

GIPSY

geographical information processing system

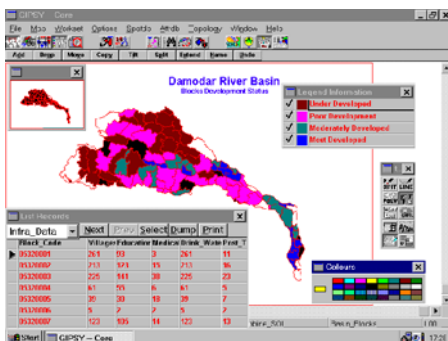
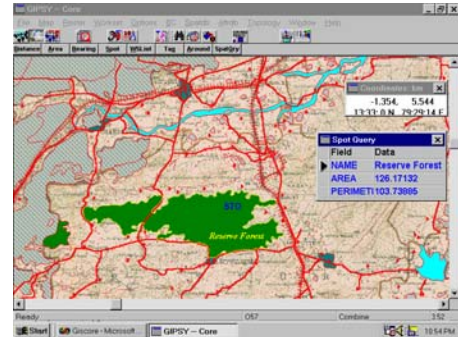
GIPSY is a geographic information system product running on Intel platforms under Windows and Linux. It offers 2D and 3D geographic data processing functionality through an easy-to-use, intuitive GUI. *GIPSY* is available with an rdbms interface and provides seamless integration between spatial and attribute data.

Geographic Database

- Vector, raster and 3D data
- Layered vector maps: point, line, polygon, text
- RDBMS for geographic data
- Data Gateway: native binary & ASCII, DVD, shape, Arc/Info ungenerated, DGN, TIFF
- Maintenance: copy, rename, delete
- Access control: user ID and password

Geo-coded Data: Earth Projection

- Multiple earth projections (Polyconic, LCC, UTM)
- Multiple ellipsoids: Everest, Modified Everest, WGS84,...; datum conversions
- Geo-reference raster and vector layers
- Multiple geo-coded maps: dynamic mosaicing



System Requirements

Platform: Intel Pentium systems
OS: Windows NT, 2000, XP, 98;
Red Hat Linux
RDBMS: Oracle 9i, Integra 4,
PostgreSQL
GPS: NMEA 0183 compatible

Others

- 3D Data: TIN and mesh models, multiple interpolation methods, compute Z, slope, aspect, surface distance, visibility, profile, 3D views
- Network Analysis: path finding, weighted paths
- GPS: data source, navigation
- Easy to use, intuitive GUI: icons, menus, dialogs
- Product customization services

Map Display

- Zoom: by levels, area, scale; pan & scroll
- Show/hide map layers: vector and raster
- Enable/disable vector layer features, text
- Map rotation, by 0 to 360° with or without scaling

Create/Edit Geographic Data

- Create/update vector maps: mouse, keyboard
- Spatial Data: add, move, copy, delete, split, extend, scale, resize and undo
- Attribute data: create, delete, modify columns and records
- Polygon topology
- Symbolize and annotate vector layers
- Layer extract, map transform

Geographic Data Queries

- Measurement: location, distance, bearing, area, perimeter and attribute data aggregate functions
- Spot query, radial query, multi-feature query
- Browse attribute data: selection filter condition
- Locate spatial data: position, attribute data

Contact:

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