



Mapping for an accessible world



**Master Planning to counter urban sprawl
using geo spatial data base**

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Introduction



Geomatics Solutions

GIS Solutions
Photogrammetry and Remote Sensing
CAD Solutions
GIS Application Development



Software Solutions

Custom Software Development
Hospitality Solutions
Embedded Solutions
Networking Solutions



Graphics Solutions

Graphics Design
Panorama and Virtual Tools
Multimedia and Animation
Digital Image Editing



Business Process Outsourcing

Financial & Accounting Solutions
Genealogy Solutions
Document Management Solutions
KPO and Research

Input & Study area

Input

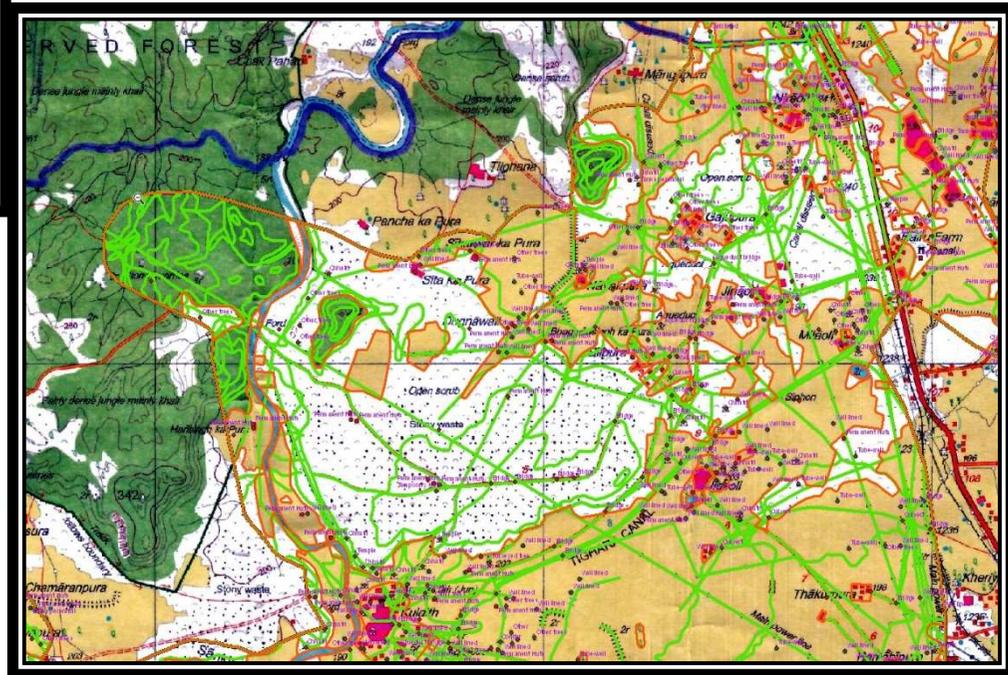
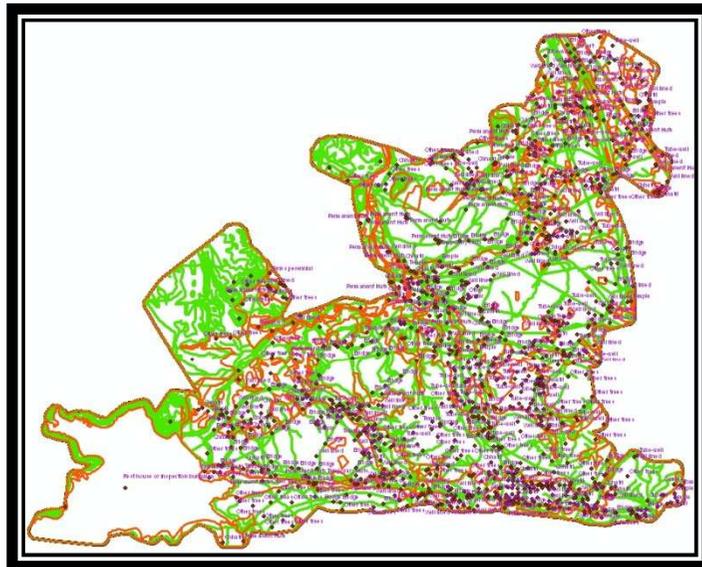
SOI toposheets on 1:50,000 scale

Geo Eye Satellite images with 0.5m resolutions

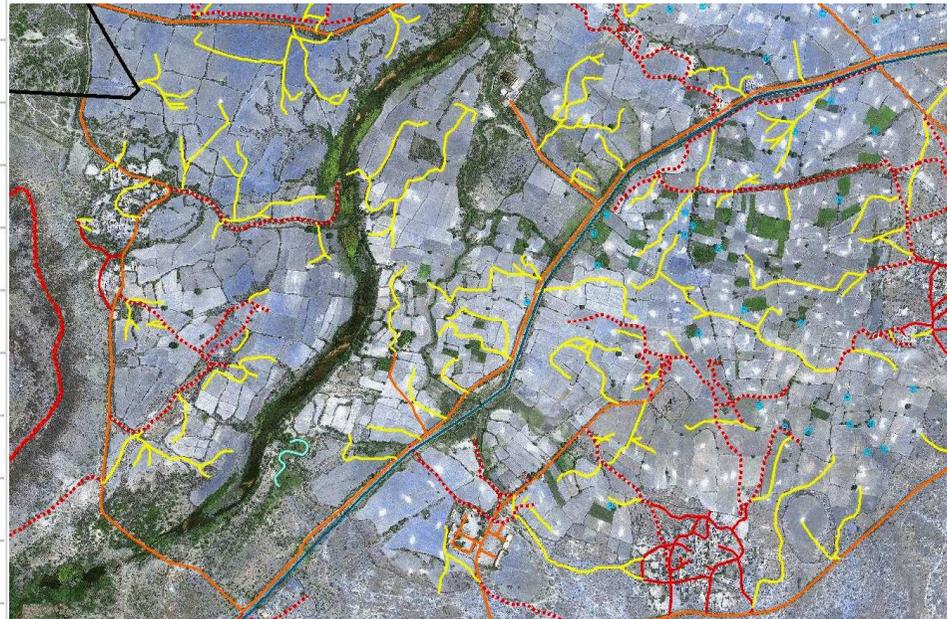
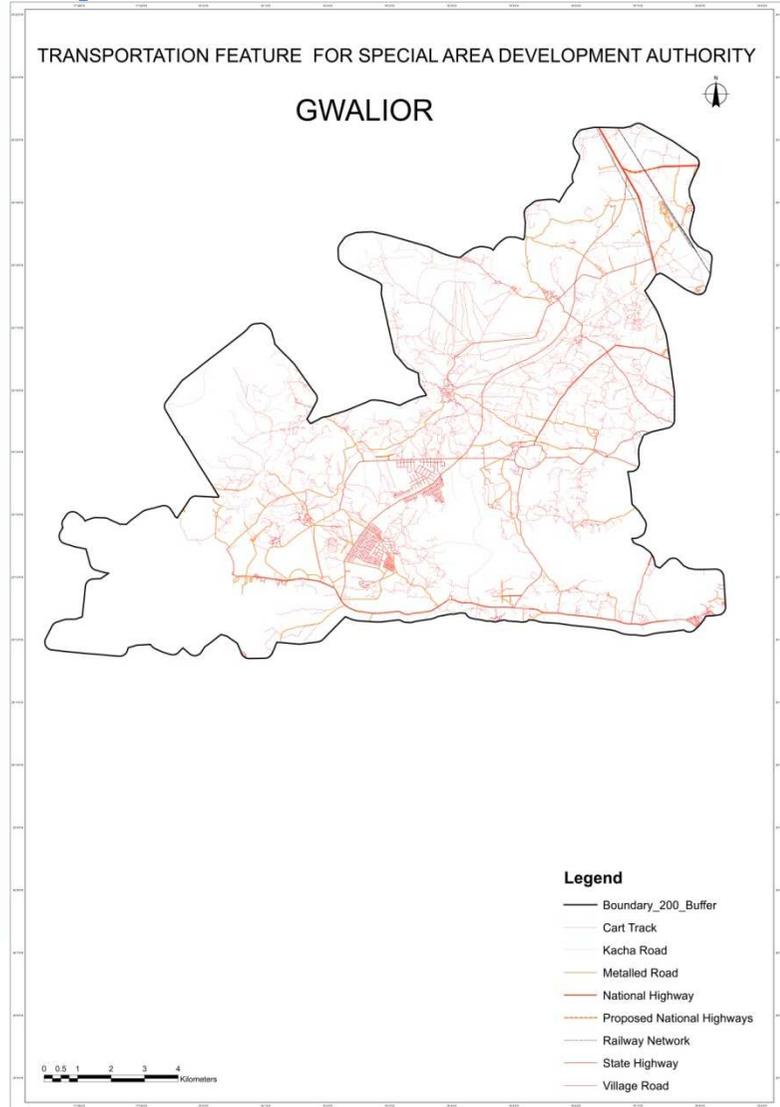
Study area

30,000 ha and expandable to 75,000 ha adjacent to
Gwalior

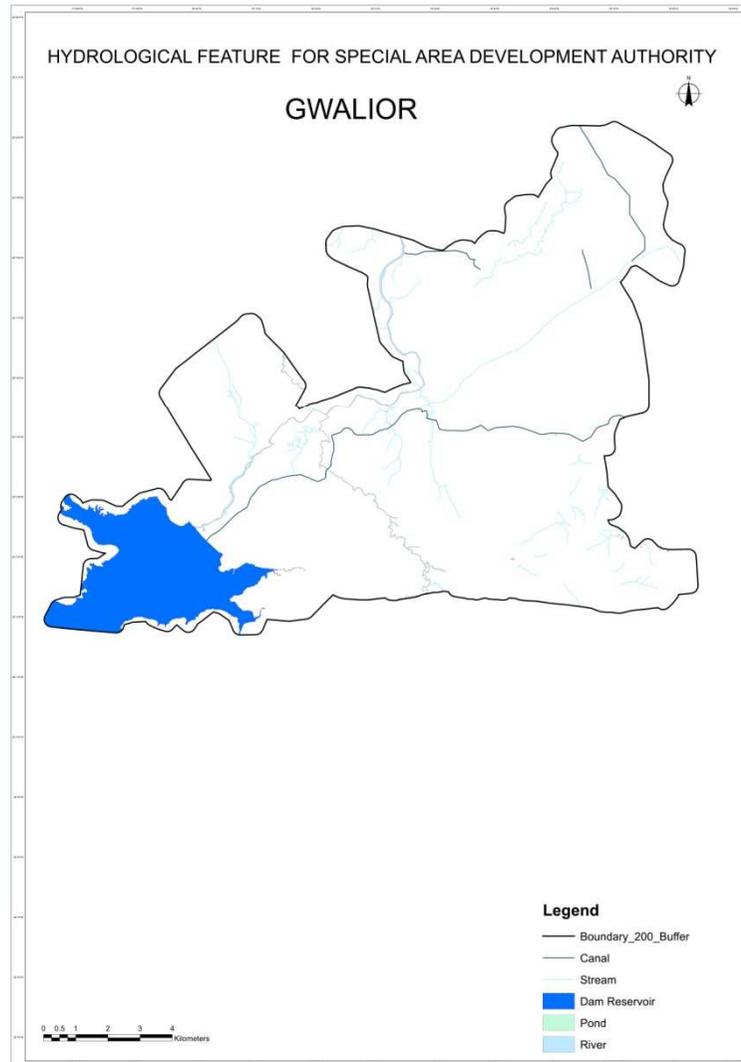
Layers extracted from Survey of India toposheets



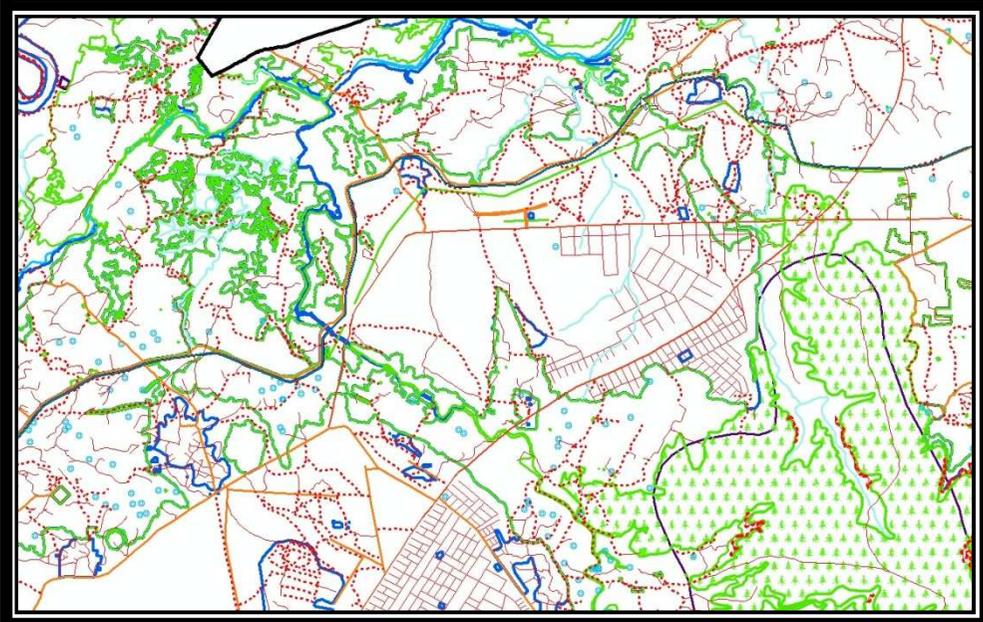
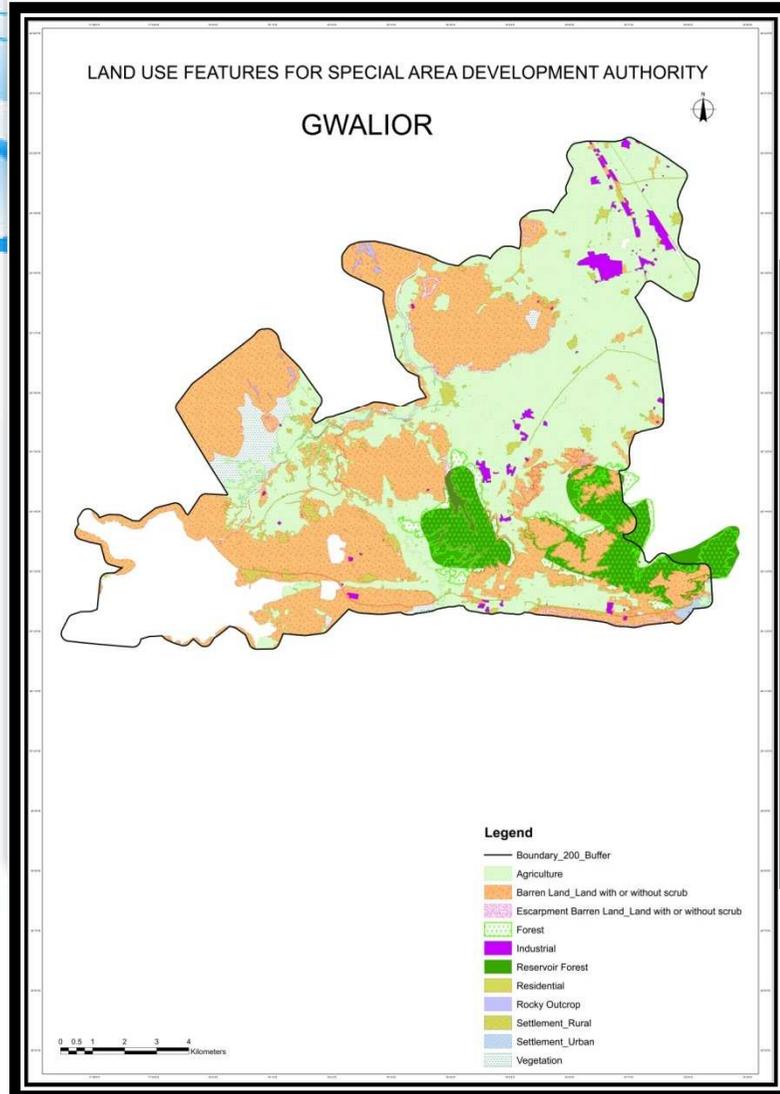
Layers extracted from Satellite Images-Transportation



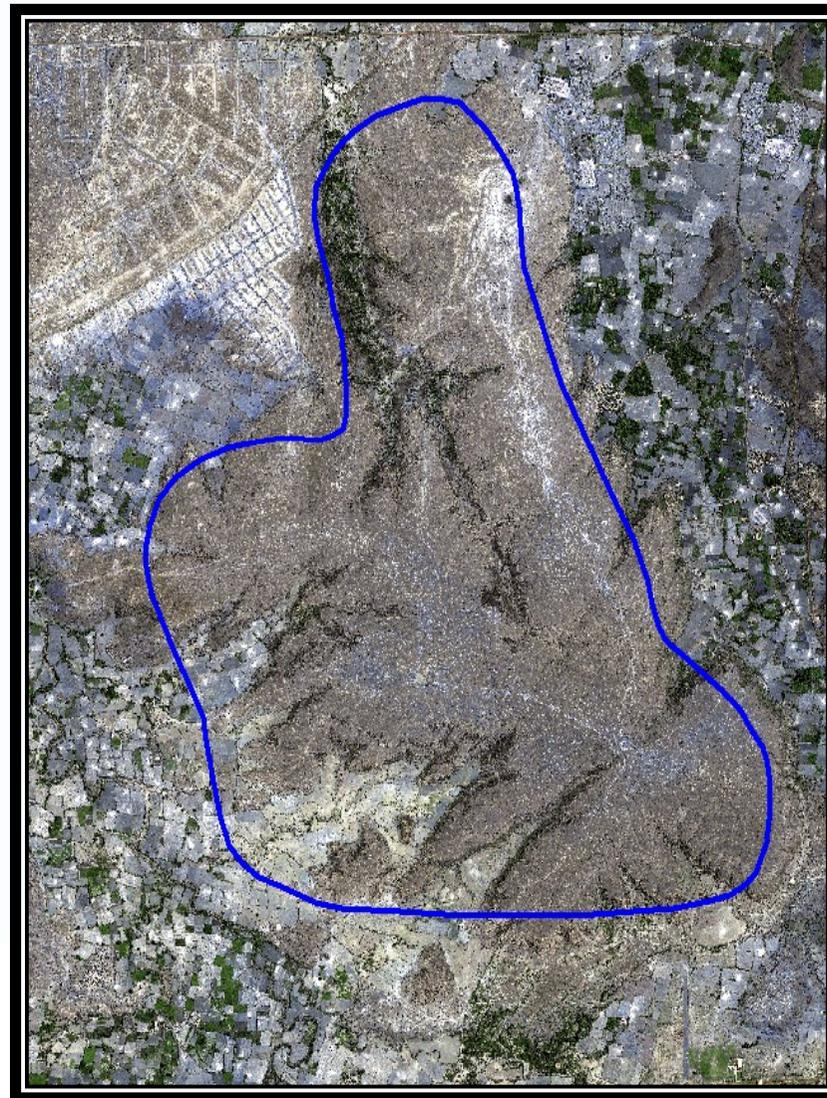
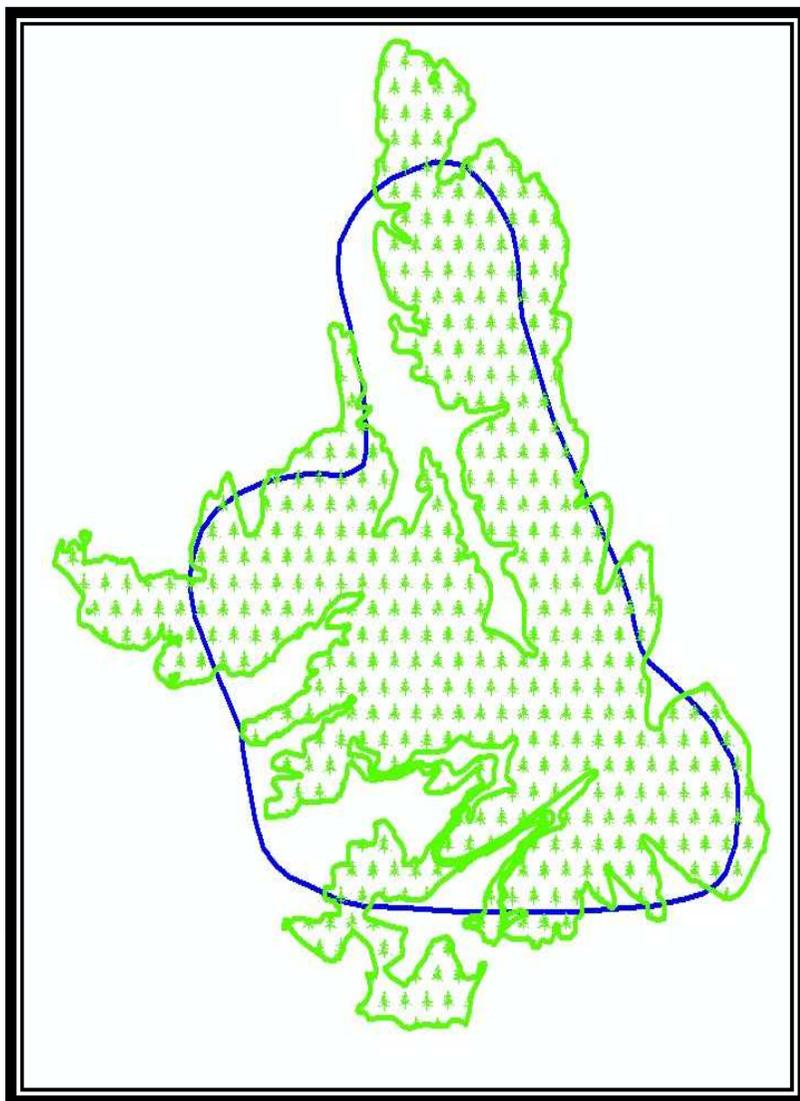
Layers extracted from Satellite Images-Hydrological Layers



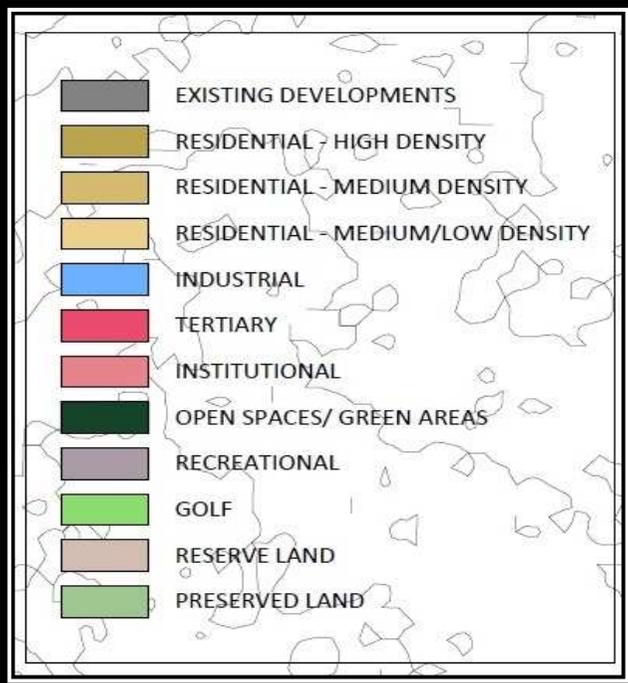
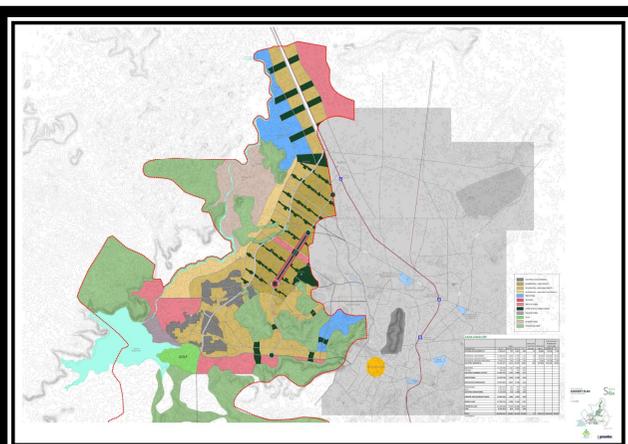
Layers extracted from Satellite Images-Land Use layers



Challenges faced



Concept Master Plan



Salient Results

- Largest Master Planning exercise in India with 30,000ha of land and expanding to 75,000ha
- Large amount of available barren land
- A robust geo data base of existing land use
- Master plan zoning for residential, recreational, industrial, utilities etc
- New transportation logistics (road, rail, airport) and ICD planned
- Data base for a 20 year master plan
- Intended to de-magnet polulation from major urban centers

Thank You