

Transportation Challenges Caused By Terrain Differences: A Study Based on Udathalawinna Area

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Abstract

Earth's Surface processes create and change landforms. These are classified into three erosional levels based on elevation: low lands, and highlands. In this regard, my study area Udathalawinna faces enormous physical and human challenges as it has diverse topography that is different from the lowlands. Transportation challenges are becoming more important and the main objective of the study is to identify transportation challenges caused by the differences in topography of the study area and solutions have been proposed. The data required for this study were collected through primary data such as observation, participation in observation and questionnaire methods. Data was collected from secondary sources such as previous studies, journal reports, regional articles, newspapers, databases, GN statistical reports, research articles, websites and land survey data. Analysis has been done using Arc GIS 10.7.1 and Google Earth Pro Software. In that way we cannot provide a solution to the transportation challenges of the study area but measures have been proposed to fully address them. And this study was conducted to fill a gap as this research topic has not been researched before.

Keywords: udathalawinna, transport, terrain, elevation, high land, low land