



# Disappearing Green Canopy

## Stage A Planning and Preparation

A1: Define Your Topic & Title

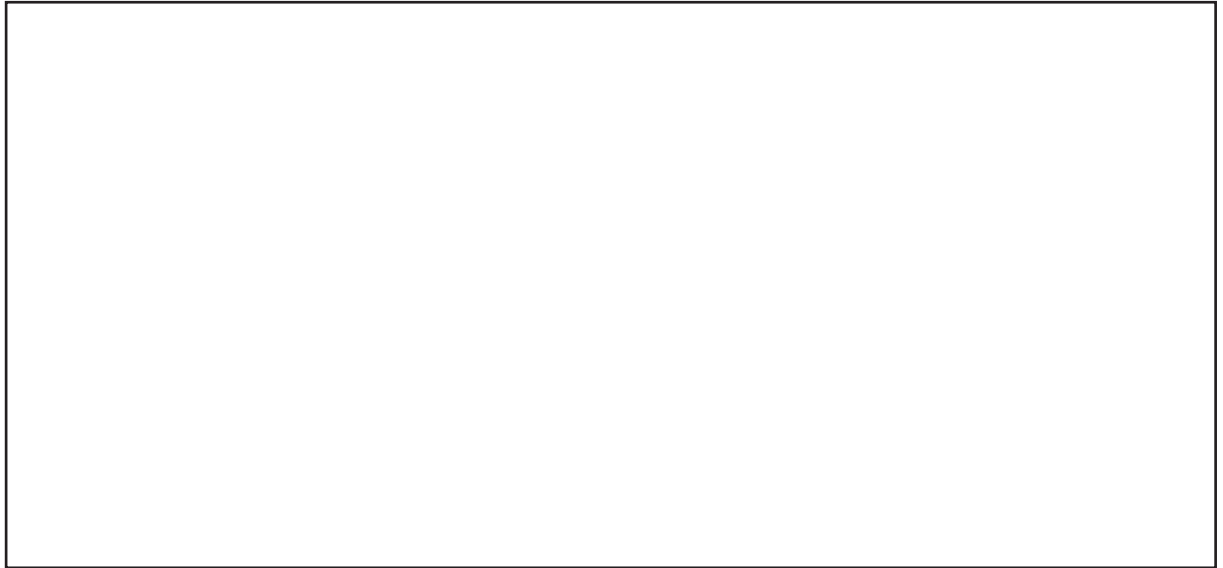
I. Field Site: Chuen Lung

II. Relevant Terms and Concepts:

1. Structure of ecosystem
2. Function of ecosystem
3. Fragile ecosystem
4. Ecological equilibrium
5. Deforestation
6. Location and distribution
7. Abiotic components
8. Biotic components
9. Energy flow
10. Nutrient cycling
11. Spatial association
12. Human interference
13. Scale of development
14. People-environment interrelationship
15. Environmental conservation
16. Environmental management
17. Conflict of interest
18. Sustainable development
19. Micro-climate
20. Biosphere
21. Lithosphere
22. Development and conservation

III. Interested Concepts:

IV. Concept Map of the study:



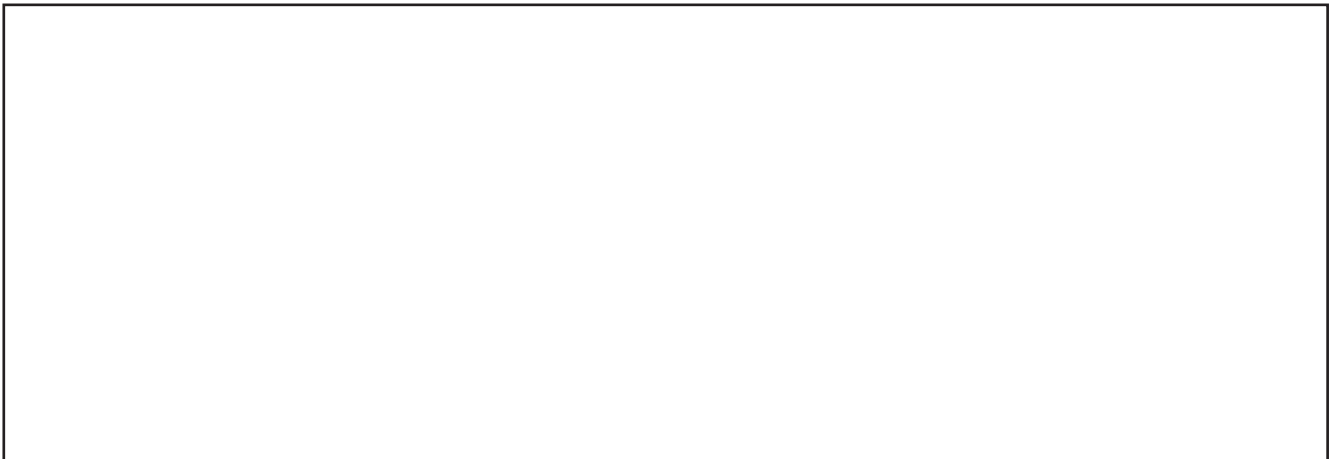
V. Possible Titles:

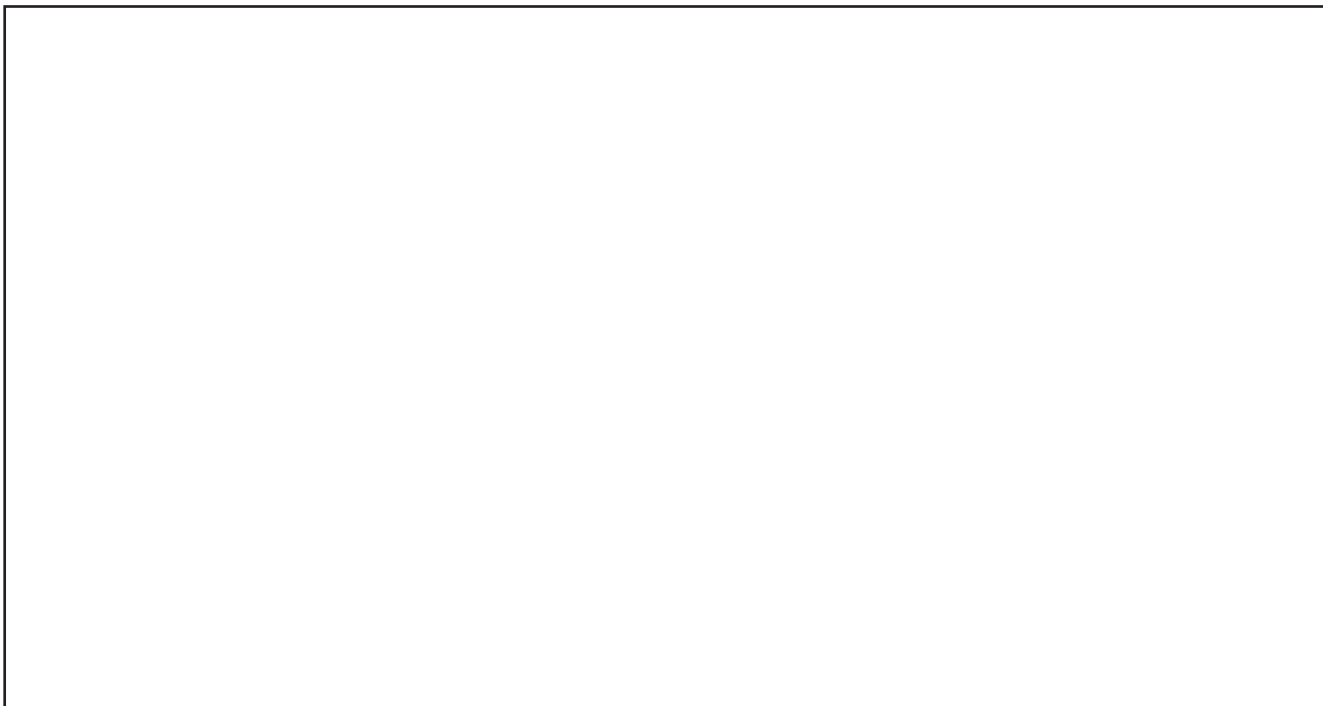
1. A study of the impact of \_\_\_\_\_ in the study area.
2. What factors influence variation of \_\_\_\_\_ patterns found in the study area.
3. A study of \_\_\_\_\_ variations within the study area compared to the surrounding open area.
4. How do barriers such as trees, shrubs and etc. at the study area influence \_\_\_\_\_, and what are the outcomes of this effect?
5. There is a direct relationship between \_\_\_\_\_ and \_\_\_\_\_ in the study area.
6. An investigation into the \_\_\_\_\_ and \_\_\_\_\_ of the study woodland, including the effects of human activity.
7. What factors influence the rates of \_\_\_\_\_ in the study area.

(a) **Topic: Disappearing Green Canopy**

(b) **Title:** \_\_\_\_\_

(c) **Explanation of the Study:**  
(Scope of the study / Objectives / Geographical Questions / Problems / Phenomena / Focusing Questions / Hypothesis)



**(d) Related geographical concepts and perspectives (with references):****A2: Devise Your Investigation Plan**

## VI. Possible Equipment

1. Abney level
2. Anemometer
3. Digital thermohygrometer
4. Light meter
5. Magnifying glass
6. pH paper
7. Trowel
8. Quadrat
9. Measuring tape
10. Field Study Handbook
11. Plastic bag
12. Plastic bottle

## VII. Possible Sampling Methods

1. Transect - choose a straight reach of certain distance as a transect for investigation.
2. Simple Sampling - collect data items at a certain distance interval. For example, measure the depth across the river at every 10cm interval.
3. Random Sampling - For example, collect random pebbles which fall beneath the toe of your wader each time you take a step for measurement.
4. Systematic Sampling - For example, measure the river flow speed at regular depth or width of the river.

**(e) Data Collection Plan:**  
**(Methods / Techniques / Tools / Resources, Preparatory procedures, schedule)**

1. Data Items:

2. Equipment List:

3. Sampling Method:

4. Frequency of Number of Collection:

5. Procedures:

**Stage B Data Collection**

**(f) Data Recording Sheet:**

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**Stage C Data Processing, Presentation and Analysis**

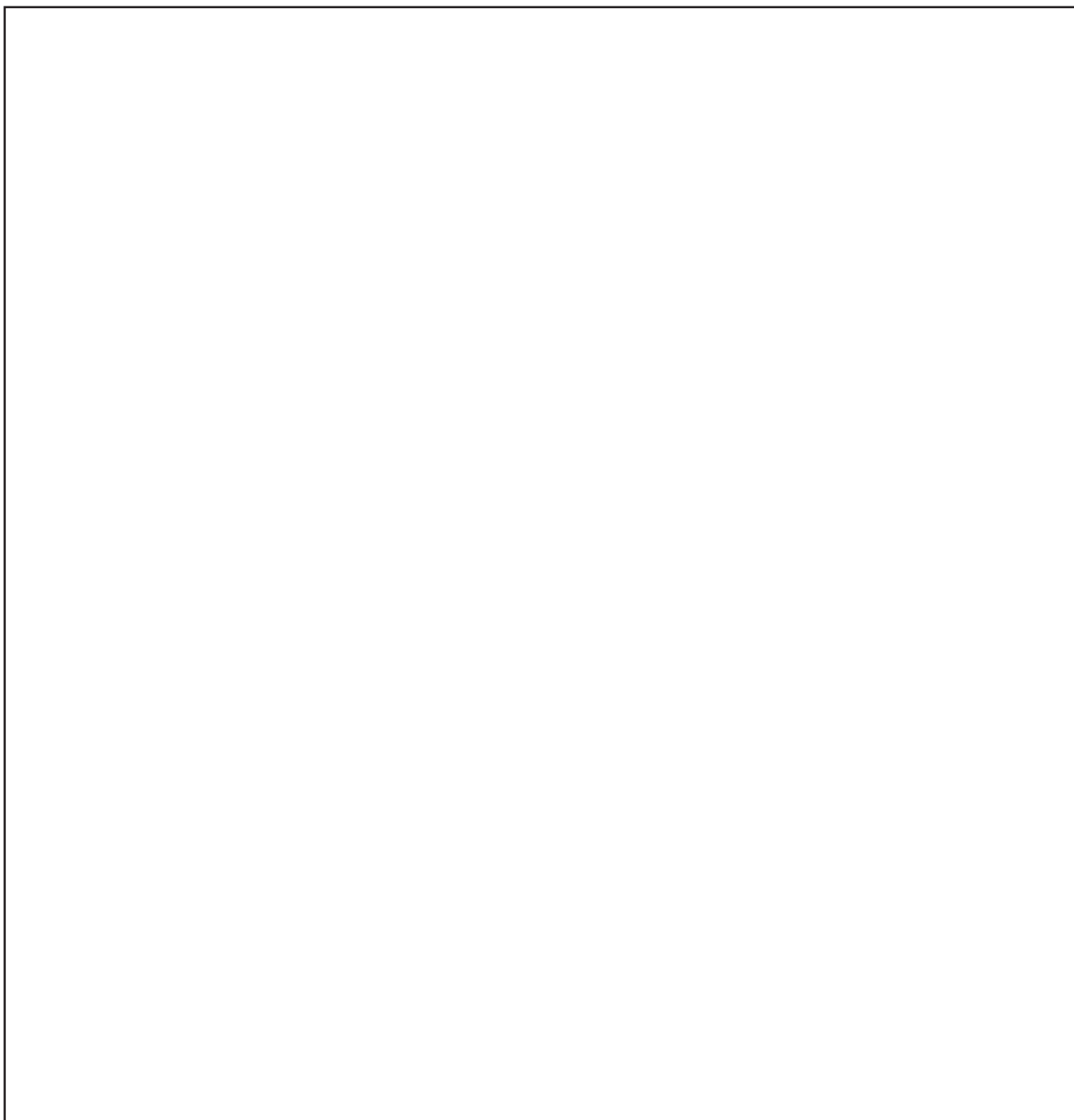
VIII. Possible Statistical Analysis

1. General Statistics - Mean, Mode and Median
2. Correlation - Scatter Diagram

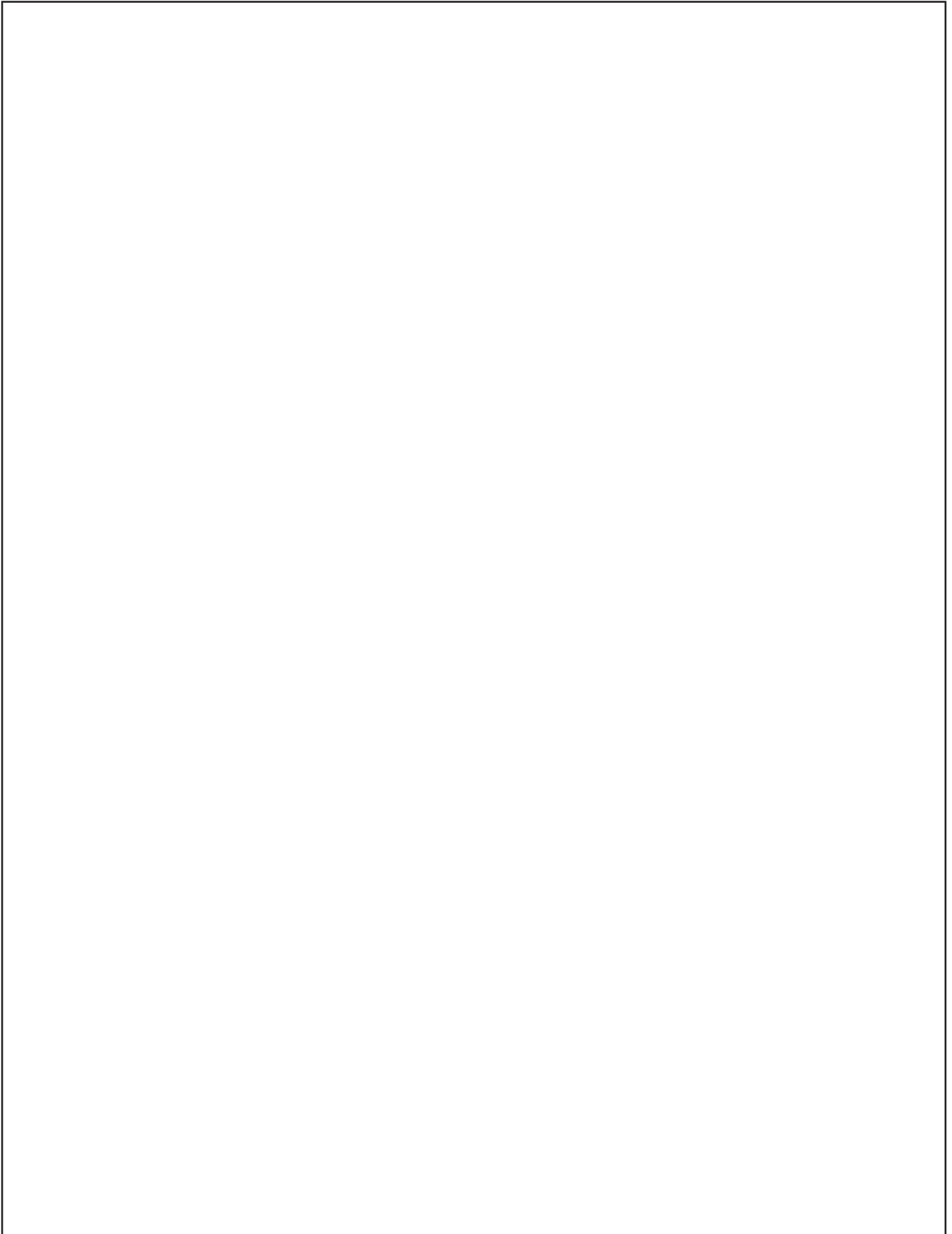
IX. Proposed Graphical or Map Presentation

1. Line Graph
2. Scatter Diagram
3. Bar Graph
4. Choropleth Map

**(g) Data Processing, Presentation and Analysis:**



**Stage D Interpretation and Conclusion:**

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**Stage E Evaluation**

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