UNIVERSITY OF CAMBRIDGE INTERNATIONAL EX
International General Certificate of Secondary Educati

GEOGRAPHY

Paper 4 Alternative to Coursework

INSERT

1 hour 30 minutes

READ THESE INSTRUCTIONS FIRST

This Insert contains Figs 1, 2, 3, 4 and 6 and Table 1 for Question 1, and Photographs A and B, Fig. 8 and Tables 4 and 5 for Question 2.

The Insert is **not** required by the Examiner.

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Fig. 1 for Question 1

Daily rainfall in October 2000

		Rainfall (mm)
Total September		141.0
October		
	1st	8.9
	2nd	0.0
	3rd	0.0
	4th	0.8
	5th	0.0
	6th	0.0
	7th	13.0
	8th	0.0
	9th	41.6
	10th	20.4
	11th	106.4
	12th	22.3
	13th	0.0
	14th	0.0
	15th	3.1
	16th	19.0
Total October		369.0

Fig. 2 for Question 1

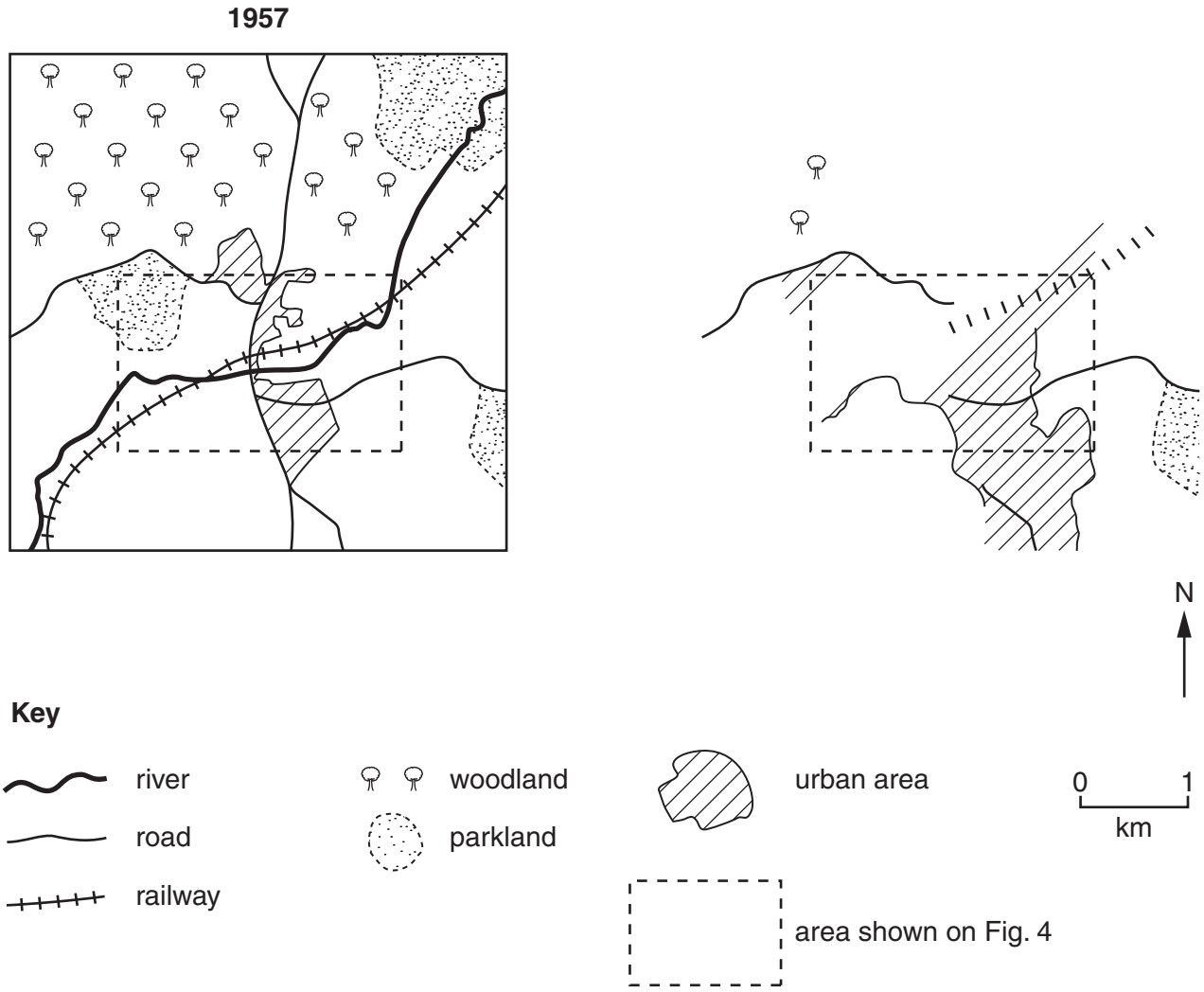
Diary of the river flood

Day 1	It started to rain heavily about midday and rained until evening. The river level started to rise.
Day 2	The rain was less continuous but there were two very heavy showers. The river level went down but didn't return to its normal level.
Day 3	It started to rain heavily again in the afternoon and this continued all evening and through the night. The river level rose again and the rate of increase became more rapid.
Day 4	The rainfall continued through the night and the morning. It finally stopped raining about midday. The river overflowed onto the floodplain during the night and continued to flood the land even when the rain stopped.

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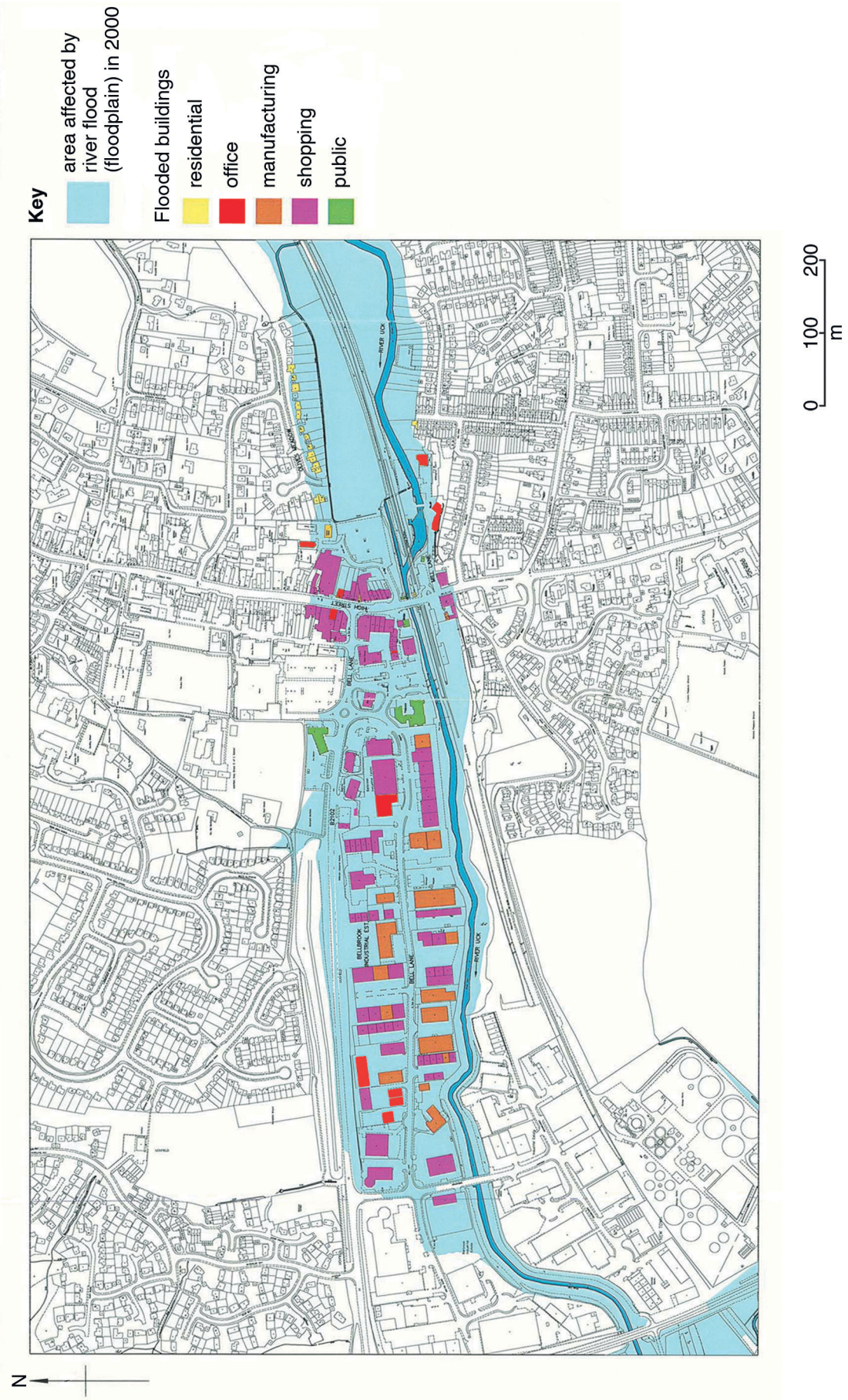
Fig. 3 for Question 1

Changes in the area



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Fig. 4 for Question 1



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Table 1 for Question 1

Uses of buildings on the floodplain in 2000 which were

Building use	Percentage of buildings	Numb
Shopping	55	
Residential	15	
Office	14	
Manufacturing	12	
Public	4	5
Total	100	133

Fig. 6 for Question 1

Business questionnaire

We are investigating the effects of river flooding in October 2000 as part of our Geography coursework. Please will you answer the following questions?

1. Were you given any warning that the river might flood your business?

☐ Yes ☐ No

2. How was your business affected by river flooding in October 2000?
You may choose more than one response by ticking the box.

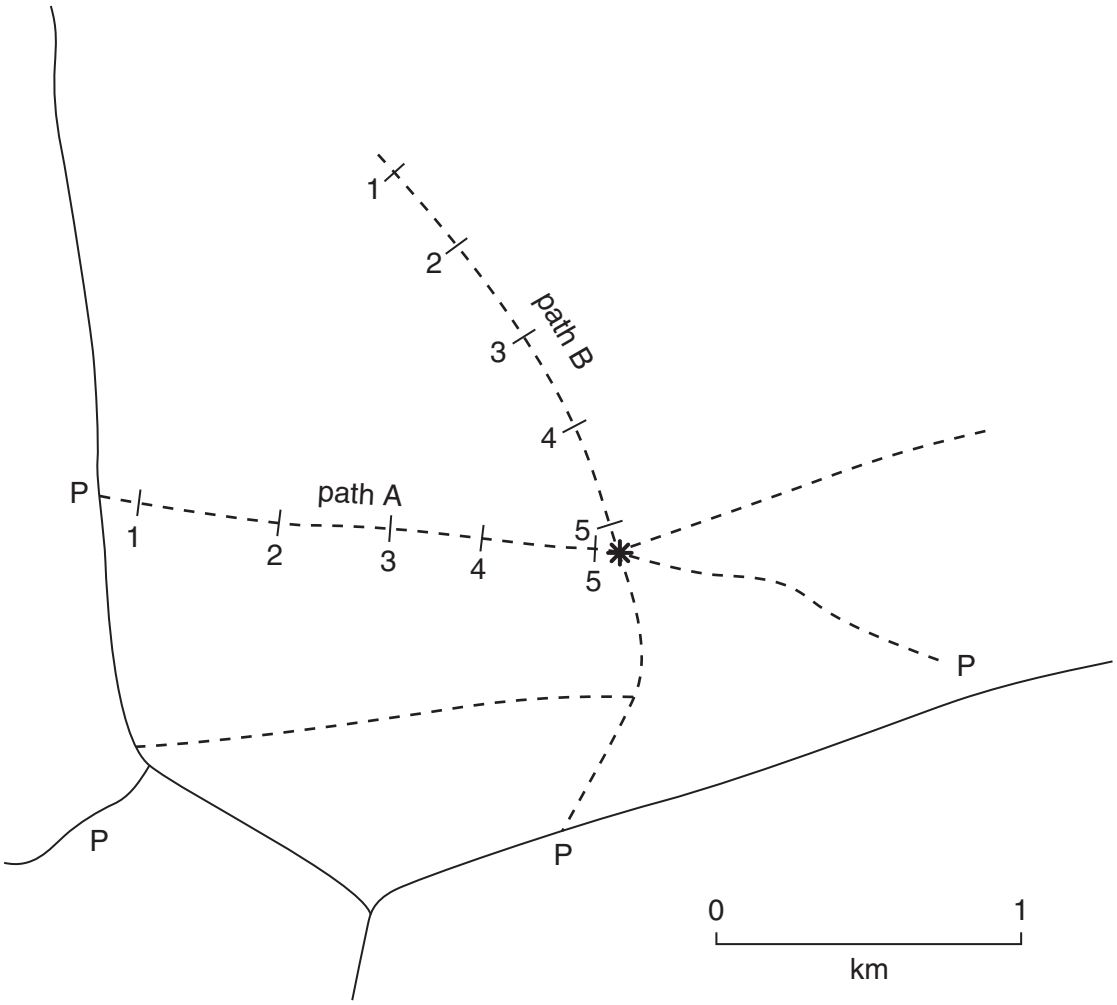
	Tick ✓
Loss of customers	
Temporary closure of the building and re-location	
Expense of repairing the building	
Destruction of stock and equipment	
Increased cost of insurance	

Thank you for your time.

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Fig. 8 for Question 2

Location of fieldwork sites



Key

✱	hilltop and tower
- - - -	path
———	road
P	car park
1	sampling site

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Photograph A for Question 2

The Tower



Table 4 for Question 2

Results of pedestrian count

Day: Wednesday
Time: 10.00 –10.10
Weather: Misty, cloudy, rain showers
Other information: Tower is closed

Path A: from the car park to the tower	
Site	Number of people
Car park	
1	6
2	6
3	9
4	7
5	12
Tower	

Path B: from the road to the tower	
Site	Number of people
Road	
1	2
2	3
3	2
4	4
5	8
Tower	

Day: Sunday
Time: 10.00 – 10.10
Weather: Sunny, warm, dry
Other information: Tower is open

Path A: from the car park to the tower	
Site	Number of people
Car park	
1	45
2	38
3	36
4	36
5	50
Tower	

Path B: from the road to the tower	
Site	Number of people
Road	
1	16
2	14
3	13
4	12
5	27
Tower	

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Photograph B for Question 2

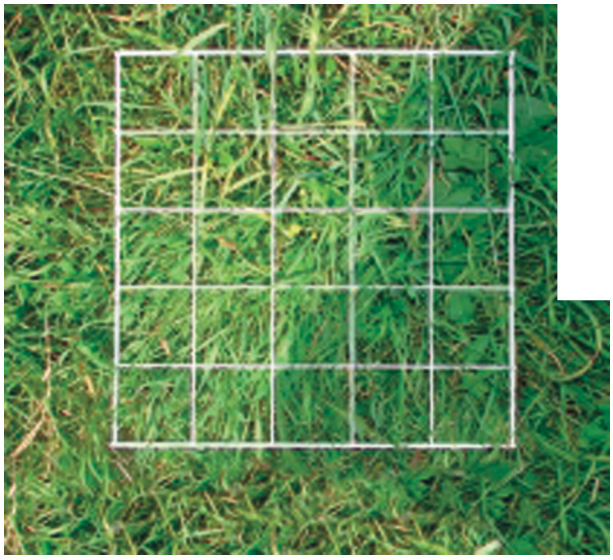


Table 5 for Question 2

Vegetation cover and bare soil

Path A: from the car park to the tower

Site	1	2	3	4	5
Vegetation cover (%)	14	22	10	23	0
Bare soil (%)	86	78	90	77	100

Path B: from the road to the tower

Site	1	2	3	4	5
Vegetation cover (%)	70	62	55	44	10
Bare soil (%)	30	38	45	56	90

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