

Chapter 5

Conclusion and Discussion

This chapter includes the conclusion from the study, discussion of the finding, limitation and suggestion for further study. In this study we constructed the maps of land use for identify land use change by eye viewing and count the regions of land use change as described in chapter 3. The model of land use change use multinomial logistic regression, as described in chapter 4.

5.1 Conclusion and discussion

The resulting overlaying land use map showed that Na Thap had changed during the 18 years between 1982 and 2000. It was found the most of land use had changed from paddy field to abandoned area and shrimp farm.

The increase in abandoned land and shrimp farming was mostly by converting from swamp forest and paddy field. This is similar to Durongdej (2000) finding that a large number of mangrove forest had been changed to shrimp farms. Shrimp farm area appears to be continuing in Thailand (Prabnarong et.al, 2006). They found shrimp farm to be replacing both mangrove forest and paddy fields. This is difference from Janjang (2007) the result of comparison of land use in two districts (Bang Khla and Banpho district) between 1996 and 2004 aquaculture farm, mangrove and urban areas were increased. Agriculture and forest areas were decreased and changing from agriculture area and other.

5.2 Limitation

1) The period between 1982 and 2000 of this land use data is quite long. So the further study should consider the more frequently collected.

2) Unit of land use area should study in term of square kilometer instead of using region of land use.

5.3 Further study

Results of our study revealed land use in Na Thap sub-district. Further study could study the area around Na Thap river or the similar area and compare the results.

Prince of Songkla University
Pattani Campus