

## TUNNELWORKS

### KS3 SCIENCE LESSON 4 WORKSHEET

## SURVEY PLANNING

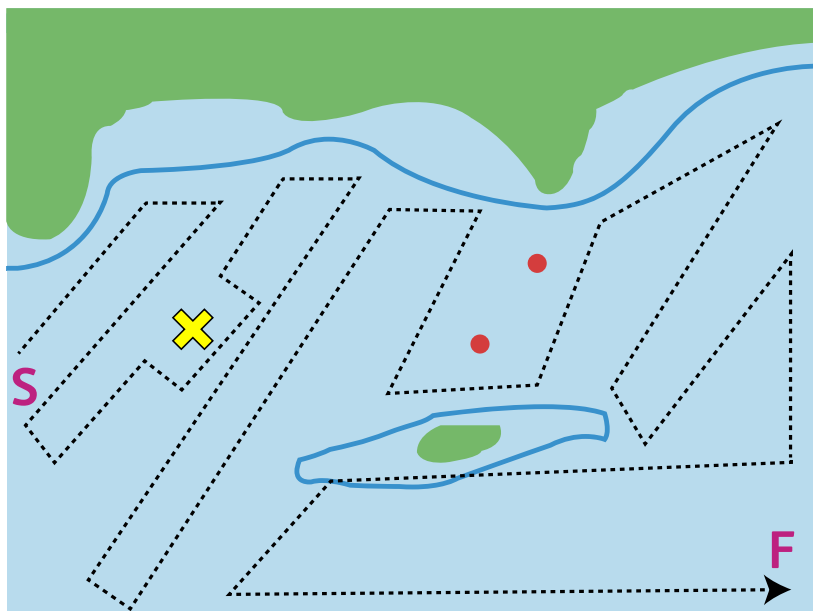
Harbour porpoises live along coasts and estuaries in the northern hemisphere, including around the UK and in the Thames Estuary. The research team want to find out how many harbour porpoises may live in the Thames Estuary. They want to detect harbour porpoises by detecting the clicks they make underwater.

Your task is to help the team plan a survey to sample the harbour porpoise population in one area.

- You need at least 10 m of water depth.
- Stay 200 m clear of obstacles or hazards.
- You can detect harbour porpoises up to 300 m from the hydrophone.

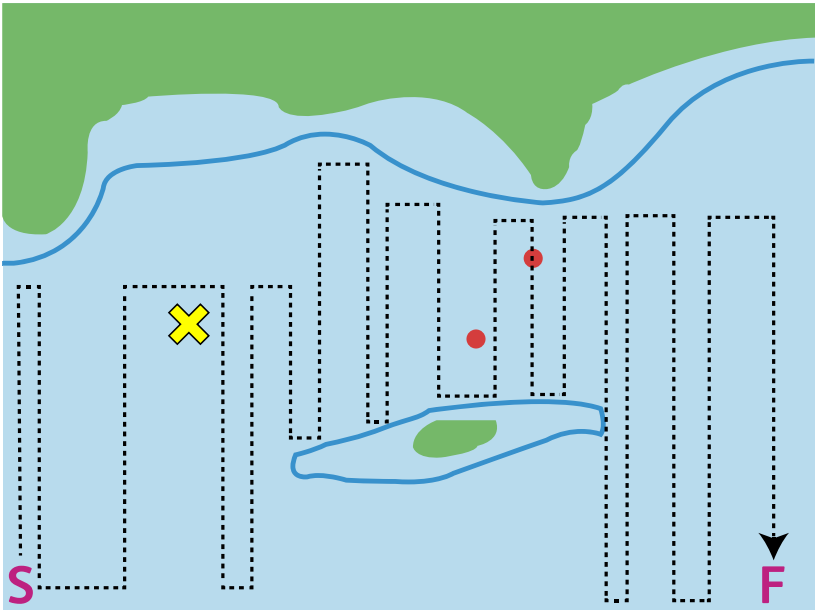
#### Task 1: Choose the best survey plan

Discuss each plan below. Each one shows the journey the survey boat will make. Identify the pros and cons of each plan and decide which plan is best.



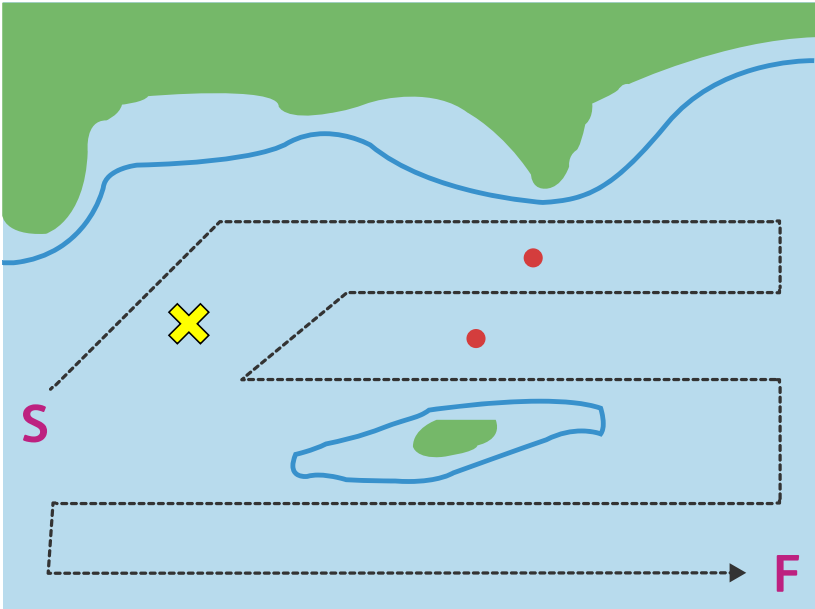
Pros	Cons

Plan B



Pros	Cons

Plan C



Pros	Cons

## Blank survey chart

Use this blank chart to plan your own survey.

