

# Global Irrigated Area Mapping

## Overview of Ground Truth Data on this CD for Ganges Basin

### Description:

The Ganges basin ground truth data was gathered from Oct. 2-Oct. 22, 2003. The goal was to identify land use/land cover (LULC) and irrigated areas in the Ganges basin for the continuous streams (8-day interval) of MODIS data.

The team consisted of Mitchell Schull (IWMI), Prasad Thenkabail (IWMI), Mahindra Singh (ICAR), Dr. Suraj Pandey (ICAR), and Mr. Naresh (driver). A total of over 8000 kilometers was covered during the field work. The data collected includes (see appropriate directories and sub-directories within this CD):

- GPS coordinates: WGS 84 datum. Latitude, Longitude and UTM coordinate system.
- land use/land cover (LULC) classes (level I, II, III Anderson approach)
- Land cover types (percentages of trees, shrubs, grasses, and so on)
- Cropping pattern for khariff, rabi, and summer
- Crop calendar for khariff, rabi, summer
- Crop types for khariff, rabi, summer
- Digital photos at every ground truth location and
- Other demonstration photos.

### Also

- Detailed observations marked on topographic maps (hard copies, not on this CD)

The data are in different directories and sub-directories which you should access after reading the readme file within each directory.

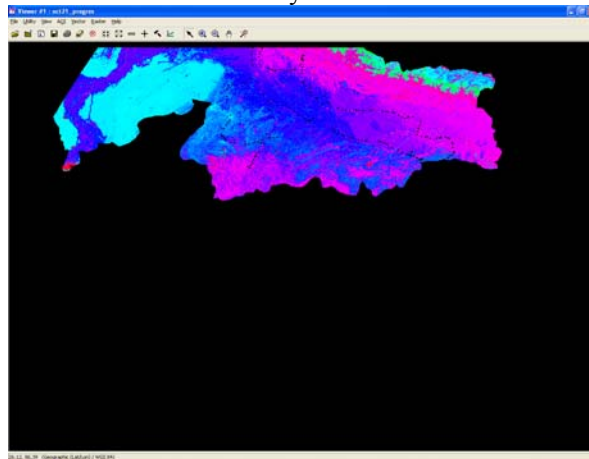


Figure 1. LULC class spectral image of Ganges and Indus basins with ground truth locations (black dots).