



INTRODUCTION

- Karbi-Anglong district in the State of Assam in Northeast India
- Shares borders with Kaziranga NP- 100+ Tigers
- Predominant tribes- Karbi, Kuki, Dimasa, Kachari and Naga



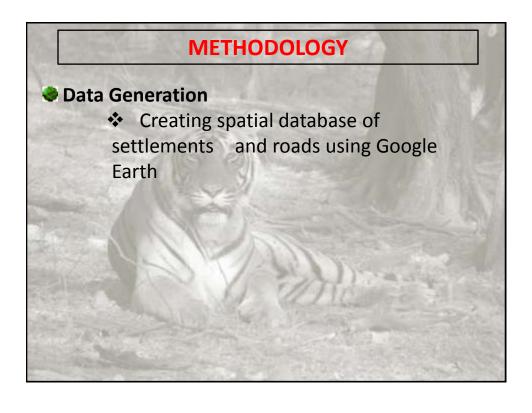
WHY THIS STUDY?

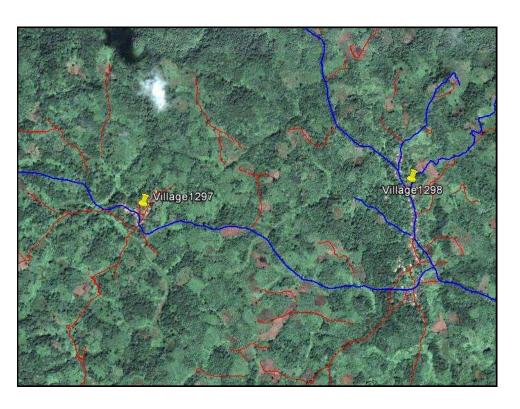
- No ecological studies-inaccessibility,topography, constitutional status and armed conflict
- 80% forest
- Tiger Conservation landscape priority level-1 data deficient
- Priority landscape for elephant and amphibians
- Strategically located for conservation of critically endangered species

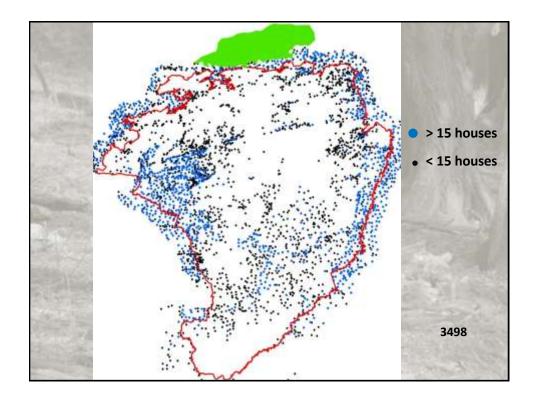
RESEARCH QUESTIONS

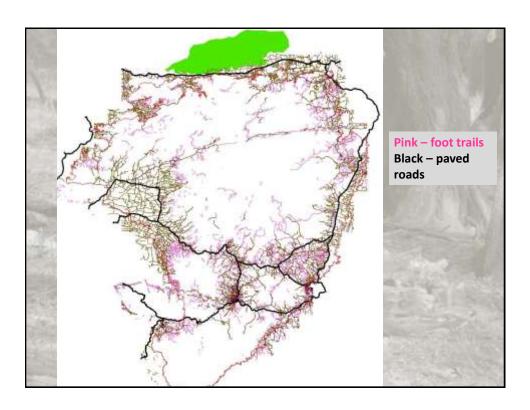
- Pattern of large mammal distribution in Karbi
 - **Anglong**
- Interaction between wildlife and tribal communities
- Assess conservation potential

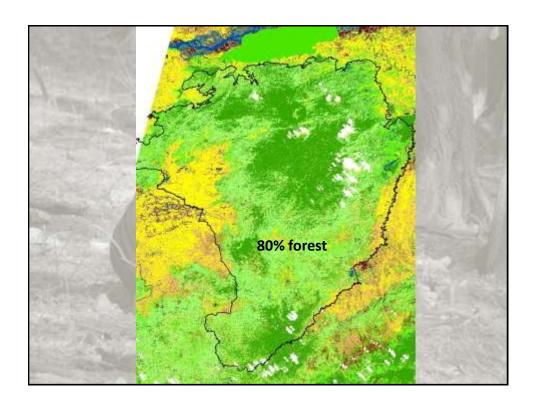


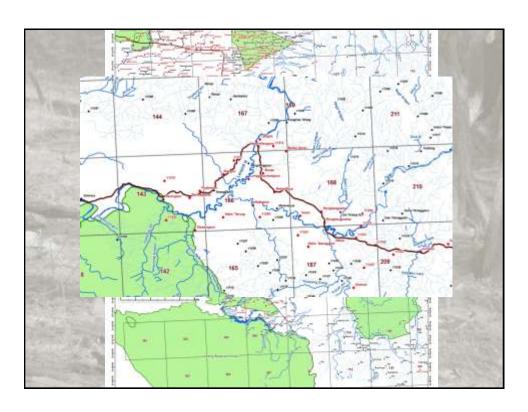


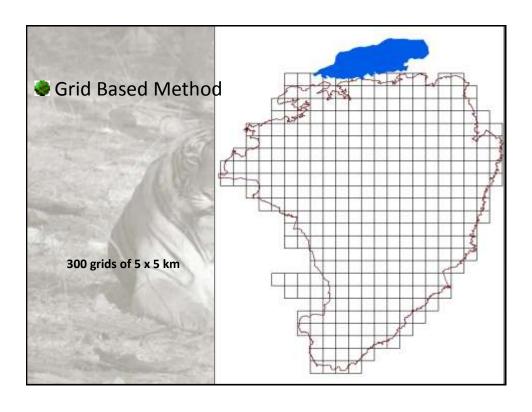








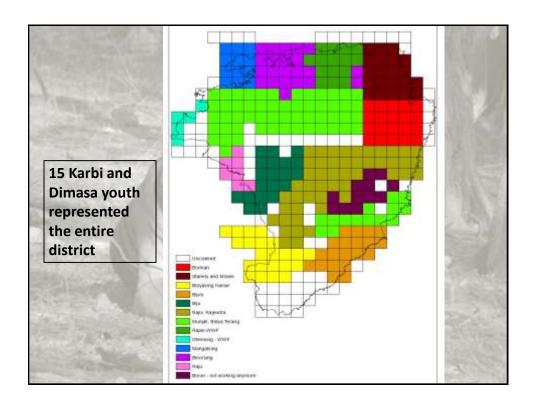




METHODOLOGY

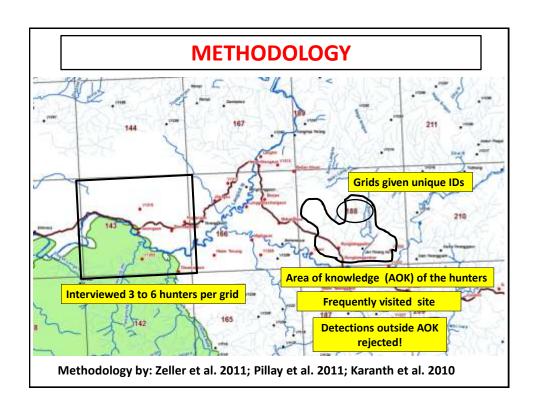
- Data Generation
 - Creating spatial database of settlements and roads using Google Earth
- Identified local youth and trained them in survey methods

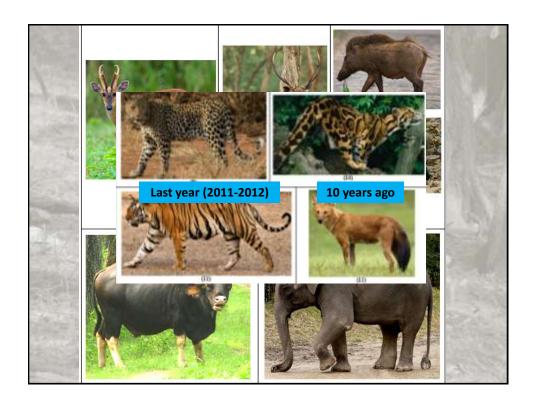




METHODOLOGY

- Data Generation
 - Creating spatial database of settlements and roads using Google Earth
- Identified local youth and trained them in survey methods
- Interviews
 - Structured interviews with key informants (Hunters, Shifting agriculturist)
 - Animal sign surveys
 - Occupancy surveys : Presence/Absence



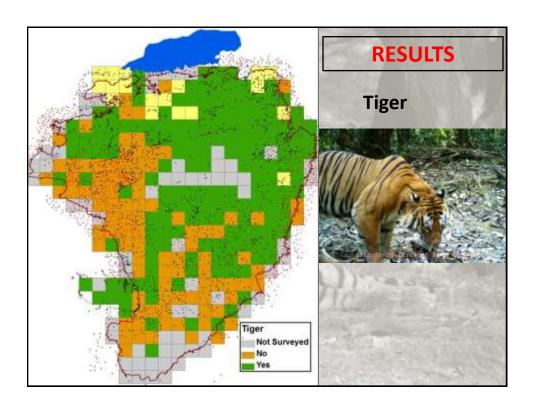


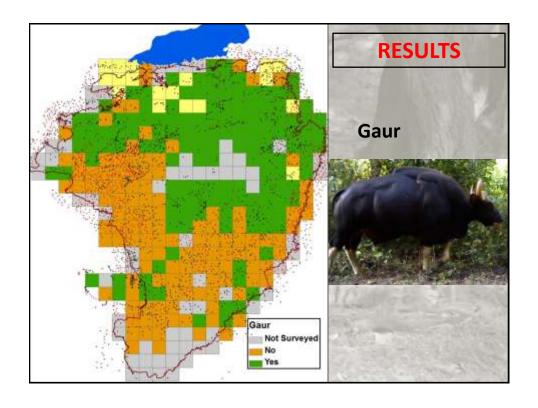


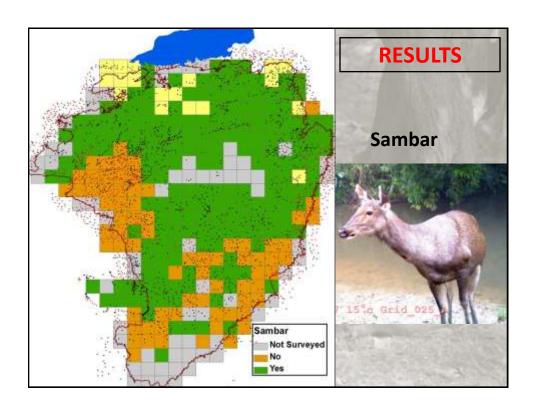


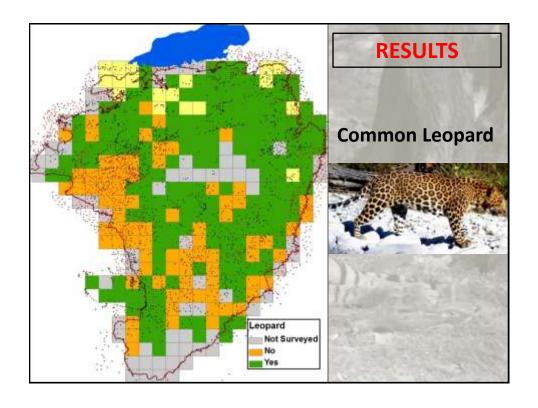


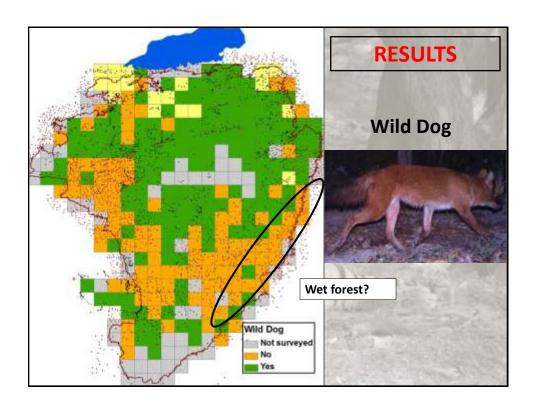


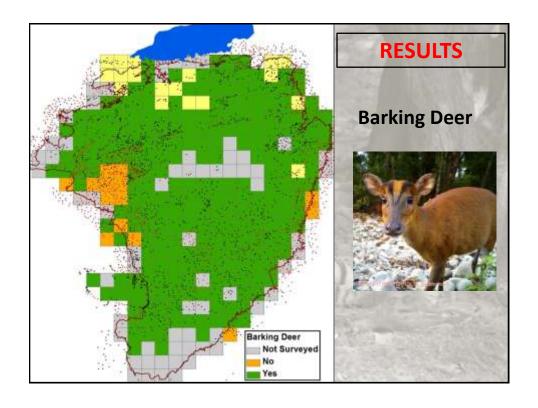


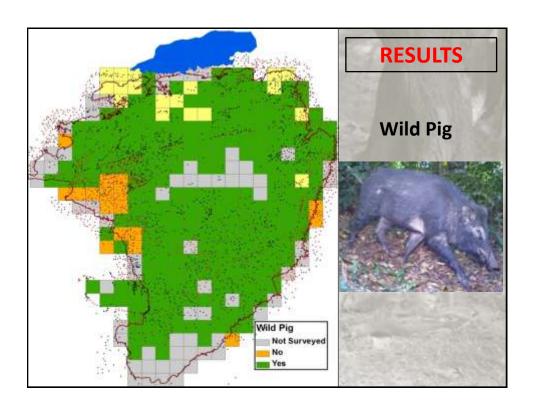


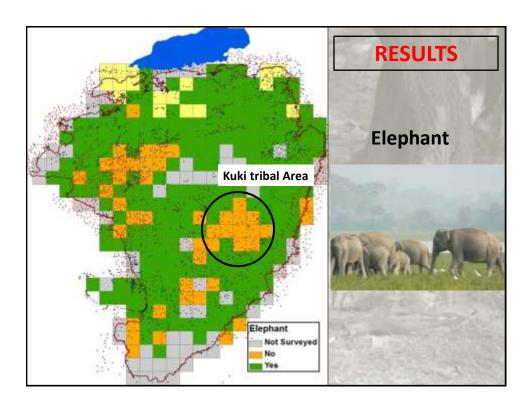










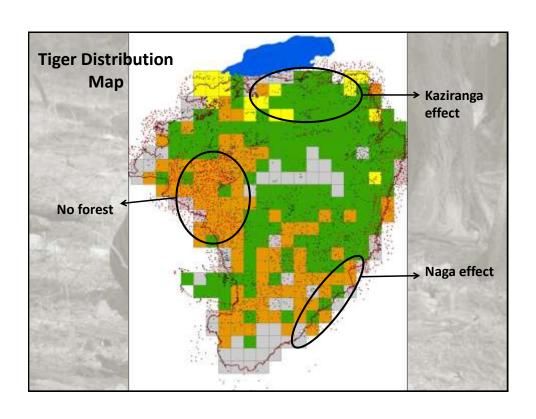


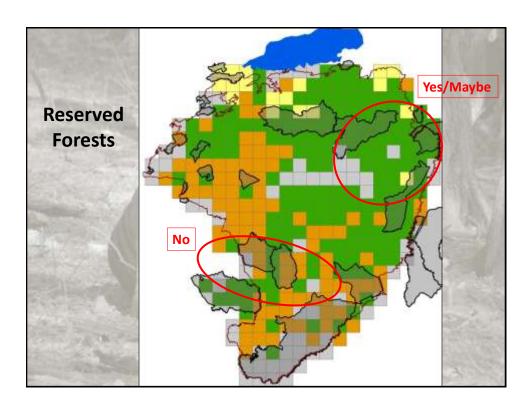
DISCUSSION

- Gaur has the most restricted range (sensitive to disturbance)
- Sambar, tiger and leopard (moderately sensitive)
- Elephant, Wild Pig, Barking Deer widely distributed (resilient)
- Kuki areas no elephants
- Human-elephant conflict is a major problem

DISCUSSION

- Species distribution patterns influenced by
 - a. Forest cover,
 - b. Kaziranga NP,
 - c. Tribal communities,
 - d. Human density
 - e. Reserved forest??





DISCUSSION

- Tiger continue to persist in Karbi Anglong:
 - a. Tolerance by the Karbis
 - b. Low human density
 - c. Kaziranga NP
- Armed conflict seems to have protected the wildlife
- Community land holding system

NEXT STEPS

- Data analysis in occupancy framework (PRESENCE)
- Consultation with Karbi Autonomous Council
 - Proposing new TIGER RESERVE
- More intensive surveys: sign surveys/camera trapping in high probability zones
- Starting a community conservation initiative

ACHIEVEMENTS

- Mobilized around 50 local youths in wildlife data collection
- Interviewed 1200+ hunters
- Covered every corner of the district
- Developed a huge network of young people who are starting to appreciate forest and wildlife

CHALLENGES and OPPORTUNITIES Civil unrest Inter-tribal conflict Accessibility Constitutional setup





