



Map Description and Analysis

Introduction:

Rudraprayag District is spread over 1,984 sq. km and has river Alaknanda and Mandakini. District has 3 talukas and 3 blocks. The area experiences immediate effect of climate change, including landslides due to heavy rainfall in the foothills, floods due to antecedent rivers, forest fires in the conifers woods (oak and pine).

River/Streams: Mandakini- Alkapuri glacier, Alaknanda- Charbari glacier and Vasuki Ganga-Vasuki Tal form major rivers. Mandakini and Alaknanda meet at Rudraprayag city.

Forest Fire: 1,803 sq. km area of District covers forest. Of various Forest type Subtropical pine tree leaves are responsible for forest fires. Major forest fire points are under south-west, west and east regions. Fire station are only available in Rudraprayag city.

Road Network: Road Network Spread over 1374 kms. Consists of NH-7, NH-58, NH-107 and State Highways.

Land Degradation: Major cause of Land Degradation is due to water erosion, and Frost heaving in 22,483 ha of land.

Team Name: Bhumi

Topic: Land Degradation

Team Members: Ajay, Varada, Yashu

Organisation:

Indian Institute of Technology Bombay

Contact/Email:

ajaypanwar846@gmail.com
yashuchaudharyid@gmail.com
varada.ranjane7@gmail.com