

ITINERARY



Port of Brisbane Studies

Year 11 & 12 Program

Land cover transformations

Geography - Unit 3 (Topic 2): Responding to local land cover transformations

Learning Intentions

Students, in the role of Geographers, investigate a mangrove ecosystem adjacent to the Port of Brisbane and Moreton Bay, and:

- Comprehend sensitivity of mangrove ecosystems to disturbance and explain interactions between port operations and mangrove systems that result in land cover change at Whyte Island
- Engage in data collection procedures to investigate biophysical and anthropogenic processes occurring on Whyte Island guided by the geographical inquiry process and mangrove succession model
- Interpret land use and recognise spatial patterns of land cover change at the Port of Brisbane using spatial technologies and observations from the river or land in order to evaluate coastal protection by mangrove forests

NOTE: Itinerary may be modified to reflect tide or school requirements

"Inspiring Champions for the Bay"	Time	Activity
	9.00-10.15	Port Tour (bus or boat) Students collect qualitative data about Port operations, including remnant mangrove forest, reclamation areas, water quality and biosecurity to develop an understanding of the study context.
	10.15-10.30	Morning tea and toilet break
	10.30-11.00	Presentation from Environment Manager Port of Brisbane Natural Area Management – Port Central Students analyse satellite imagery to identify change at the Port over time and identify environmental management challenges and solutions from the Port's perspective.
	11.00-11.30	Lunch and toilet break at Port Central – Port Central Avenue
	11.30-2.30	Mangrove Activity – Whyte Island Students collect qualitative and quantitative data along a transect. Using scientific instruments students make observations as they move through the mangrove forest. They then reflect on data collection methodology and identify limitations.
	2.45	Board bus to return to school.

Students will need:

- Covered footwear and covered 'wet' shoes
- Small towel and long pants
- Sun-safe clothing and hat
- Sunscreen and insect repellent already applied
- Water bottle
- Morning tea and lunch
- Clipboard and pencil
- Camera (one per group)

Litter-free Lunch

We encourage students and staff to pack a litter-free lunch. Everything in it can be re-used, composted or recycled. Drinks are brought in refillable bottles.

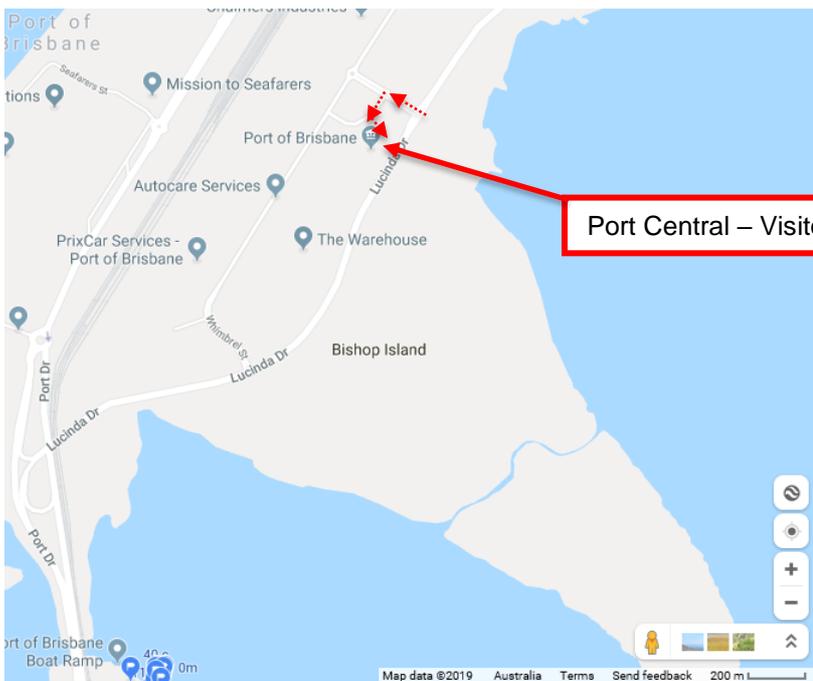


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Location Maps



Fort Lytton – Boat ramp
Fort Lytton National Park, corner of Lytton Road and South Street, Lytton



Port of Brisbane Visitor Information Centre
– Lucinda Drive, **Port of Brisbane**

Port Central – Visitor Information Centre



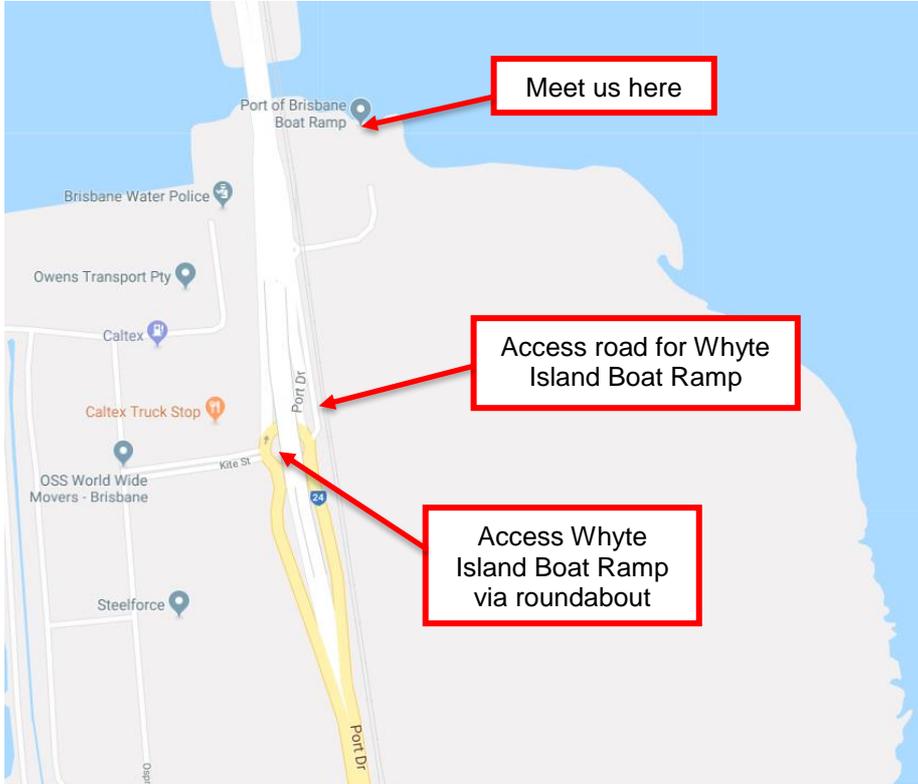
Moreton Bay
ENVIRONMENTAL EDUCATION CENTRE
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Queensland Government

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Whyte Island Boat ramp - Mangroves



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