

ACTIVE ENVIRONMENTAL Management

September 2019



**PORT of
NEWCASTLE**



COMMITTED STEWARDS

“Port of Newcastle is proud to be the custodian of the Port for the NSW government and the people of NSW.”

We Manage:



20

individual heritage assets of local and State significance

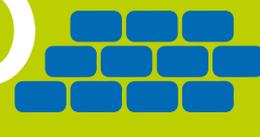


777ha

of land

1,900

metres of break walls



13km

of roads

To date we have:



spent

\$1.33 million

in stormwater infrastructure maintenance and improvements

spent

\$1.9million

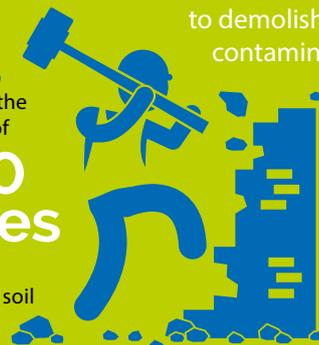
to demolish asbestos contaminated buildings

spent
\$33 million



on bulk handling infrastructure environmental improvements

This included the safe removal of
1,500 tonnes
of asbestos contaminated soil



All timber and concrete structural materials were
recycled



spent

\$640,000

understanding the contamination status of Port land through the Baseline Contamination study

spent
\$1.3million

to renew

580

metres of seawall around Walsh point to prevent soil erosion



969metres landscape buffer on port lands

90ha of remediated land responsibly managed

committed



\$1.6 million

to Carrington Hydraulic Engine House Restoration Project



CASE STUDY

Carrington Hydraulic Engine House

Port of Newcastle has commenced a \$1.6 million project to restore the facade of the State Heritage listed Carrington Hydraulic Engine House.

In February 2017 the NSW government announced \$500,000 in funding via the Newcastle Port Community Contribution Fund towards the restoration of the building's historic facade and the creation of an outdoor community space. Port of Newcastle will contribute \$700,000.



More online...
portofnewcastle.com.au



CASE STUDY

Managing industrial legacy

The Port has seen over 200 years of heavy industry including steelworks, shipbuilding, chemical manufacturing, minerals and metal handling and transportation.

Port of Newcastle has conducted a port-wide study to better understand the condition of the land covered by the port lease.

As part of the study, 257 test pits, 425 soil bores, 59 new groundwater wells and 145 existing ground water wells were sampled.

Port of Newcastle is working closely with tenants and government agencies to develop management strategies that address the port's industrial legacy.



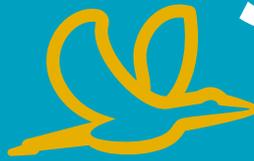
Pictured: a ground water test pit.



BEYOND OUR BOUNDARIES

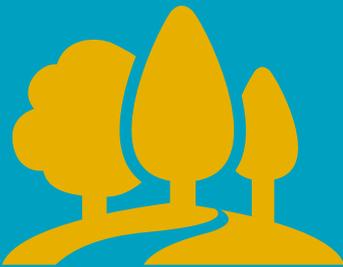
“We are active contributors to the management of local environmental initiatives.”

To date:



\$50,000

spent on habitat restoration works within the Hunter Wetlands National Park



115ha

of land managed to remove noxious weeds

300kg of litter

removed during the 2018 Port wide litter pick



2,297

trees planted



Facilitated the import of

170

wind turbines for renewable energy projects

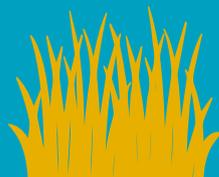
\$83,545

provided in community grants in support of environmental initiatives



>200,000 tonnes

of clean dredged sand placed off shore from Stockton Beach to help restore sand that has been lost through erosion



\$60,000

spent to date monitoring the health of salt marsh around the Port



Pictured: Tree planting on Kooragang Island.



Investment in local environmental initiatives

Since the Port lease commenced in May 2014, Port of Newcastle has awarded more than \$700,000 towards community projects spanning, education, the environment, youth leadership and development and community health and well-being.

To date, the Port has awarded more than \$80,000 in support of environmental projects delivered by local community groups including Conservation Volunteers Australian, Kooragang Volunteers, Newcastle Botanic Gardens, Hunter Wetlands Centre and Tom Farrell Institute for the Environment.

The Hunter Wetlands National Park, home to the internationally significant RAMSAR wetlands, is our most important ecological neighbour.



Pictured: Saltmarsh monitoring.



Saltmarsh monitoring

Saltmarshes play a huge role in the aquatic food web, the delivery of nutrients to coastal waters as well as support for terrestrial animals, such as shore birds.

In NSW, saltmarsh is listed as an endangered ecological community under the Threatened Species Conservation Act 1995.

Port of Newcastle conducts annual monitoring that provides valuable data on the status and health of coastal salt marsh in the lower Hunter River area.



MANAGING OUR ENVIRONMENTAL FOOTPRINT

“We are committed to managing the environmental impacts of our operations and developing the port in a sustainable manner.”

We have:

29 installed smart water meters



25 installed smart energy meters



20,000 litres of hazardous waste responsibly destroyed



1,500 tonnes of asbestos contaminated soil responsibly managed

\$600,000 investment



in engine modifications on the David Allan Dredge to reduce emissions and lubricant consumption

Switched to **ultra-low** sulphur diesel in our marine operations

115ha of land managed to remove noxious weeds



60% reduction in oil consumption

4000ltr/year reduction in lube oil consumption, which is a saving of \$21,600/yr



To date we have diverted from landfill:



1109kg in e-waste



47.4kg of batteries



5,700 coffee pods



469 tonnes of concrete



177 skip bins of paper & cardboard



81 mobile phones

292 toner cartridges

993 tonnes of scrap metal



CASE STUDY

Water quality

The quality of the port's water is synonymous with sustainability and respect for the environment.

Port of Newcastle actively monitors the physical - chemical composition of water quality in the port area to inform positive stormwater management decisions.

By working with port tenants and the Environment Protection Authority, the Port can help drive improved outcomes that contribute towards a sustainable port environment.





OUR SYSTEMS AND SUPPORT

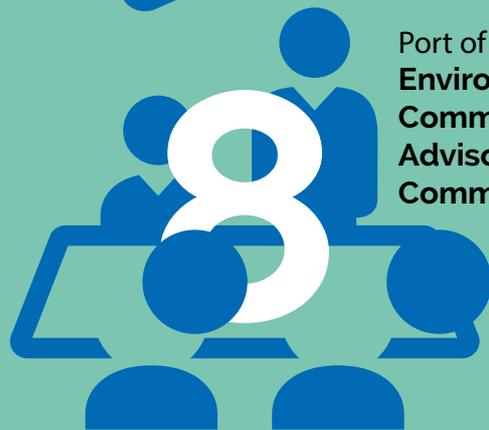
“Our systems support compliant and efficient operations and Port of Newcastle is committed to adopting sustainable practices.”

Each year we conduct:



Internal and External
**Environmental
audits**

Compulsory
sustainability
awareness training
for all PON
employees



Port of Newcastle
**Environmental Steering
Committee and Technical
Advisory Consultative
Committee** meetings

+ Port of Newcastle
staff environmental
training sessions

42

internal
environmental
audits



1,100

weekly environmental inspections of our facilities and berths



Rolled out new Environment and
Sustainability Policy in 2018

Maintain the Port of Newcastle's
Environmental Management
System based on the principles
of the AS/NZS ISO 14001



Member of the Newcastle
Community Consultative
Committee on the
Environment



CASE STUDY

Striving to develop a culture of continuous improvement and innovation.

Our policy and systems

Port of Newcastle's activities are subject to a wide range of environmental conditions set through environmental protection licenses, planning approvals and lease conditions.

The Port's Environmental Policy outlines its commitment to environmental compliance and establishing, monitoring, reviewing and continually improving environmental objectives, targets and action plans.

Our Environmental Management Plan defines the systems and controls that Port of Newcastle applies to deliver high standards of environmental practice and ensure compliance with environmental conditions and legislation.

Port of Newcastle will be the first port in the Australian-New Zealand region to join the EcoSLC network, a network of Ports and terminals striving to achieve best practice environmental management for the port sector.



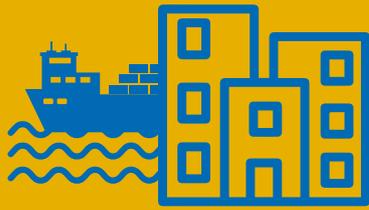
CASE STUDY

Supporting our tenants

Port of Newcastle encourages all port tenants to act in an environmentally responsible manner, requiring the submission of an Environmental Management Plan as part of all new lease agreements and the sharing information with members of the NewcastlePort Users Group (NPUG).

This supports compliance with relevant federal, state and local regulations by port tenants and encourages the adoption of industry best practice and management.





CITY-PORT RELATIONS

“Developing positive synergies inside and outside the port area that create opportunity and contribute towards a resilient and sustainable city port”

16

Quarterly Newcastle Port User Group meetings (since 2014)



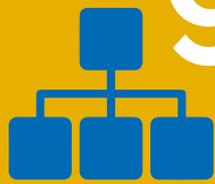
Quarterly community liaison group meetings

Active partnerships with our stakeholders



\$900 million

household income generated by the port in the Lower Hunter*



9000 jobs

created in the Lower Hunter via port activity*



INNOVATION/SMART PORTS

use of technology for smart efficient and sustainable operations



Awarded University of Newcastle Student Engagement Awards;

Most Valued Partner 2018

Seasonal newsletter distributed to



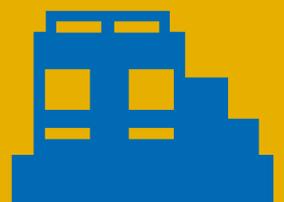
18,000 LOCAL RESIDENTS

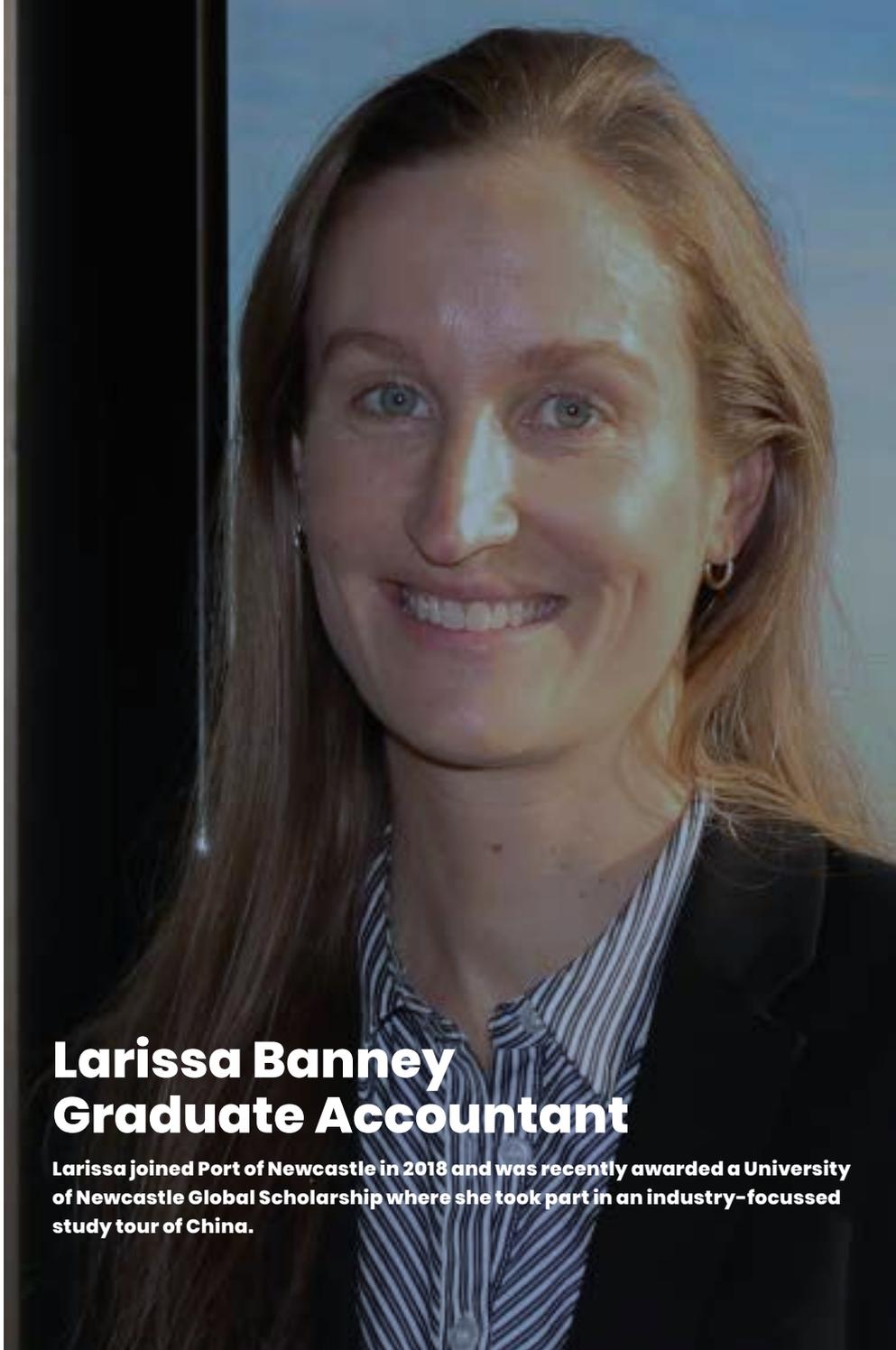
*In 2016/17 each SHIP VISIT contributed nearly

\$700K
to the local economy

\$800K
to the NSW economy

\$900K
to the National economy





Larissa Banney Graduate Accountant

Larissa joined Port of Newcastle in 2018 and was recently awarded a University of Newcastle Global Scholarship where she took part in an industry-focused study tour of China.



CASE STUDY

Education and training

Port of Newcastle is committed to maintaining strong relations with its local education and training providers.

In 2018, the Port received the 'Most Valued Partner' award from the University of Newcastle in recognition of its successful internship program.

By offering opportunities to students through its internship program, Port of Newcastle is proud to be supporting the development of our next generation of professionals.

To date, Port of Newcastle has provided internships across a wide range of disciplines, including environmental management, finance, legal services and survey.