

Water bodies in Kolhapur district

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Methodology

- The data required for mapping the water bodies / water resources was taken from following resources. These resources are part of some governmental bodies resides only inside India:
 - Maharashtra State Water Resource department:
<https://d1z8le3pdnub92.cloudfront.net/app/0.0.49/#/?MenuID=1233>
 - Bhuvan 2D: [ISRO's Geoportal | Gateway to Indian Earth Observation | 2D Viewer \(nrsc.gov.in\)](#)
- Following steps were conducted during preparing a GIS map. Please note that, these are general steps followed during creating every map submitted:
 - Step 1: The data is essential part of map. During the first step, data was collected from proposed online resources in form of co-ordinates and textual data.
 - Step 2: QuickMapService is a service available in QGIS open-source software. These standard maps of earth were used as a support for properly mapping the content. Special care was taken during mapping each item on list.
 - Step 3: The map was exported as a JPG image from software for selected layers on map.
 - Step 4: The map was later converted as a submission using PowerPoint 2016 office software for better understanding.
- Following were the complexities involved in generating the map
 - We were not able to measure the depth of a water resource in each location that's why small lakes are also mapped as a part of water resource.

Applications of map

- By taking look at given map, we can find out that Kolhapur district contains several water resources that are either used by local government or district administrators, public and commercial plants.
- Most of water resources are found at non-urban areas.