Chennai also known as Madras is the capital of the Indian state of Tamil Nadu. Located on the Coromandel Coast off the Bay of Bengal, it is the biggest cultural, economic and educational centre of south India.

Being my second home, the city is facing an acute water shortage now (June 2019). Chennai is entirely dependent on ground water resources to meet its water needs. There are four reservoirs in the city, namely, Red Hills, Cholavaram, Poondi and Chembarambakkam, with a combined capacity of 11,057 mcft. These are the major sources of fresh water for the city.

Apart from the reservoirs, the other sources of fresh water water are desalination plants at Nemelli and Minjur; aquifers in Neyveli, Minjur and Panchetty; Cauvery water from Veeranam lake;

Here is an attempt to put together a dataset that has the information about the various water sources available in the city.

**Content**

This dataset has details about the water availability in the four main reservoirs over the last 15 years

* Poondi
* Cholavaram
* Redhills
* Chembarambakkam

The data is available on a daily basis and the unit is million cubic feet.

I am planning to add other data like water availability from Veeranam lake, rainfall levels etc.

**Acknowledgements**

Thanks to [Chennai Metropolitan Water Supply & Sewage Board](https://chennaimetrowater.tn.gov.in/), the data is obtained from their site.

Photo by Erda Estremera on Unsplash

**Inspiration**

The idea is to see if we can use this dataset to

1. Visualize the water need / usage of the city
2. Identify whether the water sources availability will be able to meet the needs till the subsequent monsoon?
3. How bad is the current water crisis compared to previous years?