



# WESTERN CORRIDOR

RECYCLED WATER PROJECT



# Project need

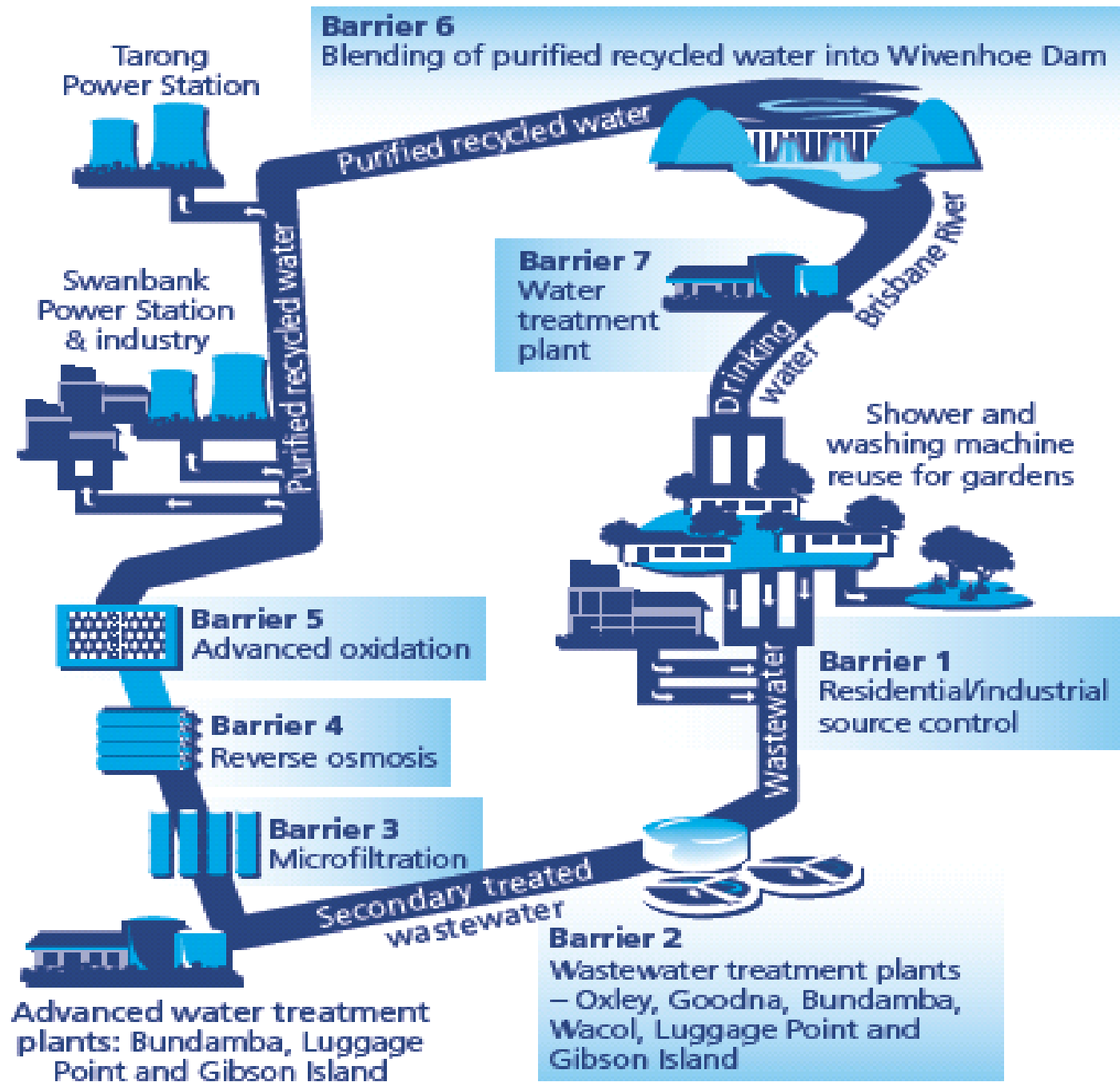
- Drought
- Climate change
- Population Growth



# Project objectives

- Completed by December 2008
- Producing up to 232 million litres of purified recycled water daily





# The seven barrier water cycle



1. Source management
2. Wastewater treatment plants
3. **Microfiltration**
4. **Reverse osmosis**
5. **Advanced oxidation**
6. Blending of purified recycled water into a body of water
7. Water treatment plant

# Wiser Waterways

- Healthier Brisbane River and Moreton Bay
- Removal of phosphorus and nitrogen



# Government investment

- \$2.5 billion partnership
- Queensland Govt \$2.1 billion
- Australian Govt \$408 million

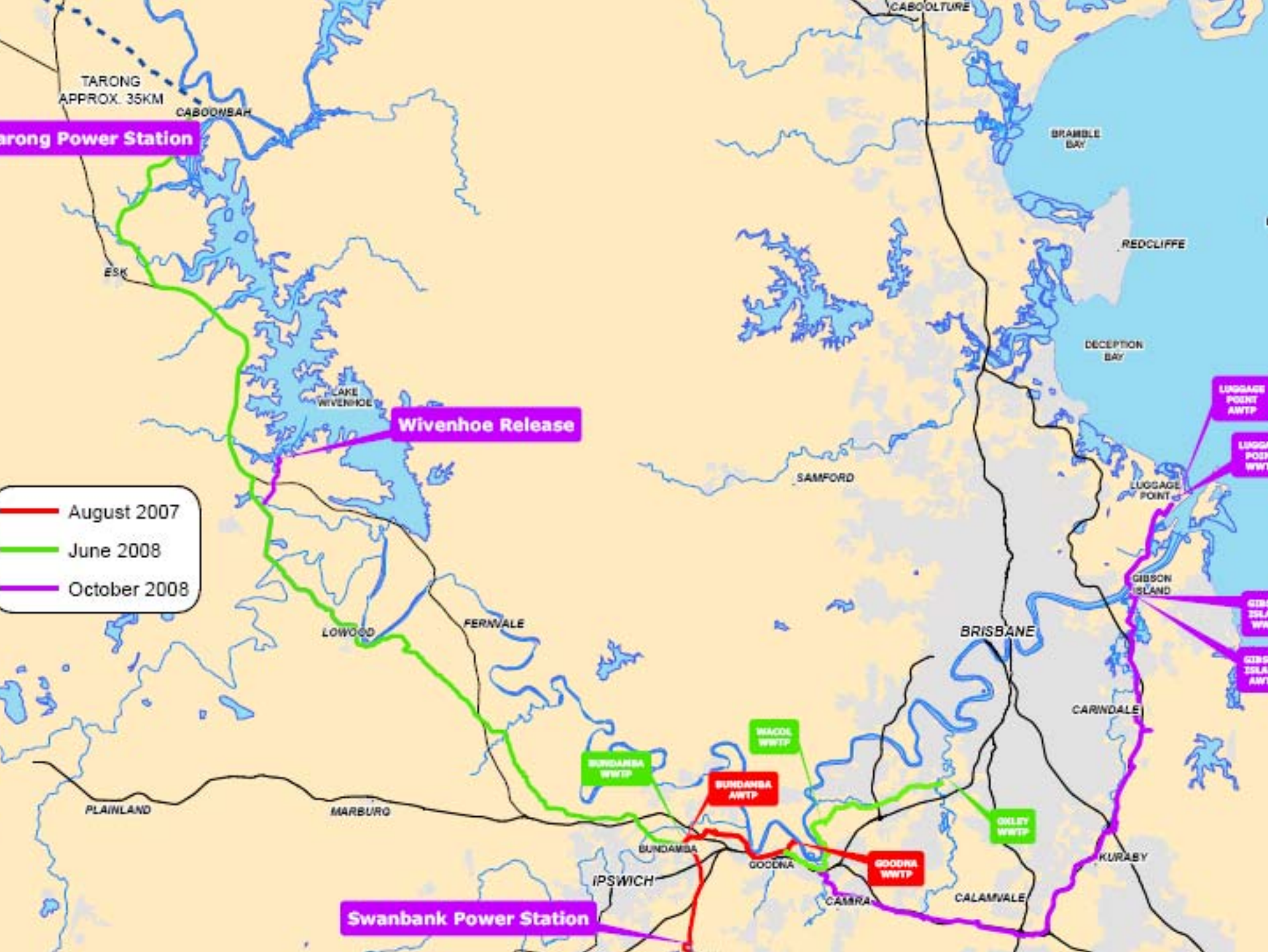


# Alliance delivery model

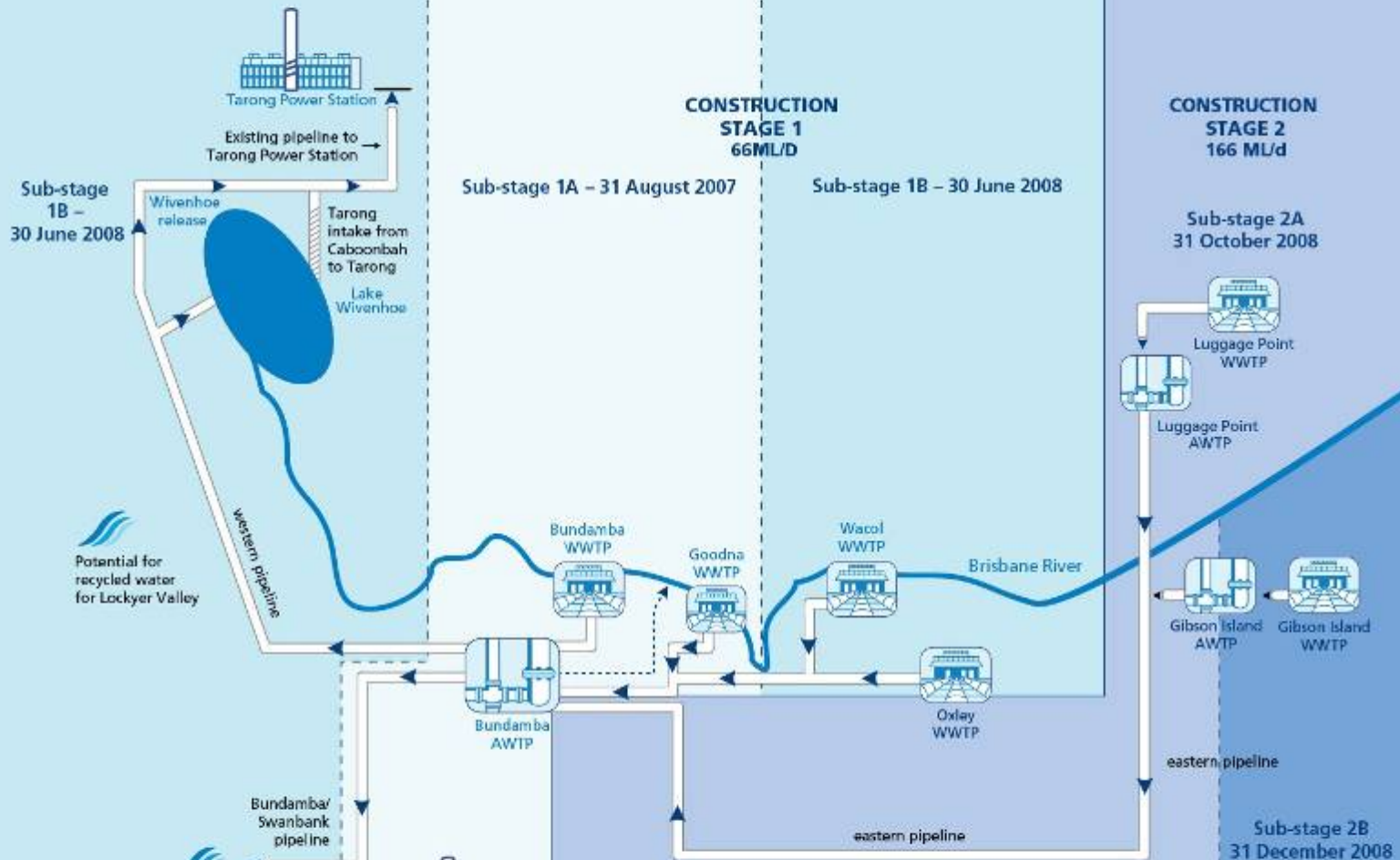
- Multiple alliances
- Shared risk and rewards







# Western Corridor Recycled Water project delivery



AWTP Advanced water treatment plant  
 WWTP Wastewater treatment plant  
 - - - - -> Reverse osmosis offtake

# Milestones achieved

## *Stage 1A – August 2007*

- Bundamba AWTP provides up to 20 ML of water daily for Swanbank Power Station

## *Stage 1B – June 2008*

- Bundamba AWTP capacity increased to 66 ML daily
- Water to Tarong Power Station



# Milestones ahead

## *Stage 2A – October 2008*

- Water from Luggage Point and Gibson Island AWTPs to Bundamba
- Western Pipeline outfall to Wivenhoe Dam

## *Stage 2B – December 2008*

- Final 50 megalitres capacity for Gibson Island AWTP

# Global significance

- Southern Hemisphere's largest water recycling project
- Third largest water recycling project in the world



# Award Winning

- 2008 Global Water Project of the Year
- IWA Honour Award
- 2008 International Public Relations Association Event Management Award
- Merit (silver) award, International Association of Business Communicators
- Finalist, 2008 Australian Construction Achievement Awards

# Project benefits

- More sustainable water supply
- Less demand on drinking water supplies
- Reduced impact on waterways and Moreton Bay



For more information visit:  
[westerncorridor.com.au](http://westerncorridor.com.au)