

Kirloskar farm

Hydrogeological input to augment groundwater
by implementing recharge measures and
recommendations for rainwater harvesting.

As part of Bhujal Abhiyan and ACWADAM's partnership regarding building Groundwater Literacy through public participation in Pune city.



Site Location

Chandani Chowk

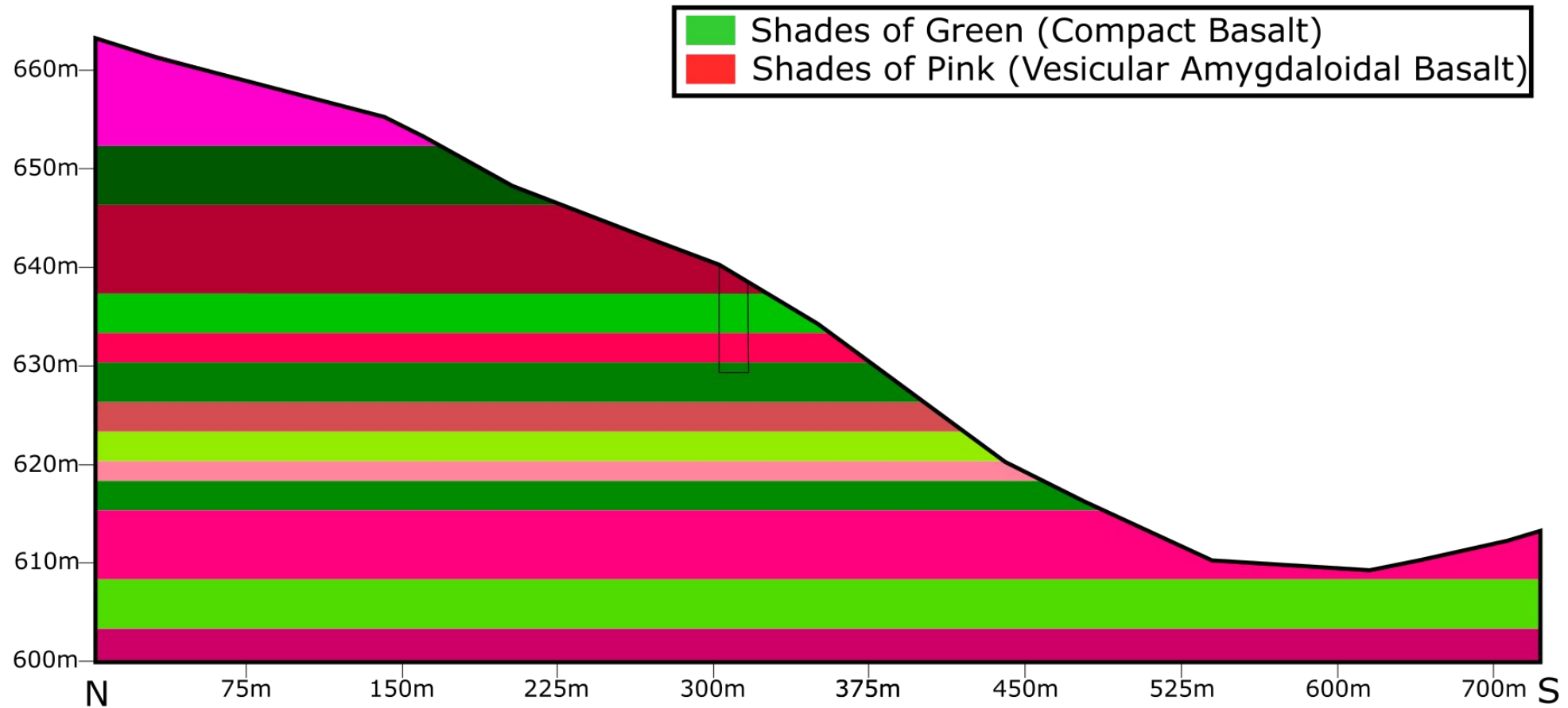
Bhalsari C



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Google Earth

Kirloskar NDA farm geological cross section



Note: The different basalt units mapped within the study area correspond to specific elevation contours, although local undulations within a range of 2 - 3 m do exist.

Preferable location for rainwater harvesting in Dug well





Image © 2021 Maxar Technologies

Google Earth

Geology map of farm area



Legend

-  Compact basalt (CB)
-  Vesicular amygdaloidal basalt (VAB)




100 m

Recharge interventions map



Legend

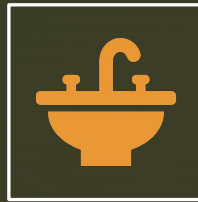
-  Areas for recharge interventions

100 m

Recommendations



The suggested location to excavate the dug well will serve rainwater harvesting purposes.



Rainwater harvesting for a bore well near the caretaker's house must be done.



Filtration media will be needed for rainwater harvesting at Dug well and bore well site to avoid contaminants entering the borewell and dug well.



Infiltration pits/ CCTs can be constructed at suggested locations that will help to induce recharge.