

MAC-URISA Abstract

Title: Monitoring Land Use Change in an Urban/ Brownfield Landscape Using ArcIMS

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TITLE: MONITORING LAND USE CHANGE IN AN URBAN/ BROWNFIELD LANDSCAPE USING ARCIMS

The Meadowlands District is a political subdivision of the State of New Jersey. It is charged with promoting economic development and preserving and enhancing the environment within its 32-square mile jurisdiction, which encompasses parts of fourteen (14) municipalities in Bergen and Hudson Counties. USEPA through its Brownfields Program has funded the Paterson Plank Road Pilot to assess the impact of brownfields in the Hackensack Meadowlands District. This area is located in the Boroughs of Carlstadt and East Rutherford, and consists of 148 properties totaling about 210 acres. Uses in the area include manufacturing, vehicle and truck repair, radio station facilities, and various other industrial-type uses. Activities of the Paterson Plank project include the completion of an initial investigation of the area, interaction with property owners and potential developers to assess the area, and public hearings and outreach sessions. It also includes the creation of an Interactive Mapping Application which is hosted by the New Jersey Meadowlands Commission – Meadowlands Environmental Research Institute (NJMC-MERI). An important component is to effectively communicate relevant parcel information about this area to the public. We use a state-of-the-art Internet Mapping Application with a novice user interface design approach, to make complex brownfields information available to the public. This presentation demonstrates some new user interface designed with the novice/ inexperienced user in mind.