

A Checklist of Mammals of the Gallon Jug Estate

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Everyone wants to see a jaguar. “Diamond Jane” (above) was among the first to be documented during Carolyn Miller’s camera-trap studies over the past 15 years. In fact, her studies showed that Gallon Jug Estate (Chan Chich Lodge lies at the southwest corner) had the highest density of jaguars of any surveyed site in Central or South America as of 2006. Using photo-comparisons, “Diamond Jane” proved to be a frequently viewed resident around Chan Chich Lodge from 1993 to 1999. She also appeared in guest photos and provided some memorable encounters both near the Lodge and Gallon Jug. Undoubtedly her descendants continue to roam Chan Chich Lodge as part of their home ranges.

Mammals have been well documented on the Gallon Jug Estate. Currently 85 species are known to occur here. More than half of these (44) are bats. The Millers’ studies have ranged from small mammal live trapping, camera trapping during jaguar density studies to intensive bat surveys, Bruce Miller’s specialty. While many of the Neotropical mammals are somewhat secretive and not readily visible, some charismatic species like jaguars, pumas and tapir are frequently seen by guests at Chan Chich Lodge. Smaller species such as rodents and bats are nocturnal and often difficult to detect without the use of specialized equipment such as traps, nets or bat detectors.

Mammal taxonomy has undergone many recent changes with the increase in molecular taxonomic research. Consequently many of the older species names, both scientific and common have been changed. We suggest that those interested in exploring the diversity of mammals around Chan Chich Lodge purchase a copy of the revised second edition of Reid, F. 2009. A Field Guide to the Mammals of Central America and Southeast Mexico.

This checklist was compiled and names updated to reflect the current taxonomy by Bruce W. Miller and Carolyn M. Miller as of November 2, 2009. Records are from many of their research and were supplemented with records compiled from others over the past 15 years.

Family	Common name	Scientific name
Didelphidae	Common opossum	<i>Didelphis marsupialis</i>
	Virginia opossum	<i>Didelphis virginiana</i>
	Mexican Mouse opossum	<i>Marmosa mexicana</i>
	Gray four-eyed opossum	<i>Philander opossum</i>
Myrmecophagidae	Tamandua	<i>Tamandua mexicana</i>
Dasypodidae	Nine-banded armadillo	<i>Dasypus novemcinctus</i>
Emballonuridae	Thomas' Bat	<i>Centronycteris centralis</i>
	Northern Ghost Bat	<i>Diclidurus albus</i>
	Greater Dog-like Bat	<i>Peropteryx kappleri</i>
	Lesser Dog-like Bat	<i>Peropteryx macrotis</i>
	Proboscis Bat	<i>Rhynchonycteris naso</i>
	Greater White-lined Bat	<i>Saccopteryx bilineata</i>
Mormoopidae	Ghost-faced Bat	<i>Mormoops megalophylla</i>
	Davy's Naked-backed Bat	<i>Pteronotus davyi</i>
	Common Mustached Bat	<i>Pteronotus parnellii</i>
	Wagner's mustached bat	<i>Pteronotus personatus</i>
Phyllostomidae	Intermediate Fruit-eating bat	<i>Artibeus intermedius</i>
	Jamaican fruit-eating bat	<i>Artibeus jamaicensis</i>
	Great Fruit-eating bat	<i>Artibeus lituratus</i>
	Pygmy Fruit-eating Bat	<i>Artibeus phaeotis</i>
	Toltec Fruit-eating Bat	<i>Artibeus toltecus</i>
	Thomas' fruit-eating bat	<i>Artibeus watsoni</i>
	Seba's short-tailed bat	<i>Carollia perspicillata</i>
	Sowell's Short-tailed Bat	<i>Carollia sowelli</i>
	Wrinkle-faced bat	<i>Centurio senex</i>
	Common Vampire Bat	<i>Desmodus rotundus</i>
	Brown Long-tongued Bat	<i>Glossophaga commissarisi</i>
	Common Long-tongued Bat	<i>Glossophaga soricina</i>
	Orange-throated Bat	<i>Lampronnycteris brachyotis</i>
Schmidt's large-eared bat	<i>Micronycteris schmidtorum</i>	

	Golden Bat	<i>Mimon cozumelae</i>
	Striped spear-nosed bat	<i>Mimon crenulatum</i>
	Heller's broad-nosed bat	<i>Platyrrhinus helleri</i>
	Yellow-shouldered bat	<i>Sturnira lilium</i>
	Spix's round-eared bat	<i>Tonatia saurophila</i>
	Fringe-lipped bat	<i>Trachops cirrhosus</i>
	Tent-making bat	<i>Uroderma bilobatum</i>
	Little yellow-eared bat	<i>Vampyressa pusilla</i>
Natalidae	Mexican funnel-eared bat	<i>Natalus mexicanus</i>
Vespertilionidae	Van Gelder's bat	<i>Bauerus dubiaquercus</i>
	Argentine brown bat	<i>Eptesicus furinalis</i>
	Western Red Bat	<i>Lasiurus blossevillii</i>
	Southern Yellow Bat	<i>Lasiurus ega</i>
	Northern yellow bat	<i>Lasiurus intermedius</i>
	Elegant myotis	<i>Myotis elegans</i>
	Central American yellow bat	<i>Rhogeessa aeneus</i>
Molossidae	Underwood's mastiff bat	<i>Eumops underwoodi</i>
	Greenhall's Dog-faced Bat	<i>Molossops mexicanus</i>
	Pallas' mastiff bat	<i>Molossus molossus</i>
	Black mastiff bat	<i>Molossus rufus</i>
Cebidae	Yucatan Black Howler monkey	<i>Alouatta pigra</i>
	Central American Spider monkey	<i>Ateles geoffroyi</i>
Sciuridae	Deppe's squirrel	<i>Sciurus deppei</i>
	Yucatan squirrel	<i>Sciurus yucatanensis</i>
Heteromyidae	Desmarest's spiny pocket mouse	<i>Heteromys desmarestianus</i>
Muridae	Marsh rice rat	<i>Oryzomys couesi</i>
	Black-eared rice rat	<i>Oryzomys rostratus</i>
	Big-eared climbing rat	<i>Otodylomys phyllotis</i>
	Roof rat	<i>Rattus rattus</i>
	Hispid cotton rat	<i>Sigmodon hispidus</i>
	Peter's climbing rat	<i>Tylomys nudicaudus</i>
Erethizontidae	Mexican porcupine	<i>Coendou mexicanus</i>
Agoutidae	Paca	<i>Agouti paca</i>
Dasyproctidae	Agouti	<i>Dasyprocta punctata</i>
Canidae	Gray fox	<i>Urocyon cinereoargenteus</i>
	Coyote	<i>Canis latrans</i>

Procyonidae	White nosed Coati Kinkajou Northern Raccoon	<i>Nasua narica</i> <i>Potos flavus</i> <i>Procyon lotor</i>
Musatelidae	Striped hog-nosed skunk Tayra Grison Neotropical River Otter Long-tailed Weasel	<i>Conepatus semistriatus</i> <i>Eira barbara</i> <i>Galictis vittata</i> <i>Lontra longicaudis</i> <i>Mustela frenata</i>
Felidae	Jaguar Jaguarundi Margay Ocelot Puma	<i>Panthera onca</i> <i>Herpailurus yagouaroundi</i> <i>Leopardus wiedii</i> <i>Leopardus pardalis</i> <i>Puma concolor</i>
Tapiridae	Baird's tapir	<i>Tapirus bairdii</i>
Tayassuidae	White-lipped peccary Collared peccary	<i>Dicotyles pecari</i> <i>Pecari tajacu</i>
Cervidae	Red brocket deer Gray Brocket Deer White-tailed deer	<i>Mazama americana</i> <i>Mazama pandora</i> <i>Odocoileus virginianus</i>