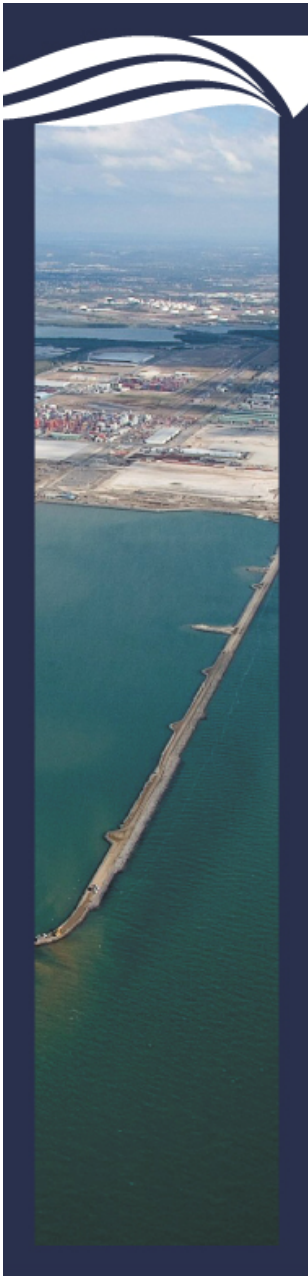




PORT of BRISBANE

Here for the future

Port of Brisbane Corporation Water Use



Port of Brisbane Users vs. Other Water Users

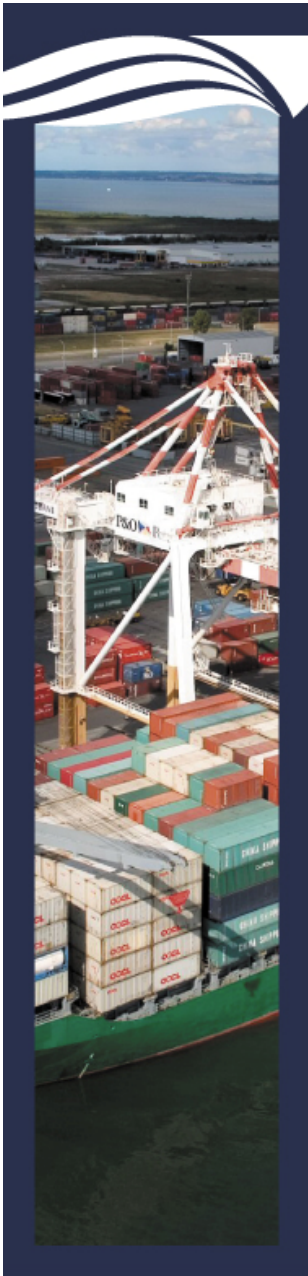
- In 2003, PBC used 35% of all water at the Port

Entity	Volume (2003)
Port of Brisbane (incl tenants)	401 kL / day
Incitec Fertilisers	6,615 kL / day
Brisbane Airport Corporation	3,215 kL / day

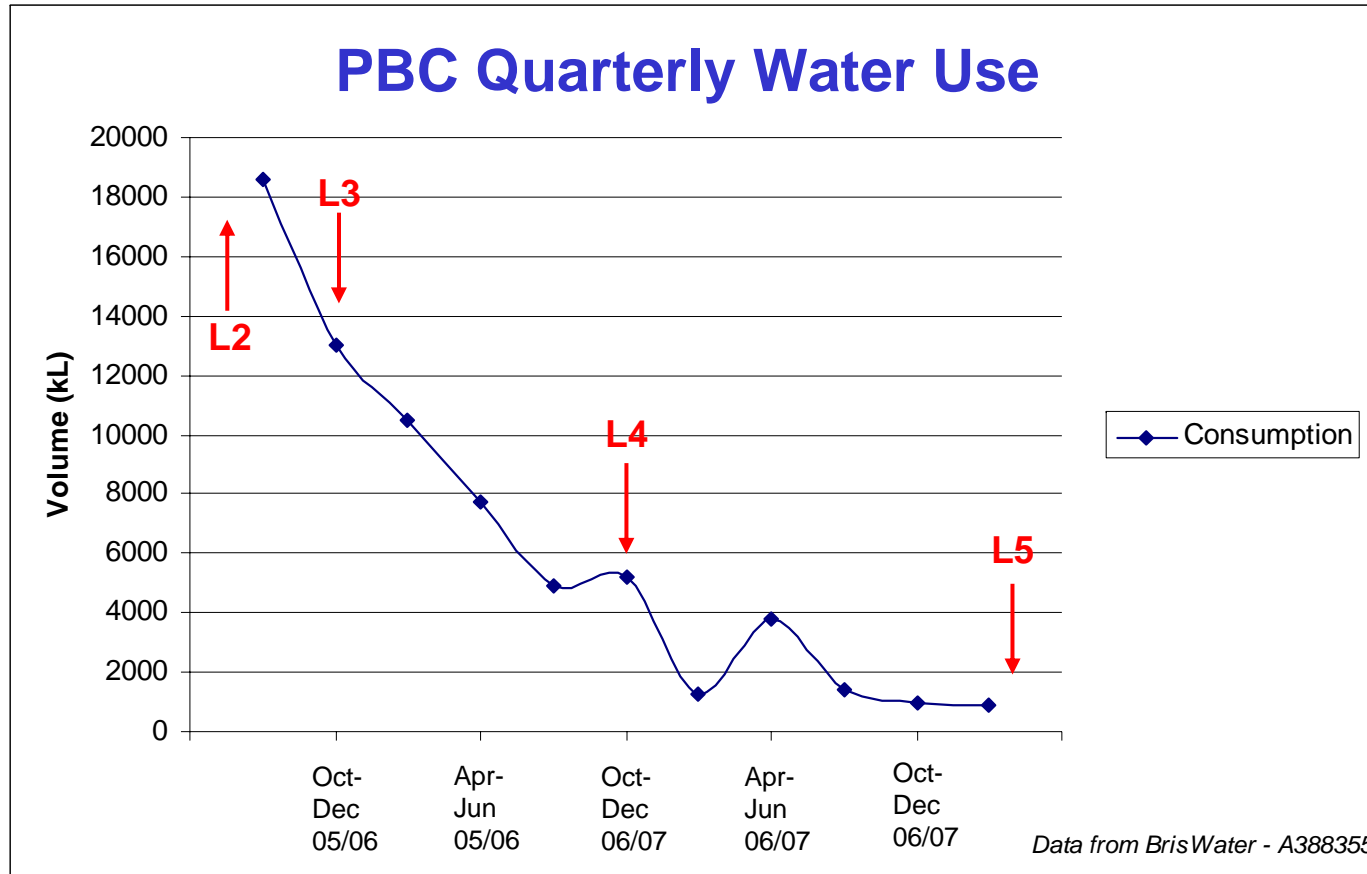
Port of Brisbane Corporation Water Use

- PBC has decreased its daily water use by >90% since 2003

Year	PBC Daily Use (not incl tenants)
2006/2007	9.1 kL / day
2005/2006	39.4 kL / day
2004/2005	134.1 kL / day
2003/2004	~140 kL / day



PBC Quarterly Water Use





QWC Water Restrictions

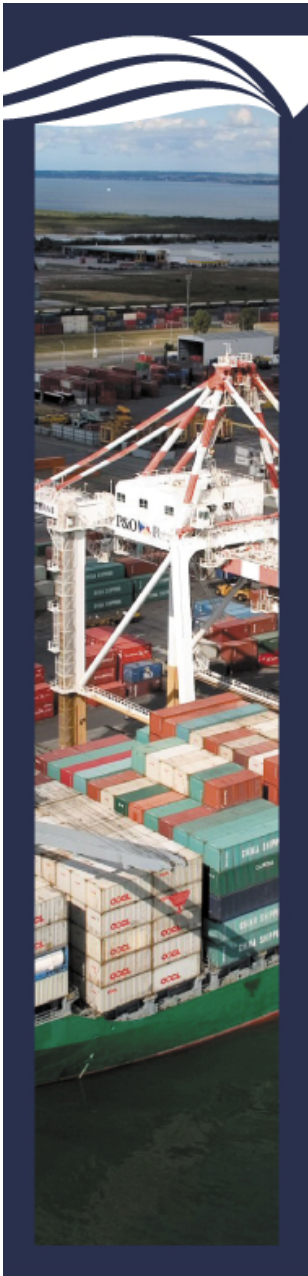
Water Efficiency Management Plan (WEMP)

- Where greater than 10ML use in 2005/06
- A plan of how maximum water efficiency will be achieved
- 1 PBC WEMP (14.19ML)
 - Including Port Office, POBOB, VC, Reclamation
 - Assess water use
 - Identify best practice
 - submitted prior to 31 July 2007



PBC Water Use Reduction Strategies

- Investigation of use and alternative water sources
- Approx. 95% construction water now substituted with:
 - sea water – direct from river / bay
 - harvested stormwater – on site reservoir
 - recycling of necessary potable water in wharf concrete curing
- Recycled water for irrigation
- Water Tanks - Port Office, POBOB, BMT, Landcare and Reclamation
- Investigating a 25 tonne water limit to ships
- Water efficient fittings in all buildings
- Water Efficiency Kits for staff home use



Rainwater tank at Port Office



Port Gate stormwater reservoir



Wharf concrete water recycling

Port Tenant Water Use Reduction Strategies

- Promote water efficiency through new PBC Development Code
- Port Water Users Forum – working with Port Community to reduce water use
 - e.g. replaced water-washing of some equipment with dry-vacuum system
 - e.g. installation of water recycling BP truck wash

Where to from here?

- Ensure compliance with QWC Water Restrictions as minimum
- Promote water efficiency through Port Water Users Group, Development Code and other mechanisms
- Investigate and implement further best practice / alternatives. These may include:
 - further stormwater harvesting opportunities;
 - package Wastewater Treatment Plant for designated precinct – drought proof;
 - further investigation of the options for source substitution for construction projects.