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**Geography**  
**Higher level and standard level**  
**Paper 1 – resource booklet**

Wednesday 12 May 2021 (afternoon)

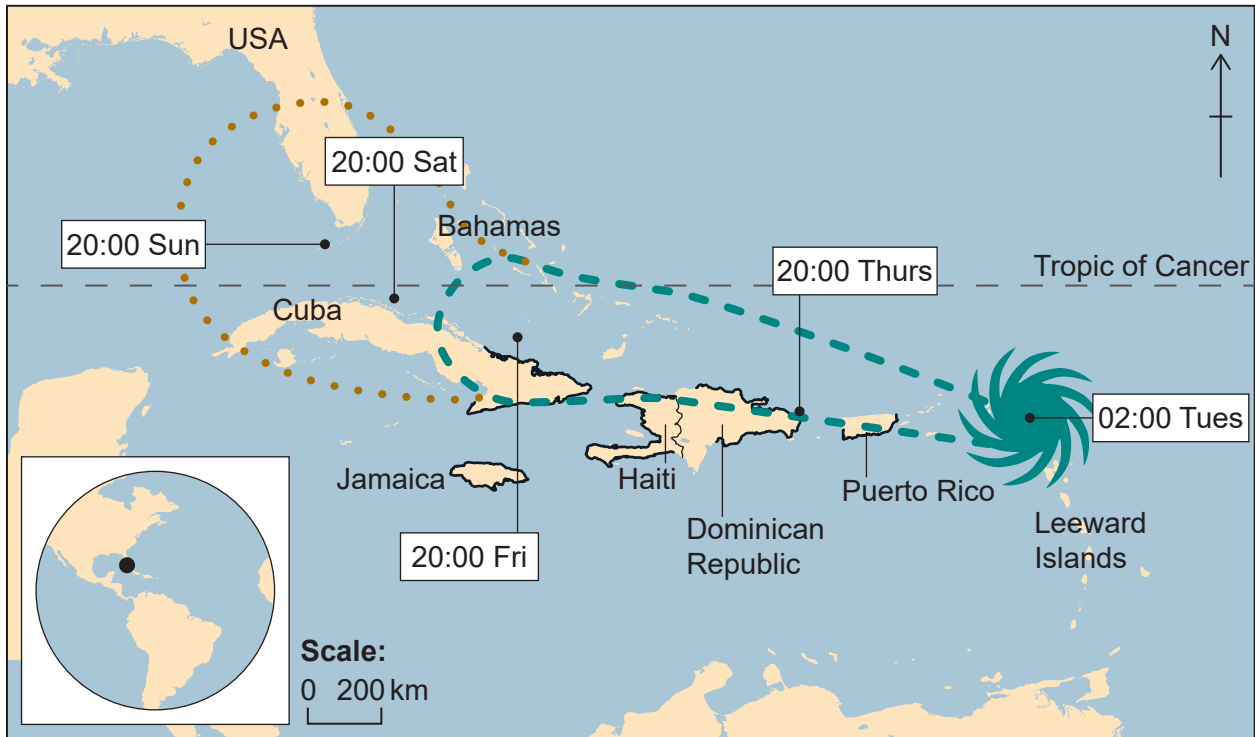
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**Instructions to candidates**





- Do not open this booklet until instructed to do so.
- This booklet accompanies paper 1.

**Option B — Oceans and coastal margins**

3. The diagram shows the predicted path of Hurricane Irma in August and September 2017.



**Key:**

	Days 1-3		Hurricane
	Days 4-5		Coral reef

**Option C — Extreme environments**

5. The map shows the location of hot, arid deserts in Australia.



**Key:**

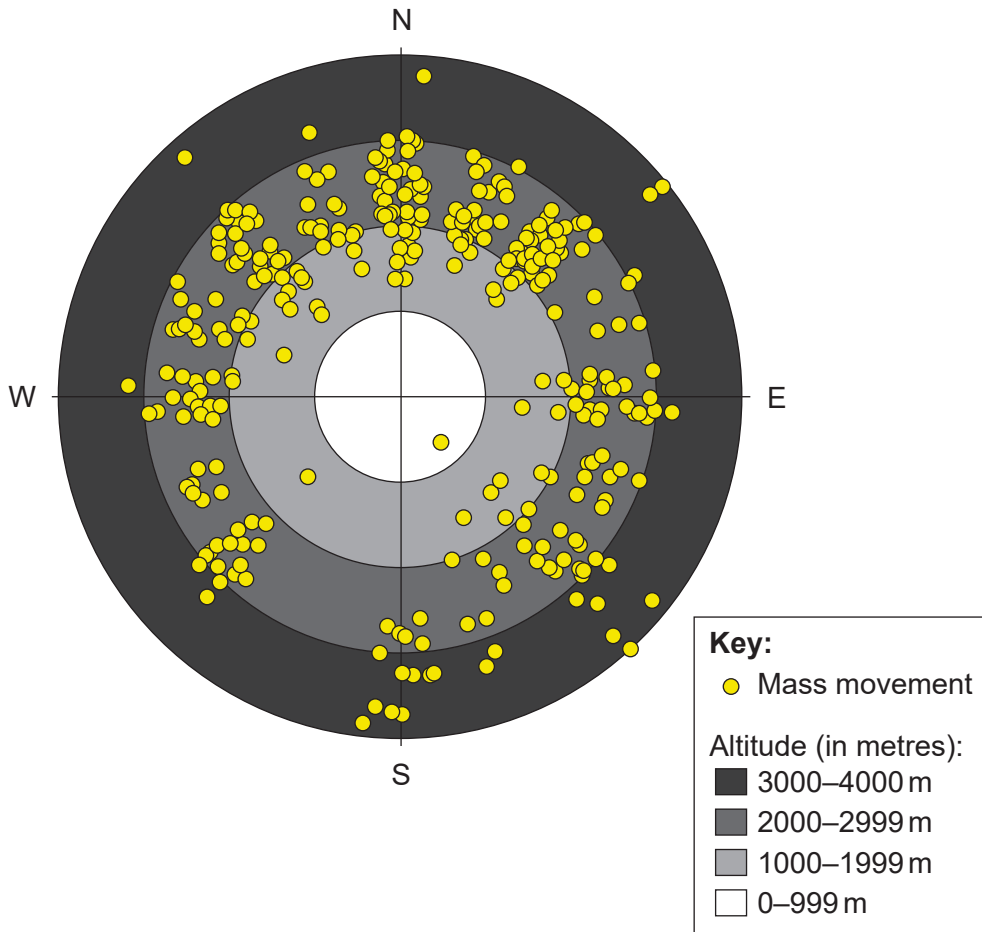
① <i>Pedirka Desert</i>	--- Named desert area
② <i>Tirari Desert</i>	- - - State boundary
③ <i>Sturt Stony Desert</i>	— River
④ <i>Strzelecki Desert</i>	- - - Seasonal river
<b>ACT</b> Australian Capital Territory	○ City
	□ Capital city

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**Option D — Geophysical hazards**

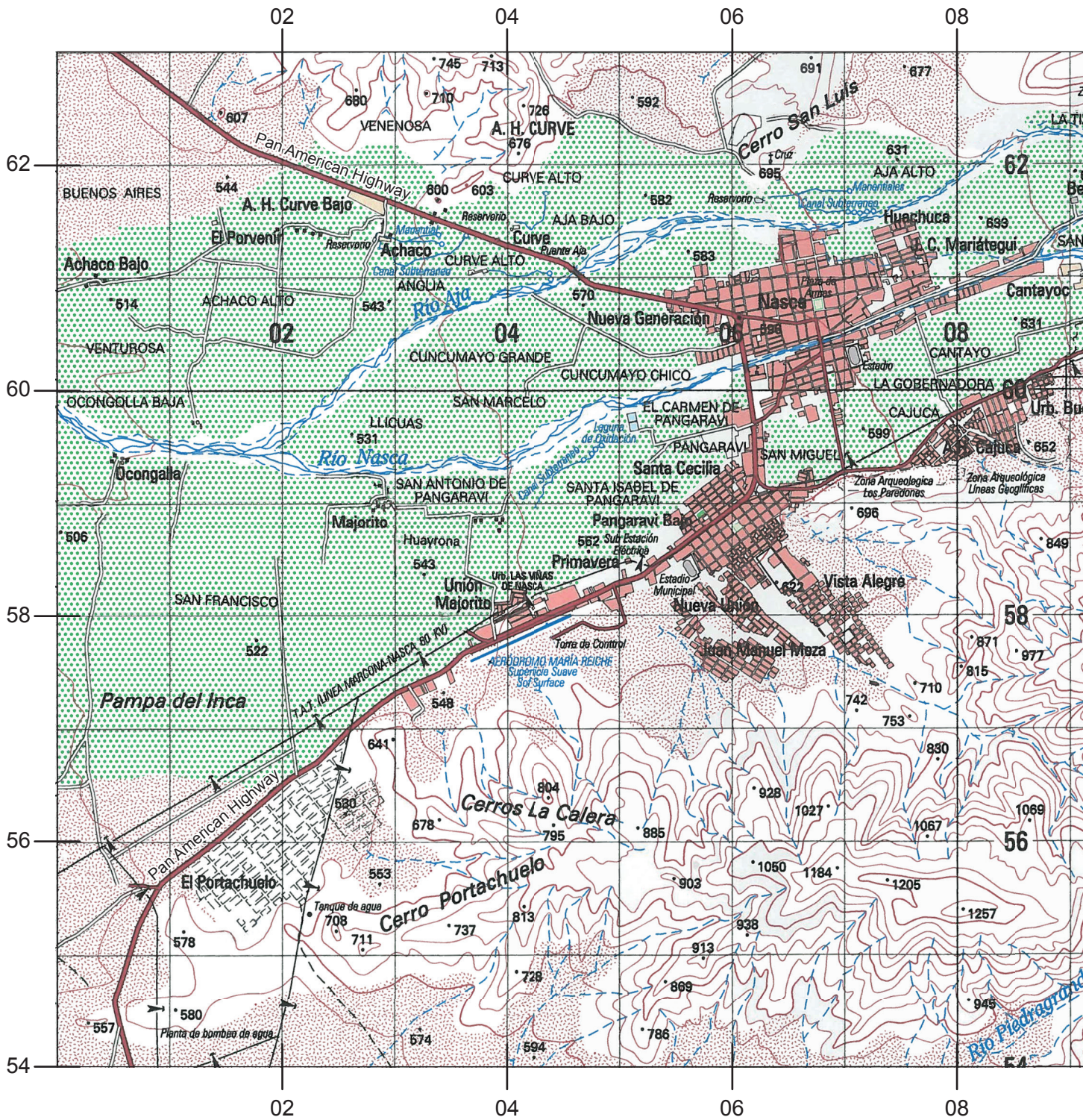
7. The diagram shows mass movement on slopes in the Swiss Alps between 1995 and 2016. Each dot represents one mass movement.

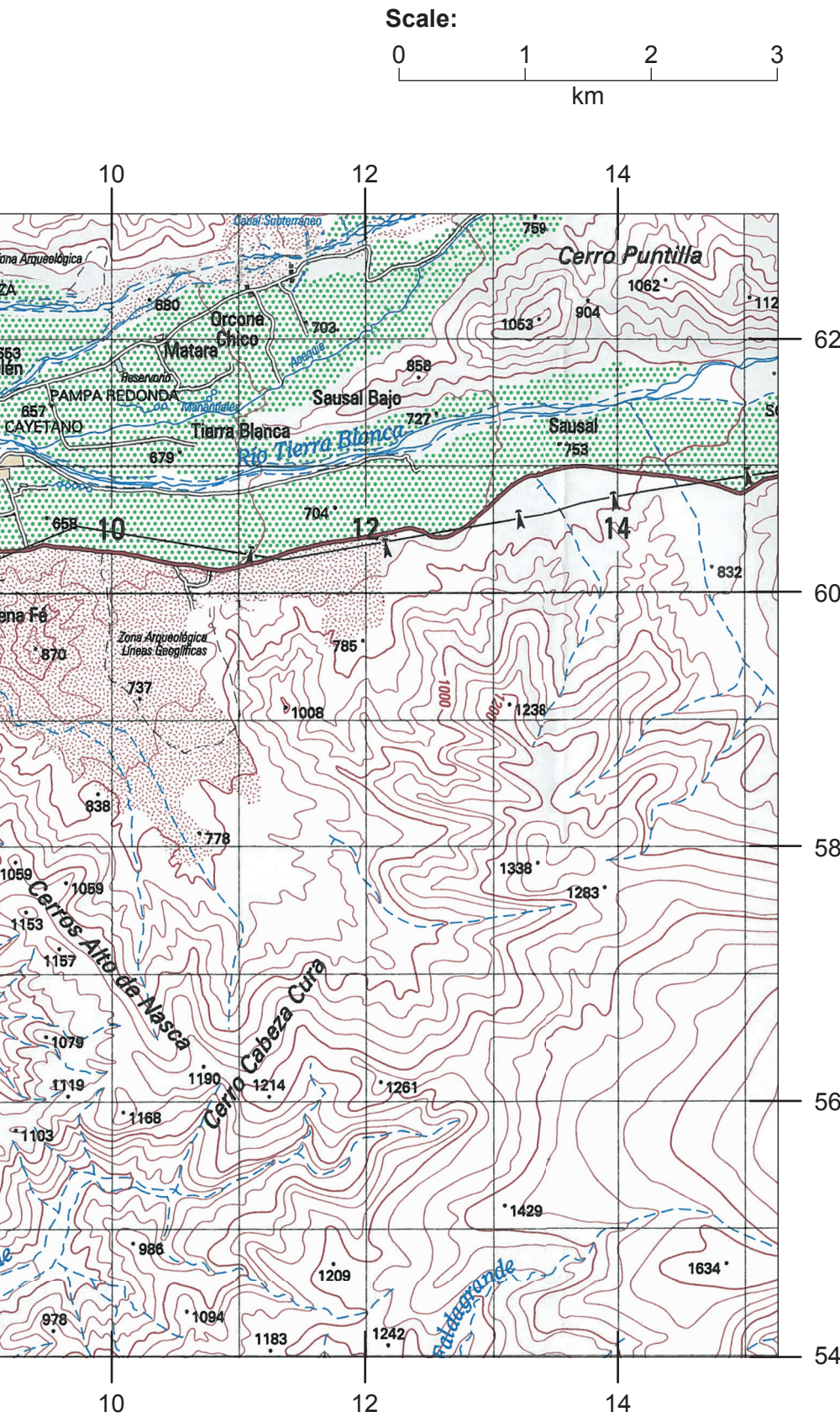
The varying altitudes of the mass movement and the direction each slope faces are shown.



### Option F — Food and health

11. The map shows part of the Nazca Valley in Peru, a middle-income country. The scale of the map is 1:50 000 and the contour interval is 50 metres.

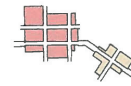




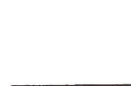
### Key: NASCA, PERÚ



Prepared and published by the Instituto Geográfico Nacional (IGN), Lima, Peru



**Populated places**  
Densely built-up areas



#### Roads

All weather, hard surface:  
Divides highway  
Two or more lanes wide  
One lane wide



#### Miscellaneous relief

Spot elevation:

•2235

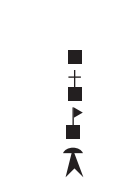
Highest

•503

Normal



Sand, dune



#### Miscellaneous

Building  
Church  
School  
Powerline



#### Airfield runway

More than 800m long



#### Streams

Less than 18m wide  
18m to 25m wide  
Over 25m wide



#### Spring, well

Perennial,  
Intermittent



#### Lakes

Intermittent  
Dry



#### Vegetation

Cultivated land



## References:

- Option B** From BBC News at [bbc.co.uk/news](http://bbc.co.uk/news). Data from National Hurricane Center.
- Option C** 2013. Deserts in Australia. [online] Available at: [https://commons.wikimedia.org/wiki/File:Deserts\\_in\\_Australia\\_en.png](https://commons.wikimedia.org/wiki/File:Deserts_in_Australia_en.png) CC BY-SA 3.0 <https://creativecommons.org/licenses/by-sa/3.0/> [accessed 17 April 2019]. Source adapted.
- Option D** Kenneth Davis, [geovisualist.com](http://geovisualist.com), data from WSL Institute for Snow and Avalanche Research SLF.
- Option F** Instituto Geográfico Nacional (IGN), 2013. Lima, Peru. *Nasca, Peru*, Series J731, Sheet 1941 3 (30 n 3), 1:50000. Lima: IGN. Source adapted.