 million litres** or over **3 ½ Olympic-**
sized swimming pools of water **AN HOUR**



35 fish species



equal to that seen at
natural reefs



Developing reefs now providing
complex **habitat** for smaller,
cryptic species



Australian Government
Department of Climate Change, Energy,
the Environment and Water



*This project was funded by the NSW Marine Estate Management Strategy in partnership with The Nature Conservancy and the Australian Government's Reef Builder initiative.

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