

Precious image evidence of Siberian tiger eating bears found for the first time in Xiaoxinganling

小兴安岭首次找 到东北虎吃熊的 珍贵影像证据

兴安 (Xīng ān) Xing'an county in Guilin "桂林", Guangxi, Hinggan league, a prefecture level subdivision of Inner Mongolia, Xing'an district of Hegang city "鹤岗", Heilongjiang. 岭 (lǐng) mountain range, mountain ridge. 首次 (shǒucì) first, first time, for the first time. 东北虎 (dōngběihǔ) Amur tiger. 珍贵 (zhēnguì) precious. 影像 (yǐngxiàng) image. 证据 (zhèngjù) evidence, proof, testimony.

On the screen,

画面上,

A simple and honest black bear,

一只憨厚的黑熊,

Is standing upright like a human being,

正在像人类一样直立起身来,

Chasing the food hanging on the rope with his mouth.

用嘴**巴追啃**着挂在**绳子** 上的**食物**。

during this process,

在此过程中,

憨厚 (hānhou) simple and honest, straightforward. 黑熊 (hēixióng) Asiatic black bear (Ursus thibetanus).

人类 (rénlèi) humanity, human race, mankind. 直立 (zhílì) erect, upright. 起身 (qǐshēn) to get up, to leave, to set forth.

嘴巴 (zuǐba) mouth"一张嘴巴", slap in the face"一个嘴巴". 追 (duī) to sculpt, to carve, musical instrument (old). 啃 (kěn) to gnaw, to nibble, to bite. 绳子 (shéngzi) cord, string, rope"一条绳子". 食物 (shíwù) food"一种食物".

在此 (zàicǐ) hereto, here.



The white patterns on their chests,

它们胸前的白色花纹,

它们 (tāmen) they (for inanimate objects). 胸前 (xiōngqián) (on the) chest, bosom. 白色 (báisè) white, fig. reactionary, anti-communist. 花纹 (huāwén) decorative design.

Clearly exposed to the infrared camera lens.

清晰地暴露在红外相机镜头中。

清晰 (qīngxī) clear, distinct. 暴露 (bàolù) to expose, to reveal, to lay bare, also pr. . 红外 (hóngwài) infrared (ray). 相机 (xiàngjī) at the opportune moment, as the circumstances allow, abbr. for "照相机". 镜头 (jìngtóu) camera lens, camera shot (in a movie etc), scene.

This is an experiment on individual identification of black bears conducted by researchers.

这是科研人员进行的一 次黑熊**个体**识别的**实** 验, 科研人员 (kēyánrényuán) (scientific) researcher. 个体 (gètǐ) individual. 实验 (shíyàn) experiment, test"一次实验", experimental, to experiment.

It is understood that

据了解,

Due to the lack of patterns on the black bear's body surface that are convenient for individual identification, 由于黑熊体表缺少便于个体识别的花纹,

体表 (tǐbiǎo) body surface, appearance. 便于 (biànyú) easy to, convenient for.

The white pattern on their chest becomes the only reference that can distinguish individuals. 它们胸前的白色图案成 为唯一可以区分个体的 参考。

图案 (tú àn) design, pattern. 唯一 (wéiyī) only, sole. 区分 (qūfēn) to differentiate, to find differing aspects. 参考 (cānkǎo) consultation, reference, to consult, to refer.

In order to induce them to reveal the pattern on their chests.

为了**诱使**它们露出胸前 的花纹,

诱使 (yòushǐ) to lure into, to entrap, to trick into, to entice, to induce, to invite, to tempt. 露出 (lùchū) to expose, to show, also pr. .

The researchers designed the above experimental program.

科研人员**便设计**了以上 的实验**方案**。

便 (biàn) ordinary, plain, convenient, as convenient, when the chance arises, handy, easy, informal, simple, so, thus, to relieve oneself, to urinate, to defecate, equivalent to "就": then, in that case, even if, soon afterwards. 设计 (shèji) plan, design, to design, to plan"一个设计". 方案 (fāng àn) plan, program (for action etc), proposal, proposed bill"一套方案".

This extremely cooperative bear is also very popular among researchers. 这只**极其配合**的小熊也 因此深受科研人员的喜 爱。 极其 (jíqí) extremely. 配合 (pèihé) matching, fitting in with, compatible with, to correspond, to fit, to conform to, rapport, to coordinate with, to act in concert with, to cooperate, to become man and wife, to combine parts of machine. 深受 (shēnshòu) to receive in no small measure. 喜爱 (xǐ ài) to like, to love, to be fond of, favorite.

however,

然而,



Soon after.

不久之后,

不久 (bùjiǔ) not long (after), before too long, soon, soon after.

This cute little bear.

这只可爱的小熊,

They were hunted and killed by the Siberian tiger and most of them were eaten. 却被东北虎猎杀并吃掉大部分。

猎杀 (lièshā) to kill (in hunting). 吃掉 (chīdiào) to eat up, to consume. 大部分 (dàbùfen) in large part, the greater part, the majority.

Zhang Yingxiang, Heilongjiang Taipinggou National Nature Reserve Administration Bureau: 黑龙江太平沟国家级自 然保护区管理局 张迎 祥:

黑龙江 (Hēilóngjiāng) Heilongjiang province (Heilungkiang) in northeast China, abbr. "黑", capital Harbin "哈尔滨", Heilongjiang river forming the border between northeast China and Russia, Amur river. 太平 (Tàipíng) place name. 沟 (gōu) ditch, gutter, groove, gully, ravine"一道沟". 国家级 (guójiājí) national level (e.g. nature reserve). 自然保护区 (zìránbǎohùqū) nature reserve. 局 (jú) narrow. 祥 (xiáng) auspicious, propitious.

That bear is actually quite a pity,

那只熊其实挺可惜的,

Because when we are doing special surveys on black bears and brown bears.

因为我们在做黑熊、棕 熊专项调查的时候,

棕熊 (zōngxióng) brown bear. 专项 (zhuānxiàng) special, dedicated.

There is a bear in this position that is very smart,

在这个位置有那么一只熊非常聪明,

位置 (wèizhi) position, place, seat"一个位置".

So our experts call it the smartest bear in the world.

所以我们**专家称为**是世 界上最聪明的一只熊。 专家 (zhuānjiā) expert, specialist"一个专家". 称为 (chēngwéi) called, to call sth (by a name), to name.

It is when we experiment with it,

它就是当我们给它做实 验的时候,

It can climb trees,

它能上树,

Go up our rope,

顺着我们的绳子上去,

顺着 (shùnzhe) to follow, following, along.

Just like people command,

就像人指挥的一样,

指挥 (zhǐhuī) to conduct, to command, to direct, conductor (of an orchestra)"一个指挥".



它非常聪明能抓到那个 It is very clever to catch that 抓 (zhuā) to grab, to catch, to arrest, to snatch, to scratch. food. 食物。 But the laws of nature cannot 但是自然法则逃脱不 自然法 (zìránfǎ) natural law. 则 (zé) conjunction used to express contrast with a previous escape, 掉, sentence or clause, standard, norm, rule, to imitate, to follow, then, principle, classifier for written items (such as an official statement). 逃脱 (táotuō) to run away, to escape. 弱肉强食。 The weak eat the strong. 弱肉强食 (ruòròuqiángshí) lit. the weak are prey to the strong (idiom); fig. predatory behavior, the law of the jungle. Tiger eating bear incident 老虎吃熊事件追踪 事件 (shìjiàn) event, happening, incident"一个事 件". 追踪 (zhuīzōng) to follow a trail, to trace, to tracking pursue. 在对小熊的惋惜之余, While regretting the little bear, 惋惜 (wǎnxī) to regret, to feel that it is a great pity, to feel sorry for sb. 余 (Yú) surname Yu. 老虎吃熊的事件也引起 The tiger eating bear incident also attracted the attention of 了专家们的关注, experts. It is understood that 据了解, Black bears are beasts of 黑熊是自然界的猛兽, 自然界 (zìránjiè) nature, the natural world. 猛兽 (měngshòu) ferocious beast, fierce animal. nature, Rarely encounter natural 鲜少遇到天敌。 鲜少 (xiǎnshǎo) very few, rarely. 天敌 (tiāndí) predator, natural enemy. enemies. Before that. 在此之前, 在此之前 (zàicǐzhīqián) before that, beforehand, previously. 国内并没有黑熊被其他 There is no video record of 记录 (jìlù) to record, record (written account), black bears being hunted by note-taker, record (in sports etc)"一个记录". 动物猎杀的影像记录。 other animals in China. Liu Fang, Associate 中国林业科学院 副研究 林业 (línyè) forest industry, forestry. 科学院 (kēxuéyuàn) academy of sciences"一个科学院". Researcher, Chinese Academy 员 刘芳:



副 (fù) secondary, auxiliary, deputy, assistant,

(yánjiūyuán) researcher.

vice-, abbr. for "副词" adverb, classifier for pairs, sets of things & facial expressions. 研究员

of Forestry:

Judging from the situation in our country,

从我们国家的情况来 看,

There is no conclusive evidence that tigers eat black bears in other areas. 在其它区域还没有拍摄 到老虎吃黑熊**的确**凿的 证据,

其它 (qítā) other, the others, else, other than it, in addition to the thing mentioned above. 区域 (qūyù) area, region, district. 拍摄 (pāishè) to film, to shoot (a picture). 的确 (díquè) really, indeed. 凿 (záo) chisel, to bore a hole, to chisel or dig, certain, authentic, irrefutable.

This is the first discovery in China.

这在国内是首次发现。

Professor Lu Zhi from Peking University who has been doing animal research for many years, 进行动物研究多年的北京大学吕植教授,

北京大学 (Běijīng Dàxué) Peking University. 吕 (Lǚ) surname Lü.

The same said it was the first time I heard.

同样表示是第一次听说。

听说 (tīngshuō) to hear (sth said), one hears (that), hearsay, listening and speaking.

Professor Lu Zhi, School of Life Sciences, Peking University:

北京大学生命科学院教 授吕植:

siences, Peking University: 授吕植:

我还真没听说过老虎吃活熊,

This is the first time I heard.

I have never heard of tigers

eating live bears,

这是第一次听说。

生命科学 (shēngmìngkēxué) life sciences.

For the tiger eating the bear,

对老虎吃熊的事件,

The reporter conducted further investigation.

记者进行了进一步调查。

Liu Yanlin is a witness of this process,

刘彦林是这一过程的亲 历者,

亲历 (qīnlì) personal experience.

On the day of the incident,

事发当天,

当天 (dàngtiān) that day, the same day.

When they conducted a special study on cats in the woodland,

他们一行在林<mark>地</mark>中进行 猫科动物专项研究时,

一行 (yīxíng) party, delegation. 林地 (líndì) woodland. 猫科 (māokē) Felidae (the cat family).



I found tiger tracks on the ground,

在地面发现了老虎的足迹,

地面 (dìmiàn) floor, ground, surface. 足迹 (zújì) footprint, track, spoor.

Followed all the way,

便一路跟踪,

一路 (yīlù) the whole journey, all the way, going the same way, going in the same direction, of the same kind. 跟踪 (gēnzōng) to follow sb's tracks, to tail, to shadow, tracking.

Hope to have new discoveries.

希望能有新的发现。

Liu Yanlin, Heilongjiang Taipinggou National Reserve Administration Bureau: 黑龙江太平沟国家级保护区管理局 刘彦林:

保护区 (bǎohùqū) conservation district"一片保护区".

We rush over,

我们赶过去,

The bear's belly and neck were eaten by the tiger,

熊的腹部和颈前部被虎吃掉了,

腹部 (fùbù) abdomen, belly, flank. 颈 (jǐng) neck. 前部 (qiánbù) front part, front section.

The meat was still steaming.

当时的肉还冒着热气。

冒着 (màozhe) to brave, to face dangers. 热气 (rèqì) steam, heat"一股热气".

The fellow Zhang Yingxiang and Su Quanyong talked about the scene at that time.

同行的张迎祥和苏全勇 说起当时的场景,

同行 (tóngháng) person of the same profession, of the same trade, occupation or industry. 祥和 (xiánghé) auspicious and peaceful. 苏 (sū) see "啰苏". 说起 (shuōqǐ) to mention, to bring up (a subject), with regard to, as for. 场景 (chǎngjǐng) scene, scenario, setting.

Still feeling terrified.

仍然感觉胆颤心惊。

胆颤心惊 (dǎnchànxīnjīng) panic-stricken.

Zhang Yingxiang, Heilongjiang Taipinggou National Nature Reserve Administration Bureau: 黑龙江太平沟国家级自 然保护区管理局 张迎 祥:

The next day we follow the usual practice,

第二天我们按照惯例,

第二天 (dì èrtiān) next day, the morrow. 惯例 (guànlì) convention, usual practice.

When I took that path and continued to follow the tiger's footprint,

还走那条道继续跟踪虎 足迹的时候,



Found that the road we walked yesterday,

发现昨天我们走过的那 条道上,

走过 (zǒuguò) to walk past, to pass by.

There are traces of tigers stepping on our footprints down the mountain, 有虎踩着我们脚印下山的痕迹,

踩 (cǎi) variant of "踩". 脚印 (jiǎoyìn) footprint. 下山 (xiàshān) (of the sun) to set. 痕迹 (hénjì) vestige, mark, trace.

We felt terrible at that time.

那个时候我们觉得很**可** 怕。 可怕 (kěpà) awful, dreadful, fearful, formidable, frightful, scary, hideous, horrible, terrible, terribly.

Fortunately, there were a lot of people going up the mountain,

还好我们当时上山的人 多, 还好 (háihǎo) not bad, tolerable, fortunately. 上山 (shàngshān) to go uphill, to spin cocoon (silkworms), to pass away.

Will the Siberian tiger attack when there are few people?

人少的时候东北虎会不 会**攻击**, 会不会 (huìbùhuì) (posing a question: whether sb, something) can or cannot?, is able to or not. 攻击 (gōngjī) to attack, to accuse, to charge, an attack (terrorist or military).

It's hard to say.

就不好说了。

不好说 (bùhǎoshuō) hard to say, unpleasant to say, can't be sure.

Heilongjiang Taipinggou National Nature Reserve Management Bureau Su Quanyong: 黑龙江太平沟国家级自 然保护区管理局 苏全 勇:

The tiger's lying trace was also found on the top of the mountain,

在山顶也发现了虎的卧迹,

山顶 (shāndǐng) hilltop. 卧 (wò) to lie, to crouch. 迹 (jì) footprint, mark, trace, vestige, sign, indication, Taiwan pr. .

I followed the trace of the tiger pulling the bear down,

我顺着老虎把熊**拽**下来 的痕迹, 拽 (yè) to drag, to haul.

Go up and take a look at the scene of their fight.

往上走去看了一下他们 的**打斗现场**。 走去 (zǒuqù) to walk over (to). 打斗 (dǎdòu) to fight. 现场 (xiànchǎng) the scene (of a crime, accident etc), (on) the spot, (at) the site.

After walking some distance,

走了一段距离后,

I found there was a bear's warehouse.

我就发现有一个熊的地

仓 (cāng) barn, granary, storehouse, cabin, hold (in ship).



Evidence beyond the description of the witness,

对亲历者描述之外的证据,

之外 (zhīwài) outside, excluding.

The reporter also conducted repeated questioning and verification.

记者也进行了反复的追问和核实。

反复 (fǎnfù) repeatedly, over and over. 追问 (zhuīwèn) to question closely, to investigate in detail, to examine minutely, to get to the heart of the matter.

reporter:

记者:

Bear's corpse,

熊的尸体,

尸体 (shītǐ) dead body, corpse, carcass"一具尸体".

How did you confirm that the tiger ate it?

当时你们怎么确认是老虎吃的?

确认 (quèrèn) to confirm, to verify, confirmation.

Liu Yanlin, Heilongjiang Taipinggou National Reserve Administration Bureau: 黑龙江太平沟国家级保护区管理局 刘彦林:

Because there are also fighting scenes and footprints,

因为也有打斗现场、足 迹,

There are tigers lying next to the tiger's footprint,

虎的足迹旁边还有虎的 卧迹,

Not less than three lying tracks,

不少于三处卧迹,

不少 (bùshǎo) many, a lot, not few.

It should rest nearby after eating.

它吃完以后应该就在附近休息。

吃完 (chīwán) to finish eating.

As the saying goes,

俗语说,

俗语 (súyǔ) common saying, proverb, colloquial speech.

Tigers roar in the mountains and forests and all beasts are shocked.

虎啸山林百兽惊。

啸 (xiào) to hiss, to whistle. 百兽 (bǎishòu) all creatures, every kind of animal.

The tiger eats the bear,

老虎吃熊,



At present, it is only a case.

在目前看来仅是个案。

目前 (mùqián) at the present time, currently. 看来 (kànlai) apparently, it seems that. 个案 (gè àn) a case, an individual case, case-by-case.

but,

但是,

As many Siberian tigers entered Taipinggou and even the Xiaoxing'anling area, 随着多只东北虎进入太 平沟乃至小兴安岭**地** 区, 乃至 (nǎizhì) and even, to go so far as to. 地区 (dìqū) local, regional, district (not necessarily formal administrative unit), region, area, as suffix to city name, means prefecture or county (area administered by a prefecture level city or county level city)"一个地区".

What changes will happen to the animal community in the jungle, 丛林中的动物群落又将 发生什么样的变化, 丛林 (cónglín) jungle, thicket, forest, Buddhist monastery. 群落 (qúnluò) biocoenosis, ecological community.

Further monitoring and research are needed.

还需要进一步的<mark>监测</mark>和 研究。

监测 (jiāncè) to monitor.

What is visible to the naked eye is,

肉眼可见的是,

肉眼 (ròuyǎn) naked eye, layman's eyes. 可见 (kějiàn) it can clearly be seen (that this is the case), it is (thus) clear, clear, visible.

The frequency of bears,

熊出没的频次,

频 (pín) frequency, frequently, repetitious.

There is indeed a significant decline.

确实出现了明显的下降。

明显 (míngxiǎn) clear, distinct, obvious. 下降 (xiàjiàng) to decline, to drop, to fall, to go down, to decrease.

Chen Zhigang, Director of Heilongjiang Taipinggou National Nature Reserve Administration Bureau: 黑龙江太平沟国家级自 然保护区管理局 局长 陈 志刚:

局长 (júzhǎng) bureau chief"一个局长". 陈 (Chén) surname Chen, vassal state during the Spring and Autumn Period 770-475 BC, Chen of the Southern dynasties (557-589).

After the Siberian tiger came,

要说东北虎来之后,

要说 (yàoshuō) as for, when it comes to.

There is really a big change in the number of bears.

熊的数量是真有一个很 大的变化。

Before the Siberian tiger came,

就是以前东北虎没来之前,

通过红外相机监测**总能** 发现成群结队的黑熊和 棕熊的出没。

总能 (zǒngnéng) total energy. 成群结队 (chéngqúnjiéduì) making up a group, forming a troupe (idiom); in large numbers, as a large crowd.

Through infrared camera monitoring, we can always find black bears and brown bears in groups.



After the first Siberian tiger came to our reserve,

第一只东北虎来到咱保护区之后,

来到 (láidào) to come, to arrive.

Monitoring in recent years,

这几年再监测,

几年 (jǐnián) a few years, several years, how many years.

It was discovered that the number of brown bears and black bears is gradually decreasing. 就发现棕熊黑熊的数量 逐渐在减少。

逐渐 (zhújiàn) gradually.

This may also be reflected in the relationship between top predators, 这种也可能**体现**出来就 是同是**顶级猎**食者之 间.

体现 (tǐxiàn) to embody, to reflect, to incarnate. 顶级 (dǐngjí) top-notch, first-rate. 猎 (liè) hunting.

Bears still have a fear of tigers,

熊还是对老虎有一种畏惧的.

畏惧 (wèijù) to fear, to dread, foreboding.

It still has an impact on the distribution of bears.

还是对熊的**分布**有一定 影响。 分布 (fēnbù) distributed, to distribute.

Animal experts believe that

动物专家则认为,

In recent years, the bear population in Taipinggou forest area,

近年来太平沟林区的熊 类种群, 近年来 (jìnniánlái) for the past few years. 林区 (línqū) region of forest. 类 (lèi) kind, type, class, category, similar, like, to resemble. 种群 (zhǒngqún) population (of a species), community (of animals or plants).

Has been showing an increasing trend,

一直呈现增长趋势,

呈现 (chéngxiàn) to appear, to emerge, to present (a certain appearance), to demonstrate. 增长 (zēngzhǎng) to grow, to increase. 趋势 (qūshì) trend, tendency.

If we can usher in natural enemies.

如果能够迎来天敌,

Adjust their number appropriately,

适当调节它们的数量,

适当 (shìdàng) suitable, appropriate. 调节 (tiáojié) to adjust, to regulate, to harmonize, to reconcile (accountancy etc).

The forest ecosystem will adjust itself to a new state of equilibrium.

林区生态系统将自我调整到一个新的**平衡状**态。

生态系统 (shēngtàixìtǒng) ecosystem. 调整 (tiáozhěng) to adjust, adjustment, revision"一个调整". 平衡 (pínghéng) balance, equilibrium. 状态 (zhuàngtài) state of affairs, state, mode, situation"一个状态".



Liu Fang, associate researcher of the Chinese Academy of Forestry:

中国林业科学院副研究员 刘芳:

What can be predicted in the future is,

未来可以预测的是,

未来 (wèilái) future, tomorrow"一个未来", approaching, coming, pending. 预测 (yùcè) to forecast, to predict.

The more tigers,

老虎越多,

Its predation of black bears should increase,

它对黑熊的捕食应该会增加,

捕食 (bǔshí) to prey on, to catch and feed on, to hunt for food.

For the population of black bears,

对黑熊的种群数量来说 呢,

It is a regulating function.

是一个调节的作用。

Co-distribution of multiple carnivores in Taipinggou Nature Reserve 太平沟保护区多种食肉 动物同域分布

多种 (duōzhŏng) many kinds of, multiple, diverse, multi-. 食肉动物 (shíròudòngwù) carnivore. 域 (yù) field, region, area, domain (taxonomy).

In Taipinggou Nature Reserve in Heilongjiang,

在黑龙江太平沟自然保 护区,

There are multiple top carnivores in the same domain and concentrated distribution.

存在多种顶级食肉动物 同域、**集中**分布的情况。 存在 (cúnzài) to exist, to be, existence. 集中 (jízhōng) to concentrate, to centralize, to focus, centralized, concentrated, to put together.

What is the jungle world that can host so many carnivores?

能够**承载**如此之多食肉动物的丛林世界是什么样子?

承载 (chéngzài) to bear the weight, to sustain.

The location on the screen is located in the Taipinggou Nature Reserve in Heilongjiang Province.

画面上的地点**位于黑龙** 江省太平沟自然保护 区,

位于 (wèiyú) to be located at, to be situated at, to lie. 黑龙江省 (Hēilóngjiāng Shěng) Heilongjiang Province (Heilungkiang) in northeast China, abbr. "黑", capital Harbin "哈尔滨".

Boris the Siberian Tiger,

东北虎鲍里斯,

鲍 (Bào) surname Bao. **斯 (Sī)** Slovakia, Slovak, abbr. for "斯洛伐克".



It is a Siberian tiger migrating from Russia on the other side of Heilongjiang. 是一只从黑龙江对岸的 俄罗斯**迁徙过来**的东北 虎。 对岸 (duì àn) opposite bank (of a body of water). 迁徙 (qiānxǐ) to migrate, to move. 过来 (guòlái) to come over, to manage, to handle, to be able to take care of.

After entering Taipinggou,

进驻太平沟后,

进驻 (jìnzhù) to enter and garrison, (fig.) to establish a presence in.

He quickly occupied a piece of woodland.

他很快占领了一片林 地。

占领 (zhànlǐng) to occupy (a territory), to hold. — 片 (yīpiàn) piece, slice.

one day later,

一天后,

天后 (Tiānhòu) Tin Hau, Empress of Heaven, another name for the goddess Matsu "妈祖", Tin Hau (Hong Kong area around the MTR station with same name).

His son Thunder,

他的儿子雷霆,

Also wading from the other side,

也从对岸涉水而来,

涉 (shè) to wade, to be involved, to concern, to experience, to enter (classical).

Followed him into the same woodland.

跟他进了同一片林地。

片 (piàn) thin piece, flake, a slice, film, TV play, to slice, to carve thin, partial, incomplete, one-sided, classifier for slices, tablets, tract of land, area of water, classifier for CDs, movies, DVDs etc, used with numeral "—": classifier for scenario, scene, feeling, atmosphere, sound etc.

Xiangan Wuju started their cruise after "occupying the mountain as king",

相安无扰开始了各 自 "占山为王"后的巡游,

各自 (gèzì) each, respective, apiece. 占 (zhàn) variant of "占". 王 (wàng) to rule, to reign over. 巡 游 (xúnyóu) to cruise, to patrol.

To declare sovereignty.

以宣示主权。

宣示 (xuānshì) to vow, to pledge. 主权 (zhǔquán) sovereignty.

Although the two tigers have a "father-son" relationship,

虽然两虎为"父子"关系,

父子 (fùzǐ) father and son.

"One mountain and two tigers" is still a phenomenon beyond the norm in nature.

"一山二虎"仍然是一种超乎自然界常规的现象。

常规 (chángguī) conventional (weapons), conventional, common, routine. **现象 (xiànxiàng)** appearance, phenomenon"一种现象".

In fact,

事实上,

事实上 (shìshíshàng) in fact, in reality, actually, as a matter of fact, de facto, ipso facto.



In the Taipinggou Reserve with a total area of only 220 square kilometers,

在总**面积**仅为220平方公 里的太平沟保护区, 面积 (miànjī) area (of a floor, piece of land etc), surface area, tract of land. 平方公里 (píngfānggōnglǐ) square kilometer.

Several Siberian tiger individuals have been identified successively,

先后共**识别**出多只东北 虎个体, 先后 (xiānhòu) early or late, priority, in succession, one after another. 识别 (shíbié) to distinguish, to discern.

Two or more,

两只乃至多只,

乃 (nǎi) to be, thus, so, therefore, then, only, thereupon. 至多 (zhìduō) up to the maximum, upper limit, at most.

At the same time, it is normal to exist in this valley less than 50 kilometers.

同时存在于这条不到50公里的沟谷是常态,

沟谷 (gōugǔ) gully. 常态 (chángtài) normal state.

Compared with what scientific data shows,

对比科学数据显示的,

对比 (duìbǐ) to contrast, contrast, ratio"一个对比". 数据 (shùjù) data, numbers, digital. 显示 (xiǎnshì) to show, to illustrate, to display, to demonstrate.

An individual tiger has an average territory area of about 400 square kilometers.

老虎单个个体平均为400 平方公里左右的领地面 积,

单个 (dānge) single, alone, individually, an odd one. 平均 (píngjūn) average. 领 (lǐng) neck, collar, to lead, to receive, classifier for clothes, mats, screens etc.

Taipinggou obviously has an extraordinary ecological carrying capacity.

太平沟显然有着非同寻常的生态承载能力。

显然 (xiǎnrán) clear, evident, obvious(ly). 有着 (yǒuzhe) to have, to possess. 非 (Fēi) abbr. for "非洲", Africa. 寻常 (xúncháng) usual, common, ordinary. 生态 (shēngtài) ecology.

Liu Fang, associate researcher of the Chinese Academy of Forestry:

中国林业科学院副研究员 刘芳:

If you are in an area,

如果在一个区域里面,

There are many tigers moving,

有多只老虎活动,

That means the ecological environment of this place is very good.

那就说明这个地方的生 态环境是非常**良好**的, 良好 (liánghǎo) good, favorable, well, fine.

It can provide sufficient concealed conditions and water sources,

既能够提供它充足的隐 蔽条件、水源, 充足 (chōngzú) adequate, sufficient, abundant. 隐蔽 (yǐnbì) to conceal, to hide, covert, under cover. 水源 (shuǐyuán) water source, water supply, headwaters of a river.



Then it can provide a very rich source of food,

然后又能够提供非常丰 富的食物来源, 来源 (láiyuán) source (of information etc), origin.

It shows that this is a very healthy and stable ecosystem.

说明这是一个非常健康、稳定的生态系统。

稳定 (wěndìng) steady, stable, stability, to stabilize, to pacify.

What's remarkable is that

引人注意的是,

引人注意 (yǐnrénzhùyì) to attract attention, eyecatching, conspicuous.

There are not only many tiger individuals in Taipinggou,

太平沟中不仅有多只老 虎个体,

Other top carnivores also have stable populations in the ditch.

其他顶级食肉动物也同 样在沟中有着稳定的种 群。

In another picture,

在另一个画面中,

Three strange shapes,

三只形态奇特,

形态 (xíngtài) shape, form, pattern, morphology. 奇特 (qítè) peculiar, unusual, queer.

Cat-like not cat,

似猫非猫,

似 (sì) to seem, to appear, to resemble, similar, -like, pseudo-, (more) than.

It's like a leopard but not a leopard animal,

又似豹非豹的动物,

豹 (bào) leopard, panther.

The same frame appears in the Taipinggou woodland,

同框出现在太平沟林地中,

框 (kuàng) frame (e.g. door frame), casing, fig. framework, template, to circle (i.e. draw a circle around sth), to frame, to restrict, Taiwan pr. .

Enjoy the warm autumn sun leisurely.

悠闲地享受着秋日暖阳。

悠闲 (yōuxián) variant of "悠闲", leisurely. 享受 (xiǎngshòu) to enjoy, to live it up, pleasure"一种享 受".

They are our country's secondary key protected animals,

它们是我国的二级重点 保护动物,

二级 (èrjí) grade 2, second class, category B.

Lynx, a beast of nature,

自然界的猛兽猞猁,

猞猁 (shēlì) lynx.

As a cat that is used to living alone,

作为一种习惯独居的猫 科动物,

作为 (zuòwéi) one's conduct, deed, activity, accomplishment, achievement, to act as, as (in the capacity of), qua, to view as, to look upon (sth as), to take sth to be. 独居 (dújū) to live alone, to live a solitary existence.



It can be said that the scene of the three going out together is very rare. 三只结伴外出的画面可 以说非常少见。 结伴 (jiébàn) to go with sb, to form companionships. 外出 (wàichū) to go out, to go away (on a trip etc). 少见 (shǎojiàn) rare, not familiar (to the speaker), sth rarely experience, hard to see.

Simultaneously,

同时,

They are compared with another commonly used to

compare their predation ability,

它们跟另一种常用来与它们的捕食能力相比,

相比 (xiāngbǐ) to compare.

Carnivores with inseparable attack power,

攻击力难分上下的食肉 动物,

攻击力 (gōngjīlì) potential for attack, firepower. 上下 (shàngxià) up and down, top and bottom, old and new, length, about.

Wolf,

狼.

狼 (láng) wolf"一条狼".

Presents the phenomenon of co-local distribution.

呈现同域分布的现象。

Among the many carnivores,

在为<mark>数</mark>众多的食肉动物 中.

数 (shuò) frequently, repeatedly. 众多 (zhòngduō) numerous.

Except for tigers, lynxes, wolves,

除了老虎、猞猁、狼,

Taipinggou also has two carnivorous orders,

太平沟还有两种食肉目,

食肉目 (shíròumù) Carnivora, order of carnivores within Mammalia.

Animals commonly known as beasts,

俗称猛兽的动物,

俗称 (súchēng) commonly referred to as, common term.

They are brown bears and black bears,

它们是棕熊和黑熊,

A large number and overlapping distribution in Taipinggou forest area.

大量且**重叠**分布在太平 沟林区。 大量 (dàliàng) great amount, large quantity, bulk, numerous, generous, magnanimous. 重叠 (chóngdié) to overlap, to superimpose, to telescope, to run together, to duplicate, one over another, superposition, an overlap, redundancy, reduplication (in Chinese grammar, e.g. "散散步" to have a stroll).



Chen Zhigang, Director of Heilongjiang Taipinggou National Reserve Management Bureau: 黑龙江太平沟国家级保护区管理局 局长 陈志刚:

In the first few years, when doing black bear and brown bear surveys,

头几年做黑熊、棕熊调 查的时候,

I found that there are a lot of black bears and brown bears in our reserve, 发现我们保护区内的黑 熊棕熊特别多,

About 30 to 40.

30到40只左右。

It is understood that

据了解,

The distribution of two bears in the same region is not only rare in China. 两种熊同域分布的情况 在国内不但少见,

不但 (bùdàn) not only (... but also...).

The range of species overlap is also very limited.

物种重叠的范围也非常有限。

物种 (wùzhǒng) species. 范围 (fànwéi) range, scope, limit, extent"一个范围". 有限 (yǒuxiàn) limited, finite.

This is another proof of the superior ecological function of Taipinggou.

这也是太平沟**优越**生态 **功能**的另一佐证。 优越 (yōuyuè) superior, superiority. 功能 (gōngnéng) function, capability. 佐证 (zuŏzhèng) evidence, proof, to confirm, corroboration.

Liu Fang, associate researcher of the Chinese Academy of Forestry:

中国林业科学院副研究 员 刘芳:

From the results of our infrared camera survey,

从我们的红外相机调查 结果来看,

调查结果 (diàochájiéguǒ) results (of an investigation, poll).

Within the Taipinggou Reserve,

在太平沟保护区范围 内,

There are black bears and brown bears in each area,

每个区域都是有黑熊和 棕熊分布的,

So their two species overlap in space,

所以它们两个物种在**空** 间上是重叠的,

空间 (kōngjiān) space"一个空间".



But from the time information recorded by the infrared camera,

但是从红外相机记录的 时间信息来看呢,

Then they are separated in time.

那它们在时间上是分开 来的。

分开 (fēnkāi) to separate, to part.

So the spatial niches overlap,

所以说空间生态位重 叠.

But the time niches are separated,

但是时间生态位是分开的.

Coupled with very rich food,

再加上非常丰富的食物.

加上 (jiāshàng) plus, to put in, to add, to add on, to add into, in addition, on top of that.

This is why these two species can coexist in this area.

这是这两个物种能够在这个区域共存的原因。

共存 (gòngcún) to coexist.

In addition to top carnivores,

除了顶级食肉动物,

Top raptors are also resident in Taipinggou,

顶级猛禽也在太平沟常驻,

猛禽 (měngqín) bird of prey. 常驻 (chángzhù) resident, permanent (representative).

The golden eagle, the top predator known as the "king of birds",

有"禽类王者"之称的顶级捕食者金雕,

禽类 (qínlèi) bird species, birds. 称 (chēng) to weigh, to state, to name, name, appellation, to praise. 金雕 (jīndiāo) (Chinese bird species) golden eagle (Aquila chrysaetos).

They faded their mystery in Taipinggou,

在太平沟褪去了它们的 神秘感,

褪 (tuì) to take off (clothes), to shed feathers, (of color) to fade, to discolor. 神秘 (shénmì) mysterious, mystery.

It becomes a clear image in the infrared camera.

成为在红外相机中的清晰影像。

Interestingly,

有趣的是,

They have been photographed many times,

它们多次被拍到,

多次 (duōci) many times, repeatedly. 拍 (pāi) to pat, to clap, to slap, to swat, to take (a photo), to shoot (a film), racket (sports), beat (music).

The shot of "picking up" the leftover food of the Siberian tiger.

"**捡漏**"东北虎吃剩食物的镜头。

捡 (jiǎn) to pick up, to collect, to gather. 漏 (lòu) to leak, to divulge, to leave out by mistake, waterclock or hourglass (old).



In the picture,

Unfortunately, a domestic dog became the prey of the Siberian tiger,

After being eaten by the Siberian tiger and left,

The staff set up an infrared camera next to the wreckage,

I hope to take a picture of the 期望拍摄到东北。

The Siberian tiger did not photograph it,

Unexpectedly,

Siberian tiger returning to eat,

A golden eagle unexpectedly "appeared".

Zhang Yingxiang, monitoring staff of Heilongjiang Taipinggou National Reserve Administration Bureau:

When we went to pick up this camera,

Found that the tiger hadn't come back,

The dog was eaten by the golden eagle.

At the same time, I took about 70 or 80 scenes of golden eagles eating dogs.

画面中,

一只家狗<mark>不幸</mark>成为东北 虎的<mark>猎物</mark>,

在被东北虎啃食离开后,

工作人员在残骸旁边布 设了红外相机,

期望拍摄到东北虎返回 来接着食用的画面,

东北虎没有拍到,

没想到的是,

一只金雕却**意外**"出镜"。

黑龙江太平沟国家级保护区管理局监测**人员**张迎祥:

我们**去取**这台相机的时候,

发现那个虎没回来,

这只狗被金雕给吃了。

同时拍了大概有七八十段金雕吃狗的画面,

不幸 (bùxìng) misfortune, adversity, unfortunate, sad, unfortunately"一个不幸". 猎物 (lièwù) prey.

工作人员 (gōngzuòrényuán) staff member. 残骸 (cánhái) remains, wreckage. 布 (bù) cloth, to declare, to announce, to spread, to make known. 设 (shè) to set up, to arrange, to establish, to found, to display.

期望 (qīwàng) to have expectations, to earnestly hope, expectation, hope. 食用 (shíyòng) food product, to use as food, edible.

没想到 (méixiǎngdào) didn't expect.

意外 (yìwài) unexpected, accident, mishap"一个意外". 出镜 (chūjìng) to appear on camera, to play a role in a film.

人员 (rényuán) staff, crew, personnel"一个人员".

去取 (qùqǔ) to accept or reject.

八十 (bāshí) eighty, 80.



The shots are also very clear,

拍摄的画面也非常清

晰,

The picture quality is also very good.

画质也很好。

The golden eagle is also a national first-class protected animal.

金雕也是国家一级保护 动物,

国家一级保护 (Guójiāyījíbǎohù) Grade One State protected (species).

At the same time, a dog can be eaten by a golden eagle after being eaten by a tiger.

同时一只狗能在被虎吃 掉以后又被金雕给吃 了,

This phenomenon is rarely documented.

这种现象也很少有记 录。 少有 (shǎoyǒu) rare, infrequent.

Then,

那么,

Able to inhabit and support so many carnivores,

能够栖息和供养如此之多的食肉动物,

栖息 (qīxī) to stay (for a rest), dwelling, perch (of birds). 供养 (gōngyǎng) to supply, to provide for one's elders, to support one's parents.

This jungle in Taipinggou,

太平沟的这片丛林,

What's the magic?

有什么神奇之处呢?

神奇 (shénqí) magical, mystical, miraculous.

It is understood that

据了解,

Taipinggou's forest coverage rate.

太平沟的森林覆盖率,

覆盖率 (fùgàilǜ) coverage.

Reach more than 95%.

达到95%以上,

达到 (dádào) to reach, to achieve, to attain.

Including a large number of nut tree species,

其中**包括**大量的坚果树 种, 包括 (bāokuò) to comprise, to include, to involve, to incorporate, to consist of. 坚果 (jiānguǒ) nut. 树种 (shùzhǒng) tree species.

It's autumn now,

当下正值秋季,

当下 (dāngxià) immediately, at once, at that moment, at the moment. 正值 (zhèngzhí) just at the time of, honest, upright, (math.) positive value. 秋季 (qiūjì) autumn, fall.

It's the season when Mongolian oak fruit matures.

是蒙古栎果子**成熟**的季 节,

蒙古 (Měnggǔ) Mongolia. 栎 (lì) oak, Quercus serrata. 果子 (guŏzi) fruit. 成熟 (chéngshú) mature, ripe, to mature, to ripen, Taiwan pr. .



Their fruits are rich in protein and fat,

它们的果实富含蛋白质和脂肪,

果实 (guǒshí) fruit, gains. 含 (hán) to keep, to contain, to suck (keep in your mouth without chewing). 蛋白质 (dànbáizhì) protein. 脂肪 (zhīfáng) fat (in the body, in a plant, or in food).

It is a high-quality food for wild animals.

是野生动物的优质食物。

野生动物 (yěshēngdòngwù) wild animal.

Liu Fang, associate researcher of the Chinese Academy of Forestry:

中国林业科学院副研究 员刘芳:

In the Taipinggou Reserve,

在太平沟保护区,

The Mongolian oak forest is growing particularly well like this.

像这样长势特别好的蒙 古栎林,

长势 (zhǎngshì) how well a crop (or plant) is growing, growth.

Or a mixed forest of Mongolian oak and red forest,

或者是蒙古栎和红森的 混交林,

混交林 (hùnjiāolín) mixed forest.

ls very common.

是非常普遍。

They also provide a large amount of food for wild animals.

它们给野生动物提供的 食物量也是很大的,

So we can support a series of wild animals.

所以就可以供养起我们 一系列的野生动物,

一系列 (yīxìliè) a series of, a string of.

Including ungulates and bears.

包括有蹄类、熊类。

蹄 (tí) hoof, pig's trotters.

Like brown bears and black bears,

像棕熊和黑熊呢,

The amount of acorns it consumes in autumn will basically determine its hibernation state.

它在秋季摄取的橡子的 多少基本上会决定了它 冬眠的状态, 摄取 (shèqǔ) absorb (nutrition), take a photo. 橡子 (xiàngzǐ) acorn. 基本上 (jīběnshang) basically, on the whole. 冬眠 (dōngmián) hibernation.

And its reproduction rate.

以及它的这个繁殖率。

以及 (yǐjí) as well as, too, and. 繁殖 (fánzhí) to breed, to reproduce, to propagate. 率 (lù) rate, frequency.

