

Project Update: June 2013

As a mid-year review, I have reported the following data to my counterpart agency El Servicio Nacional de Areas Naturales Protegidas por el Estado (SERNANP):

I have counted 16,244 *Puya raimondii* at the time of this report. The numbers are only from my research and don't contain data from the Invasion Zone.

How many babies? 8,809 babies in total. A total of 175 are dead (burned or not). Fifty-six are living but are burned, 147 are damaged significantly by insects (flies) and five more have a fungus. So 8,426 of the babies are healthy.

How many adults? How many have been burned? 6,829 adults in total - 1,252 are dead (burned or not), 1,252 are living but burned, 13 are damaged significantly by insects (flies) and 11 more have a fungus. So 4,279 of the adults are healthy.

What percentage of the *Puya raimondii* have been burned? In total, 2,432 *Puya raimondii* have been burned or 15%

Is the population of *Puya raimondii* sustainable? Without damage from insects, burning by humans or fungus there are 12,705 healthy plants that can reproduce in the future or 78%. Yes, the population is sustainable.

Future of the Project: I still have about a sixth of the National Sanctuary left to survey (the northeastern part north of the Invasion Zone). I plan on having all of the data captured and processed by September of 2013 and a monitoring plan in place by October of 2013.



Other Data:

I identify birds and mammals during my inventory.

BIRDS

Familia	Scientific Name	Common Name
ACCIPITRIFORMES	<i>Buteo polyosoma</i>	Variable hawk
ANSERIFORMES	<i>Anas bahamensis</i>	Yellow billed teal
APODIFORMES	<i>Patagona gigas</i>	Giant hummingbird
APODIFORMES	<i>Oreotrochilus estella</i>	Andean hillstar
APODIFORMES	<i>Metallura phoebe</i>	Black metaltail
CAPRIMULGIDAE	<i>Caprimulgus longirostris</i>	Band-winged nightjar
CHARADRIIFORMES	<i>Vanellus resplendens</i>	Andean lapwing
CHARADRIIFORMES	<i>Gallinago andina</i>	Puna snipe
FALCONIFORME	<i>Phalcoboenus megalopterus</i>	Mountain caracara
FALCONIFORMES	<i>Falco sparverius</i>	American Kestrel
PASSERIFORMES	<i>Phrygilus plebejus</i>	Ash-breasted Sierra finch
PASSERIFORMES	<i>Zonotrichia capensis</i>	Rufous-collared sparrow
PASSERIFORMES	<i>Ochthoeca leucophrys</i>	White-browed chat-tyrant
PASSERIFORMES	<i>Agriornis montanus</i>	Black-billed shrike Tyrant
PASSERIFORMES	<i>Phrygilus unicolor</i>	Plumbeous Sierra finch
PASSERIFORMES	<i>Cinclodes fuscus</i>	Bar-winged cinclodes
PASSERIFORMES	<i>Ochthoeca rufipectoralis</i>	Rufous breasted chat tyrant
PASSERIFORMES	<i>Anairetes flavirostris</i>	Yellow-billed tit-tyrant
PASSERIFORMES	<i>Phrygilus fruticetti</i>	Mourning Sierra finch
PASSERIFORMES	<i>Phrysilus alaudinus</i>	Band tailed Sierra finch
PASSERIFORMES	<i>Asthenes humilis</i>	Streak-throated canastero
PASSERIFORMES	<i>Agriornis albicauda</i>	White tailed shrike tyrant
PASSERIFORMES	<i>Upucerthia serrana</i>	Striated earthcreeper
PASSERIFORMES	<i>Geositta tenuirostris</i>	Slender billed miner
PASSERIFORMES	<i>Phrygilus punensis</i>	Peruvian Sierra finch
PASSERIFORMES	<i>Sicalis olivascens</i>	Greenish-yellow finch
PASSERIFORMES	<i>Carduelis magellanica</i>	Hooded sicken
PASSERIFORMES	<i>Anthus bogotensis</i>	Paramo pipit
PASSERIFORMES	<i>Musciaxicola griseus</i>	Taczanowski's ground-tyrant
PACIFORMES	<i>Colaptes rupicola</i>	Andean flicker
STRIGIFORMES	<i>Bubo virginianus</i>	Great horned owl
TINAMIFORMES	<i>Nothoprocta pentlandii</i>	Andean tinamou

MAMMALS

Familia	Scientific Name	Common Name
	<i>Conepatus semistriatus</i>	Striped hog-nosed skunk
	<i>Pseudalopex culpaeus</i>	Andean fox
	<i>Odocoileus virginianus</i>	White tailed deer
	<i>Lagidium peránum</i>	Montane viscacha