

TOPIC 8

Geographical inquiry: Developing an environmental management plan

8.1 Overview

Numerous **videos** and **interactivities** are embedded just where you need them, at the point of learning, in your learnON title at www.jacplus.com.au. They will help you to learn the content and concepts covered in this topic.

8.1.1 Scenario and your task

There are many environmental changes that have an impact on different environments. Organisations or their specialist consultants often prepare environmental management plans (EMPs). EMPs recommend the steps to be undertaken to solve identified problems in managing the environment. They are also useful for predicting and minimising the effects of potential future changes. These strategies are designed to either remove or control the problem(s).



Your task

Each class team will research and prepare an EMP that deals with a specific environmental threat and then present it to the class. Decide on an environment and the threat it faces and then devise three key inquiry questions you would like to answer.

8.2 Process

8.2.1 Process

- Go to www.jacplus.com.au to access and watch the introductory video lesson for this geographical inquiry.
- **Planning:** In pairs or groups, decide on a particular environmental issue and devise a series of three key inquiry questions that will become a focus of your study and a means of dividing the workload. Download the EMP planning template in the Resources tab to help you think about and decide which environments your team will choose to research. The following steps will act as a guide for your report writing.

8.2.2 Collecting and recording data

- Find out about the issue and why an EMP is needed. Identify potential environmental threats or changes that may occur. Describe the issue, the scale of potential changes and their significance. Prepare a map, or series of maps, to show the location of the issue. This may be sourced from a street directory, atlas, Google maps or an online reference. Additional data can be researched and collected; for example, you may wish to survey people's opinions on the issue, use census data to determine the number of people affected in the region or find climatic data for the area. (Your teacher may guide you at this point.) Decide on the most suitable presentation method for your data; for example, graphs, maps and annotated photographs. You may wish to refer to relevant SkillBuilders to help you present your data.

8.2.3 Analysing your information and data

1. Review and discuss with your team members the information that you have collected. Has it come from reliable sources? What patterns, trends and interconnections can you identify from your data?
2. Come up with two or three possible options that will address the issue(s) you have collected information about. It would be beneficial to include diagrams and/or photographs of strategies currently operating in different places that could be used or adapted to your site.
3. Evaluate which option would be most effective based on the criteria:
 - economic viability (affordable)
 - social justice (fair to all people involved)
 - environmental benefit (minimal environmental impact and with future sustainability).
4. Make concluding recommendations based on your research and evaluation of options. This should be in the form of a suggested course of action to follow in managing the environment and reducing any negative changes.

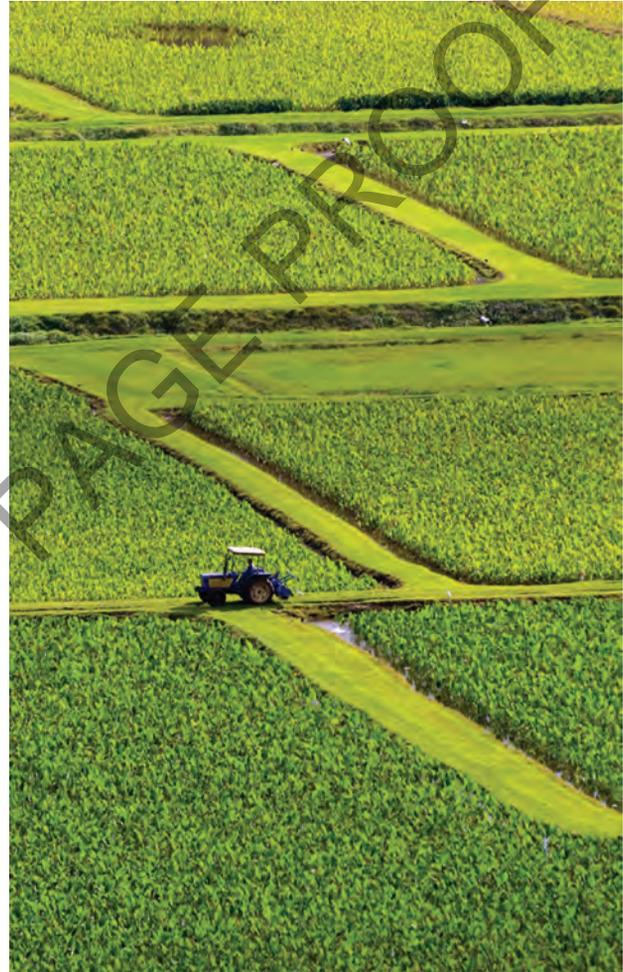
8.2.4 Communicating your findings

- Present your report to the class and be prepared to answer questions from the audience. Use the EMP template in the Resources tab to help you structure your report. Use graphics such as maps, graphs, images and charts in your EMP.

8.3 Review

8.3.1 Reflecting on your work

- Review your participation in the production of your EMP by completing the reflection document in the Resources tab.
- Submit your reflection document along with your completed EMP.



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