

A Changing Landscape

Ep.4 If we use water for rehabilitation, where would it come from?

Instructions: Please read through the following questions, then watch the video [A Changing Landscape Series One Part 1: Whose job is it to rehabilitate these mines? \(youtube.com\)](#) all the way through once without answering.

Return to the beginning of the video and answer the questions as you watch it for a second time. You may need to pause to do a little research or to discuss certain topics.

You might even wish to contact the MLRA at contactus@mineland.vic.gov.au with questions of your own. That's Ok! That's what we are here for.

1 – How deep are the Latrobe Valley open cut brown coal mines ?

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2 – How many litres might it take to fill the three Latrobe Valley open cut brown coal mines with water?

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3 – How many zeros are required to write this number in numerals?

4 – How many litres of water would need to be added each year to maintain that water level?

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5 – Why would there need to be an annual amount of water added for 'maintenance'?

6 – If a water option was decided upon, what water sources *could/might* be used to fill the mines?

A –

B –

C –

D -

7 – For each of these sources: What are the potential associated issues or challenges to fill the mines?

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Some research:

What are the dimensions of Sydney Harbour?

How many ways might this be described? E.g. volume, distance, depth ...?