

National Wetland Inventory & Assessment (NWIA) Project

Objectives:

To generate a wetland inventory of the state of U.P. on 1:50,000 scale using latest IRS LISS-III satellite data, create a digital database of wetlands as per NNRMS standards and development of query shell for information retrieval.

Study Area:

Entire state of Uttar Pradesh

Brief Description of the project:

This is the first scientific state level inventory of wetlands on large scale sponsored by Space Applications Centre (SAC), Ahmedabad. Under this project various wetlands categories of U.P. in pre-monsoon and post monsoon seasons were digitized and codified as per the standards codification procedure. For this purpose post monsoon data (IRS-P6 LISS-III) of Oct. & Nov., 2006 and pre monsoon data (IRS-P6 LISS-III) of April/May, 2007 were used for on-screen digitization of wetlands and generate a spatial database in GIS environment using WGS-84 datum. Different types of man-made and natural wetlands have been identified for both pre monsoon and post monsoon water spread areas, including aquatic vegetation and turbidity levels.

Funding Agency:

Space Applications Centre (SAC), Ahmedabad, Govt. of India

Duration of Study:

December 2007 to March 2009.

Project Personnel:

Dr. T.S.Kachhwaha, Head-FRED & Project Manager

Other Team members: Dr. V.Rajamani, Dr. S.Ravi Prakash, Dr. P.Kunwar, Dr. Anil Kumar, Sri Amit Sinha & Sri Sudhakar Shukla.