

MAP DESCRIPTION AND ANALYSIS

INTRODUCTION

Assam is one of the states of India which is affected by floods every year. This map shows the annual inundation layers of Assam from the year 1998 to 2010 and the resultant flood hazard areas formed by the blending of the layers. Some districts of Assam, including Dima Hasao, Karbi Anglong, Baksa and Udalguri, are less affected than the others. The majorly flood affected districts of Assam are also shown in this map. The river causing the flood is river Brahmaputra.

METHODOLOGY

ISRO DATA USED:-

-BHUVAN:-

-THEMATIC SERVICES: Flood Annual Layers of the state of Assam for the years

1998	2004
1999	2005
2000	2006
2001	2007
2002	2008
2003	2009
2010	

- Map of India, States and Districts
- Map of Rivers of India

-VEDAS:-

-Information-Used to determine the majorly affected districts of Assam.

-NSEDRA:-

-MAPS- Used to locate and name the districts in Assam.

COMPLEXITIES:-

-Combining of 17 different layers and adjusting the style for it to blend into each other.

-determining the major districts and labeling them using the labeling tool and styling them too.

USES AND APPLICATIONS

-The map can be used to predict the flood hazard of Assam.

-The hazardous districts can be accessed
-The application of this map is in disaster management. It can be used to take precautionary measures well in advance.

-As it is a map made from a wide range of years, it can be quite accurate.

-The pattern of the flood hazardous areas can be noted for further applications.