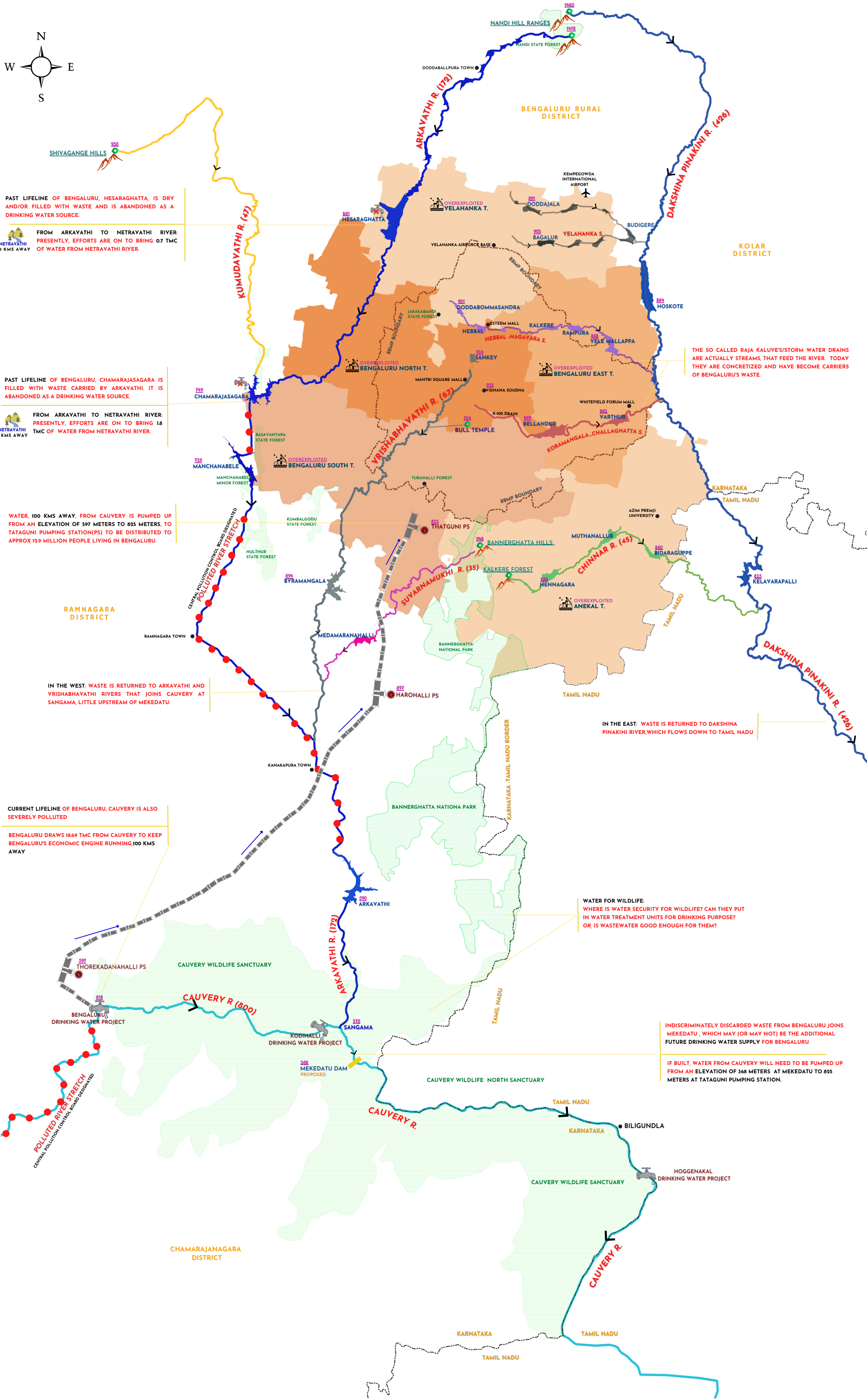
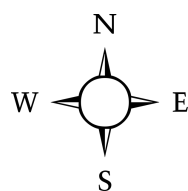




The objective of this map is to bring perspective on the *use and abuse* of rivers. Waste flows in natural river corridors without exception and water in man-made pipelines. Both devoid of life, flow in opposite directions. The situation is especially stark for the rivers passing through the district, Vrishabhavathi, Arkavathi, Dakshina Pinakini, Chinnar, Suvarnamukhi, as they are already converted into drains. Cauvery, the current drinking water source, is not spared either. Heavily polluted and altered, the river is in a dire state.



LEGEND

- RIVER ORIGIN
- HILLS NEAR THE ORIGIN OF THE RIVERS
- RIVER LENGTH IN KMS
- ELEVATION IN METERS
- RIVER/STREAM FLOW DIRECTION
- FLOW DIRECTION OF PIPED WATER
- LANDMARKS
- CENTRAL GROUND WATER BOARD'S DESIGNATED STATUS OVEREXPLOITED (Withdrawal is faster than recharge)
- DRINKING WATER PROJECTS
- NOT USED FOR DRINKING WATER ANYMORE
- PIPELINE FOR BRINGING CAUVERY WATER TO BANGALORE
- PIPED WATER PUMPING STATIONS
- RIVER & STREAM LINES
- RESERVOIRS/LAKES
- THE DIFFERENT SHADES OF ORANGE REPRESENTS THE 5 TALUKS
- THE DOTTED LINE REPRESENTS IN THE BBMP AREA
- STATE FORESTS AND PROTECTED AREAS
- CENTRAL POLLUTION CONTROL BOARD DESIGNATED POLLUTED RIVER STRETCHES

REFERENCES

- European Commission, Joint Research Centre (JRC). 2018. GH5 built-up grid, derived from Landsat, multitemporal (1975-1990-2000-2014). R2018A. [Link](#).
- Climate Hazards Center, University of California, Santa Barbara. 2014. A quasi-global precipitation time series for drought monitoring: U.S. Geological Survey Data Series 832. [Link](#).
- The Hindu, 02 Nov 2016, Hesarghatta, T.G Halli reservoirs getting ready for Yettinahole water. [Link](#).
- Government of Karnataka, Demographic profile of Bangalore Urban District. [Link](#).
- Bangalore Development Authority, Government of Karnataka. Revised Master Plan for Bengaluru-2031(Draft). [Link](#).
- Government of Karnataka, Mar 2021. Economic Survey of Karnataka 2020-21. [Link](#).
- U.S Geological Survey, 1998. Groundwater and Surface Water: A Single Resource. [Link](#).
- Central Ground Water Board, Mar 2020. Dynamic Ground Water Resources of Karnataka, March 2020. [Link](#).
- Bangalore Water Supply and Sewerage Board. [Link](#).
- Indian Institute of Science, Sept. 2017. Rejuvenation Blue Print for Lakes in Vrishabhavathi Valley. [Link](#).
- TamilNadu Water Supply And Drainage Board. [Link](#).
- Rural Drinking Water and Sanitation Department, Ramnagara Division, Ramnagara. 2019. Concept Note. [Link](#).

ABBREVIATIONS

- R. - River
- T. - Taluk
- S. - Stream
- BBMP - Bruhat Bengaluru Mahanagara Palike
- PS. - Pumping Station
- BWSSB - Bangalore Water Supply and Sewerage Board
- TMC - Thousand Million Cubic-feet / year

CITATION:

PAANI.EARTH. APR 2022. RIVERS OF BENGALURU

Like all our maps, this is built to scale using GIS, a Free and Open-Source Geographic Information System. Geo-spatial data on administrative and forest boundaries is from Karnataka State Remote Sensing Application Centre's (KRSRSC) Karnataka Geographic Information System (K-GIS). We have also referred to Survey of India Toposheets, [Indiawis.gov.in](#), [bhuvan.nrsc.gov.in](#) along with google earth engine's JRC Global Surface Water Mapping Layers for validating hydrology. While most datapoints are from government reports, the rainfall and population are from Google earth engine datasets. Most important is ground truthing, that allowed us to understand the nature and magnitude of human activities.