



HydroR

DASHBOARD

USER GUIDE

1.INTRODUCTION

The HydroR Dashboard is web based dynamic tool. The tool allows user to get insight into Krishna Raja Sagar reservoir water resources forecast and information readily available on click of a button. It provides user with past, present, 1 month ahead forecasted data of reservoir levels and storage levels of the Krishna Raja Sagar reservoir.

2. PURPOSE OF USER GUIDE

This User Guide contains all essential information for the user to make full use of the dashboard. This guide includes a description of the functions and capabilities, and step-by-step procedures for dashboard access and use.

3. GATEWAY TO THE DASHBOARD

The dashboard can be accessed by clicking on the following URL:

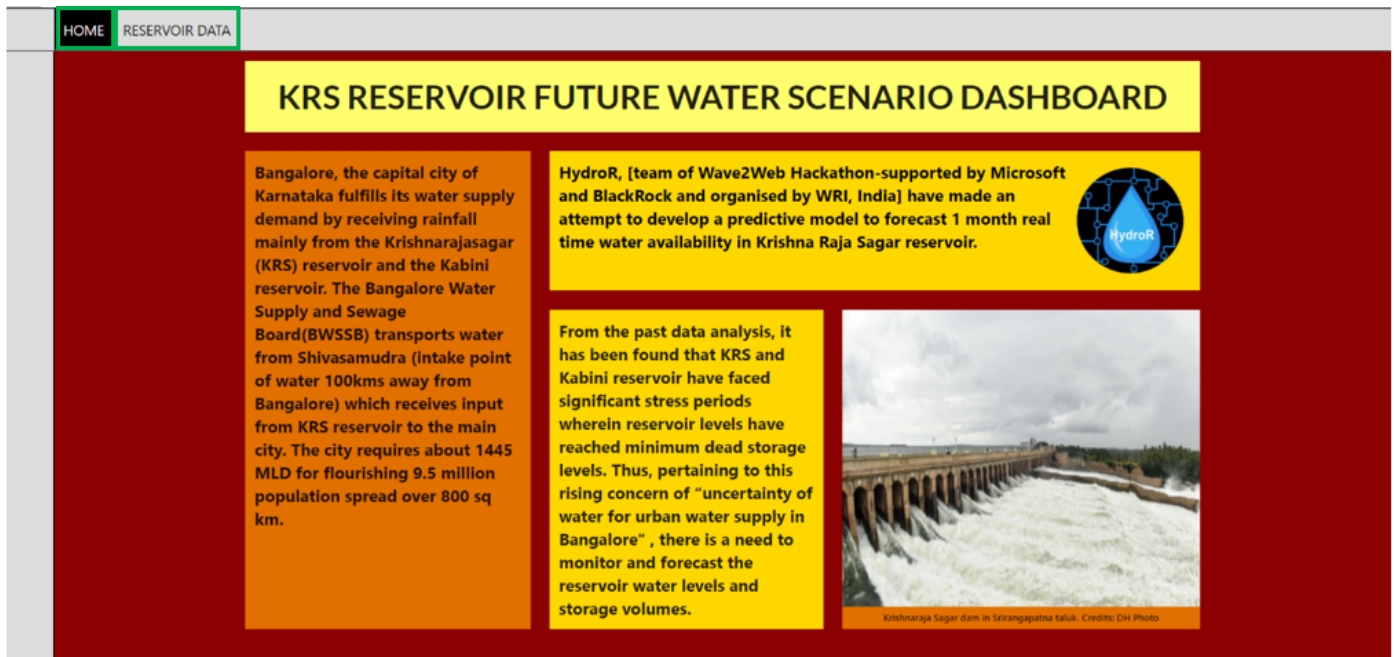
<https://reservoir-data.netlify.app/>

4. NAVIGATING THE DASHBOARD

After clicking on the URL provided the user lands up on the home page of the dashboard

4.1 'HOME' TAB

The 'HOME' tab provides user guide description about the overview of Bangalore city water supply scenario and problems and HydroR's approach to handle it.

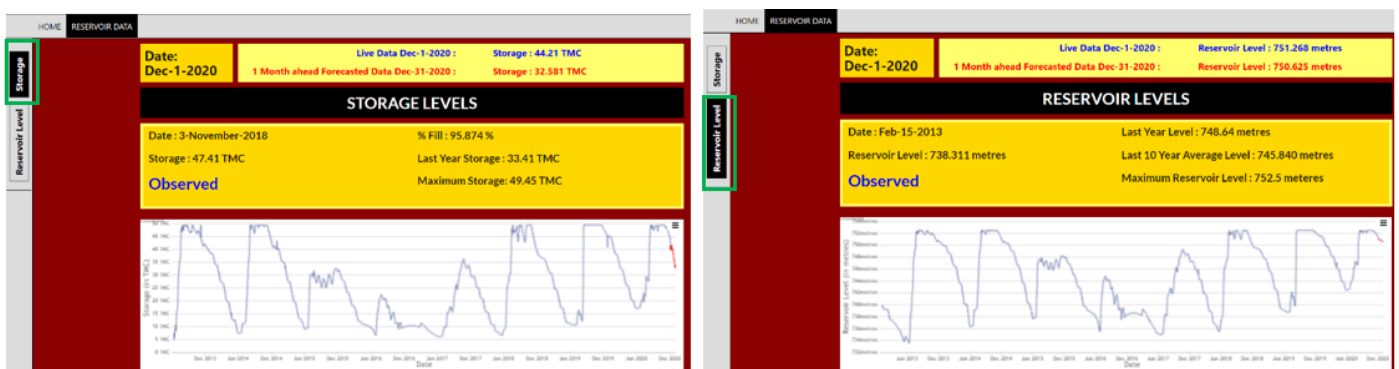


The user can switch between 'HOME' and 'RESERVOIR DATA' tab.

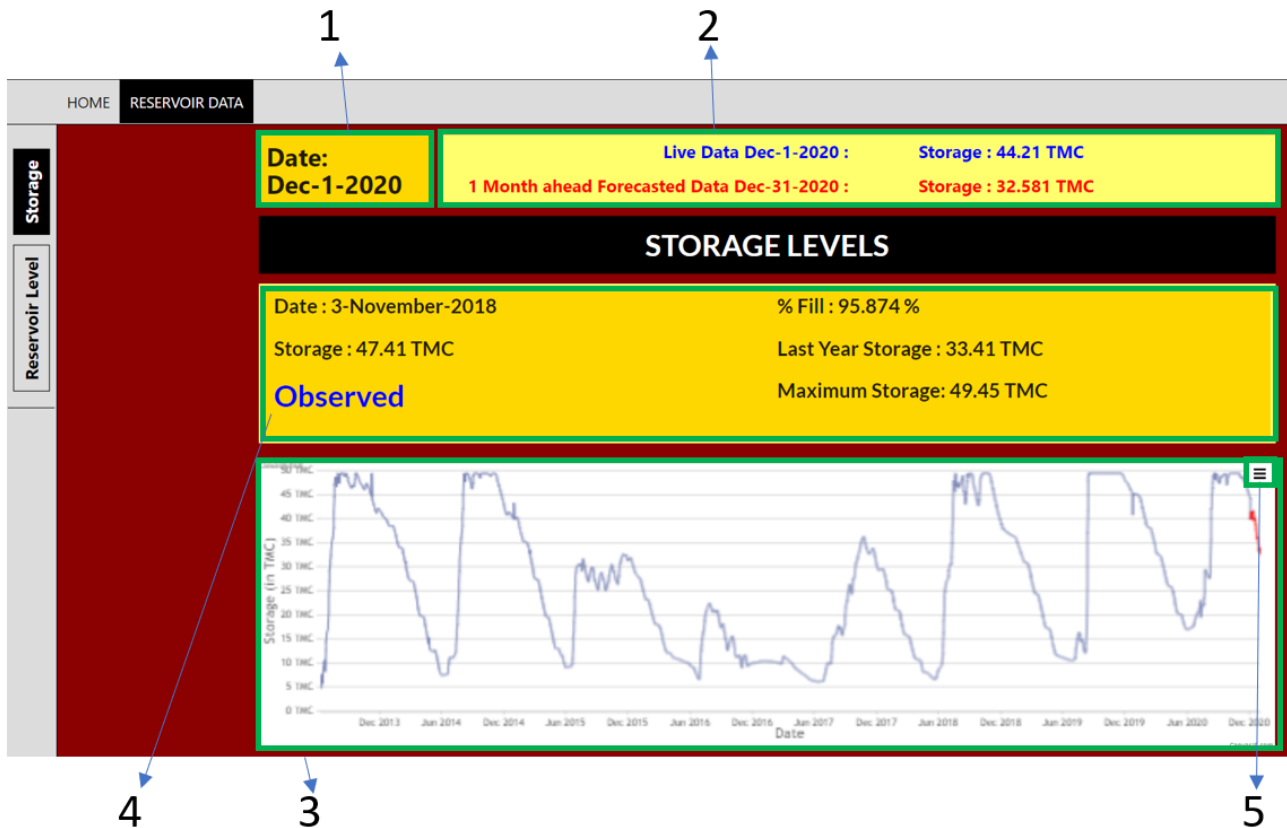
4.2 'RESERVOIR DATA' TAB

The 'RESERVOIR DATA' tab provides user with all the information about past, present and forecasted water resource information about the KRS reservoir.

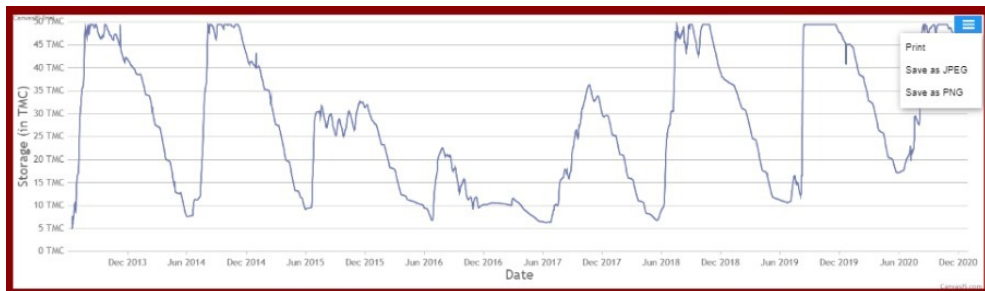
On navigating to 'RESERVOIR DATA' tab the users gets option to switch between 'STORAGE' and 'RESERVOIR LEVELS'.



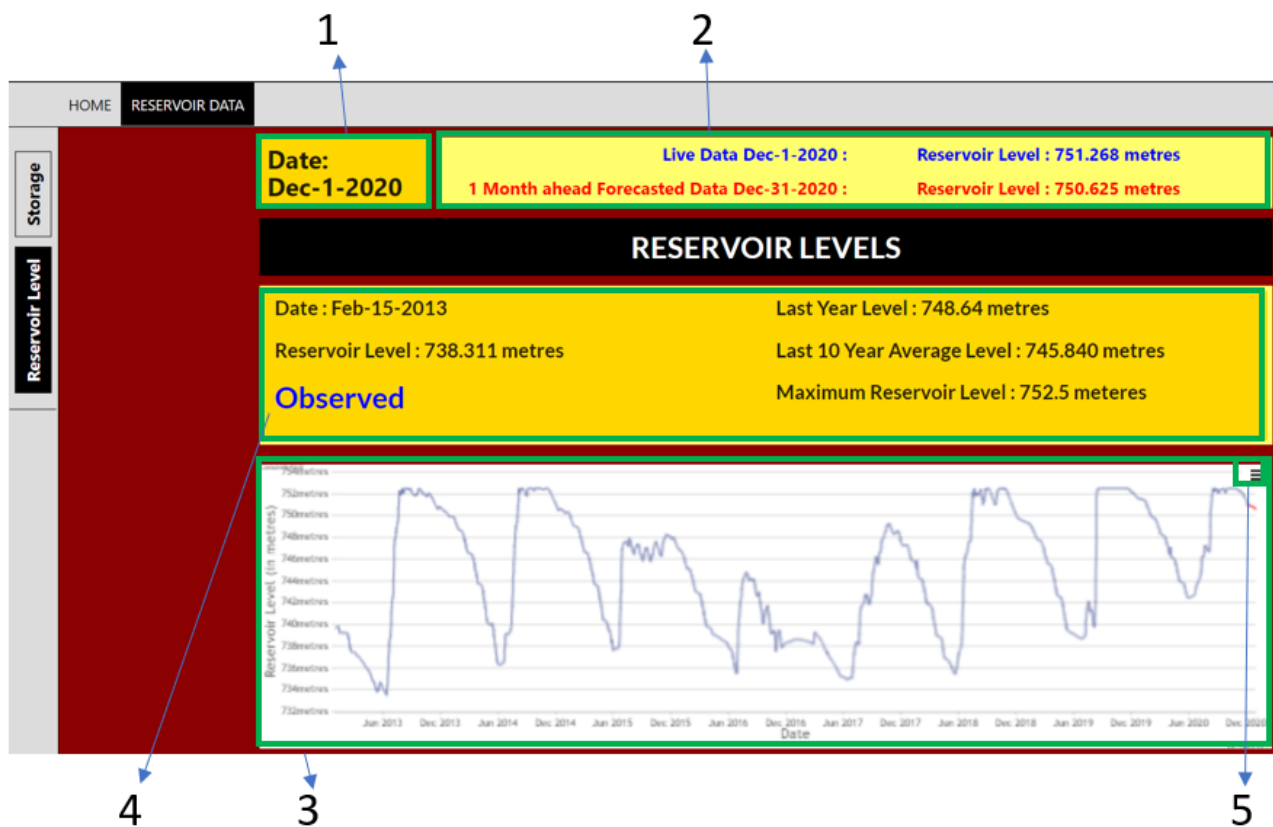
4.2.1 'STORAGE' TAB



1. Shows the current date
2. Shows the live storage for current date and 1-month ahead forecasted storage in TMC
3. Graph between the Storage (TMC) plotted against the date.
User can hover and click on graph using the cursor on any given date and storage data for that date displayed in '4'.
4. Shows the following Storage data for the selected date:
 - a) Date : selected date
 - b) Storage: Live storage on that day in TMC
 - c) If the selected date storage is observed or forecasted
 - d)%Fill : Volume percentage of the reservoir filled on that day.
 - e)Last year storage: Gives the storage on same day previous year in TMC.
 - f)Maximum storage: Gives maximum storage capacity of reservoir in TMC.
5. The tab gives the user the option to export the storage v/s date graph in PNG or JPEG format or print it.



4.2.2 'RESERVOIR LEVEL' TAB



1. Shows the current date
2. Shows the live reservoir levels for current date and 1-month ahead forecasted reservoir levels in meters.
3. Graph between the Reservoir levels (meters) plotted against the date.

User can hover and click on graph using the cursor on any given date and reservoir level data for that date displayed in '4'.

4. Shows the following Reservoir level data for the selected date:

- a) Date : selected date
- b) Reservoir level: Live reservoir level on that day in meters
- c) If the selected date reservoir level is observed or forecasted
- d) Last year level: Gives the reservoir level on same day previous year in meters.
- e) Last 10 year average level: Gives average reservoir level for past 10 years in meters for selected date.
- f) Maximum reservoir level: Gives full reservoir level in meters.

5. The tab gives the user the option to export the reservoir level v/s date graph in PNG or JPEG format or print it.

