FOREST FORMATION AND CHANGE DETECTION MAPS AND ANALYSIS PROJECT

Implementing Partner

Center for Conservation Innovations (CCI)

Project Objectives

❑ to develop maps of forest formations in selected protected areas (PAs) and

❑ analyze forest cover change inside PAs and their buffer zones*

Background of the Project: 1ˢᵗ Phase

In November 2016, the Biodiversity Management Bureau (BMB) commissioned a study on the

- forest cover change within and outside protected areas (PAs) for 15 selected sites, with five protected areas coming from each of the major island groups of the Philippines

Objectives: (two-fold)

1) to verify whether forested areas are declining inside PAs; and

2) to verify whether forest cover loss are effectively managed inside PAs than in areas outside PAs.

Findings: (1st Phase)

1) the results from 15 selected PAs did not demonstrate forest extent halving inside those PAs;

2) the losses in forests outside of the PAs are of significant extent than the losses inside of the PAs; and

3) forest recovery in terms of tree gains outside the PAs are not significantly different from the forest recovery inside the PAs.

Limitations: (1st Phase)

1. the number of PAs used in the analysis (15)
2. relied on global data
3. limited field validation on the ground.

*** To ensure reliability of the global dataset, its documented forest cover loss must be verified on the ground

2nd PHASE FOREST FORMATION AND CHANGE DETECTION MAPS AND ANALYSIS PROJECT

Collaboration with Other Agencies / DENR Regional Office

- [ ] NAMRIA – 2015 Land Classification maps
- [ ] PAGASA – for updated layers on Temperature

and Rainfall data (meteorological data)

- [ ] Academic Partners – capacity-building for academic institutions within the project sites
- [ ] DENR-Regional Offices for logistics and other technical assistance during the field visit.

2ND PHASE FOREST FORMATION AND CHANGE DETECTION MAPS AND ANALYSIS PROJECT

- Project sites:

30 Legislated Protected Areas selected based on size, more or less with intact forest and proximity to BMB's regional network.

- Approaches & Methods
- ❑ Species Distribution Modelling
- ❑ Forest formation mapping w/ ground-truthing
- ❑ Forest cover change detection mapping w/ ground-truthing