categorization, the established methodology of prior studies and the definition of the adopted methodology, the conversion of the graphic source into a digital form, and the procedures for the analysis are discussed.

The methodological steps in the analysis are simplified cartographic processes. The simplified steps used in this study are:

1. the selection of cartographic features found on the maps;

2. classify these features by grouping them into categories;

3. trace these features that can be compared onto the maps of the area, thus establishing the mother map; then,

4. choose control points for statistical analysis;

5. electronically digitize the maps;

6. realign the subject maps for best-fit; and,

7. measure the differences of the two data sets.

DATA SET DESCRIPTION

The primary data for this research is derived from the cartographic classification and analysis of map elements taken from the individual maps and charts of the middle

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