



# OUNDE

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School

2020 Academic Scholarship Paper

## Geography

Time allowed: **1 hour 30 minutes**

**Write all answers on A4 lined Paper.**

**Also needed:**

- 1:50 000 OS map extract of “Keswick”

**Instructions:**

- Write your name at the top of each separate page you write on.
- Clearly number every question that you answer;
- Answer the following:
  - All of Section A;
  - One question from Section B; (B1 OR B2)
  - One from Section C.
- The marks available for each question are shown in brackets; the length of each answer relate to the number of marks and this should guide you on how much time to spend on each.

**Information:**

- The total number of marks for this paper is **60**. Each section is weighted **equally**;
- Credit will be given for the use of examples, labelled maps and sketches/diagrams, where used appropriately.

## **Section A: Applied Map work & Skills**

You **must** answer all of Section A.

You **should** refer to the Map Key on the reverse of the map extract.

You may write on the map, if needed.

1. Study the map extract of Keswick and the surrounding area. (1:50,000 scale.)

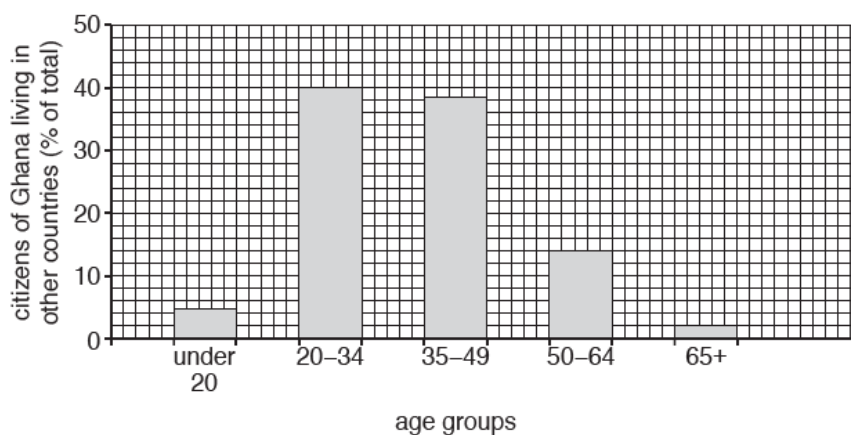
(a) Identify the following:

- i) The river feature at grid reference 248,247 (1)
- ii) The spot height in grid square 27,28. (1)
- iii) In which direction is Skiddaw (26, 29) from Lonscale Fell (28, 26). (1)
- iv) The type of vegetation in Dodd Wood at 24,27. (1)
- v) One service that is found in both Applethwaite and Dale Bottom. (1)
- vi) What would you find at 225,244. (1)
- vii) Estimate the distance along the A66 from the parking at Hursthole Point in 21, 27 to the Hotel in 23, 24 in kilometres. (1)

(b) Using map evidence, explain the siting of the settlement of Keswick. (4)

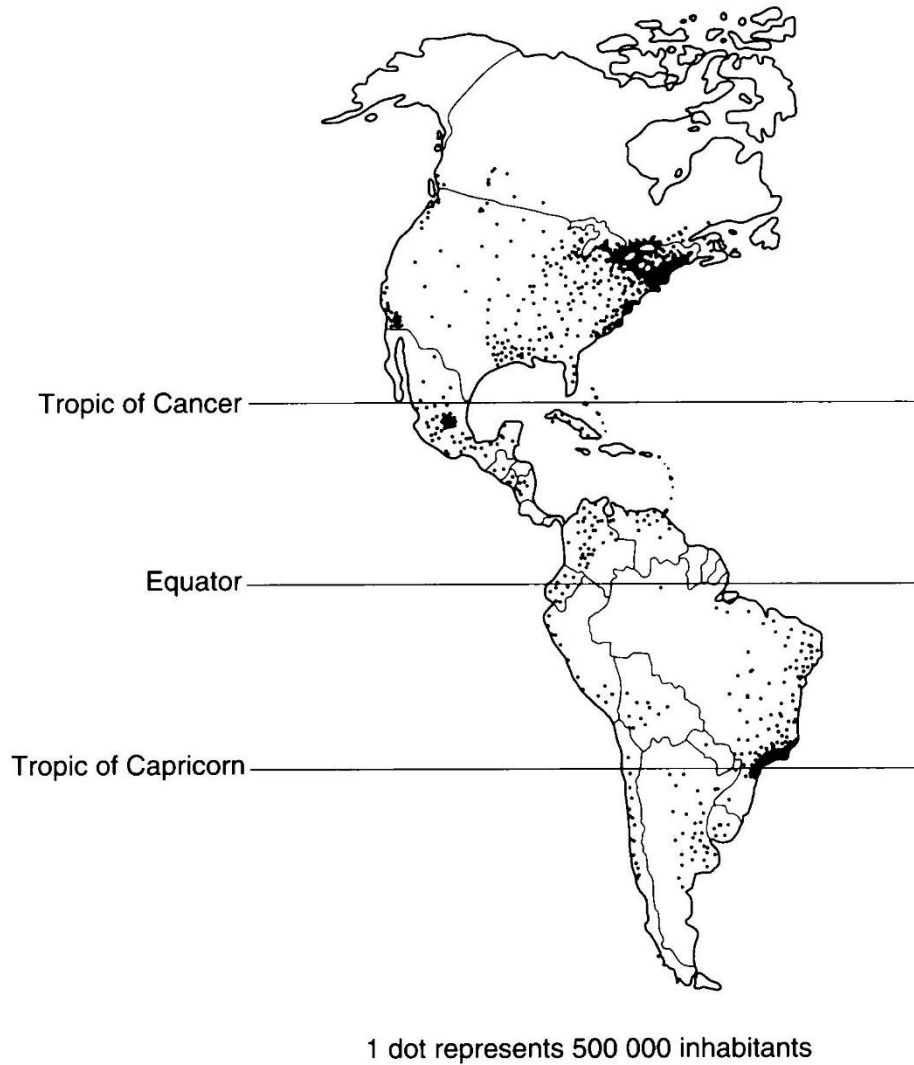
2. **Graph A1** shows the ages of citizens of Ghana who live in other countries.

(a) Give the age group with second highest percentage of citizens living in other countries and state what the percentage is. (2)



3. **Map A2** shows the distribution of population in North and South America.

- (a) Which country to the north of the USA is sparsely populated. (1)
- (b) Describe two similarities between the distribution of population in North and South America. (2)



**Map A2**

- (c) **Table A3** gives information about the most powerful earthquake in each year between 2003 and 2012.

Year	Magnitude (Richter Scale)	Number of deaths	Depth of focus (km)
2003	8.3	0	27
2004	9.1	227 898	30
2005	8.6	1313	30
2006	8.3	0	10
2007	8.5	25	34
2008	7.9	87587	19
2009	8.1	192	18
2010	8.8	547	35
2011	9.0	20896	29
2012	8.6	0	23

**Table A3**

- (i) In which year was the earthquake with the lowest magnitude and second lowest depth?  
(1)
- (ii) Does the data in Table A3 show a relationship between magnitude and number of deaths?  
(3)

(Total marks for section A = **20 marks**)

## **Section B: Applied Physical and Human Geography**

Choose **one** question from this section (**either B1 or B2**)

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### **Question B1 (Applied Physical Geography)**

Study **Figure B1** below which shows a coastal landform.



**Photograph B1**

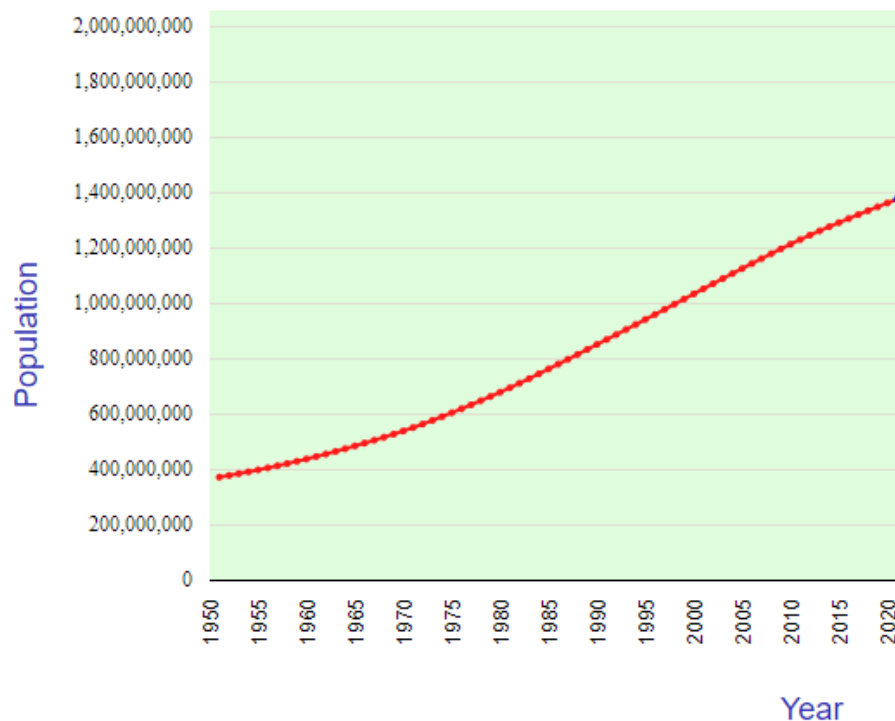
- (a) Which process has led to the formation shown at X in **Photograph B1**? (1)
- (b) Define the terms swash and hydraulic action. (2)
- (c) Suggest three ways in which the sea in **Photograph B1** could be transporting sediment. (3)
- (d) Describe how weathering processes break apart rock. (4)
- (e) Describe the economic effects of flooding (river or coastal). (4)
- (f) For a named area that you have studied, explain the causes of flooding (river or coastal). (6)

(Total marks for question B1 = **20 marks**)

## Question B2 (Applied Human Geography)

**DO NOT** answer this question if you have just answered **B1**.

1. Study **Graph B2**, which shows the total population of India between 1950 and 2020.



- (a) Define the term natural increase. (1)
- (b) State the population of India in 2010 shown on Graph B2. (1)
- (c) Describe the growth of India's population between 1950 and 2020. (2)
- (d) Give two disadvantages of the increased use of road transport that is caused by a growing population. (2)
- (f) Suggest reasons for the growth in India's population over time. (4)
- (g) Explain why some parts of the world are more densely populated than others (crowded or relatively empty). (4)
- (h) For a named area that you have studied, explain the benefits and problems of an economic activity that takes place. (6)

(Total marks for question B2 = **20 marks**)

## Section C: Essays

Choose only **ONE** question from this section.

**Credit will be given for appropriate use of diagrams/examples.**

**All questions are marked out of 20 marks.**

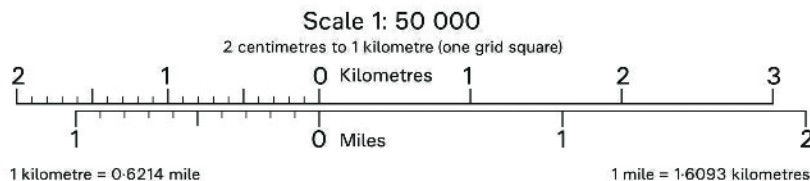
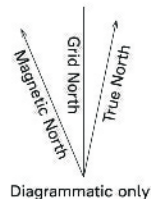
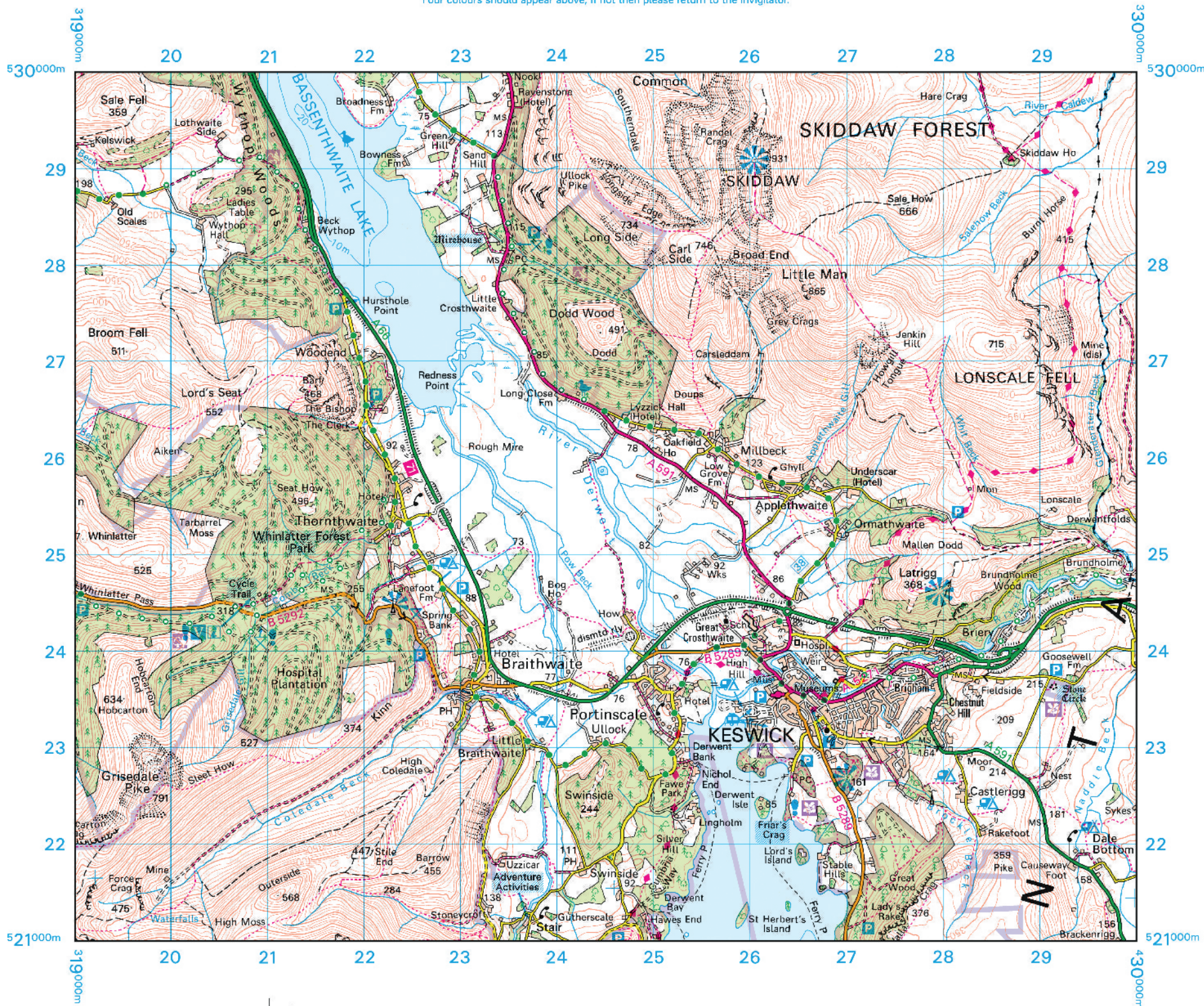
1. Discuss the causes of an earthquake that you have studied and how people responded to manage the aftermath.
2. Why do you think an increasing number of tourists want to visit remote places (such as Antarctica) and what problems can this create? Try and use examples where appropriate.
3. Describe and explain how a river changes from the source to the mouth. Try to use examples where appropriate.
4. Describe and explain the impact of the North Atlantic Drift and the Jet Stream on temperature and rainfall in the British Isles.
5. Describe and explain the reasons for the location of economic activities in contrasting locations. Try to use examples where appropriate.
6. Describe and explain the distribution of earthquakes and volcanoes. Try to use examples where appropriate.

(Total marks for Section C= **20 marks**)





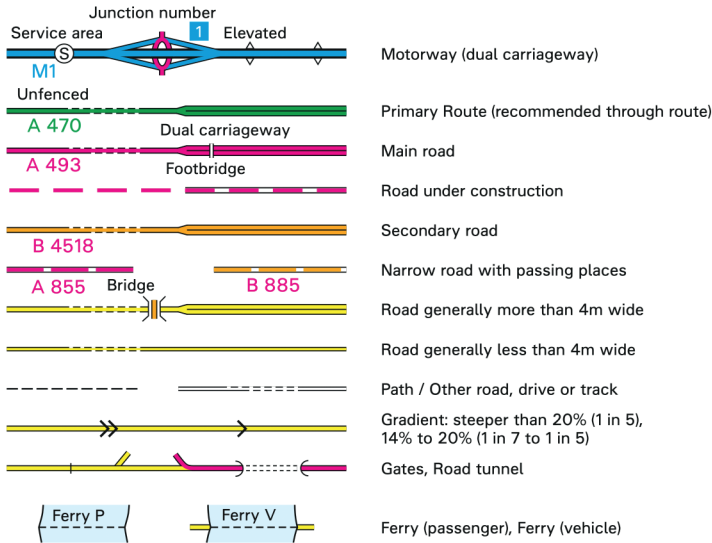
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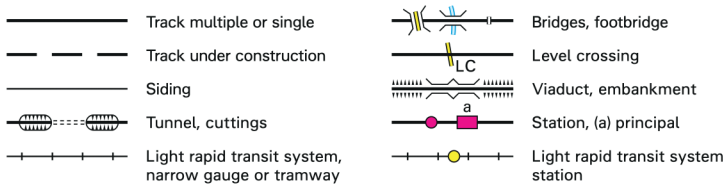


## ROADS AND PATHS

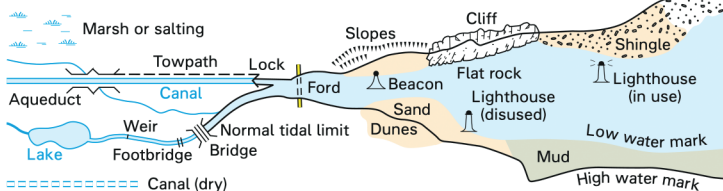
Not necessarily rights of way



## RAILWAYS



## WATER FEATURES



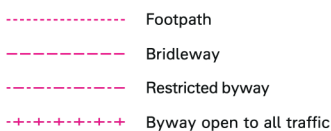
## HEIGHTS

1 metre = 3.2808 feet



Where two heights are shown the first height is to the base of the triangulation pillar and the second (in brackets) to the highest natural point of the hill

## PUBLIC RIGHTS OF WAY



The symbols show the defined route so far as the scale of mapping will allow.

The representation on this map of any other road, track or path is no evidence of the existence of a right of way. Not shown on maps of Scotland

## ABBREVIATIONS

Br	Bridge	MS	Milestone
Cem	Cemetery	Mus	Museum
CG	Cattle grid	P	Post office
CH	Clubhouse	PC	Public convenience (in rural areas)
Fm	Farm	PH	Public house
Ho	House	Sch	School
MP	Milepost	TH	Town Hall, Guildhall or equivalent

## ANTIQUITIES

+	Site of antiquity
✂	Battlefield (with date)
☆	Visible earthwork
VILLA	Roman
Castle	Non-Roman

## TOURIST INFORMATION



## LAND FEATURES

