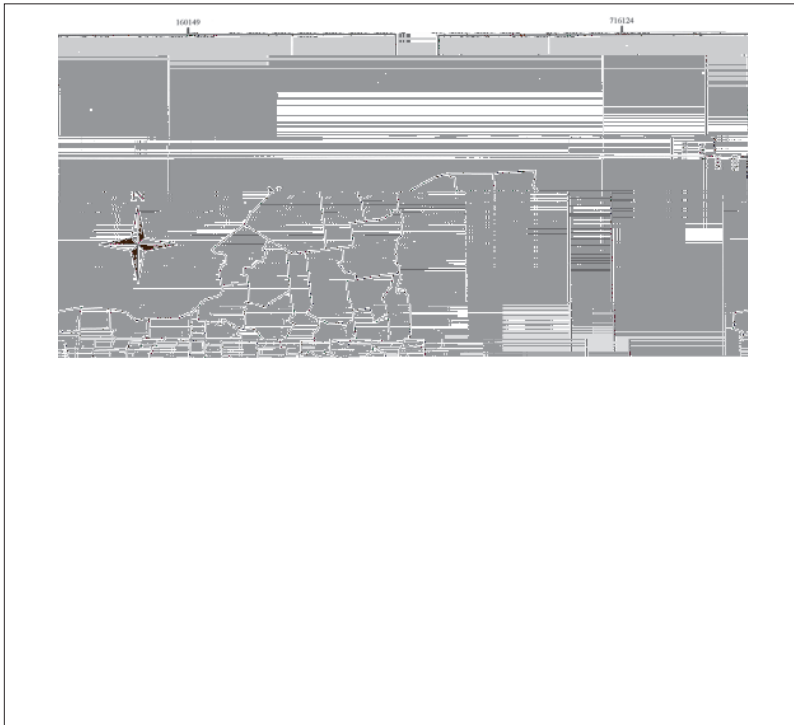


Description of the Study Area



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Ground data acquisition

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The following table shows the results of the land cover classification scheme for the study area. The data is presented in a table format with columns for the land cover type, the area in hectares, and the percentage of the total area. The total area is 1000 hectares.

Land Cover Type	Area (ha)	Percentage (%)
Forest	350	35
Grassland	250	25
Water	150	15
Urban	100	10
Barren	50	5
Other	100	10
Total	1000	100

Landcover classification scheme

The land cover classification scheme is based on the following criteria:

- Forest: Areas with dense vegetation and high canopy cover.
- Grassland: Areas with open vegetation and low canopy cover.
- Water: Areas with water bodies and high reflectance in the near-infrared band.
- Urban: Areas with built-up structures and high reflectance in the visible bands.
- Barren: Areas with bare soil or rock and high reflectance in the visible bands.
- Other: Areas that do not fit into any of the other categories.

The classification scheme is applied to the study area to determine the land cover type for each pixel. The results are presented in the table above.

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Digital classification

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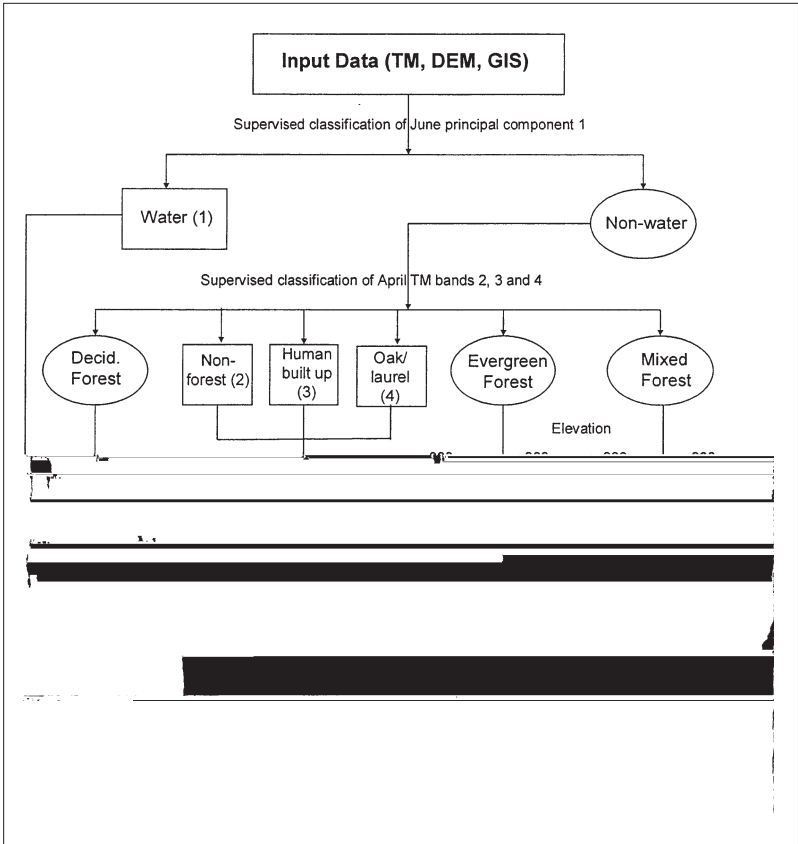
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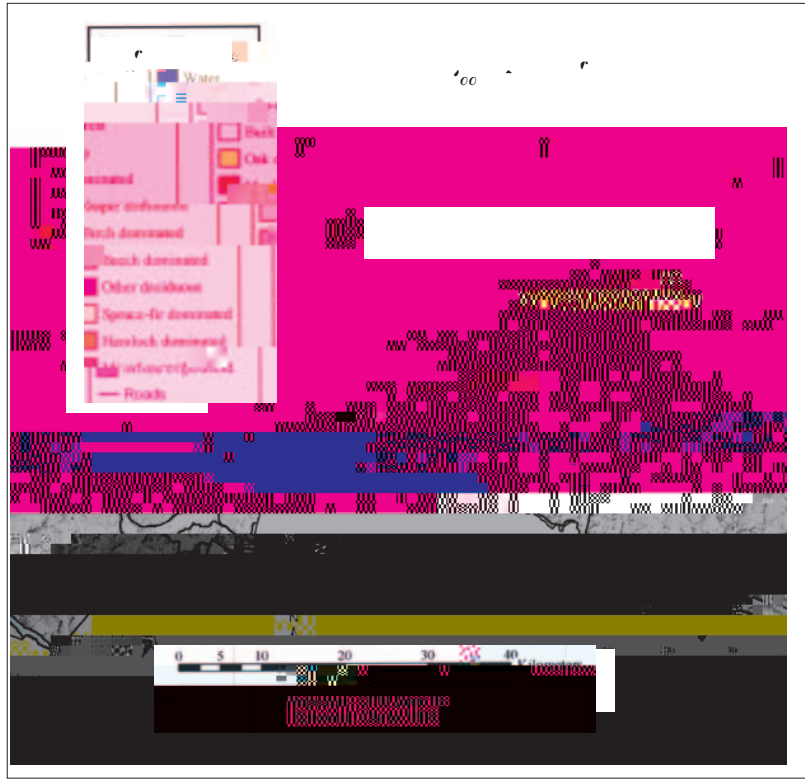
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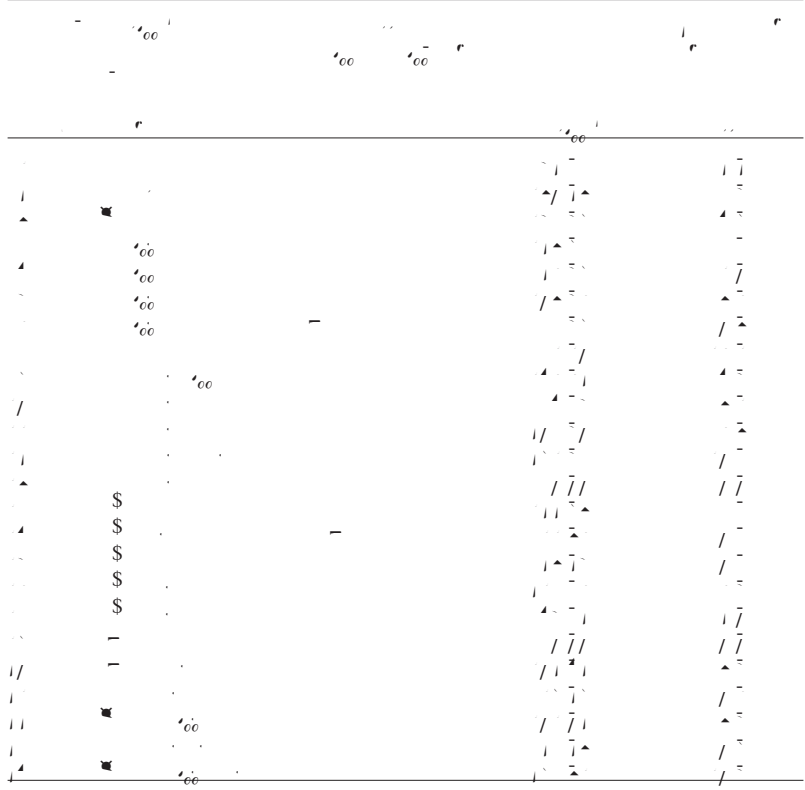


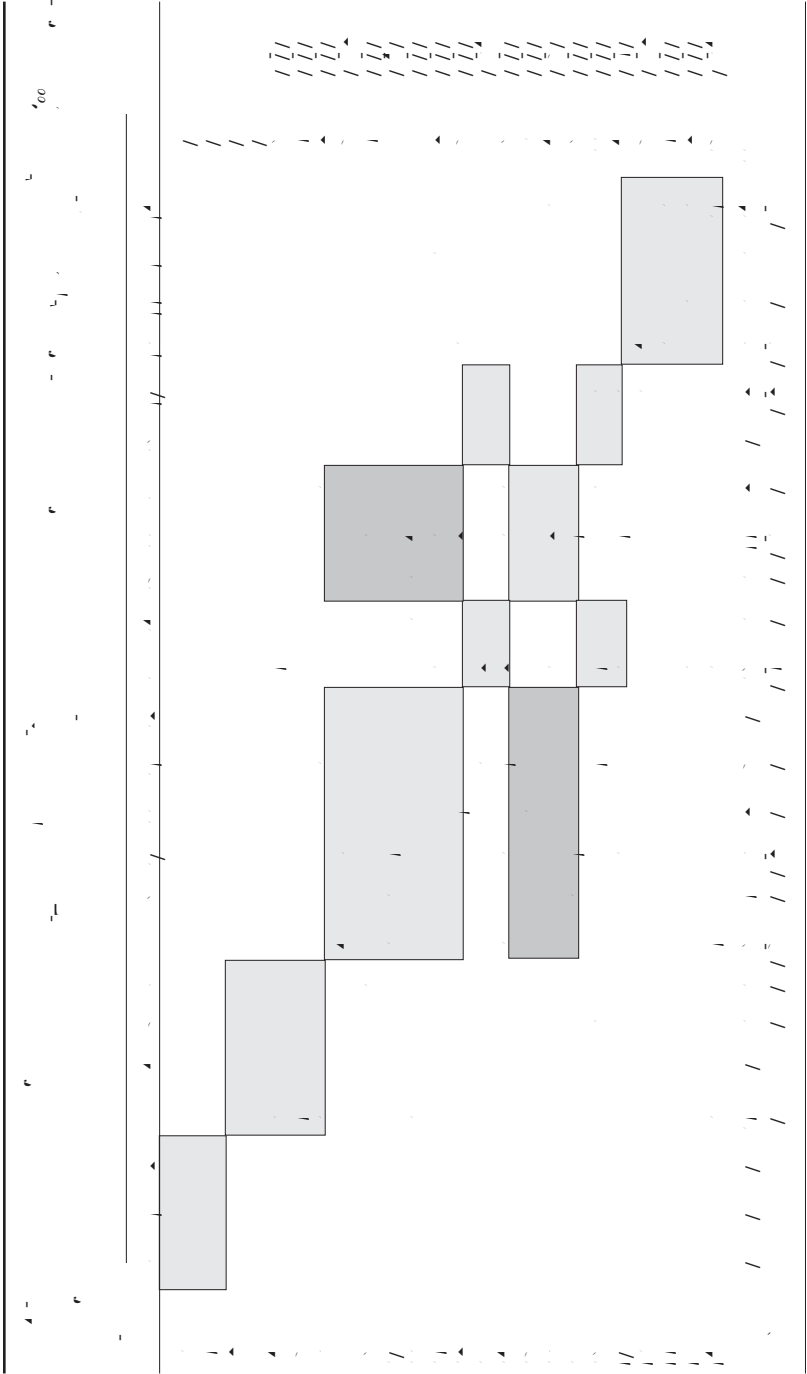
Map accuracy assessment



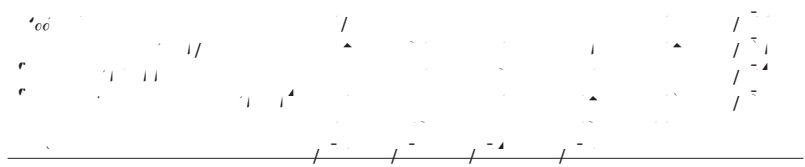
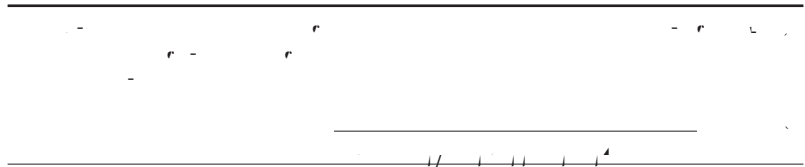
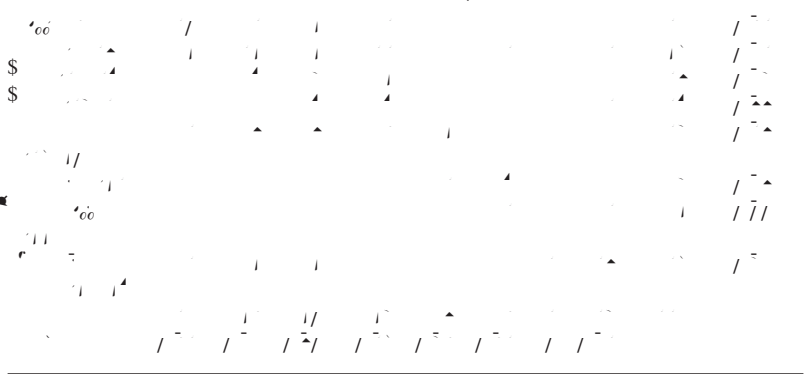
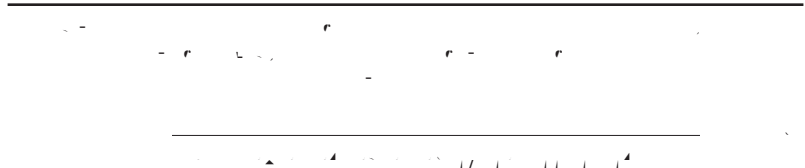
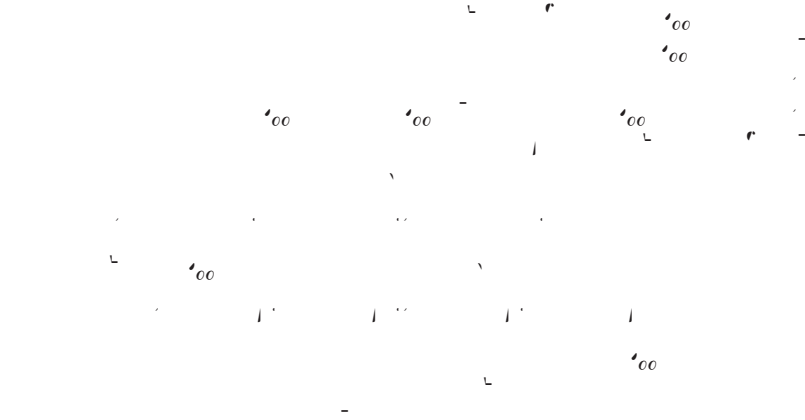
Results

Map characteristics

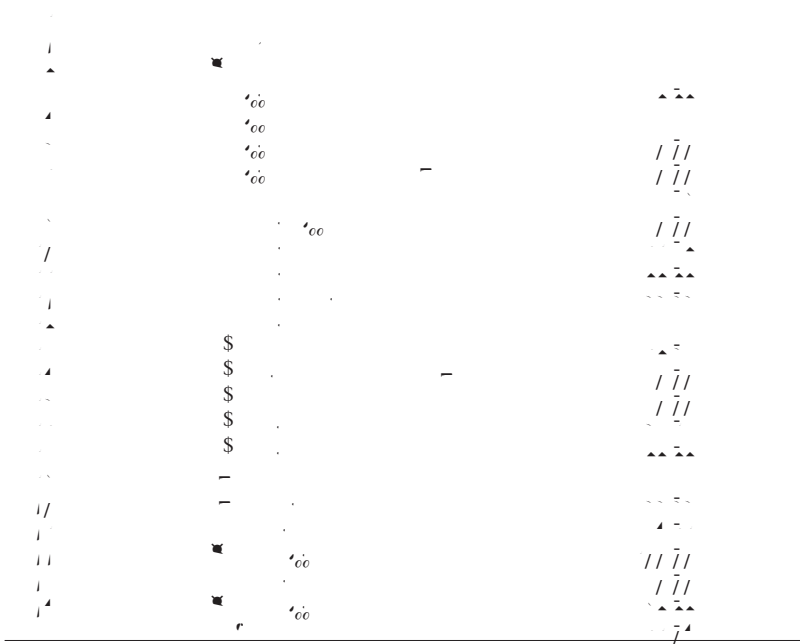
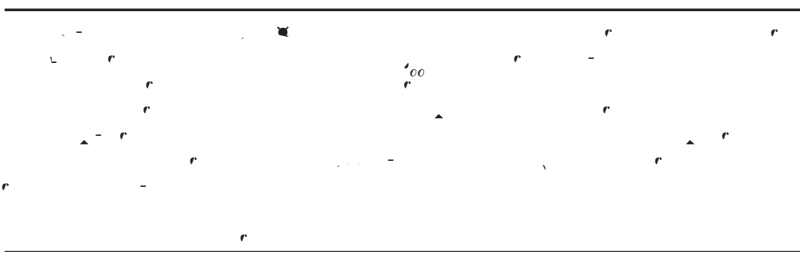
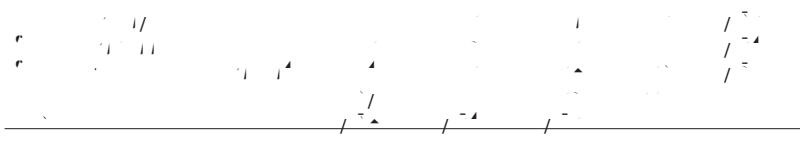
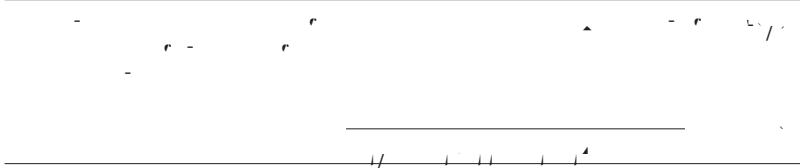




Spectral and temporal indices



Map accuracy assessment



Discussion

