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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

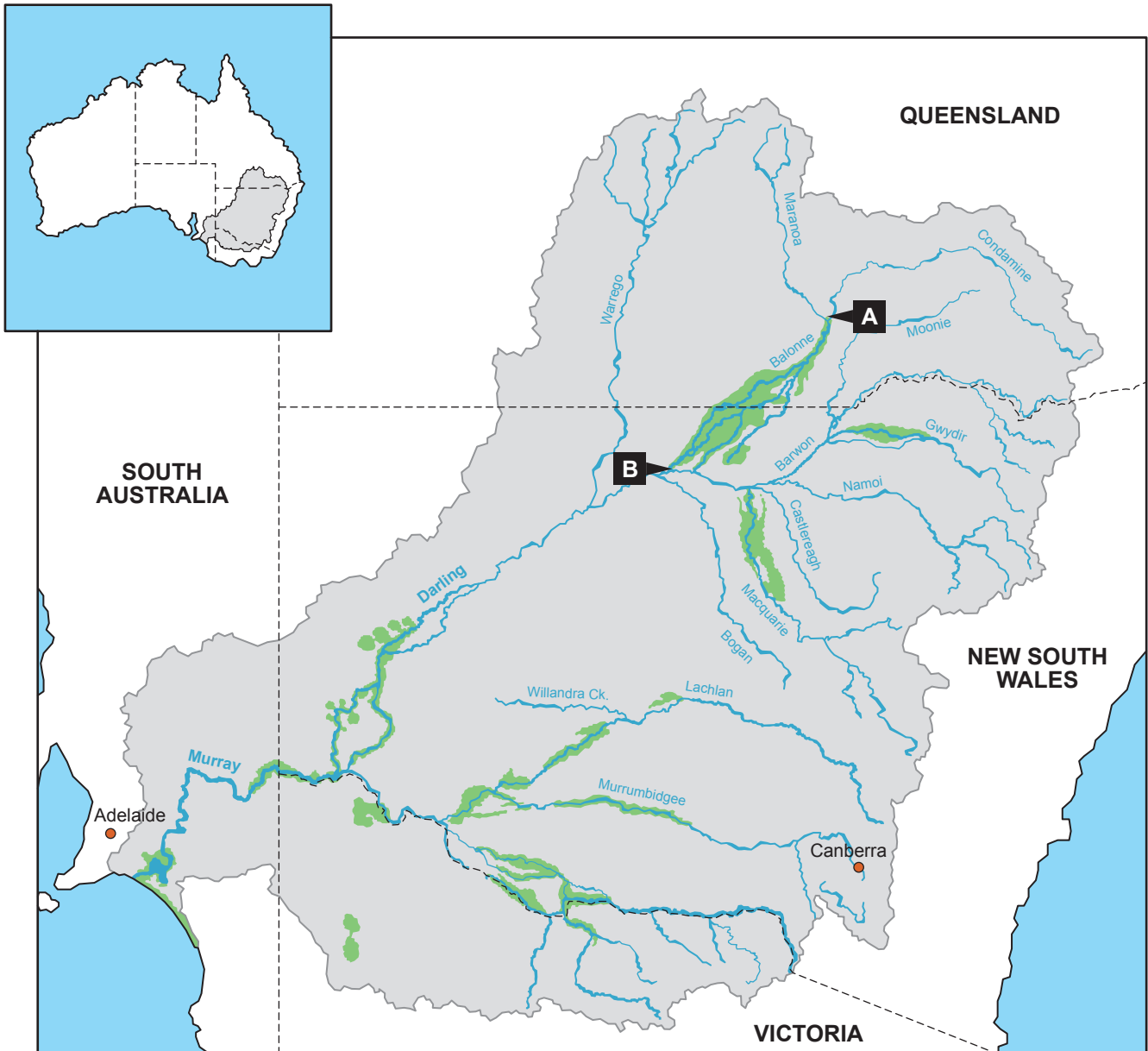


State boundary

Scale:

0 200 km

N



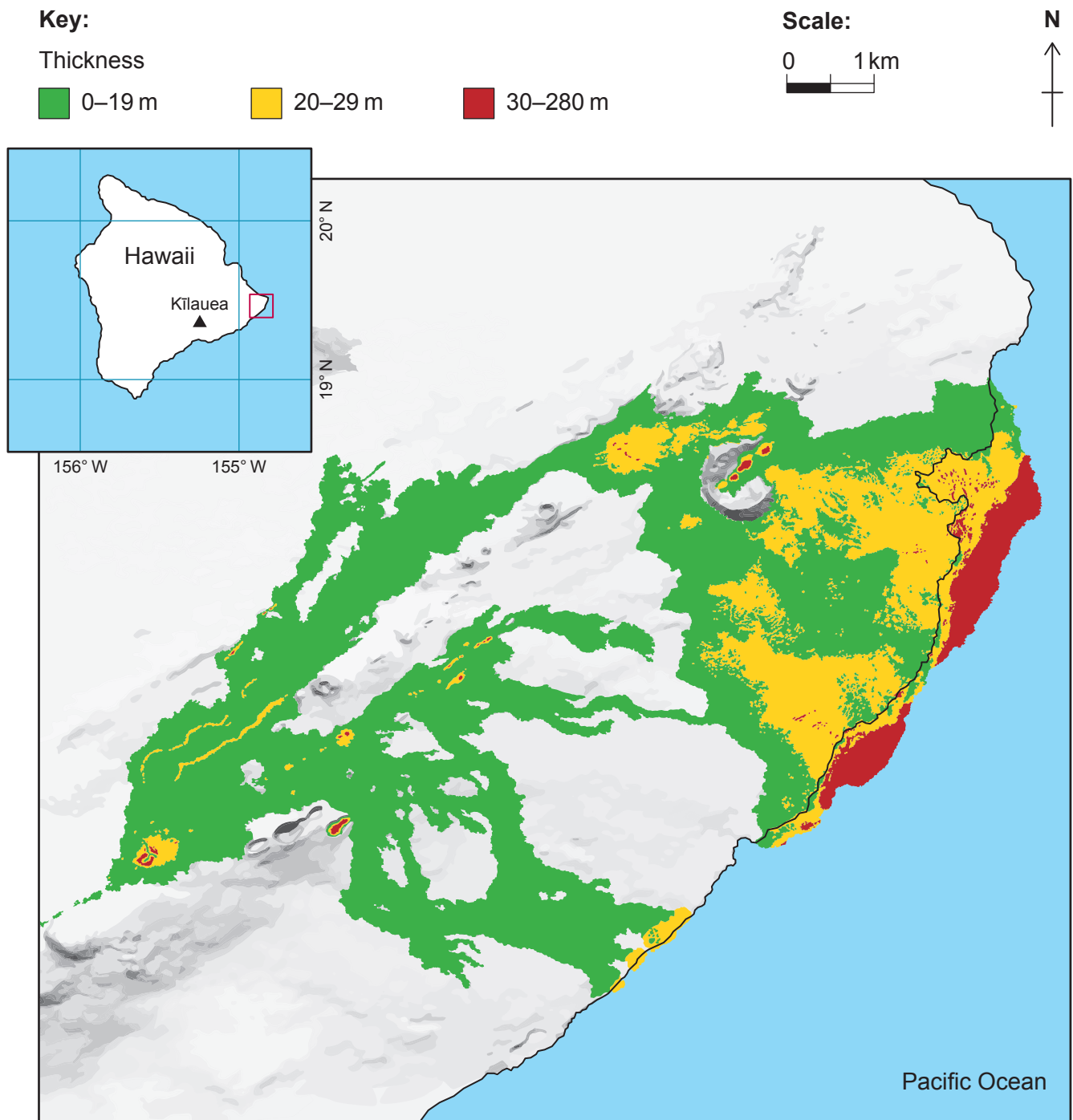
Option B — Oceans and coastal margins

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.

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References:

1. Abel, N. et al. (2016) 'Building resilient pathways to transformation when "no one is in charge": insights from Australia's Murray-Darling Basin', *Ecology and Society*, Volume 21, No. 2. <https://ecologyandsociety.org/vol21/iss2/art23/>. This article is licensed under a Creative Commons Attribution 4.0 International License. <https://creativecommons.org/licenses/by/4.0/>. Source adapted.
7. Hawaiian Volcano Observatory, USGS, 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.