

Supakorn Wanawong 2014: Environmental Impact Assessment in Aesthetics in The Areas Affected by Mining Limestone: The Case Study of Khao Wong Sub-District, Phra Putthabhat District, Saraburi Province. Master of Landscape Architecture, Major Field: Landscape Architecture, Interdisciplinary Graduate Program. Thesis Advisor: Associate Professor Uamporn Veksommai, M.A. 212 pages.

Most of the area in Khao Wong Sub-District, Phra Putthabhat District, Saraburi Province is mountainous and limestone mining-concession area. Therefore, it is facing various impacts concerning environmental aspect including aesthetics. The objectives of this study are to assess the impact on environmental aesthetics and suggest the usable techniques on the improvement of the landscape in the area which affected by the limestone quarry. The process of this study is, firstly study on secondary data. Secondly, study on primary information based on questionnaires. Thirdly, data analysis and landscape design to reduce the impact on the aesthetics of limestone mining area. Lastly, summarize the studied results and provide recommendations. The result showed that the impact on the environmental of the aesthetic in Khao Wong Sub-district are dust and unbeautiful scenery. The environmental impact on the other aspects such as the inconvenient public transport, damaged roads, vibration, noise, stink and water pollution. Environmental impact on the aesthetic of dust caused by a rock explosion, rock transportation, damaged roads and dust come from cement factory. An unbeautiful scenery caused by the limestone mining, cement factory building blocks mountain scenes, roads destroyed by stone trucks and cement trucks, and dust in the trees, houses, and other governmental buildings. This thesis will suggest the guidelines for designing landscape architecture by using plants as a wall to block the eyes, shelter and improve the landscape around the area of limestone mine. In addition, a researcher also suggests the solutions to improve the environment of limestone mining area in the way which the villagers and the relevant government agencies should discuss to find the ways to reduce the environmental impacts that occur in areas with limestone mining sustainably.

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Thesis Advisor's signature