

TINTERN GRAMMAR

EXCELLENCE & CONFIDENCE, SIDE BY SIDE.

Unit 3 Geography: Fieldwork Booklet

Martha Cove 22rd February 2024

Name: _____



Source: <https://hiddenharbourmarina.com.au/gallery/>

Example Research Question

"What is the land use change at Martha Cove "

Example Hypothesis

"The development of Martha Cove has contributed both positive and negative impacts to the environment, and the economic and social conditions of that place."

Introduction

The Tassels Creek/Martha Cove region has, and still is, undergoing significant change in recent years. How we manage the impacts of rapid rural urban change will very much influence the quality of life, liveability and sustainability in the future.

Students are required to write a detailed report (1500-2000 words) that investigates some of these important issues using field data and research from other statistical sources. Correct use of mapping techniques, Geographical concepts and integration of data {photographs, statistics, observations, research} throughout the report. See Report structure guidelines handed on in class.

Focus of the Report

1. The geographic characteristics of this *location* and links to the surrounding *region*.
2. Factors causing significant *change* over time at Martha Cove(SHEEPT)
3. An in depth local area study of Martha Cove and the surrounding *region*.
4. Reasons for *change* and impact on the various stakeholders. (Positive and negative)
5. *Processes* involved in this change
6. Primary and secondary data to show evidence to support your findings.
7. Related issues or conflicts
8. Analysis, conclusion and Evaluation

Assessment Criteria

1. Description of the geographic characteristics of this *region*.
2. Similarities and differences within this *region*.
3. Outline of the factors that have influenced the growth and *changes* over time within the region of Martha Cove.
4. A discussion of the unique character of this region. (EG: Reference to positive / negative outcomes should be mentioned in this discussion of liveability/sustainability.)
5. Effective use of geographic skills, geographic concepts and integration of data.
6. A detailed and well-structured report supported by effective research and analysis.

Martha Cove Fieldwork Schedule

- 8:45 am depart Tintern Grammar
- 10.00 am morning tea – “*Provincia*” Safety Beach
- 10:30 am – 12:00pm data collection Martha Cove
- 12:00 – 12:15 travel to Dromana
- 12:15 – 1pm lunch Domana shopping strip
- 1-2pm data collection Dromana tourist/shopping precinct
- 2 – 3:15 pm return to Tintern Grammar

Pre-Trip Tasks and questions – in class time

- Overlay map of location showing land use change comparison from 2004 - 2017
- Description of location and region – map and absolute location
- Who are the stakeholders?
- What is the historical land use of the region?
- What is the land use change taking place?
- Project background including rezoning
- Why do you think it was rezoned?
- What is the Current Strategic Framework Plan (plan for the area)
- Future age demographics
- Recast process (Review of the planning for the area currently undertaken by the State Government)?
- Density or building height regulations?
- What is the Council's vision for the area (images and 3D perspectives)?
- Select your extra data tools from the portal files.

Data Collection

PART A: Martha Cove

Draw a precis map outlining the various characteristics of the marina and surrounding area.

A large, empty rectangular box with a thin black border, intended for drawing a precis map of the marina and surrounding area.

Make a list of the land uses and changing land uses you observe as we walk around the marina.

Location	Land Use	Evidence of change	Comments

1. From your observations, what do you believe are the most positive aspects of this area?

2. Are there any negative aspects or potential conflicts of land use in this area?

3. How have the natural features or topography influenced or are likely to influence the development in this precinct?

4. How is this area interconnected with other parts of the region?

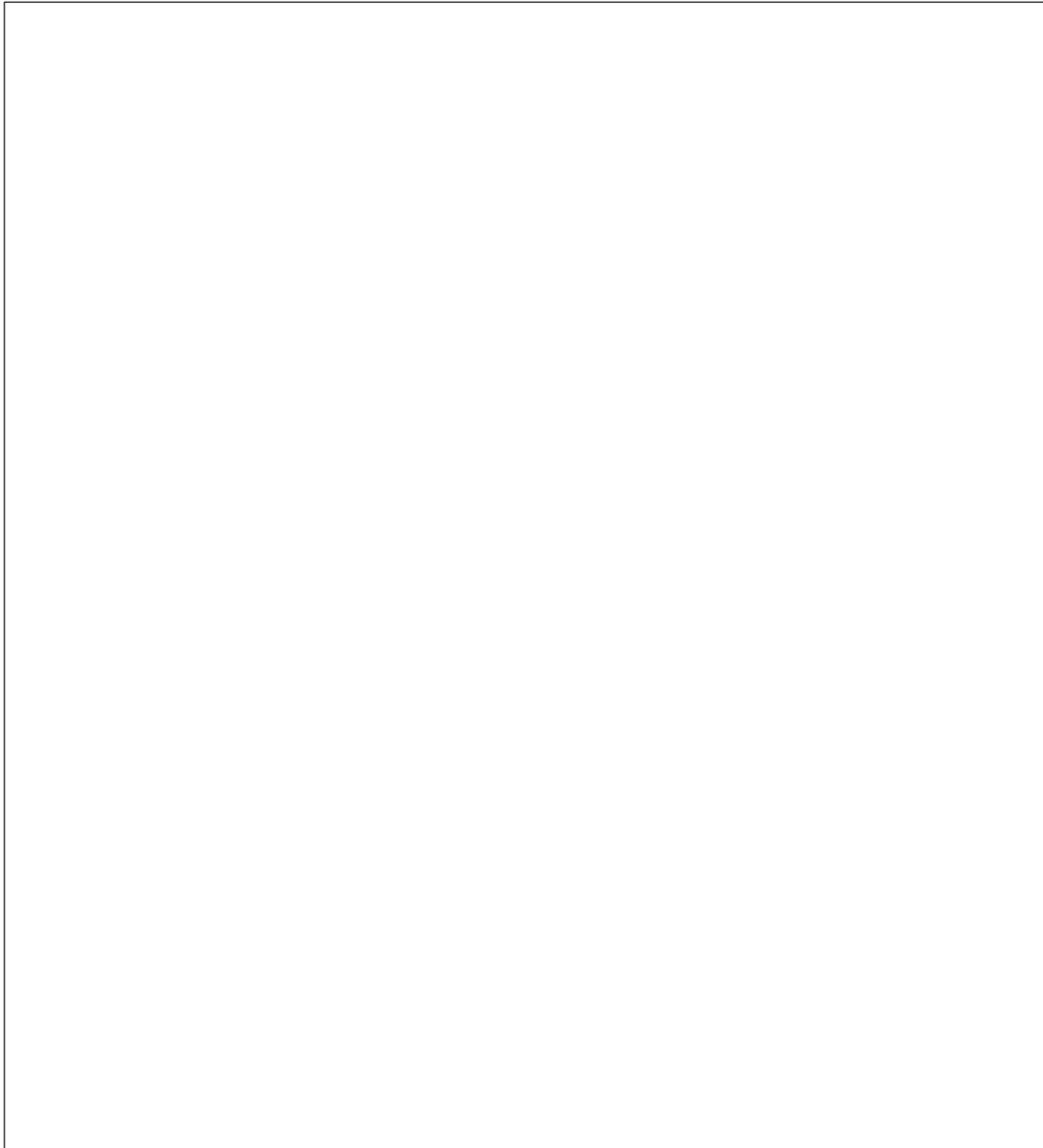
Water Health Testing

Location	pH	Temp	Turbidity

PART B: Dromana

This is an established tourist area that has undergone change in the past. There are some heritage buildings and land prices are climbing.

Draw a precis map outlining the various characteristics of the Dromana shopping strip and tourist precinct.



As we walk along Point Nepean Rd, note the type of land use (apartment/ commercial/ restaurant/ coffee shop etc). Try and record the street numbers and names of any significant buildings on either side of the road.

You do not have to record every building, however, you need to have a representation of the variety of building use present at Dromana.

Street Number	Type of Activity	Comments

1. From your observations, what do you believe are the most positive aspects of this area?

2. Were there any negative aspects or potential conflicts of land use in this area?

3. How have the natural features or topography influenced or are likely to influence the development in this area?

4. How is this area interconnected with other parts of the region? Observe the different types of transport.

Throughout the day.



Take photos to support your notes. Can you illustrate the changes taking place? These can be annotated as primary data.

Take photos of any wildlife you see.



1. Count vehicle traffic at both sites for a 15-minute period.
2. Count the moorings at Martha Cove
3. Count wildlife
4. Count buildings – we can compare the current population estimate with projected population.

It is very important that you collect accurate and relevant data to show evidence of your findings.

Martha Cove Boat and Berth count:

Number of Boats:

Number of Berths:

Formula to work out peak population:

Back at school.

Over the coming weeks you will investigate some of the planning processes and make a judgement concerning the effectiveness of these policies. In particular, are we adding value to the region and creating a more sustainable and vibrant community or is it developing too quickly and producing a potential imbalance of infrastructure in the future, through unsustainable development.

Post-fieldwork trip tasks:

1. Annotate your photographs (might want to print your images and annotate by hand).
2. Ensure that you have an annotated Map of the area relating to you Fieldwork and that it has all the required BOLTSS. It is important to have a go at using a GIS/ software to create your map as well as being able to draw it. What are the geographical limits to the site?

<http://mapmaker.nationalgeographic.org/>

<https://www.google.com/maps/about/mymaps/>

3. Research and use secondary sources to help you explicitly address all aspects of the research question. This including any relevant graphs or info-graphs.
4. Begin to write your report

Acknowledgements

G Dalton

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Notes: