**Task 9: The Impact of Climate Change on a Western Australian Resource**

Choose an industry that operates in Western Australia and is based on a biotic resource.

This could include:

* wineries
* fisheries
* forestry
* horticulture
* grain production
* poultry and livestock production for meat, wool, dairy, eggs
* tourism
* other (please check with me)

You are to investigate this industry and present your findings as a case study report.

In your report, describe how the resource is managed, the impact on the region of the resource management (benefits and problems), and how the resource in this region is likely to be affected by climate change in the future.

**What you need to do:**

1. Choose your biotic resource and the area of WA in which it operates. Describe the industry and the region, including a map, in your report.
2. Describe the current (recent historical) climate of the region and how this relates to the industry.
3. Research how climate change could affect this resource and its management in this region in the future.
4. Record where you obtain your information for your reference list.

Marking key for Task 9

**The impact of climate change on a WA biotic resource**

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| --- | --- | --- | --- |
| **Case study report** | **Possible  mark** | | **Allocated mark** |
| **Introduction** | | | |
| * Describes the industry, includes a map | 1–4 |  | |
| * Briefly describes the region where the industry is centred | 1–2 |  | |
| **Total** | | **/6** | |
| **Effect of climate change** | | | |
| * Describes current/historical climate | 1–2 |  | |
| * Relates climate to production of the resource | 1–2 |  | |
| * Correctly relates the effects of climate change to the selected region | 3–4 |  | |
| * Lists one or two effects of climate change | 1–2 |  | |
| * Relates the environmental changes to the resource being studied | 1–2 |  | |
| * Discusses possible adjustments that are necessary for this resource access in the future | 3–4 |  | |
| * Lists a relevant adjustment | 1–2 |  | |
| **Total** | | **/14** | |
| **Conclusion** | | | |
| * Concisely summarises the findings of the case study | 2 |  | |
| * Briefly describes the findings of the case study, omitting some key points | 1 |  | |
| **Total** | | **/2** | |
| **References** | | | |
| * Lists a variety of resources * Uses correct format for references | 1–2  1 |  | |
| **Total** | | **/3** | |
| **Case study report total** | | **/25** | |