

MONTHLY ECOLOGICAL REPORT

Inkaterra Machu Picchu Pueblo Hotel-ITMP
From October 1st to 31st, 2013

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FLORA & FAUNA

ORCHIDS IN BLOOM

Ada brachypus (Reichenbach f.) N.H. Williams
Ada peruviana D.E. Bennett & Christenson
Anathallis ramulosa (Lindl.) Pridgeon & M.W. Chase
Anguloa virginalis Lindley
Brachionidium carmeniae Luer
Brachionidium inkaterrense Luer & C.Soto
Brachionidium ephemereum Luer & Hirtz
Brachionidium elegans Luer & Hirtz
Cyclopogon sp.
Cyrtorchilum cimiciferum (Reichenbach f.) Dalström
Cyrtorchilum aff. *cimiciferum* (Reichenbach f.) Dalström
Cyrtorchilum fractum (Reichenbach f.) Kraenzlin
Cyrtorchilum minax (Reichenbach) Kraenzlin
Cyrtorchilum graminoides Dalström
Comparettia falcata Poeppig & Endlicher
Comparettia rubriflora (Senghas) M.W. Chase & N.H. Williams
Comparettia vallyana Collantes & G.Gerlach, sp. nov.
Dichaea aff. *muricata* (Swartz) Lindley
Elleanthus aurantiacus (Lindley) Reichenbach f.
Echinosepala aspasicensis (Rchb. f.) Pridgeon & M.W. Chase
Elleanthus aff. *capitatus* (Poeppig & Endlicher) Reichenbach f.
Epidendrum jajense Reichenbach f.
Epidendrum paniculourubambense Hágsater et E.Santiago, sp. nov.
Epidendrum quispei Hágsater & Collantes
Epidendrum ruizianum Steud.
Epidendrum schlimii Reichenbach f.
Epidendrum aff. *secundum* Jacquin
Epidendrum sophronitis Linden & Reichenbach f.
Epidendrum syringothyrsus Reichenbach f.
Epidendrum urubambae Hágsater



Brachionidium elegans Luer & Hirtz
Photo: Carmen Soto

Epidendrum sp. 1
Epidendrum sp. 3
Erythodes aff. *callophyloides* Garay
Galeottia acuminata (Schweinfurth) Dressler & Christenson
Gongora rufescens Jenny
Govenia tingens Poeppig & Endlicher
Ixyophora aurantiaca Senghas & Gerlach
Kefersteinia koechlinorum Christenson
Lepanthes alticola Schweinfurth
Lepanthes menatoi Luer & R. Vásquez
Lepanthes longipedicellata Schweinfurth
Lepanthes pteropogon Reichenbach f.C.
Lepanthes pubicaulis Schweinfurth
Lockhartia longifolia (Lindley) Schlechter
Lycaste macrophylla (Poeppig & Endlicher) Lindley}
Masdevallia antonii Koeniger
Masdevallia barlaeana Reichenbach f.
Masdevallia veitchiana Reichenbach f.
 "Wakanki", "Llorarás" "You will cry"
Masdevallia parlatoreana (híbrido natural *M.veitchiana* X *M. barlaeana*), "Wakanki", "Llorarás" "You will cry"
Maxillaria alpestris Lindley
Maxillaria brachypetala Schlechter
Maxillaria calantha Schlechter
Maxillaria floribunda Lindley
Maxillaria nasuta Reichenbach
Maxillaria gorbatschowii Vasq., Dods. & Ibisch
Maxillaria longipetala Ruiz & Pavón
Maxillaria nasuta Reichenbach
Maxillaria platypetala Ruiz & Pavón
Mormolyca acutifolia (Lindley) M.A. Blanco
Oncidium koechliniana Collantes & G.Gerlach sp. nov.
Pachyphyllum tortuosum Foldats
Platystele oxyglossa (Schlechter) Garay
Pleurothallis cordata (Ruiz & Pavón) Lindley
Pleurothallis coriacardia Reichenbach f.
Pleurothallis otopetalum (Lehmann & Kraenzlin) Schlechter
Pleurothallis phyllocardioides Schlechter
Pleurothallis ruberrima Lindley
Pleurothallis xanthochlora Reichenbach f.
Pleurothallis sp.2
Prosthechea crassilabia (Poeppig & Endlicher) Carnevali & Rodríguez
Prosthechea farfanii Dodson & Bennett
Restrepopsis aff. *tubulosa* (Lindley) Luer
Sobralia ciliata (Presl) Schweinfurth ex Foldats
Sobralia ciliata (Presl) Schweinfurth ex Foldats variedad alba
Sobralia dichotoma var. *Alba*
Sobralia aff. *setigera* Poeppig & Endlicher
Stelis purpurea (Ruiz & Pavón) Willdenow
Stelis quinquenervia Schweinfurth



***Epidendrum ruizianum* Steud.**
 Photo. Carmen Soto

Stelis sp.1

Stelis sp.2

Stellilabium pogonostalis (Reichenbach f.) Garay & Dunsterville. "Orquídea mosquito" "Mosquito orchid"

Stenia angustilabia Bennett & Christenson

Sudamerlycaste fimbriata (Poeppig & Endlicher) Archila

Sudamerlycaste locusta (Reichenbach f.) Archila

Telipogon quispei,

Trichosalpinx chamaelepanthes (Reichenbach f.) Luer

Trichosalpinx aff. *memor* (Reichenbach f.) Luer

Trichosalpinx patula Luer

Vasquezella boliviana Dodson N.G.P.

Xylobium elatum Rolfe

Xylobium aff. *millaceum* (Reichenbach f.) Rolfe

Xylobium subintegrum Schweinfurth

Xylobium variegatum (Ruiz & Pavón) Garay & Dunsterville

Zootrophion aff. *dayanum* (Reichenbach f.) Luer



Brachionidium ephemerum Luer & Hirtz
 Photo: Carmen Soto

BIRDWATCHING

Along Trail II of the orchid garden, a pair of blue banded toucaettes (*Aulacorhynchus coeruleicinctis*) were sighted (a male and a female), sitting on a "toroc" tree (*Cecropia tacuna*); this bird belongs to the *Ramphastidae* family and lives on the west side of South America.

Aulacorhynchus coeruleicinctis

Blue-banded Toucanet

Tucancillo de Franja Celeste



Andean Cock-of-the-rock
 Gallito de las Rocas Andino
Rupicola peruvianus

Photo: Carmen Soto

From the 1st to the 31st of October, between 6:00 am and 17:00, three specimens (one male and two females) of the Andean Cock of the Rock (*Rupicola peruvianus*) were observed eating fruits of different plant species on the following areas of Inkaterra Machu Picchu Pueblo Hotel: orchid trails, reception building, lobby, main dining room, room blocks from 20 to 90, sacred rock, camping area, tea house and Andean bear rescue centre. This species, member of the *Cotingidae* family, can be found on the cloud forests; the male can be easily identified by its beautiful bright red/orange colour.

Andean Cock-of-the-rock

Gallito de las Rocas Andino, Tunki

Rupicola peruvianus

From the 1st to the 31st of October, between 6:00 am and 18:00 pm several specimens of Andean Motmot (*Momotus aequatorialis*) were spotted on the following areas of the hotel orchid trails, reception building, lobby, main dining room, room blocks from 20 to 90, sacred rock, camping area, tea house and Andean bear rescue centre. This species belongs to the *Momotidae* family and has a characteristic tail that has a racket shape that swings like a pendulum.

Momotus aequatorialis
Andean Motmot
Relojero Andino



Chestnut-breasted Coronet
 Picaflor Pechicastaño
Boissonneaua matthewsii

Photo: Carmen Solo

Hummingbirds

Chestnut-breasted Coronet
 Sparkling Violetear
 Green Violetear
 White-bellied Woodstar
 Green-and-white Hummingbird
 White bellied Hummingbird
 Collared Inca
 Speckled Hummingbird
 Booted Racket-tail
 Long tailed Sylph
 Bronzy Inca

Picaflor Pechicastaño
 Oreja-Violeta Iridiscente
 Oreja-Violeta Verde
 Estrellita de Vientre Blanco
 Colibrí Verde y Blanco
 Colibrí de Vientre Blanco
 Inca Acollarado
 Colibrí Jaspeado
 Picaflor Cola Raqueta
 Sílfide Colalarga
 Inca Bronceado

Boissonneaua matthewsii
Colibrí coruscans
Colibrí thalassinus
Chaetocercus mulsant
Amazilia viridicauda
Leucippus chionogaster
Coeligena torquata
Adelomyia melanogenys
Ocreatus underwoodii
Agelaiocercus kingi
Coeligena coeligena

Tanager

Silver-beaked Tanager	Tangara de Pico Plateado	<i>Ramphocelus carbo</i>
Fawn-breasted Tanager	Tangara de Pecho Anteado	<i>Pipraeidea melanonota</i>
Blue-and-black Tanager	Tangara Azul y Negro	<i>Tangara vassorii</i>
Golden-naped Tanager	Tangara de Nuca Dorada	<i>Tangara ruficervix</i>
Beryl-spangled Tanager	Tangara Lentejuelaza	<i>Tangara nigroviridis</i>
Saffron-crowned Tanager	Tangara Coroniazafrán	<i>Tangara xanthocephala</i>
Silver backed Tanager	Tangara espalda plateada	<i>Tangara viridicollis</i>
Blue-necked Tanager	Tangara cuello azul	<i>Tangara cyanicollis</i>
Blue-and-yellow Tanager	Tangara Azul y Amarillo	<i>Thraupis bonariensis</i>
Blue and gray Tanager	Tangara Azuleja, Azulejo	<i>Thraupis episcopus</i>
Palm Tanager	Tangara de Palmeras	<i>Thraupis palmarum</i>
Blue-capped Tanager	Tangara Gorra azul	<i>Thraupis cyanicephala</i>
Oleaginous Hemispingus	Hemispingo Oleaginoso	<i>Hemispingus frontales</i>
Rust-and-yellow Tanager	Tangara Rojiamarilla	<i>Thlypopsis ruficeps</i>
Common Bush Tanager	Tangara Matorralera Común	<i>Chlorospingus optthalmicus</i>
Blue Dacnis	Mielero Azul	<i>Dacnis cayana</i>
Capped Conebill	Picocono Coronado	<i>Conirostrum albifrons</i>



Blue-necked Tanager
 Tangara cuello azul
Tangara cyanicollis

Photo: Carmen Soto

Warblers

Slate-throated Whitestart	Candelita garganta plomiza	<i>Myioborus miniatus</i>
Spectacled Whitestart	Candelita de anteojos	<i>Myioborus melanocephalus</i>
Tropical Parula	Reinita tropical	<i>Parula pitiayumi</i>
Citrine Warbler	Reinita naranjera	<i>Basileuterus luteoviridis</i>
Pale-legged Warbler	Reinita patas palidas	<i>Basileuterus signatus</i>
Russet-crowned Warbler	Reinita corona roja	<i>Basileuterus coronatus</i>

Flycatcher

Tropical Kingbird
 Golden-crowned Flycatcher
 Slaty capped Flycatcher
 Streak-necked Flycatcher
 Common Tody-Flycatcher
 Cinnamon Flycatcher
 Marble-faced Bristle Tyrannulet
 Mottled-cheeked Tyrannulet
 Ashy-headed Tyrannulet
 Plumbeous-crowned Tyrannulet
 White-winged Black Tyrant
 Sclater's Tyrannulet
 Smoke-colored Pewee
 White-crested Elaenia
 Yellow-bellied Elaenia
 Sierran Elaenia
 Highland Elaenia

Piperito, corregidor
 Tirano Coronadorada
 Atrapamoscas Gorro Apizarrado
 Atrapamoscas cuello listado
 Picoespátula Común
 Atrapamoscas Canela
 Buscamoscas Carijaspado
 Moscarela de Mejillas Moleadas
 Moscarela de Cabeza Ceniza
 Moscarela de Corona Plomiza
 Viudita Aliblanca
 Buscamoscas de Sclater
 Pibí Ahumado
 Elaenia Crestiblanca
 Elaenia Ventriamarilla
 Elaenia de Pallatanga
 Elaenia oscura

Tyrannus melancholicus
Myiodynastes chrysocephalus
Leptopogon superciliosus
Mionectes striaticollis
Todirostrum cinereum
Pyrrhomyias cinnamomea
Pogonotriccus ophthalmicus
Phylloscartes ventralis
Phyllomyias cinereiceps
Phyllomyias plumbeiceps
Knipolegus aterrimus
Phyllomyias sclateri
Contopus fumigatus
Elaenia albiceps
Elaenia flavogaster
Elaenia pallatangae
Elaenia obscura

Siskins, Euphonia and Chlorophonia

Olivaceous Siskin
 Thick-billed Euphonia
 Blue-naped Chlorophonia

Jilguero Oliváceo
Euphonia lanirostris
 Clorofonia de Nuca Azul

Carduelis olivacea
 Eufonia de Pico Grueso
Chlorophonia cyanea



Aulacorhynchus coeruleicinctis
 Blue-banded Toucanet
 Illo de Franja Celeste
 Carmen Soto

Other birds

Andean Guan	Pava Andina	<i>Penelope montagnii</i>
Dusky Green Oropendola	Paucar, Oropéndola	<i>Psaracolius atrovirens</i>
Mitred Parakeet	Cotorra Carirroja	<i>Aratinga mitrata</i>
Speckle-faced Parrot	Loro Cabecirrosada	<i>Pionus tumultuosus</i>
Golden-olive Woodpecker	Carpintero Olivaceo	<i>Piculus rubiginosus</i>
Black-backed Grosbeak	Picogruoso de Dorso Negro	<i>Pheucticus aureoventris</i>
Hepatic Tanager	Frutero Bermeja	<i>Piranga flava</i>
Chestnut-capped Brush-Finch	Matorralero de Gorro Castaño	<i>Buarremon brunneinucha</i>
Gray-breasted Wood Wren	Cucarachero pechigris	<i>Henicorhina leucophrys</i>
House Wren	Cucarachero común	<i>Troglodytes aedon</i>
Streaked Xenops	Picolezna Rayado	<i>Xenops rutilans</i>
Eared Dove	Paloma Rabi-blanca	<i>Zenaida auriculata</i>
White-throated Quail Dove	Paloma Boba	<i>Geotrygon frenata</i>
White-tipped Dove	Paloma de Cola Blanca	<i>Leptotila verreauxi</i>
Rufous-collared Sparrow	Gorrión común	<i>Zonotrichia capensis</i>
Red-eyed Vireo	Chivi chivi ojo rojo	<i>Vireo olivaceus</i>
Brown-capped Vireo	Vireo Gorro marrón	<i>Vireo leucophrys</i>
Azara's Spinetail	Pijui- Colaespina de Azara	<i>Synallaxis azarae</i>
Yellow bellied Seedeater	Semillero vientre-amarillo	<i>Sporophila nigricollis</i>

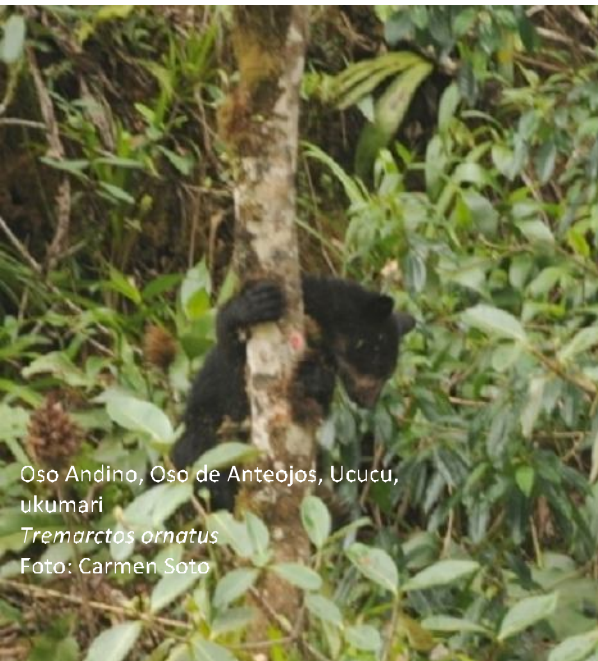
Birds in the River

6:00 a.m – 6.00 p.m En el río Vilcanota a la altura del Helipuerto, y río Alccamayo se observa:

Torrent Duck	Pato de los Torrentes	<i>Merganetta armata</i>
White capped Dipper	Mirlo Acuático Cabeciblanca	<i>Cinclus leucocephalus</i>
Black phoebe	Atrapamoscas cuida ríos	<i>Sayornis nigricans</i>
Torrent tyrannulet	Caza moscas del torrente	<i>Serpophaga cinérea</i>
Blue and white Swallow	Golondrina azul y blanco	<i>Notiochelidum cyanoleuca</i>

Singing birds registration

Stripe-faced Wood-Quail	Codorniz Enmascarada	<i>Odontophorus balliviani</i>
Andean Solitaire	Solitario Andino	<i>Myadestes ralloides</i>
White-eared Solitaire	Solitario Orejiblanco	<i>Entomodestes leucotis</i>



Oso Andino, Oso de Anteojos, Uccu, ukumari
Tremarctos ornatus
 Foto: Carmen Soto

MAMMALS

Andean Bear Sighting | (*Tremarctos*)

ornatus)

At 3:45 pm, Florentino Candia and Rudy Quiroz, security and logistics personnel at Inkaterra Machu Picchu Pueblo Hotel respectively, were working near the railroad, when they saw some branches moving on the opposite side of the river. After a few minutes, a spectacle bear (*Tremarctos ornatus*) appeared from between the branches looking for bromeliads. They immediately reported the sighting to the Ecology and Ecotourism staffs by radio come and watch this interesting species.

The bear was 2 years old approximately and looked underweight, due to the dry season that the area was currently going through. The sightings are specially important because we can learn more about the species behavior, eating and breeding habits.

Andean Bear Rescue Center | (*Tremarctos ornatus*) Inkaterra Asociacion -ITA has created a rescue centre for this unique bear species. The goal of this project is the conservation and research of this bear, but also the rehabilitation and reinsertion of rescued specimens into the wild. The spectacle bear is the only native bear species of South America, and has a distribution that covers the high Andean region of Venezuela down south to Bolivia.



Oso Andino, Oso de Antejos, Ucucu,
ukumari
Tremarctos ornatus
Foto: Carmen Soto

BUTTERFLIES

NYMPHALIDAE/MORPHINAE

Morpho lympharis lympharis Butler, 1873

NYMPHALIDAE/MORPHINAE/BRASSOLINI/BRASSOLINA

Caligo oileus umbratilis Stichel, 1903

PAPILIONIDAE /PAPILIONINAE/TROIDINI

Battus madyes montebanus (Dyar, 1913)

PAPILIONIDAE /PAPILIONINAE/PAPILIONINI

Heraclides paeon paeon (Boisduval, 1836)

PAPILIONIDAE /PAPILIONINAE/LEPTOCIRCINI

Mimoides xeniades signatus Tyler, Brown & Wilson, 1994

NYMPHALIDAE/ HELICONINAE

Heliconius telesiphe

telesiphe Doubleday

Agraulis vanillae maculosa (Stichel, 1908)

Dryas iulia alcionae (Cramer, 1779)

Actinote thalia crassinia (Hpfper, 1874)

Altinote negra deminica (Hpfper, 1874)

Altinote momina (Jordan, 1910)

Dione junio junio /Cramer ,1977)

Agraulis vanillae maculosa /Stichel, 1908)

Dione glycera (C. y R. Felder, 1861)

NYMPHALIDAE/ ITHOMINAE

Greta hermana koechlini Lamas, 2003

Oleria makrena ochoai Lamas, 2003

PIERIDAE/COLIADINAE

Phoebis sennae

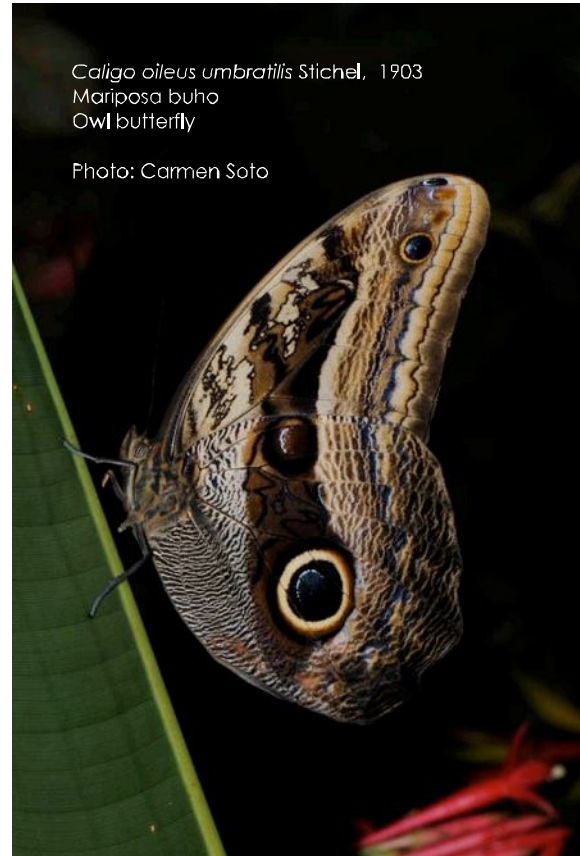
marcellina Cramer, 1777

RIODINIDAE/EUSELASINAE/STYGINE

Stix infernalis Staudinger, 1876

RIODINIDAE/RIODININAE/RIODININI

Chorinea sylphina (Bates, 1868)



Caligo oileus umbratilis Stichel, 1903

Mariposa buho

Owl butterfly

Photo: Camen Soto

MEDICINAL PLANTS

Cinchona pubescens (Rubiaceae)

Ficus maxima Mill. (Moraceae)

Croton rehderianus (Euphorbiaceae)

Piper elongatum (Piperaceae)

Juglans neotropica Diels Juglandaceae)

Clusia trochiformis (Clusiaceae)

Siparuna harongifolia (Siparunaceae)

Toxicodendron striatum (Ruiz & Pav.) Kuntze

Bocconia integrifolia Bonpl. (Papaveraceae)

Hedyosmum sp. (Chloranthaceae)

Cascarilla

Leche leche

Sangre de grado

Moco-moco, matico

Nogal "Walnut"

Incienso

Monte limón

Incate

Yanali

Monte anis

Erythroxylum coca (Erythroxylaceae)
Minthostachys setosa
Cyathea caracasana (Klotzsch) Domin.
Weinmannia sp. (Cunoniaceae)
Oxalis spp
Calceolaria spp (Scrophulariaceae)
Chenopodium ambrosioides
Equisetum giganteum L.
Ephedra americana
Minthostachys setosa

Coca, kuka
Muña
Sano sano
Huichullu
Oca-oca
Sapatico
Paico
Cola de caballo
Pinco pinco, cola de caballo
muña