

URBAN DYNAMICS

Grace Larobina, Hills Grammar



Barangaroo Reserve. Source: Wikimedia Commons

Introduction

At Hills Grammar, the Year 12 Geography Urban Places topic involves in-depth case studies for the urban dynamics section of the syllabus – the city of Sydney and the suburb of Barangaroo. In order to give the students first-hand experience to collect information and draw conclusions we visit two sites.

The morning starts at Site 1: Barangaroo – a suburb transformed by urban dynamics. Here we undertake a tour with Lend Lease where the students will see firsthand what a carbon neutral precinct looks like and gain an insight into the largest urban regeneration project currently underway anywhere in Australia. The walking tour is within public areas and students learn about the key sustainability, liveability and historical elements of one of Sydney's newest suburbs.

An excellent site that the students use prior to and after the fieldwork is <https://www.barangaroosouth.com.au/community/learning-portal>

After morning tea, we then visit Site 2: The Sydney Tower Eye as a vantage point to see the impacts and spatial dimensions of urban dynamics in a large city – Sydney.

A key literacy aspect of the fieldwork is to write evidenced based paragraphs integrating the findings of the inquiry.

Classroom discussions involve identifying and exploring geographical methods applicable and useful in the workplace and how to apply the information to short answer HSC questions.



Darling Harbour and Glebe Island from The Eye, Sydney Tower. Source: Wikimedia Commons

Case Study 1: Urban Dynamics (Urban Renewal, Urban Decay) Barangaroo

SYLLABUS

Urban dynamics

- The urban dynamics of change: suburbanisation, exurbanisation, counter urbanisation, decentralisation, consolidation, urban decay, urban renewal, urban village, spatial exclusion
- A case study showing ONE of the urban dynamics listed above, operating in a country town or suburb

Case study 1: Showing ONE of the urban dynamics operating in a suburb – Barangaroo

Introduction

Barangaroo is a 22 ha inner-city suburb of Sydney, New South Wales, Australia. It is located on the NW edge of the Sydney central business district and the southern end of the Sydney Harbour Bridge; Post code 2000. The new suburb of Barangaroo has undergone a transformation from its historical past. In many ways, Barangaroo is a snap shot reflection of Sydney; the industrial and trade era to the new clean energy and financial hub of the city. What we see today is the culmination of years of planning for a better Sydney foreshore and a reflection of the changing nature of Sydney as a world city. Barangaroo is the result of two key urban dynamics: urban decay followed by urban renewal. It is difficult to discuss this urban renewal project without a context of urban decay.



Entrance to Wynyard Walk. Source: Wikimedia Commons

FIELDWORK

Based on your initial observations; outline the most striking aspects of this urban renewal project?

HISTORY OF BARANGAROO

Outline the history of this location:

- a. Indigenous _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

The image consists of two black and white photographs side-by-side, showing the port of Lorient after the 1944 bombing. The left photograph shows a row of multi-story buildings, some of which appear damaged or partially destroyed. A church spire is visible on the hill in the background. The right photograph shows a large ship being repaired on a dry dock, with a smaller building and the same hill in the background.

b. Early industrial use, and urban decay _____

Describe the location of Barangaroo (Use your Phone apps to determine)

FIELDWORK: YEAR 12 URBAN PLACES

d. What direction is Barangaroo from Kenthurst (Hills Grammar)

e. Outline THREE positive impacts of the location of the newly developed Barangaroo.
(Impacts can be Social, Economic, Environmental)

1.

2.

3.

f. Discuss the implications of ONE of the positive impacts you have identified above.

Identified positive impact of location of Barangaroo	
Positive	Negative

Outline THREE negative impacts of the location of the newly developed Barangaroo.
(Impacts can be Social, Economic, Environmental)

1.

2.

3.

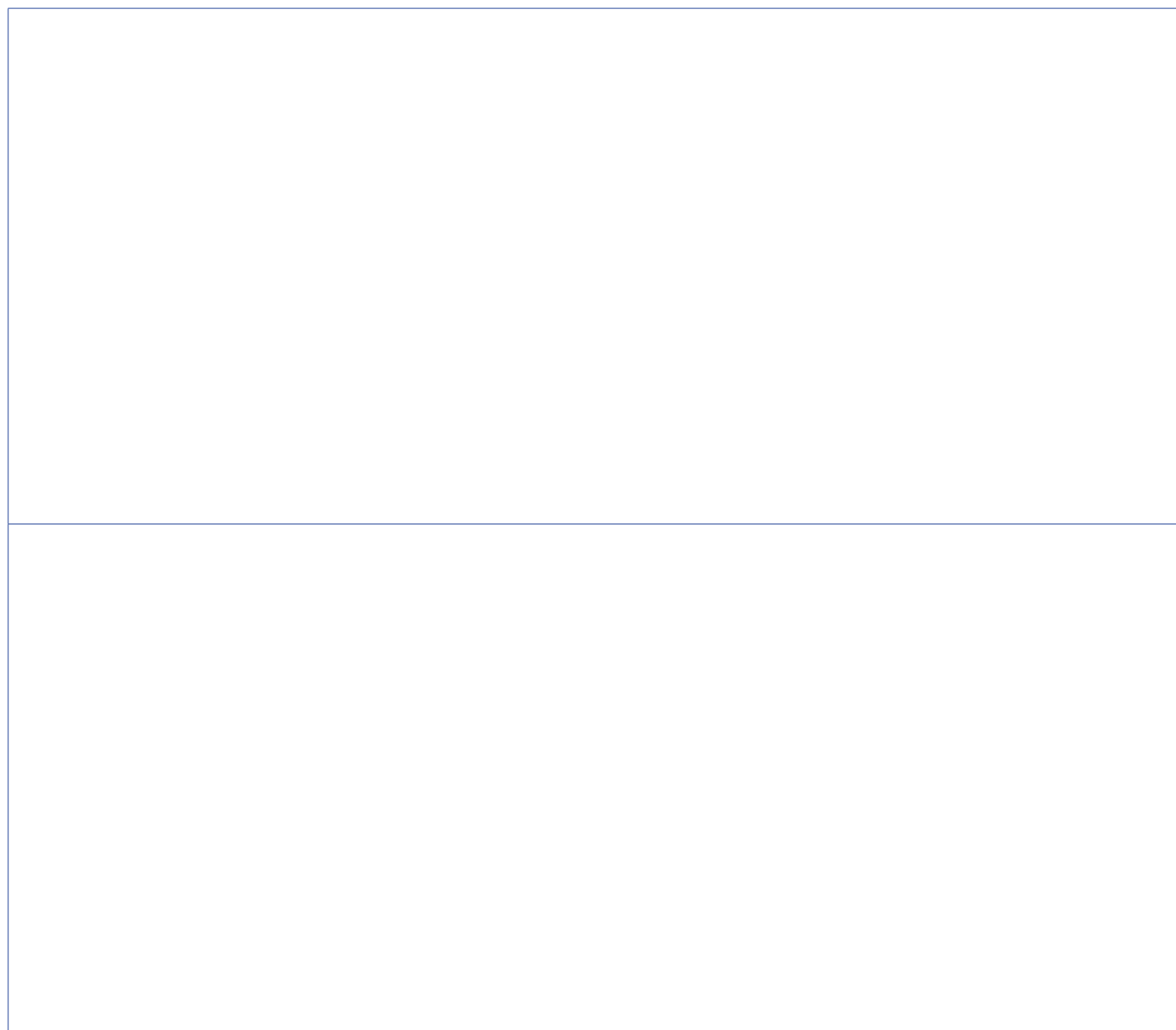
Discuss the implications of ONE of the negative impacts you have identified above.

Identified negative impact of location of Barrangaroo	
Positive	Negative

FIELDWORK: YEAR 12 URBAN PLACES

g. Explain how has the coastal location influenced the urban renewal development of Barangaroo?

h. Draw a field sketch that highlights the locational features of the key urban renewal features of Barangaroo.
Take a photographs of the site for future reference.



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CONNECTIVITY

1. Outline the main modes of access to Barangaroo.

2. Explain the impacts of the Ferry Wharf and Wynyard Station to the flows of people through Barangaroo.

3. Predict how the George Street light rail will influence the connectivity of Barangaroo when it is completed.

4. Explain how connectivity gives Barangaroo a culture of place.

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LIVEABILITY

1. Using the following Liveability Index, describe how the urban renewal of the original site has influenced the liveability of Barangaroo. <https://www.domain.com.au/news/domain-liveable-sydney-citys-555-suburbs-ranked/>

2. Describe the residential apartments within Barangaroo.

- a. What is the target market for these apartments; why do you think the urban planners designed it this way?

- b. How has the urban design of the suburb of Barangaroo made this suburb liveable? [Refer to commercial services, access to restaurants, entertainment, health and well-being, access to the rest of Sydney, public transport]

SUSTAINABILITY OF BARANGAROO

1. Complete the following table.

THREE features that make Barangaroo Sustainable	THREE features that make Barangaroo Unsustainable

2. Barangaroo has received recognition for Ecological Sustainability.
Do you agree or disagree? Justify your answer.

3. Explain why sustainability is such a key feature of the urban renewal project.

FIELDWORK: YEAR 12 URBAN PLACES

FIELDWORK IN HSC RESPONSES

Plan how you will reference the fieldwork in your extended responses

Apply your knowledge and understanding

Answer the following past HSC questions taken from the NESA website:

(2007) Critically analyse ONE urban dynamic of change operating in a country town or suburb

(2010) Analyse ONE of the urban dynamics of change operating in a country town or a suburb



Nawi Cove, Barrangaroo. Source: Wikimedia Commons