

Thesis Title A Comparative Study on Socio-Economic Conditions
 between Farmers Living in Irrigated and Non-Irrigated
 Areas of Electrical Pumping Irrigation Project in
 Northern Thailand.

Name Rattanachai Imsamranrat

Degree Master of Science (Technology of Environmental
 Management)

Thesis Supervisory Committee

 Sukhum Phootong, M.Sc.

 Pisit Sukreeyapongse, M.Sc.

 Linda Wongsanupat, M.Sc.

 Chaiwutt Suttireangwong, M.Sc.

Date of Graduation 23 November B.E.2532 (1989)

ABSTRACT

The objective of this study is to compare the socio-economic conditions between farmers living in irrigated and non-irrigated areas of Electrical Pumping Irrigation Project in Northern Thailand. Regarding the methodology of this study, data is conducted by survey and interviewing. Four hundred fifty households in irrigated and non-irrigated areas have been selected for sampling. They are divided into 2 groups which are 225 households equally.

The result of the comparison of social conditions is shown that households in irrigated area have out-migration rate, nutritional status, values and religious tradition less than those in non-irrigated area. In addition, these in irrigated area have sickness

status, educational aspiration for children, way of urbanism life and widely modern technology utilization more than those in non-irrigated area. Besides, most of households in both groups are participating in community organizations and membership. It can be concluded that households in irrigated area have a better social conditions than those in non-irrigated area.

Comparing economic conditions of households in both groups, this finding is shown that average yield of rice per rai, agricultural income and agricultural expenses of households in irrigated area are statistically higher than those in non-irrigated area. Also, factors affecting gross agricultural income are farmer categories, yield of rice, harvested areas, village organizations' member and the farm working hours per day. It can be concluded that households in irrigated area have a better economic conditions than those in non-irrigated area.