

## Project Update: May 2018

Firstly, a Participatory Rural Appraisal (PRA) was conducted to understand the present status of the resources and different ecosystem services that local people are getting from the conservation area and its buffer zones. Local people, members of Krishnasar Conservation and Management Council members, officials of Krishnasar Conservation Area actively participated the event. Their socio-economic profile, their dependencies on ecosystem services and community hazards were discussed broadly. We listed the provisioning, regulating, supporting and cultural services provided by the ecosystems. We then prepared a resource map of the conservation area and its buffer area, and determined resources extraction sites and various types of human activities.



### **Citizen Scientist Training:**

A 1-day capacity building training on “Blackbuck Habitat Survey and Information collection Techniques” was conducted in the Krishnasar Conservation Area to prepare local youths as citizen scientists. Local youth club members, lecturers and students of Babai multiple campus and game scouts of Krishnasar Conservation Area actively participated the training. Mr Prabin Baral (zoologist) gave the overview of the status of biodiversity and wildlife in Nepal, conservation status of mammals, birds, reptiles and amphibians and updated different research techniques used in wildlife research. The principle investigator discussed on the role of local citizens as citizen scientists in wildlife conservation, and taught them the techniques of using GPS, Camera traps, DBH tape, quadrats, etc. The participants learnt to identify different wildlife (visual encounter/ pellets/scats/footprints, etc.) found in the conservation area. They learnt to collect information on blackbuck habitat as well as information collection of different wildlife of the conservation area. Altogether 15 participants received the training.



Citizen Scientist Training



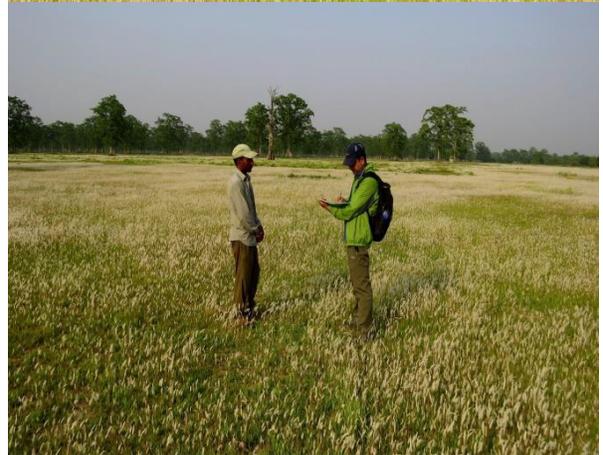
Game Scout Mr. Hariram Yadav demonstrating how to differentiate foot marks and pellets of different species as well as identify the species seen.



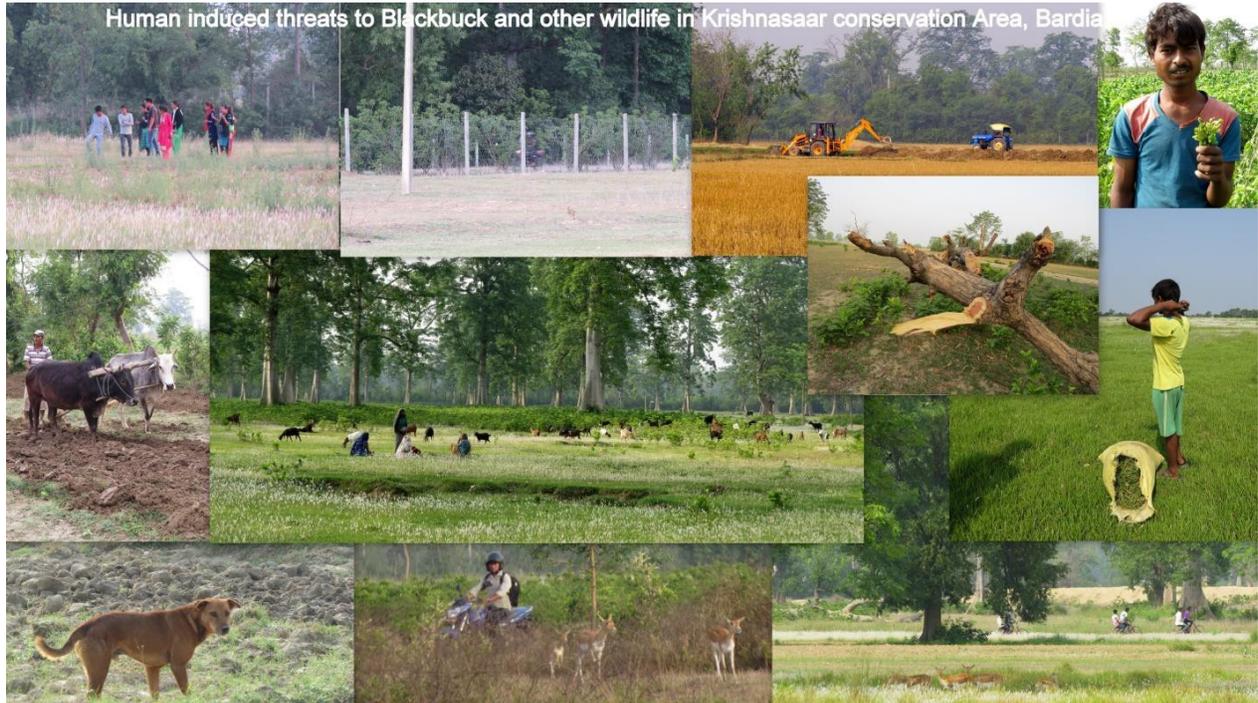
Citizen Scientists collecting data after the training in Krishnasar Conservation Area.

### Field Survey: Cumulative impacts of anthropogenic disturbances on Blackbuck

Since Krishnasar Conservation Area is 16.95 sq. km, we overlaid grids of 300 x 300 m on the map of Krishnasar Conservation Area including its buffer zones. We carried out line transects in east-west direction and surveyed the grids. We recorded presence evidence of blackbuck (*Antelope cervicapra*) (visual encounter, foot marks and pellets) and laid a 10 X 10 m plot in each recorded presence point. Different habitat types and threat related variables and presence evidence of potential competitor and predators in the plots were recorded. At each place of sighting of an animal, human movement, presence of roads/ road-trails, settlements, movement of vehicles, livestock grazing, fodder and firewood collection, deforestation, fire and other threats was recorded. Similarly, natural disturbances such as flood, presence of stray dogs, wild animals including predators (based on the presence signs) were recorded. The proximate variables of each surveyed plots with the household, road/footpath, farmland, water sources, forest, etc. were also recorded. Different habitat variables like habitat types (forest, cultivated land, scrubs and bushes etc.), canopy cover, shrub cover, ground cover, shrub height, grass height, tree height etc., were noted 150 m distance.



## Human Induced threats in Krishnasaar Conservation Area



## Evidences of presence of other wild mammals in KrCA, Bardiya



## Radio Interview:

**Role of Local Citizen Scientists in Wildlife Conservation-** An Interview in Radio Babai 106 MHZ, Gulariya, Bardiya.



## News Releases:

News release in Bardiya Times-online magazine.

① bardiyatimes.com.np/कृष्णसारको-अवस्था-बुझान-यु/

वर्द्धिया जिल्लाको पहिलो अनलाइन खबर

# बर्द्धिया टाइम्स

अनलाइन खबर

## Bardiya Times Online Khabar

मुख्य पृष्ठ समाचार मुख्य खबर ताजा अपडेट रोजगार खेलकुद बिज्ञान-प्रबिधि साहित्य स्वास्थ्य/जीवनशैली सम्पर्क

### कृष्णसारको अवस्था बुझान युवाहरुलाई तालिम

मुरली गोडिया

२४ बैशाख गुलरिया-नेपालमा रहेको दुर्लभ वन्यजन्तु कृष्णसारको संरक्षण तथा सम्बर्धनका निम्ति स्थानिय युवा तथा वन्यजन्तु संरक्षण प्रेमीहरुलाई सामुदायिक आधारित कृष्णसार अनुगमन, कृष्णसार संरक्षण तथा अन्य वन्यजन्तुको सुचना संकलन गराई कृष्णसारको अवस्थाका विषयमा जानकारी मुलक तालिम गराइएको छ ।

बर्द्धिया जिल्लाको सदरमुकाम गुलरियाको खैरापुरमा रहेको कृष्णसार संरक्षण क्षेत्र वरिपरि बसोबास गर्ने स्थानिय युवा, बर्बाई बहुमुखी क्याम्पस गुलरियाका प्रयापक राम बहादुर चौधरी क्याम्पसमा सातक तहमा अध्ययनरत विधार्थीहरु कृष्णसार संरक्षण क्षेत्र कार्यलयका कर्मचारीहरुलाई उक्त वन्यजन्तु कृष्णसारको बसाई खवाई तथा अन्य गतिविधि थाहा पाउने तरिकाका बारेमा जानकारी गराइएको प्राणीशास्त्री अमर कुँवरले जानकारी दिनुभयो ।

द रुफर्ड फाउन्डेसन यु. के. को आयोजनामा दिइएको उक्त तालिममा कृष्णसार बस्ने स्थान कसरी पत्ता लगाउने, हिडेको खुद्दाको पहिचान कसरी गर्ने, कृष्णसार कुन कुन जनावर संग बस्छ लगायतका विषयमा बताइएको थियो । साथै कृष्णसारले खाने आहारा तथा सम्बन्धि जन्तुका विषयमा बैज्ञानिक प्रविधीको प्रयोग गरि कसरी तीनीहरुको अवस्था जात्रे लगायतका विषयमा प्रशिक्षण दिइएको अर्का प्राणीशास्त्री प्रविण बरालले बताउनु भयो ।

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### ताजा अपडेट

- विकासको लागि स्थानियसंग बहस
- नेपालगन्जका शक्तिशाली प्राच्य गरे आमाको नामबाट नागरिकता
- स्थानीय तह सँग सूचना माग ४ दिन मै सूचना प्राप्त
- मधुवनमा टि-२० क्रिकेट खेल शनिवारबाट सुरु
- कृष्णसारको अवस्था बुझान युवाहरुलाई तालिम
- सवारी दुर्घटना भई २ जनाको मृत्यू
- सिडिकेट किरुद्धमा सरकारी कदम बाँके, बर्द्धियामा सुरक्षा निकाय सक्रिय
- संयुक्त टोली द्वारा प्रतिबन्धित खाद्य नष्ट
- संघिय संरचनामा स्थानिय पत्रकारिताको चुनौती
- पत्रकारले पारिश्रमिक नपाएपछि उनुकी

Link:

<http://bardiyaimes.com.np/%E0%A4%95%E0%A5%83%E0%A4%B7%E0%A5%8D%E0%A4%A3%E0%A4%B8%E0%A4%BE%E0%A4%B0%E0%A4%95%E0%A5%8B-%E0%A4%85%E0%A4%B5%E0%A4%B8%E0%A5%8D%E0%A4%A5%E0%A4%BE-%E0%A4%AC%E0%A5%81%E0%A4%9D%E0%A4%A8-%E0%A4%AF/>

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