

## Map Detectives! Mapping Land Uses

### Student Introduction

- ▶ Let's investigate different types of land use along Southampton Water!
- ▶ First you will practise identifying land use from maps and in your local area.
- ▶ Then you can put your skills to the test on board the Isle of Wight ferry!



### Pre-Visit: AT SCHOOL

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You will be travelling to the Isle of Wight on a Red Funnel ferry. You will board the ferry at Town Quay, Southampton and the ferry will take you down Southampton Water, across the Solent (the area of water between the mainland and the Isle of Wight) and you will arrive at East Cowes on the island.

Southampton is a city in Hampshire, on the south coast of England. There has been a settlement here since the Stone Age. Its geographical location on Southampton Water, and its proximity to the ancient Wessex capital, Winchester, and the modern day English capital, London, made it into an important and thriving urban area.



Today, the port of Southampton is an international hub operating 24 hours a day, 365 days a year.

It is the UK's premier international maritime gateway, and everything from sailing yachts to oil tankers, ferries, cargo ships and cruise liners make their way up and down Southampton Water each day.

During this activity you will be finding out about the variety of different land use found around Southampton Water.



## Pre-Visit: AT SCHOOL

Read the text and complete the exercise below.

### What is Land Use?

Land use is, well, pretty much what it says ... what the **land** is **used** for!

Work with a partner to think of as many different types of land use as you can. Write them below:

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e.g. Residential  
Houses

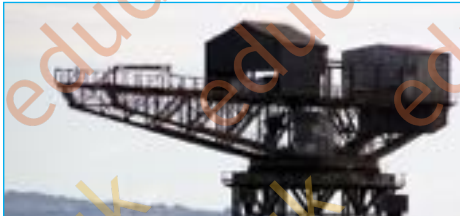
### TYPES OF LAND USE

## Land Use Categories

1 0 7 2 1 1

Here are some formal land use categories. Can you put the pictures below into the correct category? Write the category numbers into the boxes. You will see most of these on your ferry crossing.

1. Utilities & Infrastructure (e.g. energy production, water storage & treatment, post & telecommunications)
2. Community services (e.g. medical, education, places of worship)
3. Forestry
4. Retail
5. Minerals (quarries etc.)
6. Industry & Business
7. Recreation & Leisure
8. Previously developed land
9. Transport (including car parks)
10. Defence
11. Residential
12. Unused land
13. Agriculture & Fisheries

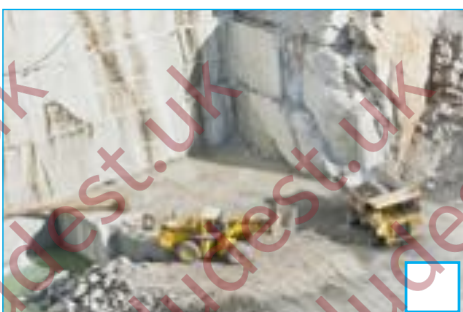
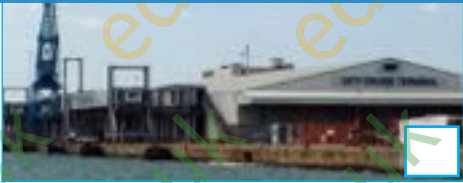


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## Locating land use on maps

Look at the following map extracts (all are taken from around the Southampton area).  
Add labels around each map to identify the different types of land use you can see.

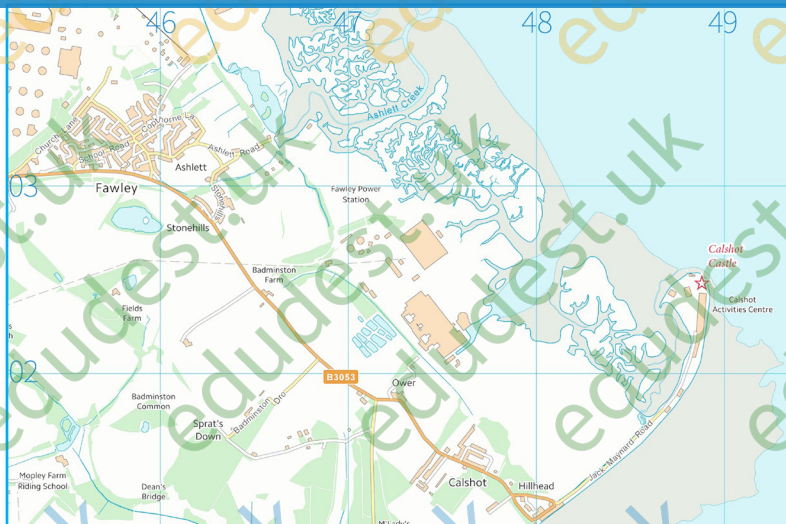


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## ON BOARD THE FERRY

Section 4 is for you to undertake whilst on board the ferry.

Read the following instructions carefully.

You have learnt what the term “land use” means, and you have practised identifying different types of land use, both by looking at a range of images, and also by looking at maps.

You are now going to put your **observational skills** and **map interpretation** skills to the test!

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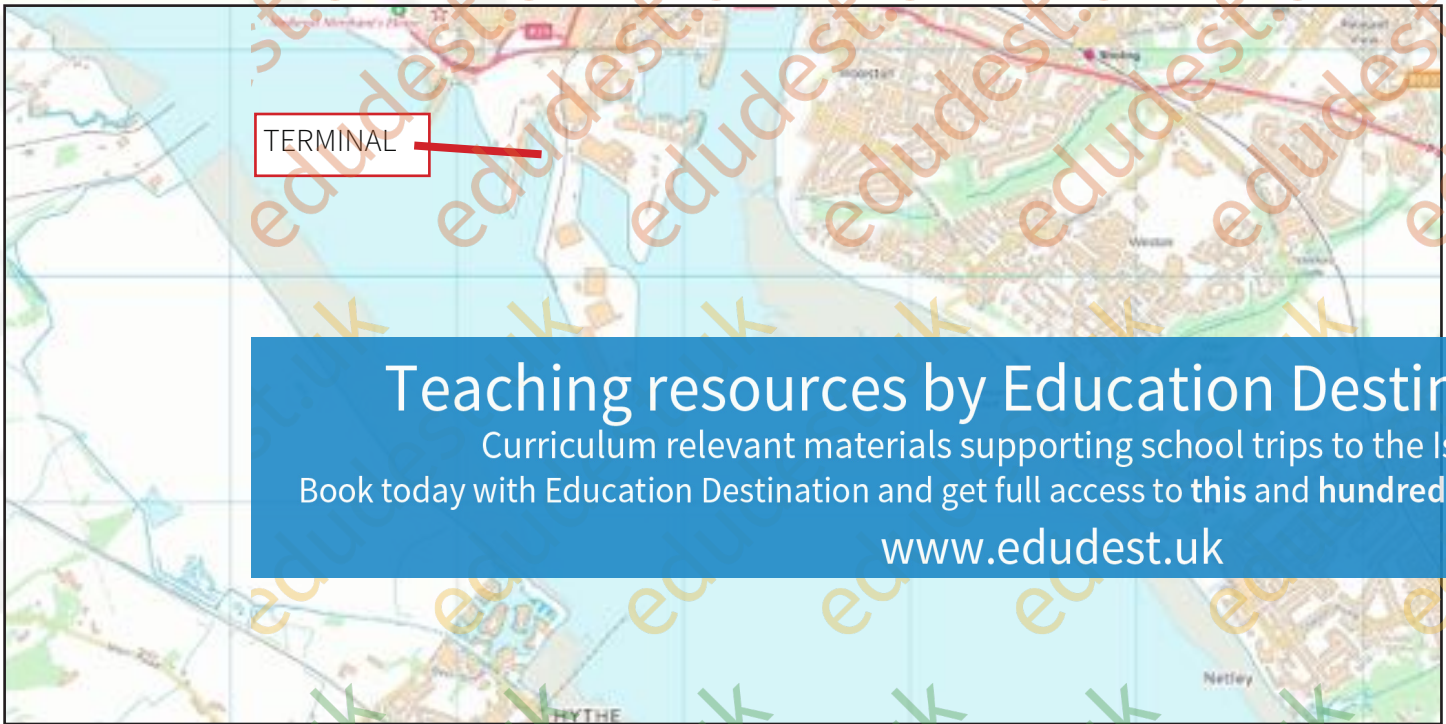
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1. Sketch the outline of Southampton Water, as it shown on your map extract
2. Look at the map and identify key types of land use. Use this information to design a key - this can be letters, symbols or colours (or a combination!) which represents the different types of land use
3. Fill in the key first (unless you are in one of the first two groups)
4. Use the key to carefully mark on your sketch map the different types of land use that you can see on your map extract. Try to make sure things are marked in the right location!
5. Observe what you can see from the ferry, and mark onto your sketch any different types of land use that you can identify. Be as accurate with your sketch as possible - try to mark things in the right location!
6. Take photos of key features which show different types of land use - you will need this back at school!





TERMINAL

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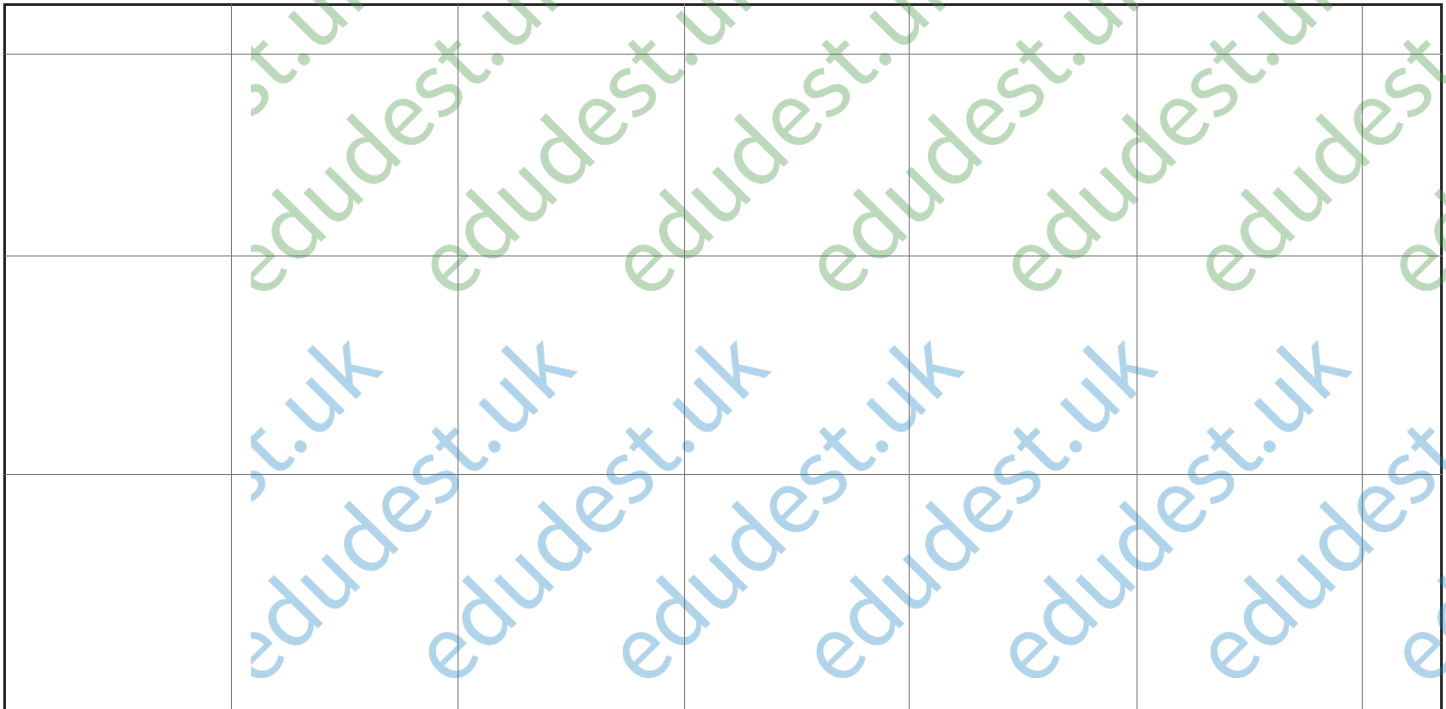
**GROUP 1**

107211

- ▶ Your group are starting FIRST!
- ▶ Look at land use around the ferry terminal and surrounding area as the ferry departs.
- ▶ Draw the outline of the coast in the box below left.

Make your observations of land use first, before adding these to your map - otherwise you might miss them!

- ▶ Remember to take photos of key features. Each time you take a photo, mark the location on your sketch map so that you can put it in the right place later!



KEY:







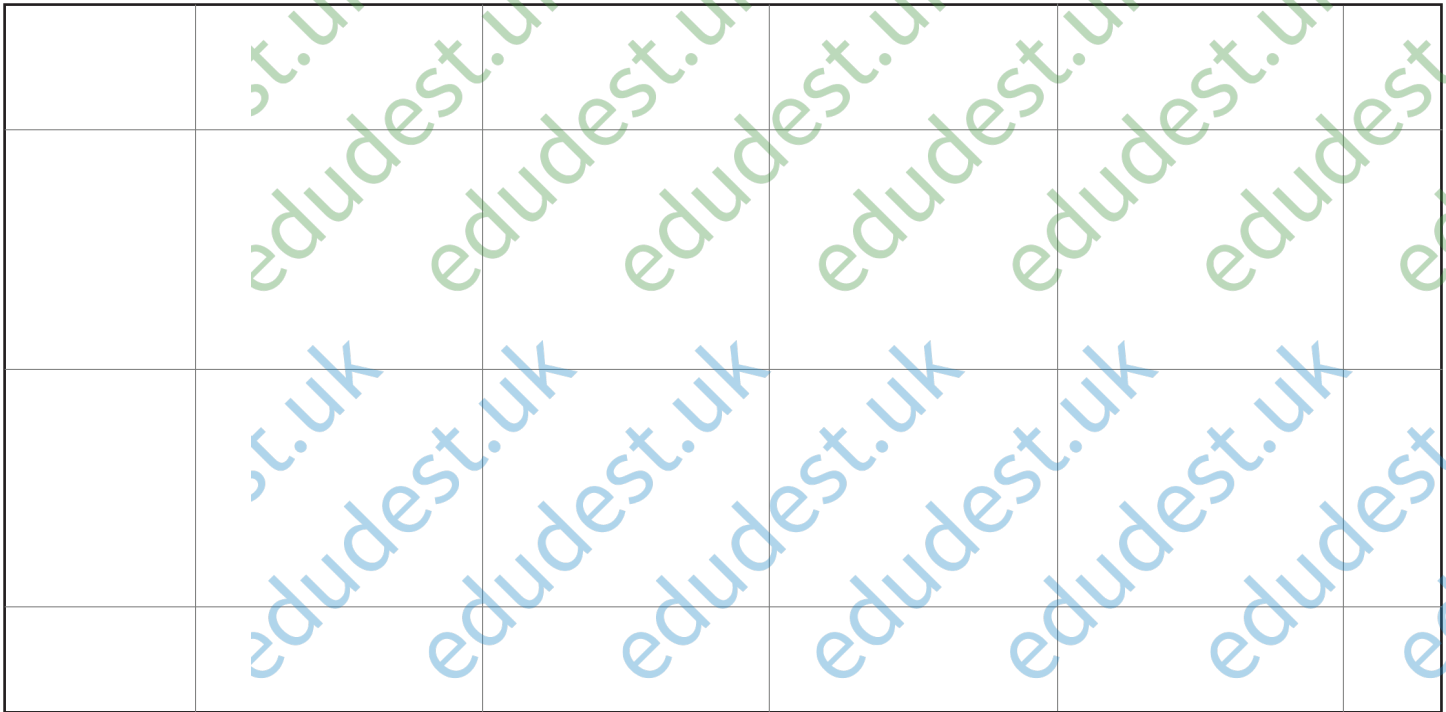


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### GROUP 4

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- ▶ Look at land use around Fawley, which is on the right hand side around 15-20 minutes after the ferry leaves Southampton (or the left on the way home!)
- ▶ Draw the outline of the coast in the box below left.
- ▶ Remember to take photos of key features. Each time you take a photo, mark the location on your sketch map so that you can put it in the right place later!



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### GROUP 5

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- ▶ Look at land use around Hamble, which is on the left hand side around 20 minutes after the ferry leaves Southampton (or the right on the way home!)
- ▶ Draw the outline of the coast in the box below left.

- ▶ Remember to take photos of key features. Each time you take a photo, mark the location on your sketch map so that you can put it in the right place later!



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### GROUP 6

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- ▶ Look at land use around Calshot, which is on the right hand side around 30 minutes after the ferry leaves Southampton (or the left on the way home!)
- ▶ Draw the outline of the coast in the box below left.

- ▶ Remember to take photos of key features. Each time you take a photo, mark the location on your sketch map so that you can put it in the right place later!



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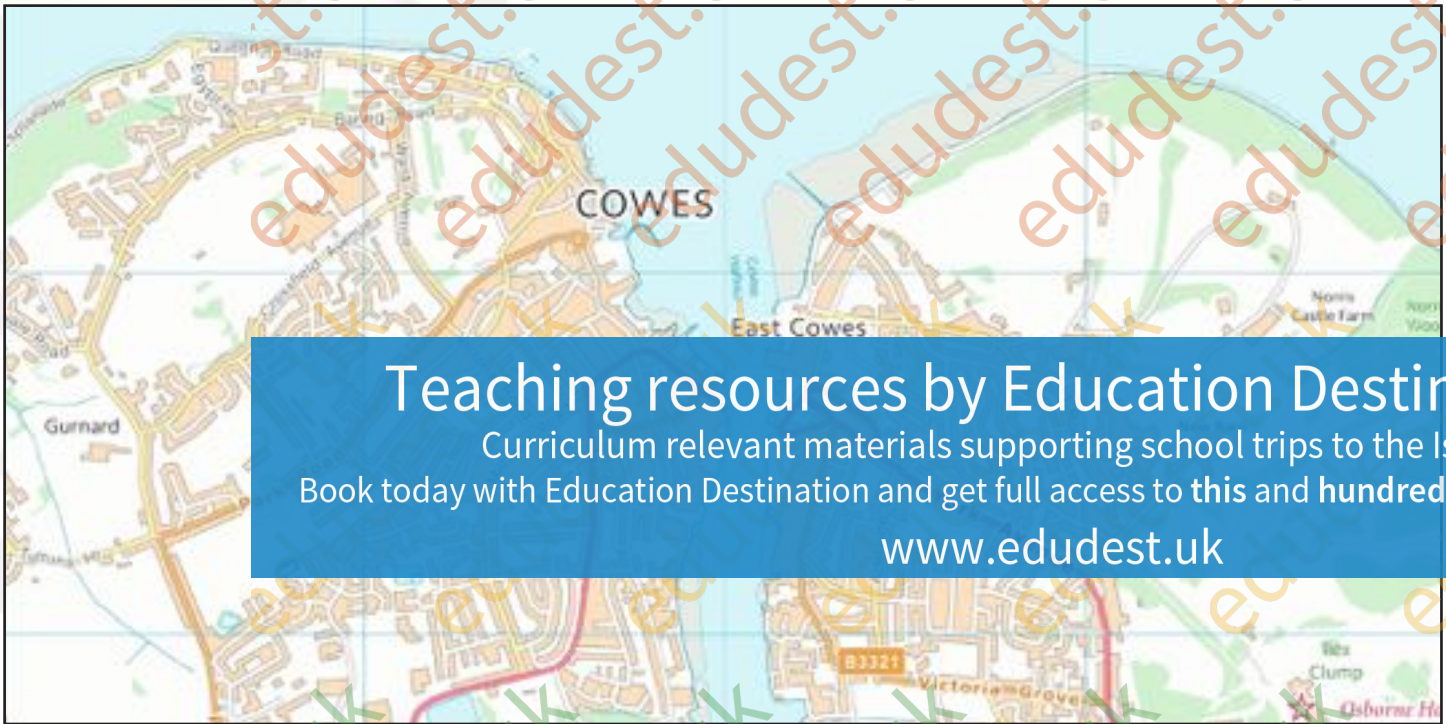
### GROUP 7

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- ▶ Look at land use around Stubbington, which is on the left hand side around 30 minutes after the ferry leaves Southampton (or the right on the way home!)
- ▶ Draw the outline of the coast in the box below left.
- ▶ Remember to take photos of key features. Each time you take a photo, mark the location on your sketch map so that you can put it in the right place later!



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**KEY:**

**GROUP 8**

107211

- ▶ Look at land use around Cowes, which is the ferry terminal on the Isle of Wight. Look on BOTH sides of the ferry - it might help to position yourself at the front or back of the ship.
- ▶ Draw the outline of the coast in the box below left.
- ▶ Record your observations of land use, both what you can see from the ferry as well as what you can see on the map.
- ▶ Remember to take photos of key features. Each time you take a photo, mark the location on your sketch map so that you can put it in the right place later!



## Post-visit: BACK AT SCHOOL!

Well done for completing the fieldwork!

This next activity is for when you are back at school.

Each group should now have a sketch map which shows the different types of land use for their 'part' of the journey along Southampton Water and over to Cowes on the Isle of Wight.

You will now be adding your photos to your sketch maps, and putting all of your sketch maps together to create a whole land use map for your journey!

Your teacher will guide you through this activity to produce a class display.

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