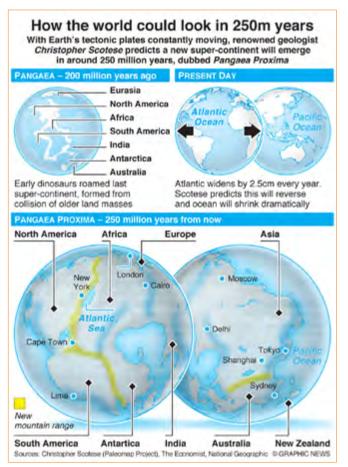
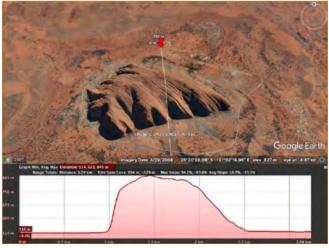
STAGE 4: SKILLS STIMULUS

SOURCE A: How the world could look



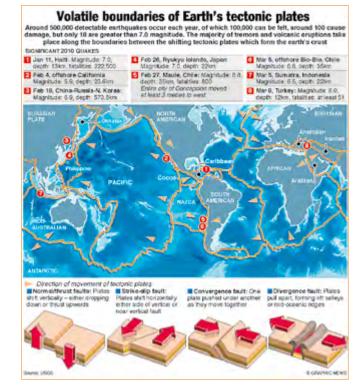
SOURCE C: Uluru – satellite image and elevation profile (cross section)



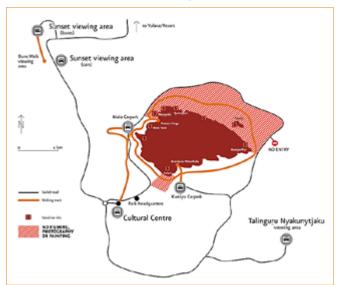
Source: Google EarthPro

Uluru-Kata Tjuta National Park is listed with UNESCO World Heritage sites for its natural and cultural landscape.

SOURCE B: Earth's volatile boundaries

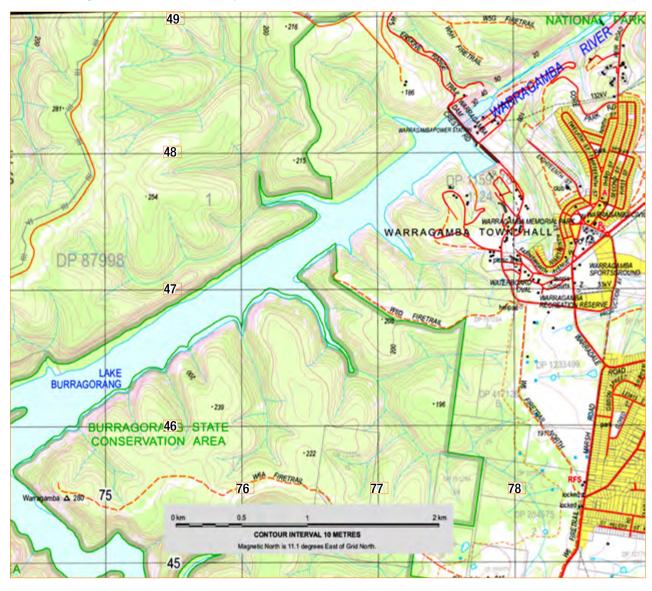


SOURCE D: Uluru visitor map



SOURCE E: Uluru during rain

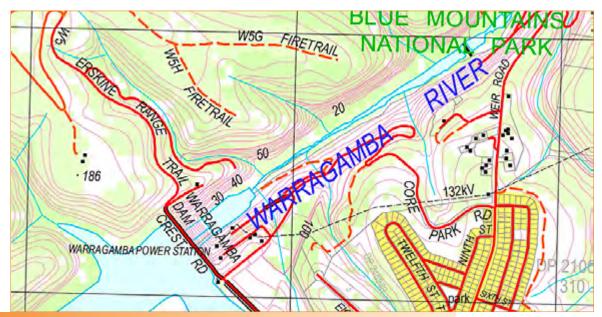




SOURCE F: Warragamba Dam – landscapes, landforms and water resources

SOURCE G: Warragamba Dam

Do not use the topographic map scale with the enlarged map section below



NOTE: Only use the scale on the Source F: Warragamba map on P. 59 to calculate distance and area.

c

Lake Burragorang from the Lookout, May 14 2020



Warragamba River below Warragamba Dam



Warragamba Dam and Lake Burragorang



Images sourced from https://www.thefifthestate.com.au/articles/ nsw-can-have-water-or-fossil-fuels-but-not-both/

Warragamba Topographic map legend

km .	0.5 1 2 km
	CONTOUR INTERVAL 10 METRES
	Magnetic North is 11.1 degrees East of Grid North.
	artment of Finance, Services and Innovation 2017.
No part of t	his map may be reproduced without written permission.
	Built up area
MT - A32 -	Route marker: Motorway, National Route
872	Major road: paved (with State Route), unpaved
-	Secondary road: paved, unpaved
	Minor road: paved (with Impediment), unpaved
-0	Vehicular track: Stock grid.
	Four-wheel drive track: Gate
	Walking track
	Road tunnel. Crossing
	Railway, heavy. Station. Tunnel
	Railway, light. Railway, disused.
ilo Oyerde ¥	Landmark feature. Stockyards. Mine
 	Water tank or reservoir. Ground tank or dam
olly ▲ 168	Survey landmark (with height)
- 123	Ancillary contour. Spot height
600	Contours. Depression contour
Tar	Cliff, with relative height. Rocky pinnacle
	Quarry or gravel pit. Levee or dyke
	Closed forest: 80-100% crown cover. Open forest: 50-80% crown cover
0000	Woodland: 20-50% crown cover. Pine forest
and the set	Orchard, plantation or vineyard. Mangrove
	Power transmission line (33kV and above)
	Cableway
	Pipeline, water. Pipeline, other
000	Perennial lake. Intermittent lake. Mainly dry lake
	Wet swamp. Dry swamp
	Land subject to inundation. Sand
-	Intermittent stream, with waterfall
-	Mainly dry stream. Perennial stream
	Large dam or weir
	Ferry route
	Lighthouse or beacon Breakwater
200	Jetty or wharf. Rock, bare or awash
-0+	Slipway. Anchorage Wreck
200 C	Rock shelf. Reef
2	Rocky shoreline. Intertidal flat
Lawen	Building, small. Building, large. Homestead
W .S .SES	Place of worship. School. State Emergency Service
A P E	Ambulance station. Police station. Emergency headquarters
FS •T •PO	Fire station. Telephone exchange. Post office
2 [<u>2</u>] •H	Electricity substation, small. Electricity substation, large. Hospita
I RFS	Wind generator. Windpump. Rural fire station
P 778482 34	Cadastral deposited plan, lot number

	State Forest	Local G	overnment	
1	Mine Subsidence Dist	rict	Cadastre	
	National Park, Nature or State Conservation		State	

Source: https://sydneyuncovered.com/warragamba-dam-and-lake-burragoranglookout/

SOURCE H: Access to water

One in 10 people without safe water

Over 650 million people, equal to almost one in 10 of the world's population, are living without access to safe drinking water, putting them at risk of ill-health or premature death, according to international charity WaterAid

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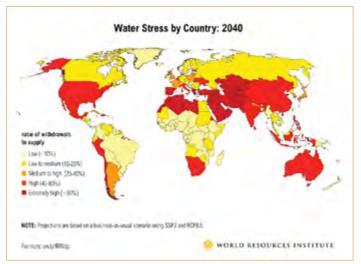
Water scarcity can mean scarcity in availability due to physical shortage, or scarcity in access due to the failure of institutions to ensure a regular supply or due to a lack of adequate infrastructure.

Picture: Newscom

@ GRAPHIC NEWS

SOURCE J: Global water stress

Source: WaterAid



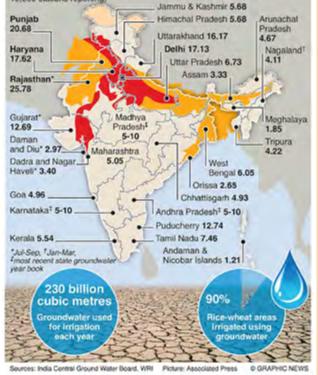
World Resources Institute blog Source: https://www.wri.org/blog/2015/08/ ranking-world-s-most-water-stressedcountries-2040

SOURCE I: Water scarcity

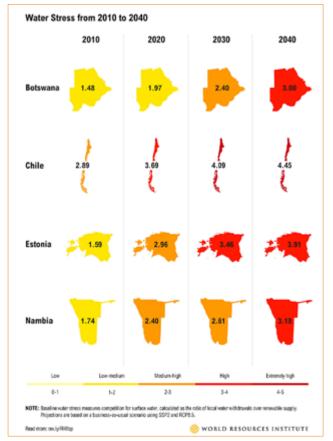
India's water scarcity challenge

India, the world's largest groundwater user, is seeing levels declining across the country with farmers in Punjab, Haryana and Rajasthan facing the prospect of having no groundwater left for irrigation by 2025 Groundwater decline 🥚 Medium-high 2-8cm/year 😑 Extreme >8cm/year

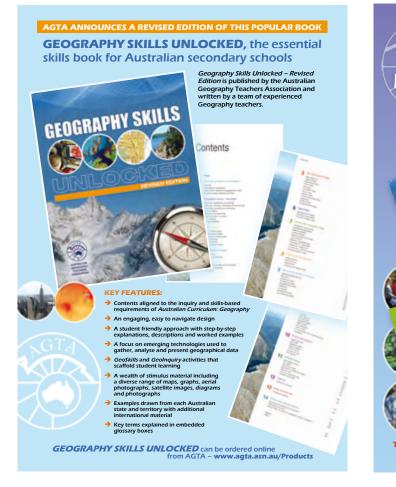
Depth of groundwater level (metres below ground level, Oct-Dec 2018, 10,800 st ins reporting)



SOURCE K: Water stress by country



RESOURCES



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Geography Fieldwork Unlocked features 34 inquiry-based fieldwork activities developed by a team of experienced Geography educators Section 1 of the book introduces the reader to inquiry-based fieldwork. It also provides guidance in developing fieldwork action plans, research methodologies, and data collection tools and approaches. It also provides guidance on the presentation and communication of fieldwork findings.

Section 2 features nine fieldwork activities for primary students (Years F/K–6). Each of these activities has been designed to develop students conceptual understanding and the skills associated with inquiry-based learning.

Section 3 showcases 25 fieldwork activities aligned to the topics studied by students in Years 7–10.

Each fieldwork activity is framed by one or more inquiry questions. They also feature: a statement of expected learning: a list of the equipment needed to successfully complete each fieldwork activity; a short introduction; background information that contextualises student learning; pre-fieldwork activities; and detailed step-by-step instructions on how to complete each fieldwork task.

