

Rural Land Uses

Enquiry Skills Approach, Version 1.0

A. Planning and Preparation

Objectives

1. To examine the changing rural land uses and settlement in the study area.
2. To investigate the characteristics of farming system in the study area.

Scope of the Study

1. Kam Tim (Include Kam Cheung Road, Kam Tin Market Town, Tai Kong Po)

Field Work Plan

I. Map reading of Kam Tim Valley

1. Identify the locations in Figure 1.1 with 1:20,000 map.

II. At Kam Sheung Road

2. Refer to the Base map 4.1, examine and record the different land uses located beside the route AB in Table 1.1. Some suggestions are listed below, like

agricultural landuse, abandoned land, commercial landuse, industrial landuse, residential landuse ...

III. At Tai Kong Po

3. From point C (323948) to point D (325951) on base map, record the different land uses, farming system and characteristics of settlement on both sides of the route in Table 1.2, Table 1.3 and Table 1.4.

IV. At Kam Tin Market Town

4. Observe the characteristics of settlement from point C to point B, and record in Table 1.4.

Think About

List the safety risks when conducting the rural fieldwork.

B. Data Collection

Data Items

1. Background information of Kam Tin Valley
2. Land uses of Kam Sheung Road
3. Land uses of Tai Kong Po
4. Farming system of Tai Kong Po
5. Characteristics of Settlement in Tai Kong Po
6. Characteristics of Settlement in Kam Tin Market Town

Data Collection Method

1. Transects

Equipment List

Items	Quantity	Checked	Returned
1. Base map (Individual)	x1	<input type="checkbox"/>	<input type="checkbox"/>
2. Clipboard (Individual)	x1	<input type="checkbox"/>	<input type="checkbox"/>
3. Compass (Individual)	x1	<input type="checkbox"/>	<input type="checkbox"/>
4. 1:20,000 map	x1	<input type="checkbox"/>	<input type="checkbox"/>

Think About

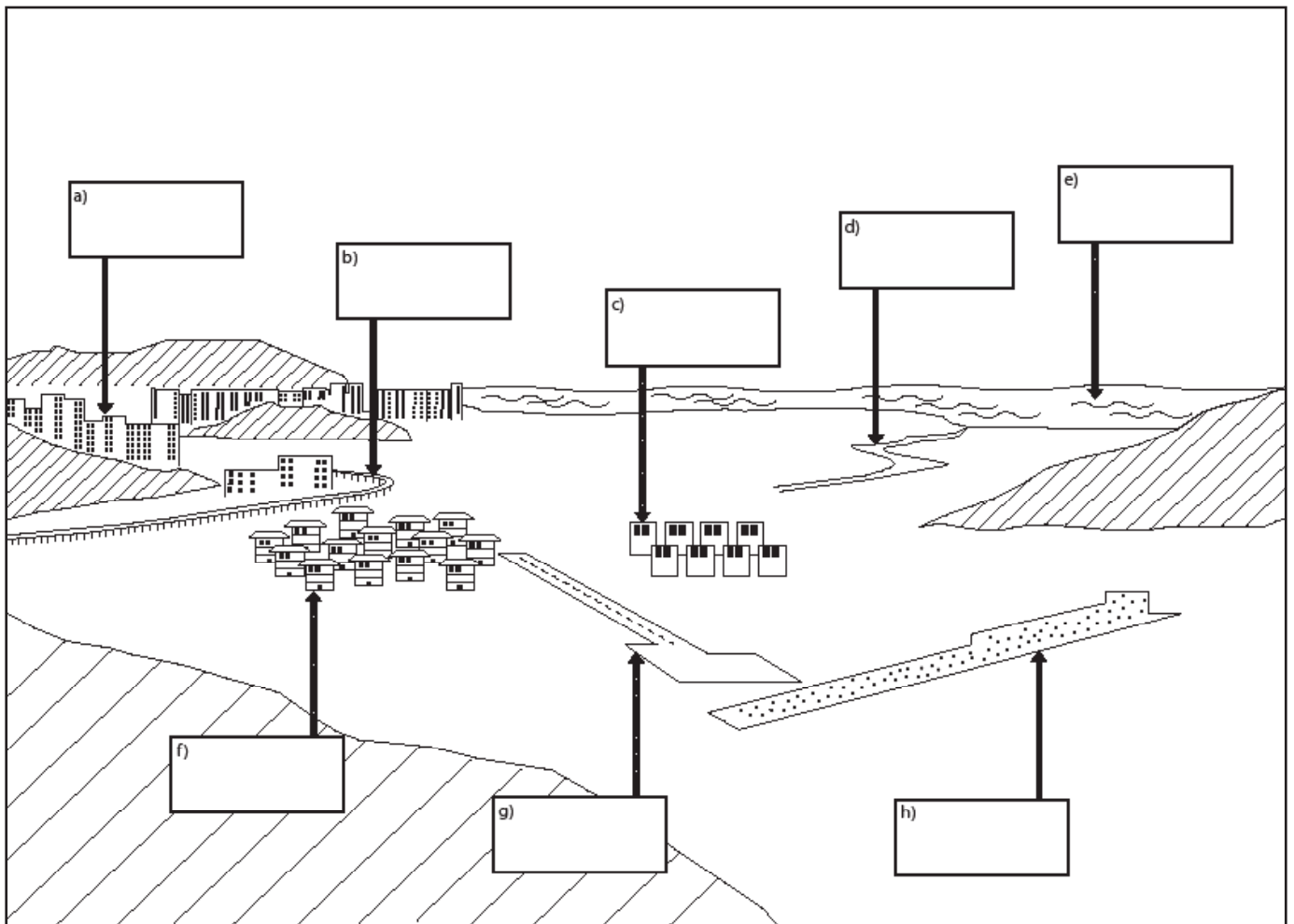
List the ways to identify different types of land uses.

List the merits and demerits of collecting qualitative data items.

Data Recording sheet

1.

Figure 1.1 - Kam Tin Valley



2. Fill in the blanks:

Kam Tin Valley is one of the largest _____ in Hong Kong. It is bounded by mountains in the directions of _____ and _____. It was built from the _____ materials brought down by _____ River. The river finally drains into _____.

Table 1.1 - Land Uses along Kam Sheung Road

Land uses		Existing	Description/ Notes in Fields	Aerial Photo(s) Year _____
Agricultural Land Use	1. Abandoned fields	<input type="checkbox"/>		Quantity: Distribution: Characteristics:
	2. Fallow	<input type="checkbox"/>		
	3. Horticulture	<input type="checkbox"/>		
	4. Fruits	<input type="checkbox"/>		
	5. Poultry	<input type="checkbox"/>		
	6. Vegetables	<input type="checkbox"/>		
	7. Others	<input type="checkbox"/>		
Commercial Land Use	1. Retailing	<input type="checkbox"/>		Quantity: Distribution: Characteristics:
	2. Wholesaling	<input type="checkbox"/>		
	3. Storage	<input type="checkbox"/>		
	4. Services	<input type="checkbox"/>		
	5. Others	<input type="checkbox"/>		
Residential Land Use	1. High Income Residential	<input type="checkbox"/>		Quantity: Distribution: Characteristics:
	2. Middle Income Residential	<input type="checkbox"/>		
	3. Low Income Residential	<input type="checkbox"/>		
	4. Others	<input type="checkbox"/>		
Industrial Land Use	1. Manufacturing	<input type="checkbox"/>		Quantity: Distribution: Characteristics:
	2. Repairing	<input type="checkbox"/>		
	3. Others	<input type="checkbox"/>		
Other Land Uses				

Table 1.2 - Land Uses in Tai Kong Po

Land uses		Existing	Description/ Notes in Fields	Aerial Photo(s) Year _____
Agricultural Land Use	1. Abandoned fields	<input type="checkbox"/>		Quantity: Distribution: Characteristics:
	2. Fallow	<input type="checkbox"/>		
	3. Horticulture	<input type="checkbox"/>		
	4. Fruits	<input type="checkbox"/>		
	5. Poultry	<input type="checkbox"/>		
	6. Vegetables	<input type="checkbox"/>		
	7. Others	<input type="checkbox"/>		
Commercial Land Use	1. Retailing	<input type="checkbox"/>		Quantity: Distribution: Characteristics:
	2. wholesaling	<input type="checkbox"/>		
	3. Storage	<input type="checkbox"/>		
	4. Services	<input type="checkbox"/>		
	5. Others	<input type="checkbox"/>		
Residential Land Use	1. High Income Residential	<input type="checkbox"/>		Quantity: Distribution: Characteristics:
	2. Middle Income Residential	<input type="checkbox"/>		
	3. Low Income Residential	<input type="checkbox"/>		
	4. Others	<input type="checkbox"/>		
Industrial Land Use	1. Manufacturing	<input type="checkbox"/>		Quantity: Distribution: Characteristics:
	2. Repairing	<input type="checkbox"/>		
	3. Others	<input type="checkbox"/>		
Other Land Uses				

Table 1.3 - Farming System in Tai Kong Po

Physical Inputs		Cultural Inputs	
1. Climate		1. Labour	
2. Water Resources		2. Capital	
3. Farm Size		3. Technology	
4. Relief		4. Institution	
5. Soil		5. Transports	
6. Others		6. Others	



Farming Processes	
1. Irrigation	
2. Fertilizing	
3. Pest Control	
4. Weed Control	
5. Others	



Useful Outputs	Useless Outputs



Feedback



1. Target Customers	
2. Market Value	
3. Others	

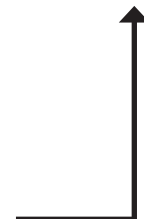


Table 1.4 - Characteristics of Settlement in Tai Kong Po and Kam Tin Market Town

	Tai Kong Po	Kam Tin Market Town
1. Location	along/ far from the main route	along/ far from the main route
2. Population Size	larger/ smaller	larger/ smaller
3. Population Density	higher/ lower	higher/ lower
4. Age Structure	children/ adults/ the elderly	children/ adults/ the elderly
5. Sex Structure	more male/ more female/ similar proportion	more male/ more female/ similar proportion
6. Employment Structure	primary/ secondary/ tertiary	primary/ secondary/ tertiary
7. Settlement Pattern	nucleated/ linear /dispersed	nucleated/ linear /dispersed
8. Transportation		
9. Economic activities	a. Basic necessities: b. Luxury goods: c. Services:	a. Basic necessities: b. Luxury goods: c. Services:

C. Data Processing, Presentation and Analysis

Draw the most appropriate diagrams to present the collected data.

Think About

List the merits and demerits of the chosen diagrams.

D. Interpretation and Conclusion

1. Identify and elaborate the farming types in Tai Kong Po with examples.

2. What are the physical and cultural constraints faced and remedial measures made by farmers in the area?

3. Compare the characteristics of settlement in Tai Kong Po with those in Kam Tin market town, and identify the process of urban development reflected and its impacts.

4. According to field observation and aerial photo(s) provided, analyse the changes of land uses along Kam Sheung Road.

5. According to field observation and aerial photo(s) provided, analyse the changes of land uses in Tai Kong Po.

E. Evaluation

1. Other than the data collected in this course, suggest other data and information you might need to further investigate the rural area in Kam Tin. Explain your answer.
