

This report will be made public. If it contains confidential or sensitive information, please also provide a revised report for sharing with the public.

Section I. Project Information	
Project Title: Monitoring Populations of Amur Leopards and Tigers in Northeast China	
Grantee Organisation: Wildlife Conservation Society (WCS) China	
Location of project: Hunchun Nature Reserve (HNR) and adjacent lands within Northeast China Tiger Leopard National Park (TLNP), Hunchun County, Jilin Province, China, at approximately 42.41972 N, 129.86416 E.	
Size of project area (if appropriate): About 5,000 square kilometres	No of tigers and / or Amur leopards in project area, giving evidence & source: To date, WCS has photographed a total of 38 Amur tigers and 35 Amur leopards in HNR.
<p>Partners: <i>(Please give details of partners, including communities, academic institutions etc. for this project.</i></p> <p>WCS works closely with the Forestry Bureau of Jilin Province and senior management of TLNP. We also collaborate with staff of HNR (now a substation of TLNP) to continue camera trap monitoring of the Hunchun region. HNR shares all monitoring data with us (as collected by collaborators, which we then add to our own data), and their staff also participated in 1) snow tracking to better understand tiger and leopard behaviour in winter, and 2) an anti-poaching workshop. Finally, we also coordinate activities in Russia through WCS Russia.</p>	
Project Contact Name: <i>(main contact via email)</i>	
Mr. Wang Aimin	
Email: awang@wcs.org	
Actual start date of project: <i>(if different from 1st February)</i>	
Reporting period: February 1, 2020 - June 30, 2020	

Section II. Project Progress

Summary of progress for the first 6 months: *(please provide a summary for use in our communication materials)*

During the reporting period, WCS China continued camera monitoring at 50 sites in HNR and set up 40 cameras at 20 new sites in Dahuanggou, an area where Amur tiger and leopard status is unclear but there are increasing reports of species' presence. While it remains too early in the season for snow tracking, we do have this activity planned for early this winter. Furthermore, we have not yet carried out our SMART work, but it is on schedule.

Details of activities and results to date: *(Please give details of progress made towards the objectives & outputs of your Logframe, and activities included in your Workplan. Please add any relevant charts, maps and images.)*

Objective 1. Monitor populations of Amur leopards and tigers in Hunchun

Activity 1.1. Continue camera trap monitoring in and around HNR

From December 2019 to April 2020, we deployed camera traps at 50 sites within 4 of the 6 HNR subunits—Madida, Yangpao, Banshi, and Jingxin—covering approximately 450 square kilometres of key habitat for Amur tigers and leopards. Traps were active for 13,550 trap nights and resulted in more than 17,843 images and videos of wildlife and human activity. The raw data of leopards and tigers received from these camera traps are presented in Table 1.

Table 1. Information on Amur leopards and tigers from camera trap monitoring by WCS China from December 2019 to April 2020.

Common Name	Encounters	Sites Represented	Images/Videos	Individuals
Amur leopard	17	12	37	5
Amur tiger	154	23	438	12

During the monitoring period, leopards or tigers were captured at 30 of the 50 camera trap locations (60 percent of sites). Tigers were captured at 23 sites (46 percent of sites), and leopards were captured at 12 sites (24 percent of sites), 5 of which were sites where both tigers and leopards were captured (5 percent of sites).

We identified 12 individual tigers (6 males and 6 females) and 5 leopards (1 male, 1 female, and 3 of unknown sex) by comparing stripe and spot patterns (see Figure 1 for a representative example). Of the 12 tigers, 8 individuals had been seen in previous years and 4 were new individuals (including 2 cubs). Of the 5 leopards photographed, 3 had been recorded in the past and 2 were seen and recorded for the first time.

For monitoring in Dahuanggou, we deployed camera traps at 20 sites in April 2020, which covers approximately 180 square kilometres of important habitat for Amur tigers and leopards. Prior to the grant period in January 2020 and with other support, we had found tiger and leopard tracks in Dahuanggou, then conducted a week of snow tracking to help inform our camera trap placement.

Therefore, we set up 40 infrared cameras at 20 sites based on this work in a 3 square kilometre grid. We look forward to presenting monitoring results of this effort in our final report.



Figure 1. Examples of how our team compares stripe and spot patterns to identify individual Amur tigers and leopards.

Activity 1.2. Snow track Amur leopards and tigers in and around HNR

We have not yet initiated work toward this activity as it is too early in the year. We expect to begin in November and December 2020, when there is usually snow cover. Should weather conditions permit, we will include the details and results of this activity in our final report.

Objective 2. Improve law enforcement in TLNP with SMART

Activity 2.1. Conduct an assessment of previous efforts to implement SMART, and determine weak points and opportunities for improvement

Activity 2.2. Work with HNR staff to correct deficiencies and improve law enforcement efforts

Activity 2.3. Conduct a workshop to explain SMART

For Objective 2 and all related activities, we expect field work to take place between September and December 2020. We are currently in the process planning to undertake these efforts by contacting experts and local partners to discuss the work. As with other activities planned for later in the grant period, we look forward to presenting our results in the final report.

Give details of any obstacles to success that the project has encountered over the last 6 months.

(Please provide detailed examples, explain what impact these will have on the project results and the changes to the budget and timetable of project activities)

Over the past six months, the project has not been significantly affected by the impacts of the global Covid-19 pandemic or other obstacles. Although the deployment of cameras in Dahuanggou was delayed for nearly a month due to Covid-19, we were able to complete this activity without further complications.

Additionally, we lose cameras or SD cards every year, which is unpredictable, but we are pleased to report that we have experienced no theft of camera traps during this period. Furthermore, our review and assessment of SMART is being communicated and advanced with partners. If we cannot proceed as planned due to Covid-19, we will adjust our work plan in time so as not to affect the implementation of the project. **Budget:** Is the spend on target? **If not, please give details and provide an updated budget sheet.**

Yes, spending is on target. While we have only incurred expenses within the Materials and non-field equipment budget lines, we fully expect to spend across all other WildCats supported categories through upcoming field activities.

Media: Please provide a list of recent publications and media both local and national which mentions the work funded by this project and/or mentions WildCats Conservation Alliance

N/A

1. Monitoring efforts in Jilin Province, China. Photo © WCS China
2. Two-person monitoring efforts in Jilin Province, China. Photo © WCS China
3. An Amur leopard walking by a camera trap in Jilin Province, China. Photo © WCS China
4. An Amur leopard captured by a camera trap in Jilin Province, China. Photo © WCS China
5. An Amur tiger captured by a camera trap in Jilin Province, China. Photo © WCS China
6. An Amur tiger in the snow in Jilin Province, China. Photo © WCS China

Interim Financial Report to the WildCats Conservation Alliance
Monitoring Populations of Amur Leopards and Tigers in Northeast China

Grant Period: February 1, 2020 - January 31, 2021

Report Period: February 1, 2020 - June 30, 2020

WCS Reference: 111758



Category/Budget Item	Cost Breakdown	Unit Description	Cost per Unit (GBP)	No. Units	Frequency	Total cost	Year 1						
							WildCats Requested Funding (GBP)	Other Funding Applied (GBP)	Other Funding Secured (GBP)	Year 1 Costs	WildCats Supported Expenses (GBP)	Other Funding Expenses (GBP)	
Personnel													
China Director	1 person/.2FT/1 year	Monthly salary for 1 PT member of staff for 1 year	5,553	0.2	12	13,327	4,221	9,106		13,327			
Project Manager	1 person/.5FT/1 year	Monthly salary for 1 FT member of staff for 1 year	1,971	0.5	12	11,826	1,971	9,855		11,826		3,320	
Project Assistant	1 person/.5FT/1 year	Monthly salary for 1 FT member of staff for 1 year	1,232	0.5	12	7,392	1,232	6,160		7,392			
Admin Assistant	1 person/.5FT/1 year	Monthly salary for 1 FT member of staff for 1 year	1,084	0.5	12	6,504	1,084	5,420		6,504			
Driver and guide for field activity	4 person/daily rate/46 days	Consultancy contract	25	4	46	4,600	3,700	900		4,600		1,069	
						Subtotal	43,649	12,208	31,441	0	43,649	0	4,389
Operating Expenses													
Office rent for field office	cost/month/1 year	Office rental cost for 1 year	273.8	1	12	3,286	1,084	2,202		3,286		2	
Electricity/ Water/ Telephone/Internet	cost/month/1 year	All Electricity/ Water/ Telephone/Internet cost for 1 year	29.8	1	12	357	118	239		357		68	
Sundry Office Supplies	cost/month/1 year	Supplies cost for 1 year	59.5	1	12	714	236	478		714		166	
						Subtotal	4,357	1,438	2,919	0	4,357	0	236
Field & Local Travel Expenses/Rations													
Camera trapping	cost/36 days/1 yr	4 people field meals during camera trap	11.9	144	1	1,714	1,285	429		1,714		500	
Snow tracking	cost/10 days/1 yr	4 people field meals during snow track	11.9	40	1	476	476			476		0	
						Subtotal	2,190	1,761	429	0	2,190	0	500
Vehicle Expenses													
Fuel for camera trapping	cost/36 days/1 yr	2 vehicle fuel for camera trap	17.9	72	1	1,286	964	322		1,286		210	
Fuel for snow tracking	cost/10 days/1 yr	1 vehicle fuel for snow track	17.9	10	1	179	179			179		0	
Vehicle maintenance	cost/1 vehicles/1 yr	1 year maintenance for 1 vehicle	1428.6	1	1	1,429	714	714		1,428		1,028	
						Subtotal	2,893	1,857	1,036	0	2,893	0	1,238
Field Equipment/Rations													
Camera Traps	cost/12 traps/1 yr	Infrared camera traps	136.9	12	1	1,643		1,643		1,643		0	
						Subtotal	1,643	0	1,643	0	1,643	0	0
International Travel													
International travel for foreign expert	return ticket/trip/1 yr	Return flight and visas for 1 person from within asia region	446.4	1	1	446	446			446		0	
Lodging and meals for foreign expert	cost/4 days/1 yr	Lodging and meals for 1 foreign expert	65.5	4	1	262	262			262		0	
						Subtotal	708	708	0	0	708	0	0
Training													
Training meeting room rental	cost/1 day/1 training	1 meeting room rental for 1 day	285.7	1	1	286	286			286		0	
Work meals for training	cost/2 meals/1 training	Work meals for participant	178.6	2	1	357	357			357		0	
Tea break	cost/1 day/1 training	Tea break for 1 day	23.8	1	1	24	24			24		0	
						Subtotal	667	667	0	0	667	0	0
Materials and Non-field Equipment													
Batteries	cost/5040 piece/1 yr	Camera batteries	0.50	5,040	1	2,520	1,680	840		2,520	855	187	
Miscellaneous supplies	cost/4 times/1 yr	Other materials	59.5	4	1	238	214	24		238	40	157	
						Subtotal	2,758	1,894	864	0	2,758	896	344
						Grand Total	58,865	20,534	38,332	0	58,865	896	6,705

Approved by:

Robert Calamo
VP/Comptroller WCS & CFO Global Division

7/22/2020
Date