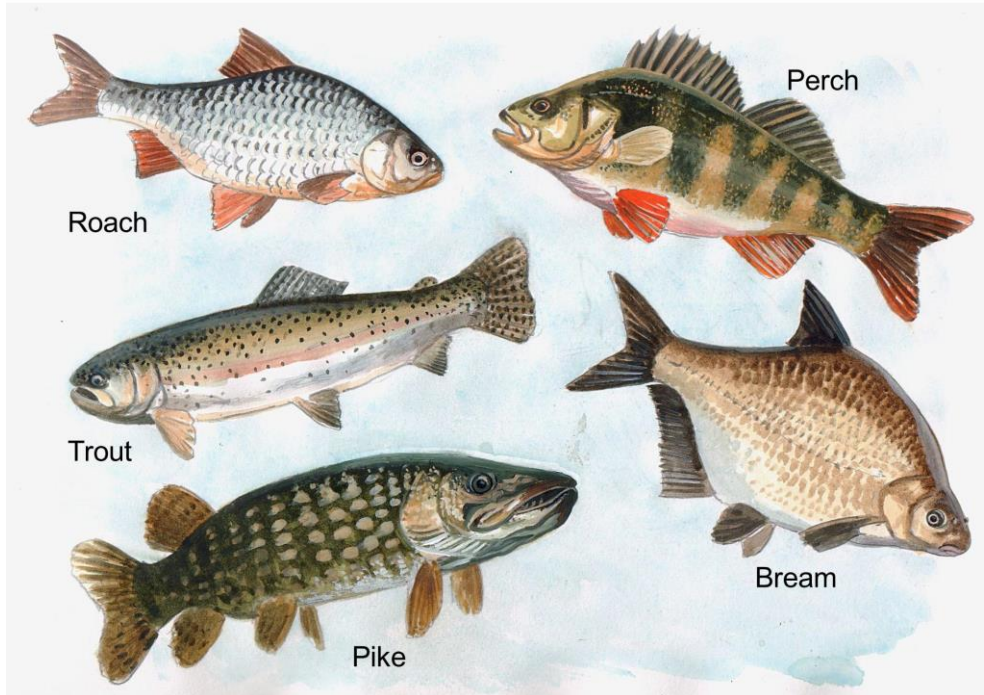


## Fishy numbers

The Osprey volunteers watch the nest at Manton Bay. They watch and record what the ospreys are doing. When an osprey returns to the nest with a fish, they write down the **time** when it arrives. They also record what **sort of fish** is brought back, with the help of the picture chart below. This is not easy as sometimes the ospreys snack on the fish before bringing it back to the nest!



### [Nest watch - you too can monitor the Rutland Ospreys](#)

If you would like to monitor the Rutland Ospreys, you can do the following study at home or school.

1. Open the Rutland Ospreys Home page <https://www.lrw.org.uk/wildlife/rutland-ospreys>
2. Find the live web camera. Click to open the live camera.

Note; You can have the Rutland Ospreys live nest camera running while doing other work on a computer.

#### **Monitor the webcam for a set time**

Record when the following happens during your monitoring time.....

- Adult 33 (blue ring) is on the nest
- Adult Maya (unringed) is on the nest
- When a fish is brought in
- Which Osprey brings a fish to the nest
- What sort of fish is brought in (use the chart above to work out which fish it could be)

#### **Results;**

Make a neat results table of your monitoring results.

Change your results into a chart or graph to make them easier to understand

Describe what your results show.

#### **Improving your study**

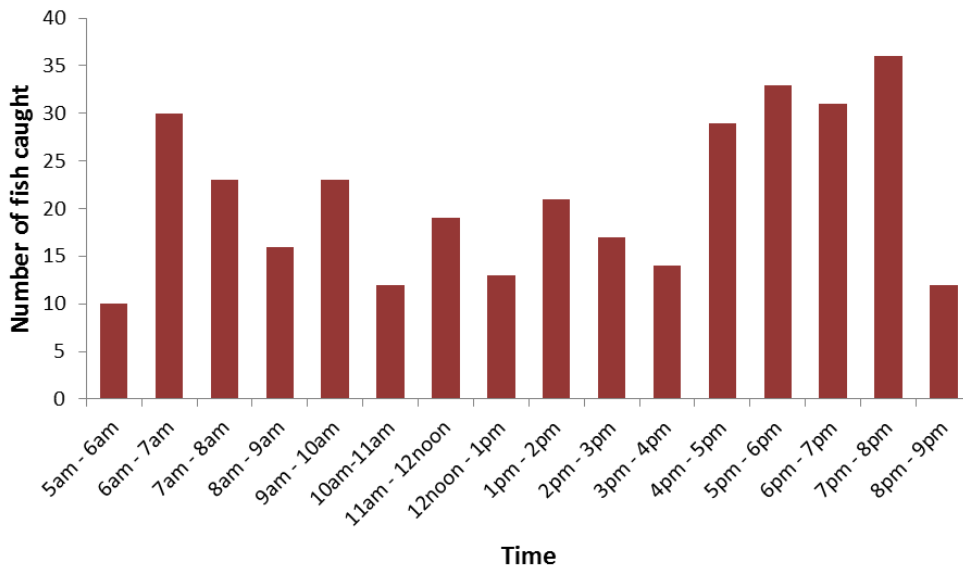
Explain any problems with your nest monitoring study.

Describe two ways you could make your monitoring study better.

## What do the Manton Bay results show?

Here is a graph showing what time of day the ospreys bring a fish back to the nest.

**Graph showing the times ospreys bring fish to the nest**



**Look at the graph above, then answer these questions...**

1. Which hour gave the **greatest** number of fish caught? How **many** fish were caught?
2. Which hour gave the **smallest** number of fish caught? How **many** fish were caught?
3. Look at the pattern of bars. Which **time of day** has the biggest number of fish caught?
4. Give **two reasons** why no fish were recorded before 5 am and after 9pm?
5. (a) In this study, how many fish were caught all together. (Hint; add up the bars)  
(b) When did **recording start**? When did **recording finish**? How many **hours of recording**?  
(c) Using your answers in (a) and (b) work out the average **number of fish** caught each hour of the day.
6. If you wanted to see ospreys catching a fish at Rutland Water what would be the best times of day?

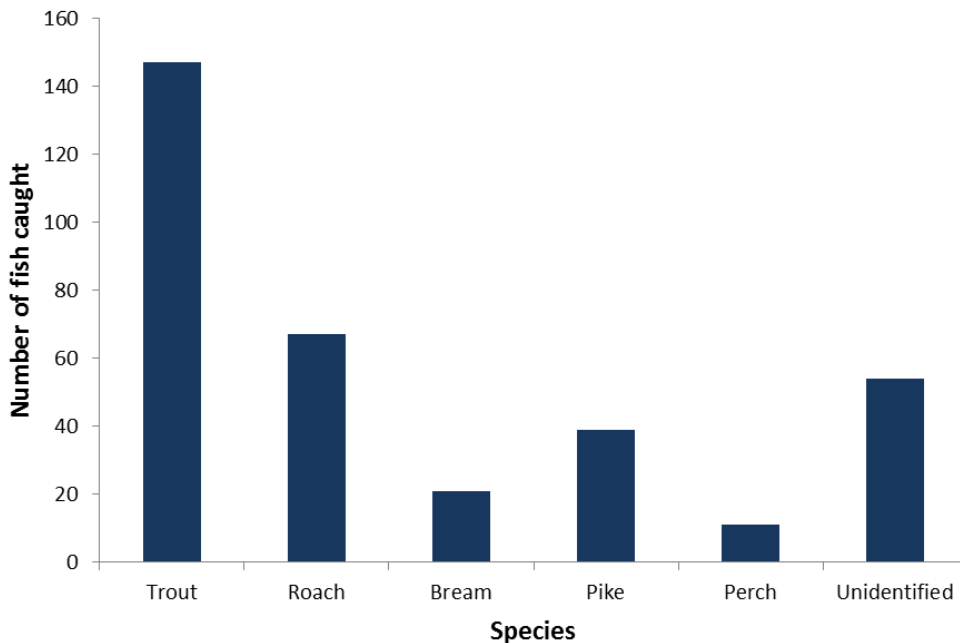


## Which fish do Ospreys catch?

Ospreys catch many different 'species' of fish.

Here are the results from monitoring the Ospreys at Rutland Water, shown as a graph.

**Graph showing the species of fish caught by Ospreys at Rutland Water**



Look at the graph, and then do the following...

1. Draw or get a copy of this table

Fish	Number of fish caught
Trout	
Roach	
Bream	
Pike	
Perch	
Unidentified	
<b>Total</b>	



2. Complete the table using the graph.

3. (a) Which fish was caught the most? How many fish?

(b) Which fish was caught the least? How many fish?

**Challenging questions;** Using the results in your table...

4. Work out the % of 'Unidentified' fish of the total (Show how you worked this out)

5. Work out the % of Trout caught of the total (Show how you worked this out)

6. Display the results as a Pie chart.