



Geography

Higher level and standard level

Paper 1 – resource booklet

4 May 2023

Zone A morning | Zone B afternoon | Zone C morning

Instructions to candidates

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



Option A — Freshwater

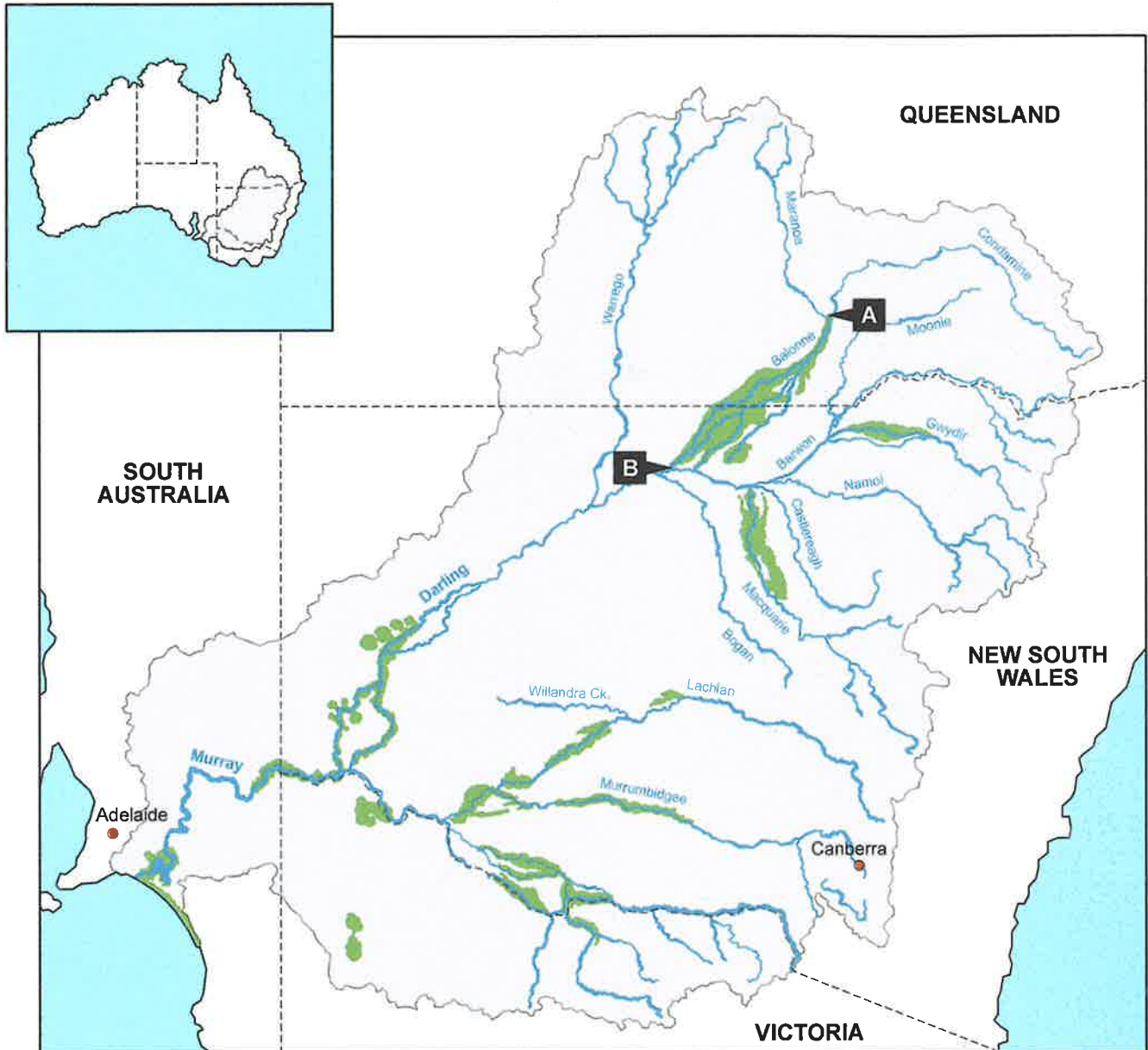
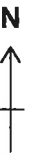
- The map shows the major wetland areas within the Murray–Darling river basin in the state of New South Wales in Australia.

Key:

 Major wetland	 River
 City	 State boundary

Scale:

0 200 km



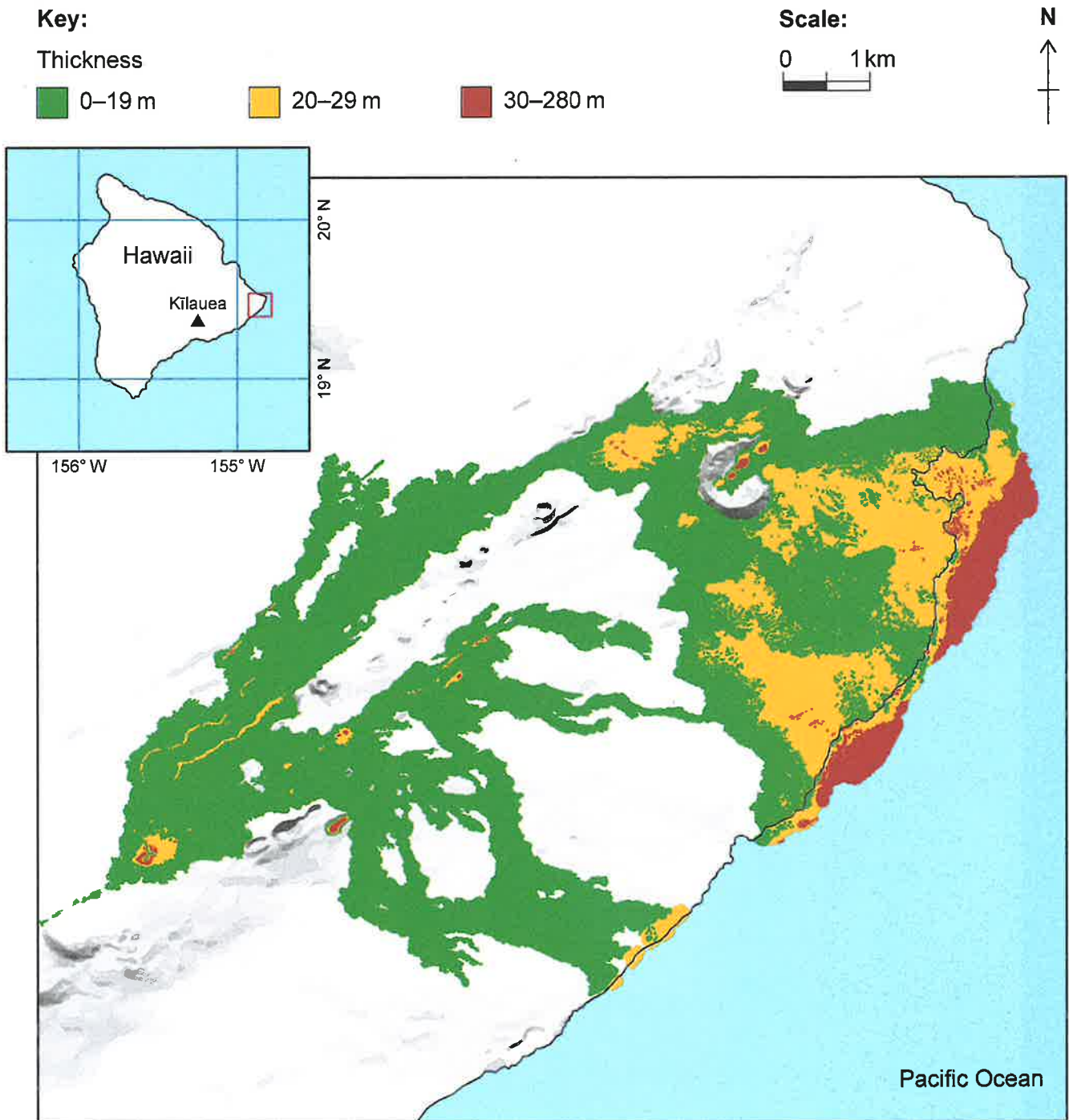
Option B — Oceans and coastal margins

3. The photograph shows the landscape at Cape Foulwind, South Island, New Zealand.



Option D — Geophysical hazards

7. The map shows the thickness of the lava flows on the lower slopes from Kīlauea, a shield volcano, following its eruption in 2018.



Option G — Urban environments

13. The graph shows the ten fastest growing cities in the world (2015–2020) and the number of new people added to each city per hour in 2020.

Key:

Region

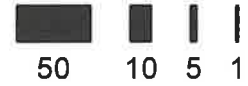
■ Africa

■ Asia

Population (year)



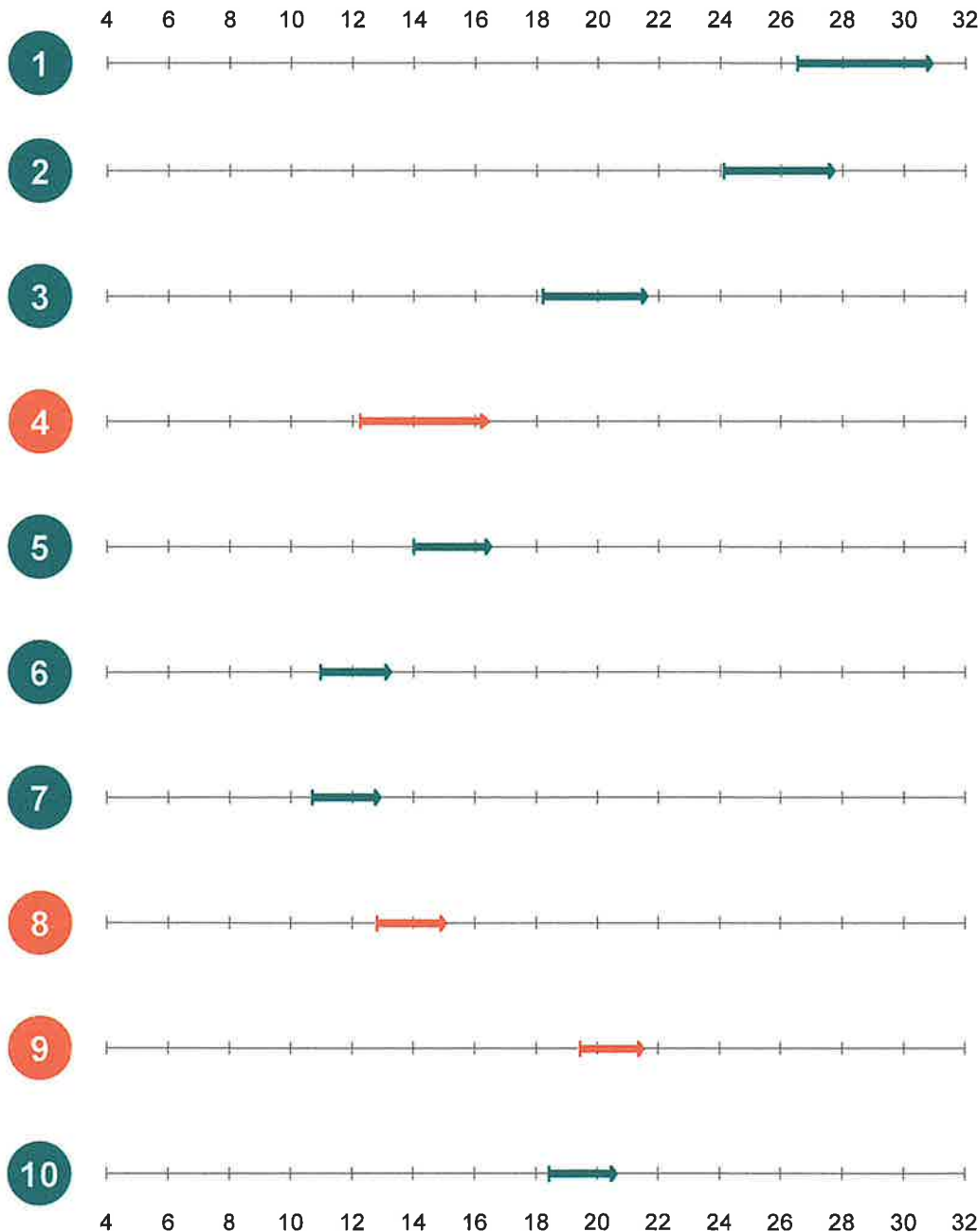
People



Rank

Population (millions)

New people per hour
in 2020



Disclaimer:

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References:

1. Abel, N., Wise, R. M., Colloff, M. J., Walker, B. H., Butler, J. R. A., Ryan, P., Norman, C., Langston, A., Anderies, J. M., Gorddard, R., Dunlop, M. and O'Connell, D., 2016. Building resilient pathways to transformation when "no one is in charge": insights from Australia's Murray–Darling Basin. *Ecology and Society* 21(2). SOURCE ADAPTED.
7. Hawaiian Volcano Observatory, 2019. Volcano watch – How is lava flow thickness measured and why does it matter? [online] Available at: <https://www.usgs.gov/news/volcano-watch-how-lava-flow-thickness-measured-and-why-does-it-matter> [Accessed 14 March 2022]. SOURCE ADAPTED.
13. BBC, n.d. *The world's fastest growing cities*. [online] Available at: <https://www.bbc.com/worklife/article/20191018-the-worlds-fastest-growing-cities> [Accessed 20 April 2022]. SOURCE ADAPTED.

