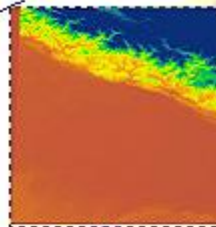


# APPLICATION OF SWAT TO INITIAL STRETCH OF GANGA CATCHMENT

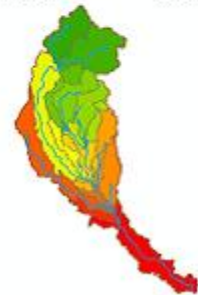
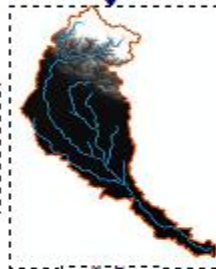
INDIA MAP SHOWING LOCATION



RAW DEM DATA



WATERSHED EXTRACTED FROM SHAPE FILE



DELINEATED WATERSHED SHOWING  
• SUB BASINS

- BY KAUSHIKA G S ,M TECH  
HYDRAULICS  
IIT ROORKEE

• THE WATERSHED ANALYZED HERE IS OF 95000 SQ.KM AREA.

• IT WAS DIVIDED INTO 22 SUB BASINS OF AROUND 5000SQ KM AREA EACH BASED ON THE CONTOURS.

FUTURE WORK INTENDED IN THIS DOMAIN IS THE H R U ANALYSIS USING THE LAND USE LAND COVER AND SOIL DATA

• FURTHER ANALYSIS IS TAKEN CARE OF BASED ON THE CUSTOMIZED REQUIREMENT OF OUTPUT

I WOULD LIKE TO THANK MY GUIDES-DR. CSP OJHA AND

• DR. S K JAIN OF IIT ROORKEE FOR THEIR SUPPORT

REFERENCES:-

- ARC SWAT INTERFACE FOR SWAT2009 USER'S GUIDE
- M.WINCHELL, R. SRINIVASAN, M. DI LUZIO, J. ARNOLD
- AUGUST, 2010

- RAW DEM DATA GOT FROM THE WEB
- The Ganga basin has a direct or indirect influence on the country's overall growth. The analysis of the Ganga basin gives an idea of the improvements and management of resources in the basin.
- The SWAT model is an effective tool in the ArcGIS interface. It analyses the basin initially based on the elevations or the digital elevation model as available on the web.
- The delineation of the watershed or the identification of streams and sub-basins is done and presented here