Title: Temperature and water supply

Instructions

You have been tasked with investigating the effect of temperature on Melbourne's water supply. Follow the steps below to find out if and how the mean highest temperature has changed over the decades.

Explore the Interactive Map for some background information on:

- Water Supply for Melbourne
- Climate change and it's impacts on Melbourne's Water
- Reservoir levels

Step 1.

Take a look at the historical temperature data for an area of your choice in Victoria with help from the Bureau of Meteorology:

Visit the BOM's Climate Change data, <u>here</u>. Select "Temperature" from the drop down box and then "Mean maximum temperature" below. Then select a weather station of your choice by using the search. Once selected, click the "Get data" button.

Text search

Select your data type, your location, then select from the list of stations. If you prefer to see the station locations, use the map search instead.

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		Mean maximum temperature	~		
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① <u>D</u>	on't clear this	Note, most stations do not c	ollect all data types. Sear	ching will ensure relevant stations.	



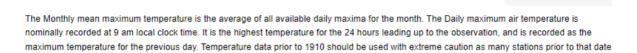
Step 2.

Click the graph button in the 'Annual' column to produce a graph from the data:

Monthly mean maximum temperature

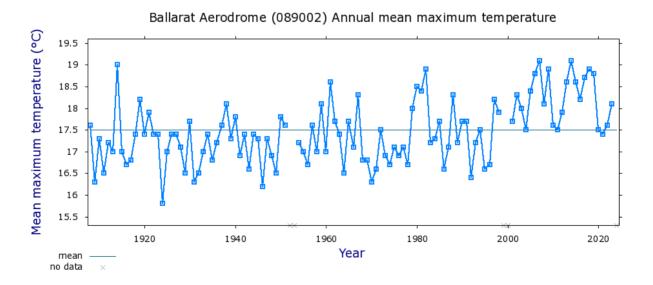
Ballarat Aerodrome

(i) About this page





This will generate a graph like the one shown below:





All years of data PDF

Name:

Has the temperature for ast 50 years?	(your location) changed in the
	e temperature over the last 50 years wasC s [higher lower] than last year's average temperat
The hottest year(s) on reco ofC.	ord for this area was in with a tempera
	trend or pattern in the graph you generated fro e data? Explain and use data in your response.
What impacts do you thi	nk this change in temperature will have on:
	•
	•
a) Melbourne's water su	pply?
What impacts do you thing a) Melbourne's water sup b) The demand for water	pply?



3. With help from the Interactive Map, create a mind map/visual display showing the impacts a restricted water supply in Melbourne would have (e.g. less water for the environment).

Wetlands dry up

The environment

Restricted water supply

