

# A Changing Landscape

## Ep.3 How can we rehabilitate these mines?

Instructions: Please read through the following questions, then watch [A Changing Landscape Ep 3 \(Youtube.com\)](#) 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 [with questions of your own](#). That's Ok! That's what we are here for.

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1 – All the waste from Australia would take how long to fill just the Hazelwood mine in the Latrobe Valley?

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2 – Maintenance for rehabilitated mines must be made as passive as possible. What does this mean?

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3 – Why is passive the best option?

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4 – In a rehabilitated mine, how is fire prevention best achieved?

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5 – Why would a rehabilitated coal mine avoid the use of big trees?

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6 – What is a major ‘limiting factor’ in covering exposed coal?

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7 – To completely fill the 3 mines in the Latrobe Valley requires approximately 2900 million cubic meters of material. Calculate and write down this number in litres ~ then research; what IS the capacity of the Sydney Harbour?

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8 – How do the mines release the pressure of this underground water? Why do they do this?

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9 – What positive effect might a partially filled mine void achieve?

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What are some of the negative outcomes of this method?

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10 – A finished mine void’s instability can only be effectively – how?

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11 – What sources of filling these voids might be considered?

\*Use the PMI (Plus Minus Interesting table below)

Material	Plus	Minus	Interesting

12 - Which do you think is the best option\*? Why?

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