

21st CENTURY



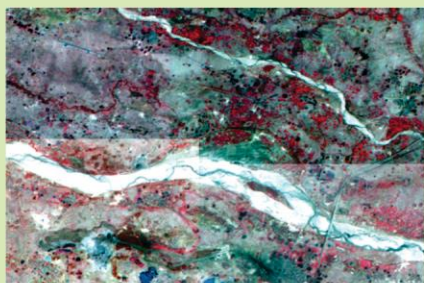
PREMIUM

REMOTE SENSING
& **GIS** SOFTWARE

THE PREMIUM SOFTWARE FOR REMOTE SENSING,

REMOTE SENSING & IMAGE ANALYSIS

21stCenturyGIS simplifies image processing and interpretation, while maintaining integrity of geo-spatial data.



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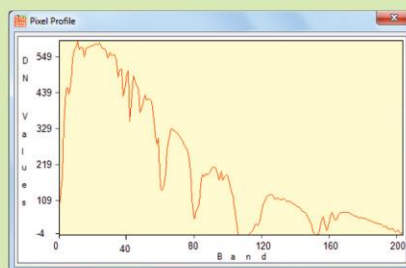


■ PROCESSING

Pixel Profile, Band Combination, Spectral Profile, Spectral Plot, Inquire Cursor, Opacity, Swipe, Pixel Chart & Histogram Manipulation.

■ PREPARATION

Projection, Pan Merge, Mosaic, Subset, Resize & False Colour Composite.



PAN MERGE

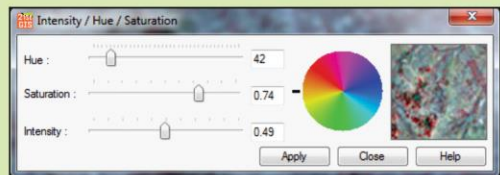
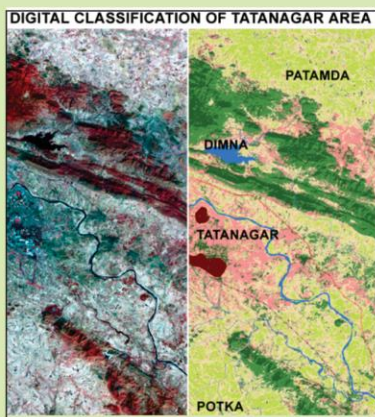


GIS, TERRAIN ANALYSIS & SUB-SURFACE MAPPING

REMOTE SENSING & IMAGE ANALYSIS

■ ENHANCEMENT

Spatial Filter, Contrast, Brightness, Colour Transformation, Intensity-Hue-Saturation.



■ CLASSIFICATION

Unsupervised & Supervised, Signature Editor, Attribute Manager, Accuracy Assessment and Class Refinement with the help of ancillary data.

■ INTERPRETATION

- Ratio Vegetation Index
- Normalized Differential Vegetation Index
- Soil-Adjusted Vegetation Index
- Transformed Vegetation Index
- Iron Oxide, Clay Minerals, Mineral Composite, Hydrothermal Composite
- Change Detection.

A screenshot of the "Attribute Manager" dialog box. It contains a table with the following data:

Visible	Colour	Class Name	Count
<input checked="" type="checkbox"/>	[Pink]	SETTLEMENT	1223711
<input checked="" type="checkbox"/>	[Dark Red]	INDUSTRY	2309858
<input checked="" type="checkbox"/>	[Blue]	WATERBODY	921117
<input checked="" type="checkbox"/>	[Yellow]	AGRICULTURAL LAND	116116
<input checked="" type="checkbox"/>	[Green]	FOREST	118827
<input checked="" type="checkbox"/>	[Orange]	BARE SOIL	45955

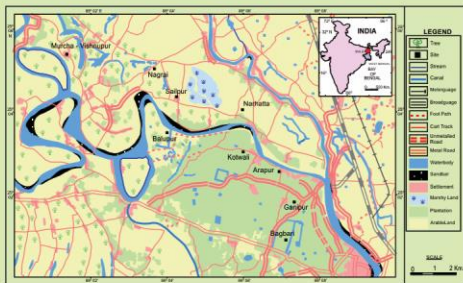
Below the table are buttons for "Merge", "Close", and "Help".

Users will feel right at home with its single window operation

THE PREMIUM SOFTWARE FOR REMOTE SENSING,

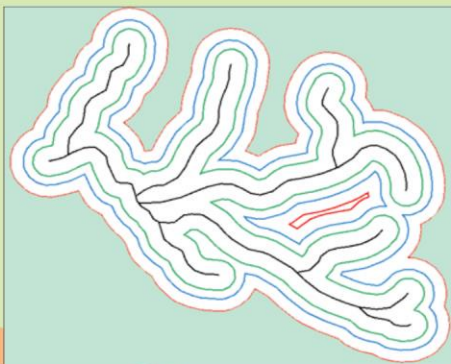
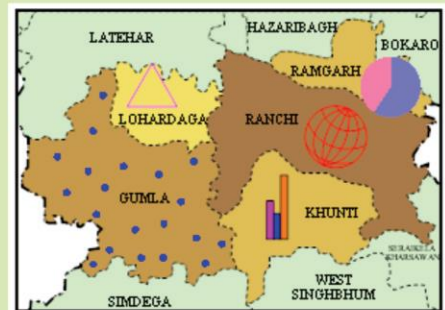
GIS MAPPING & ANALYSIS

21st Century GIS creates map and analyze data in an easy way, understanding geographical relationships and developing decision support.



- Faster digitization tool for high productivity
- Geo-referencing of Raster & Vector
- Vector editing, Clip and Boolean operations

- Input or Import attribute data & Photograph in table for Query & Statistics
- Thematic Map: Choropleth, Chorochromatic, Unique Value, Dot Density, Sphere, Circle, Square, Triangle Diagram

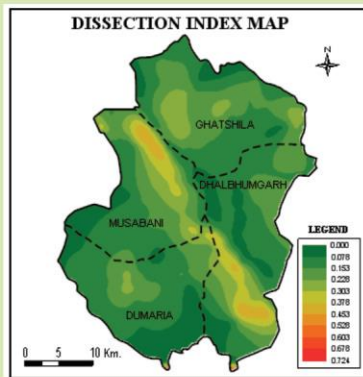
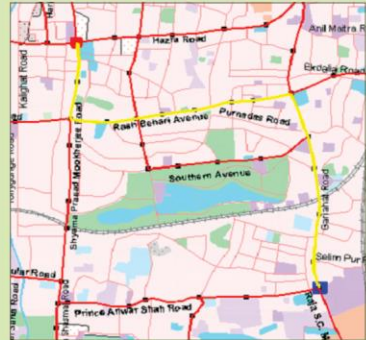


- Preparation of Composite & Stacked Bar, Pie Chart and embedding on map
- Graphical & Statistical Analysis
- Rezoning & Zone Statistics
- Vector Analysis: Buffer, Overlay

GIS, TERRAIN ANALYSIS & SUB-SURFACE MAPPING

GIS MAPPING & ANALYSIS

- Network Analysis: Shortest Path, Closest Facility, Dynamic Segmentation
- Feature Density Analysis
- Morphometric Analysis: Relative Relief, Dissection Index, Ruggedness Index



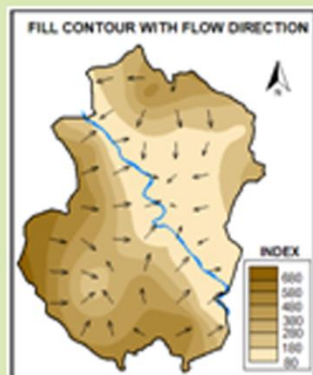
- Geo-coding of Tables
- Plotting of GPS Waypoints & Track lines
- Overlaying maps on Google Earth for comparison and updating.

- Single & Multiple map Layout with Scale bar, Legend, North Arrow, Graticule
- Export map in BMP, JPG, PNG, TIF & WMF format controlling size and resolution
- Print Preview & direct Print



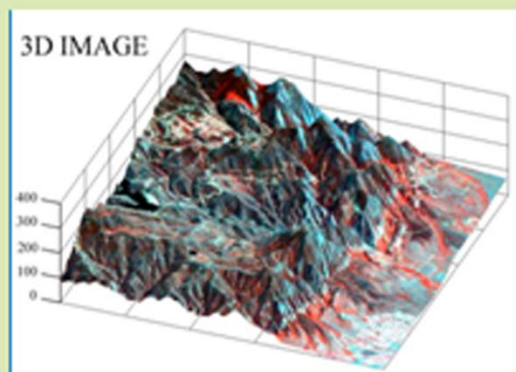
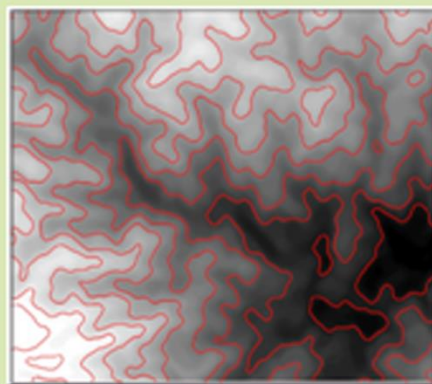
TERRAIN MODELING & VISUALIZATION

21st CenturyGIS quickly and easily converts your Point Data & DEM Raster into outstanding Contours, Flow Direction, Slope map, 3D Image and 3D Wireframe.



- Fill Contour Map from point data
- Flow Direction Map
- Slope Map

- Creation of Digital Elevation Model
- Line Contour Map from DEM
- Long & Cross Profile



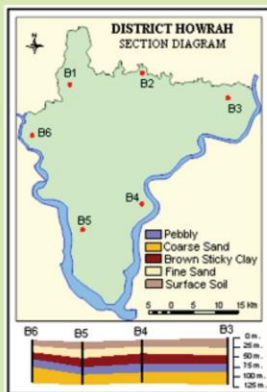
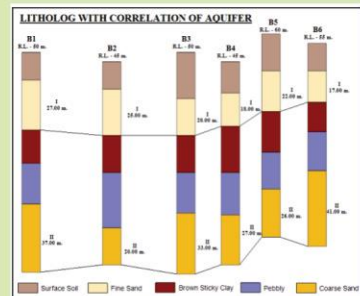
- Creation of 3D Perspective view with Image Drape
- Creation of 3D Wireframe
- Viewing from Different Angles & Elevations

GIS, TERRAIN ANALYSIS & SUB-SURFACE MAPPING

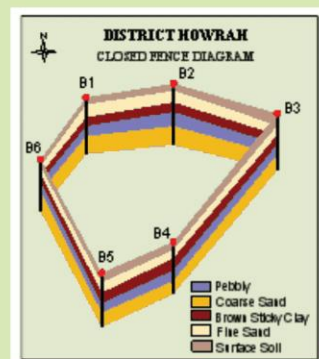
SUB-SURFACE MAPPING

21st Century GIS software allows you to visualize, interpret and represent your sub-surface bore hole data.

- Litholog Plotting based on RL and Coarseness value
- Different types of Correlation Diagrams
- Vertical & Horizontal Scale



- Geological section Diagram with Scale
- Creation of Pattern and colour for Litho Units



- Geological Fence & Panel Diagram
- Fence & Section Label
- Geological Symbols

Users will feel right at home with its single window operation



PREMIUM

TECHNICAL SUPPORT

Expert supports are provided to assist customers in successfully achieving their GIS goals.

GIS ACADEMY

Offers wide variety of instructor-led courses to keep GIS knowledge and skills up-to-date.

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21ST CENTURY GIS ACADEMY

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