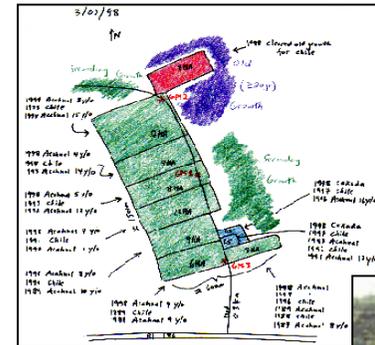# Land-Cover Land-Use Change in the Southern Yucatán Peninsular Region, Mexico
PI B. Turner, Clark University

- **Understanding changes in deforestation and agriculture since the 1960's, to develop models capable of projecting land use and cover changes.**

- **Household survey (200 households), remote sensing, econometric and empirical modeling.**

- **Region dominated by forest clearing for agriculture, logging, tourism**

- **Clearing driven by external markets for commercial for crops and subsistence needs**

- **Analysis of agrarian decision making, resource profiles, land tenure, ecological conditions**

- **Modeled prediction of deforestation completed, integrated model under development to provide scenario assessment for policy**

- **Domestic agricultural reform**

- **Government subsidies (government credits linked to commercial cropping)**

- **Land tenure**

Sketch map, land use history >20 yrs

Commercial chile cultivation

Predicted Probability of Deforestation: 1988-1992 (LOGIT model)