

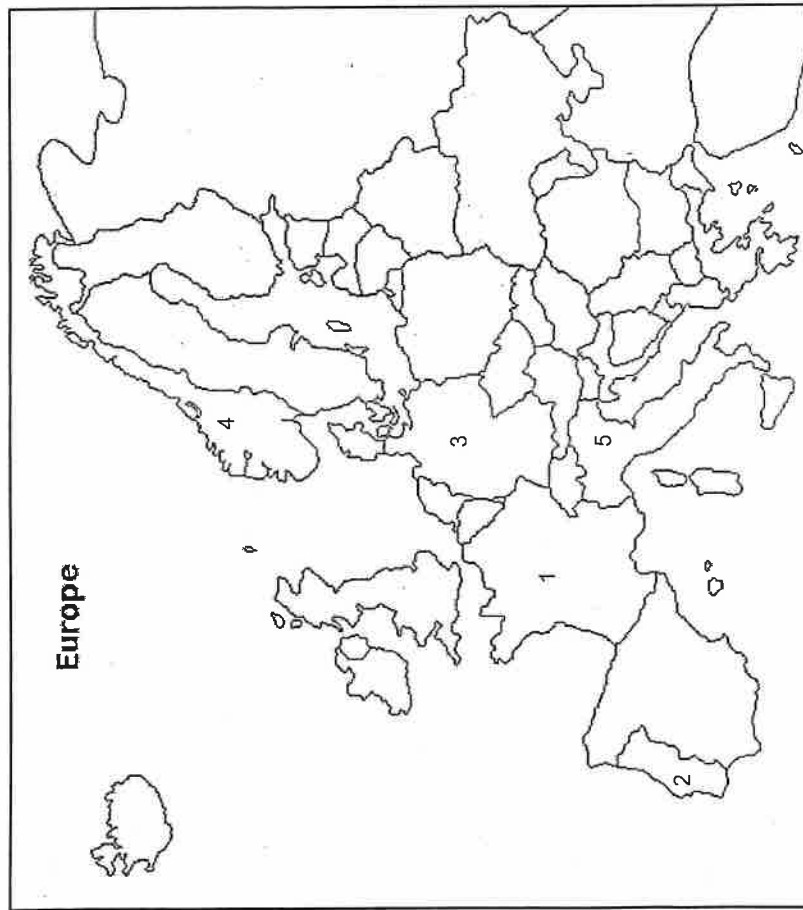
SOUTH AFRICAN COLLEGE SCHOOLS GEOGRAPHY EXAM

Instructions

- Answer all the questions.
- Write neatly and legibly.
- Show all calculations where necessary.
- You have been given the topographic map and Orthophoto of Johannesburg.
- All answers to be written in the spaces provided on the question paper.

QUESTION 1 MAP OF EUROPE

Refer to the map of Europe below and identify the numbered countries below:



- _____
- _____
- _____
- _____
- _____

[5]

QUESTION 2

Refer to the topographic map of Johannesburg to answer the following questions:

- 2.1. Give the direction and bearing of $\Delta 187$ (A5) from spot height 1540 (C4). (4)

Direction: _____ Bearing: _____

- 2.2. Give the meaning of the scale 1: 50 000. (2)

- 2.3. Calculate the distance from $\Delta 671$ (F5) to $\Delta 187$ (A5). Give your answer in km. (3)

- 2.4. Calculate the length of the Modderfontein dam wall (C5). Give your answer in metres. (3)

- 2.5. Give the map code/map reference of the map North of the Johannesburg map. (4)

- 2.6. Give the co-ordinates of the spot height 1540 (C4) (4)

3.8. Referring to the conventional signs identify the agricultural activity that is taking place in block A4. (2)

3.9. In the suburb of Buccleuch (B3) name three services. (3)

3.10. Identify two recreational activities on the topographical map. (2)

[27]

QUESTION 3

Refer to the orthophoto map in conjunction with the topographic map. The orthophoto can be found in block C3/4 and D3/4 on the topographical map.

3.1. Is the scale of the Orthophoto bigger or smaller than the Topographical Map? (1)

3.2. Calculate the length of the building to the left of F on the orthophoto. Give your answer in metres (3)

3.3. Identify the features / land-use at: (2)

a) D: _____

3.4. What type of road is A? (2)

3.5. Is the settlement at E a high- or low-income residential area? Give reasons for your answer. (2)

(10)

QUESTION 4

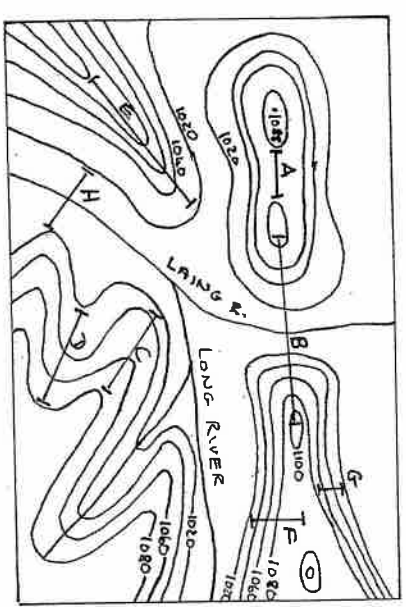
Refer to the contour map below and answer the following questions

4.1. Define a contour line. (2)

4.2. What does the contour interval of the map mean? (1)

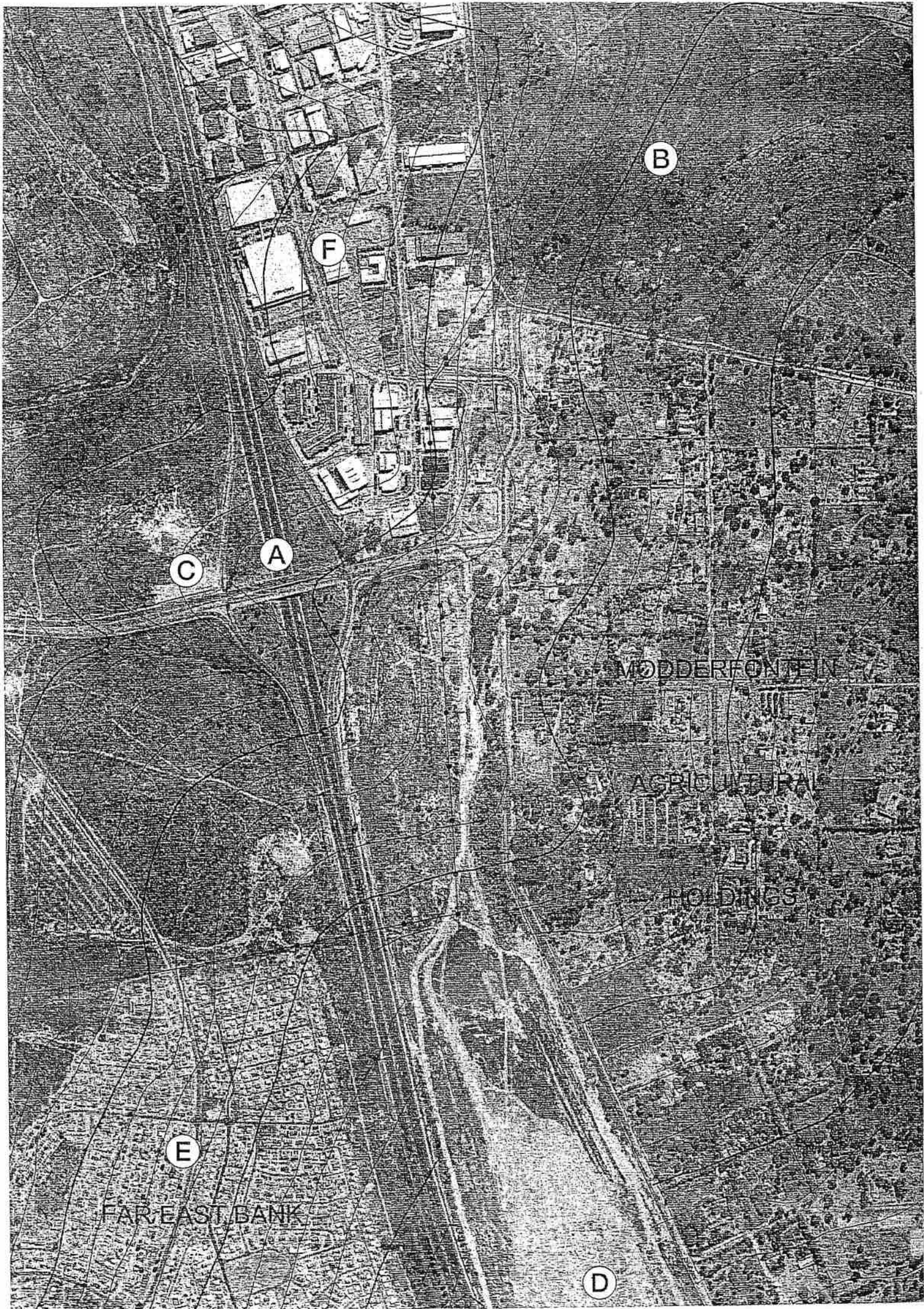
4.3. What is the contour interval of the map below? (1)

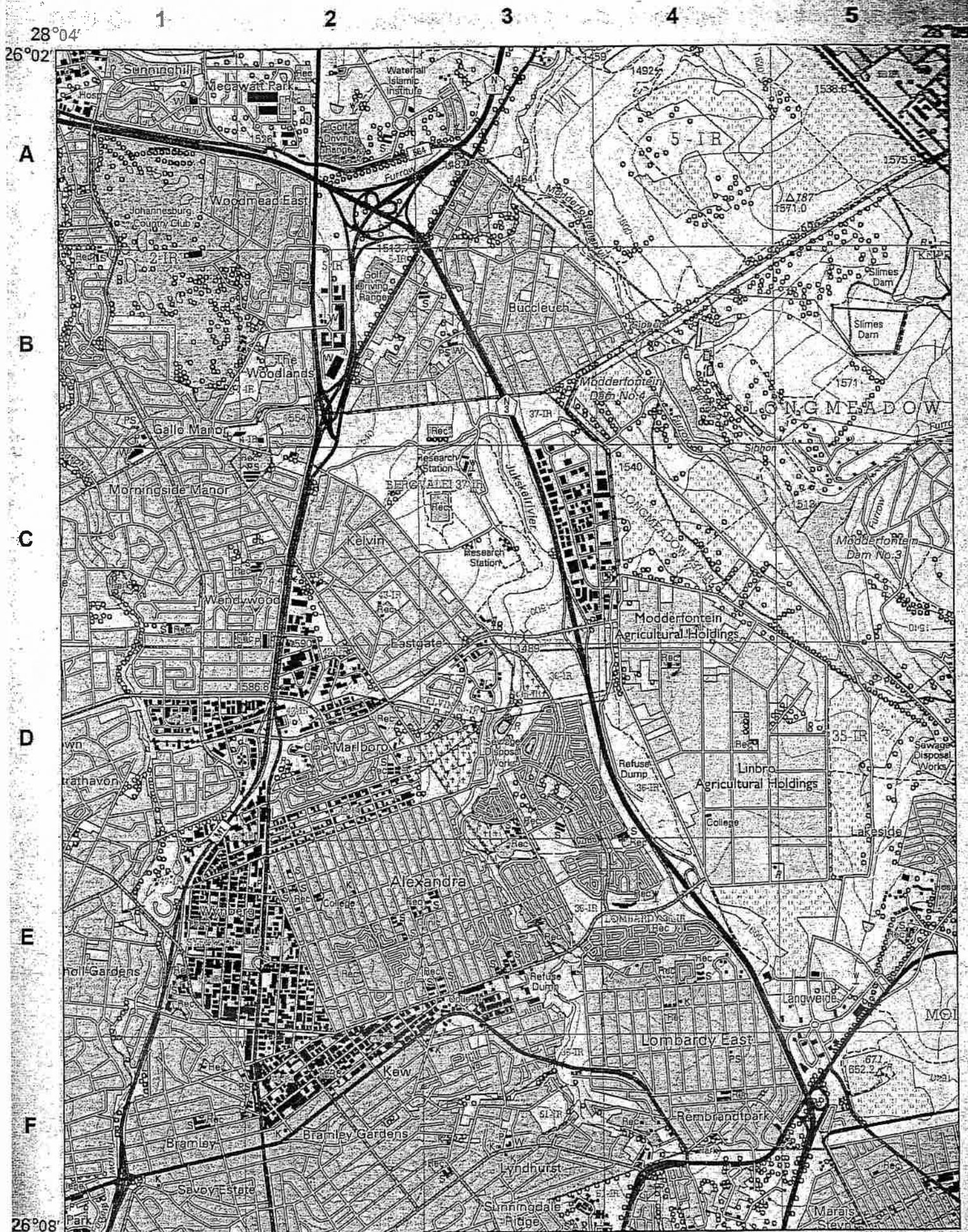
4.4. Label the landforms C and D as well as the slopes G and H. (4)



C: _____
 D: _____
 G: _____
 H: _____

(8)





1000 0 1 2 3 4 5 Kilometres
Metres

Mean magnetic declination 17°56' West of True North (July 2002).
Mean annual change 7' Westwards (2000-2005).
Supplied by Hermanus Magnetic Observatory.

CONTOUR INTERVAL 20 METRES

REFERENCE

TIN

National Freeway; National Route		International Boundary and Beacon		Fence; Wall	
Arterial Route		Provincial Boundary		Windpump; Monument	
Main Road		Game, Nature Reserve & State Forest Boundary		Communication Tower	
Secondary Road; Bench Mark		Perennial River		Mine Dump; Excavation	
Other Road; Bridge		Non-perennial River		Trigonometrical Station; Marine Beacon	
Track and Hiking Trail		Non-Perennial Water		Lighthouse and Marine Light	
Railway; Station or Siding		Dry Water Course		Cemetery; Grave	
Other Railway; Tunnel		Dry Pan		Erosion; Sand	
Embankment; Cutting		Marsh and Vlei		Woodland	
Power Line		Pipeline (above ground)		Cultivated Land	
Buildings; Ruin		Water Tower; Reservoir; Water Point		Orchard or Vineyard	
Post Office; Police Station; Store		Coastal Rocks		Recreation Ground	
Place of Worship; School; Hotel		Prominent Rock Outcrop		Row of Trees	
				Original Farms	

