Abstract: The main functions of the Wildlife Sanctuary are to conserve forest ecosystem and to maintain a rich wildlife habitat species. Remotely sensed data provides the updated information on the change and dynamics of the Sanctuary. The objective of this study is to periodically monitor the forest change and to identify the plant community in the sanctuary. Aerial photo acquired in 1976, Landsat data in 1995 and 2005 were used to produce the land use patterns and their changes. The field investigation was conducted to inventory the community plant and sub-community of forest types including profile diagrams. In addition the GIS database of land use pattern was established for the years 1976, 1995 and 2005. Further analysis was digitally performed to create the change detection maps. The results obtained indicate a significant change of forest area between 1976-1995 and 1995-2005. The forest types and the plant community were identified with intensive plot...