The title	The Application of Geographic Information technology in analyze changes of community forests in Ban Khok Pha Lai, La Laod sub-district, Chamni district, Buriram province.
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Abstracts

The application of geographic information technology in analyze changes of community forests in ban khok pha lai, La Laod sub-district, chamni district, Buriram province. The purpose of this study, to identify forest areas with multiple satellite imagery data, check the change of community forest in Ban khok pha lai by using LANDSAT-5 TM satellite image data in 2003 and 2011, LANDSAT-8 OIL in 2018. The data from LANDSAT satellite images are also used to interpret the photos by using Geographic Information System (GIS) to evaluate the changes in the forest areas of Ban khok pha lai. And check the accuracy in the field, then analysis of changes in forest areas.

The study indicated that, the change of community forest at Ban Khok Pha Lai in 2003-2011 showed that the forest area decreased by 0.24 square kilometers or 150 rai. It is Sugarcane area increased by 125 rai, rice field area was 12.5 rai, cassava area was 6.25 rai, building area was 12.5 rai but rubber area and water source area remained unchanged.

Changes in community forest area of Ban Khok Pha Lai in 2011-2018 showed that the forest area decreased by 0.33 square kilometers or 206.25 rai. The area of paddy field increased to 56.25 rai, cassava area of 250 rai, rubber area was 6.25 rai, sugarcane area was 87.5 rai, building area was 6.25 rai and water source area unchanged.

The analysis of satellite imagery was in 2003 with 2.39 square kilometers of forest land. In 2011, there were 2.15 square kilometers of forest land. In 2018, the forest area was 1.82 square kilometers. Changing in forest area from 2003 to 2011, the forest area decreased by 0.57 square kilometers or 356.25 rai because of the

intrusion of forest areas. Forest management and control by the community are therefore important, it is necessary to keep the forest area sustainable.

Keywords: Community forest, Geo Informatics, Chang