

World of Water Quest: Desalination exploration

Name: _____

⇒ Start at: [World of Water](#)

⇒ Step 1: Click on **Water cycle**, then find **Urban water cycle – Desalination**

1. What is desalination? _____

2. Why was the desalination plant built? _____

3. Why is desalinated water important during times of drought?

4. What is the capacity of the desalination plant?

5. How is the desalination plant powered?

6. Watch the video **Integrating the Victorian Desalination Project** and draw a flow map showing where desalinated water can be used.

Desalinated water flow map

World of Water Quest: Desalination exploration

⇒ Step 2: Click on **Desalination data**

7. What is the current desalination contribution to Melbourne's water supply?

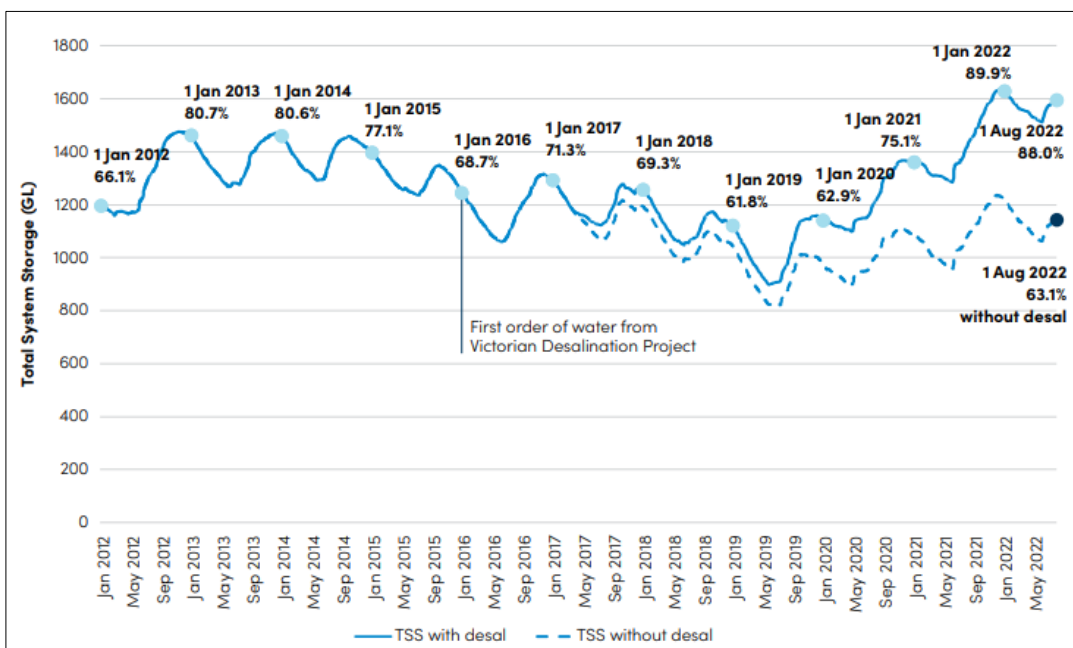
8. Suggest reasons why there has/ hasn't been a contribution.

⇒ Step 3: Extension

Look at the following graph and answer these questions

9. Describe what Melbourne's water supply would be like without desalinated water contributions.

10. Explain why the advice is to turn the desalination plant on earlier rather than later.



Comparisons of Melbourne's total system storage levels over the last five years with and without annual desalinated water contributions

Source: Greater Melbourne Urban Water and System Strategy: Water for Life
<https://www.melbournewater.com.au/media/23686/download>