

ATTACHMENT 1 – TERMS OF REFERENCE

Forest Degradation Assessment Intern The Wildlife Conservation Society WCS Cambodia Program

Background

WCS assists the Royal Government of Cambodia to conserve species and habitats in four landscapes across Cambodia, namely, the Eastern Plains (consisting of the Keo Seima Wildlife Sanctuary (KSWS) in Mondulkiri and Kratie provinces), the Northern Plains, the Tonle Sap, and the Freshwater Rivers. Taken together these landscapes support all of the major habitat types in Cambodia, as well as vital population of most of Cambodia globally threatened species. These protected areas are also extensively used by human populations that reside in and adjacent to the protected areas.

In Keo Seima Wildlife Sanctuary, biodiversity monitoring and forest change monitoring is used to inform protected area management. Using 40 systematically distributed line transects, WCS monitors 13 key species, providing some of the most extensive and robust biodiversity data available in South-East Asia. Using remote sensing, illegal land clearance and deforestation is monitored, and assessments are used to target law enforcement.

Whilst remote sensed data provides excellent data on forest clearance and deforestation, it is less effective at detecting the felling of individual trees during illegal logging, also known as forest degradation. To provide a systematic assessment of the spatial distribution and intensity of illegal logging, strip sampling will be used across the line transect network to estimate protected area-wide rates of illegal logging. This important data can be used to improve law enforcement, as well as provide covariate data for use in biodiversity models.

Forest Degradation Assessment Intern

In order to implement and analysis the Forest Degradation Assessment (FDA), WCS seeks a project Intern familiar with basic biodiversity sampling techniques. Training will be provided on all aspects of the assessment and analysis. Following the training, the FDA Intern will support a team of three Wildlife Monitoring Team members and local guides to conduct the assessment, which will involve considerable field work over 2-3 months. Once the FDA is complete, the Intern will enter data, clean data, and conduct the analysis with the support of the WCS Data Analyst.

The represents an excellent opportunity for an early-career conservationist to gain experience in survey design, implementation, and analysis, which would be useful across a range of areas including biodiversity monitoring and forest monitoring.

Qualifications and Experience

- Fit, and able to spend up to 6 days walking in the forest, in difficult terrain.
- Minimum of a Bachelor's degree in a related subject
- Familiarity with sampling and data analysis
 - Use of Microsoft Excel
 - Data entry
 - Data cleaning
 - Creation of graphs
 - Use of Microsoft Word
- Language:
 - Khmer
 - Spoken: Fluent
 - Reading: Fluent
 - Writing: Fluent
 - English
 - Spoken: Professional
 - Reading: Intermediate
 - Writing: Intermediate

Responsibilities

- Support the implementation of the FDA
 - Ensure robust, high quality data is collected
- Analyse the resulting FDA data
 - Produce maps and summary analysis with the support of the WCS Data Analyst
 - Write FDA report
- As well any and all other work assignments, duties, and/or functions as WCS or its management may designate or instruct in the course of its operation, which may include assignments, duties, and/or functions that vary from the above.

Deliverables and outputs

- Support implementation of FDA survey
- Completed FDA data analysis – spatial and temporal distribution of illegal logging across KSWS
- FDA report

Schedule

The FDA will take place during the dry season, from November 2018 till January 2019. Analysis will take place in January.

The FDA Intern will take 6 days leave per month, working the remaining days in the field and at the headquarters.

Remuneration

Work costs relating to the implementation and analysis of the FDA will be covered by WCS, in cash or in-kind, including travel to the site, food during field work, accommodation. Field equipment will be provided for the duration of the FDA. Salary will be dependent on candidate experience and suitability.

Duty station

The FDA Intern will be based at KSWS headquarters, with considerable time spent in the field.

Reports to

- Data Analyst and Operations Technical Advisor
- Landscape Technical Advisor