

Appendix

The following pages are a list of all organisms that have been observed in Vistoso Trails Nature Preserve, uploaded to iNaturalist, and attained “Research-grade” status. The latter means that the community consensus is that the organism is of a particular species.

The lists are arranged alphabetically by scientific name within the broad categories of mammals, reptiles, amphibians, birds, invertebrates, plants, and fungi. Some of the organisms in the guide have not attained Research-grade status on iNaturalist and as such are not yet on these lists. This is generally because they have not been identified to the species level. This is especially true of the insects and the fungi.

The scientific name of each species listed here is hyperlinked (if viewing online) to a set of iNaturalist observations of that species within Vistoso Trails Nature Preserve.

Mammals

<u>Common Name</u>	<u>Scientific Name</u>
Harris' Antelope Squirrel	<i>Ammospermophilus harrisi</i>
Coyote	<i>Canis latrans</i>
Desert Pocket Mouse	<i>Chaetodipus penicillatus</i>
Merriam's Kangaroo Rat	<i>Dipodomys merriami</i>
Bobcat	<i>Lynx rufus</i>
Long-legged Myotis	<i>Myotis volans</i>
White-throated Woodrat	<i>Neotoma albigula</i>
Mule Deer	<i>Odocoileus hemionus</i>
Collared Peccary	<i>Pecari tajacu</i>
Arizona Cotton Rat	<i>Sigmodon arizonae</i>
Desert Cottontail	<i>Sylvilagus audubonii</i>
Round-tailed Ground Squirrel	<i>Xerospermophilus tereticaudus</i>

Reptiles

Common Name

Western Whiptail
Zebra-tailed Lizard
Western Banded Gecko
Western Diamond-backed Rattlesnake
Sonoran Desert Tortoise
Desert Nightsnake
California King Snake
Coachwhip
Regal Horned Lizard
Saddled Leafnose Snake
Gopher Snake
Long-nosed Snake
Desert Spiny Lizard
Ornate Tree Lizard

Scientific Name

Aspidoscelis tigris
Callisaurus draconoides
Coleonyx variegatus
Crotalus atrox
Gopherus morafkai
Hypsiglena chlorophaea
Lampropeltis californiae
Masticophis flagellum
Phrynosoma solare
Phyllorhynchus browni
Pituophis catenifer
Rhinocheilus lecontei
Sceloporus magister
Urosaurus ornatus

Amphibians

Common Name

Great Plains Toad

Red-spotted Toad

Sonoran Desert Toad

Couch's Spadefoot

Scientific Name

Anaxyrus cognatus

Anaxyrus punctatus

Incilius alvarius

Scaphiopus couchii

Birds

Common Name

Cooper's Hawk
Black-throated Sparrow
Verdin
Lesser Scaup*
Great Horned Owl
Red-tailed Hawk
Gambel's Quail
Anna's Hummingbird
Costa's Hummingbird
Cactus Wren
Wilson's Warbler
Northern Cardinal
Pyrrhuloxia
Turkey Vulture
Lesser Nighthawk
Western Wood-Pewee
Common Raven
Broad-billed Hummingbird
Ladder-backed Woodpecker
American Kestrel
Greater Roadrunner
House Finch

Scientific Name

Accipiter cooperii
Amphispiza bilineata
Auriparus flaviceps
*Aythya affinis**
Bubo virginianus
Buteo jamaicensis
Callipepla gambelii
Calypte anna
Calypte costae
Campylorhynchus brunneicapillus
Cardellina pusilla
Cardinalis cardinalis
Cardinalis sinuatus
Cathartes aura
Chordeiles acutipennis
Contopus sordidulus
Corvus corax
Cyananthus latirostris
Dryobates scalaris
Falco sparverius
Geococcyx californianus
Haemorhous mexicanus

Birds

Common Name

Hooded Oriole
Lucy's Warbler
American Wigeon*
Western Screech-Owl
Gila Woodpecker
Abert's Towhee
Northern Mockingbird
Bronzed Cowbird
Brown-headed Cowbird
Ash-throated Flycatcher
Brown-crested Flycatcher
Ruddy Duck*
House Sparrow
Rufous-winged Sparrow
Phainopepla
Black-headed Grosbeak
Western Tanager
Black-tailed Gnatcatcher
Vermilion Flycatcher
Say's Phoebe
Northern Shoveler*
Lesser Goldfinch

Scientific Name

Icterus cucullatus
Leiothlypis luciae
*Mareca americana**
Megascops kennicottii
Melanerpes uropygialis
Melospiza aberti
Mimus polyglottos
Molothrus aeneus
Molothrus ater
Myiarchus cinerascens
Myiarchus tyrannulus
*Oxyura jamaicensis**
Passer domesticus
Peucaea carpalis
Phainopepla nitens
Pheucticus melanocephalus
Piranga ludoviciana
Polioptila melanura
Pyrocephalus rubinus
Sayornis saya
*Spatula clypeata**
Spinus psaltria

Birds

Common Name

Northern Rough-winged Swallow
Curve-billed Thrasher
Western Kingbird
Bell's Vireo
Warbling Vireo
White-winged Dove
Mourning Dove
White-crowned Sparrow

Scientific Name

Stelgidopteryx serripennis
Toxostoma curvirostre
Tyrannus verticalis
Vireo bellii
Vireo gilvus
Zenaida asiatica
Zenaida macroura
Zonotrichia leucophrys

*Birds with an asterisk are typically only found near bodies of water. The former golf course maintained a lake that attracted these birds. As the lake is now gone, so too are the waterfowl.

Arachnids

Common Name

Desert Blonde Tarantula
Arizona Bark Scorpion
Carolina Wolf Spider
Western Black Widow
Giant Crab Spider
Tailless Whip Scorpion
Stripe-tailed Scorpion
Jumping Spider

Scientific Name

Aphonopelma chalcodes
Centruroides sculpturatus
Hogna carolinensis
Latrodectus hesperus
Olios giganteus
Paraphrynus carolynae
Paravaejovis spinigerus
Phidippus californicus

A large number of our iNaturalist arachnid observations have not yet been properly identified or looked over by the community. Those can be viewed here:

[https://www.inaturalist.org/observations?
place_id=181375&quality_grade=needs_id&subview=table&iconic_taxa=Arachnida](https://www.inaturalist.org/observations?place_id=181375&quality_grade=needs_id&subview=table&iconic_taxa=Arachnida)

Insects

Common Name

Desert Leaf-cutter Ant
Longhorn Beetle
Western Honey Bee
Palmer's Metalmark
Empress Leilia
Pipevine Swallowtail
Parasitic Wasp
Dark Rover Ant
Bellied Antlion
Deduced Graphical Moth
Dried Fruit Beetle
Hoverfly
Acrobat Ants
Death-feigning Beetle
Queen
Palo Verde Root Borer
Picture-winged Fly
Southern Chimney Bee
Bicolored Pyramid Ant
Reakirt's Blue
Bee Fly/Humblefly]
Forsebia Moth

Scientific Name

Acromyrmex versicolor
Aethecerinus latecinctus
Apis mellifera
Apodemia palmerii
Asterocampa leilia
Battus philenor
Brachymeria podagrica
Brachymyrmex patagonicus
Brachynemurus abdominalis
Bulia deducta
Carpophilus hemipterus
Copestylum apiciferum
Genus *Crematogaster*
Cryptoglossa variolosa
Danaus gilippus
Derobrachus hovorei
Diacrita costalis
Complex *Diadasia australis*
Dorymyrmex bicolor
Echinargus isola
Exoprosopa agassizii
Forsebia cinis

Insects

Common Name

Tropical House Cricket
Ceraunus Blue
Heteranassa Moth
Bomber Fly
Scavenger Scarab Beetle
Fiery Skipper
White-lined Sphinx Moth
Eight-spotted Lady Beetle
Elegant Bush Katydid
Marine Blue
American Snout
Obscure Ground Mantis
Orange-tipped Woodborer
Indomitable Graphic Moth
Giant Cactus Longhorn Beetle
Desert Harvester Ant
Bicolored Chloraspilates Moth
Pale-winged Desert Cicada
Wandering Glider
Thisbe's Tarantula-hawk Wasp
Rough Harvester Ant
Golden Paper Wasp

Scientific Name

Gryllodes sigillatus
Hemiargus ceraunus
Heteranassa mima
Heterostylum robustum
Hybosorus illigeri
Hylephila phyleus
Hyles lineata
Hyperaspis octonotata
Insara elegans
Leptotes marina
Libytheana carinenta
Litaneutria ocularis
Lithurgopsis apicalis
Melipotis indomita
Moneilema gigas
Novomessor cockerelli
Numia bicoloraria
Okanagodes gracilis
Pantala flavescens
Pepsis thisbe
Pogonomyrmex rugosus
Polistes aurifer

Insects

Common Name

Yellow Paper Wasp
Bird-Dropping Moth
Pretty Bird-Dropping Moth
Checkered White
Robber Fly
Gray Bird Grasshopper
Turkestan Cockroach
Arizona Mantis
Gray Hairstreak
Iron Cross Blister Beetle
Cruel Toxonprucha
Pallid-winged Grasshopper
Zaleops Moth
Four-spurred Assassin Bug

Scientific Name

Polistes flavus
Ponometia cuta
Ponometia venustula
Pontia protodice
Saropogon bryanti
Schistocerca nitens
Shelfordella lateralis
Stagmomantis limbata
Strymon melinus
Tegrodera aloga
Toxonprucha crudelis
Trimerotropis pallidipennis
Zaleops umbrina
Zelus tetracanthus

A large number of our iNaturalist insect observations have not yet been properly identified or looked over by the community. Those can be viewed here:

[https://www.inaturalist.org/observations?
place_id=181375&quality_grade=needs_id&subview=table&iconic_taxa=Insecta](https://www.inaturalist.org/observations?place_id=181375&quality_grade=needs_id&subview=table&iconic_taxa=Insecta)

Other Invertebrates

Common Name

Common Desert Centipede

Scientific Name

Scolopendra polymorpha

Note: Other invertebrates (insects, arachnids, and beyond) have been observed, but getting community consensus on IDs to species level is extremely challenging.

Plants

Common Name

Shrubby Indian Mallow
Willow Acacia
Dwarf Desert Peony
Brownfoot
Big Bursage
Triangle-leaf Bursage
Cheeseweed Burrobrush
Cheesebush
Rush Milkweed
Fourwing Saltbush
Desert Broom
Parish's Goldeneye
Desert Marigold
Scarlet Spiderling
Coulter's Brickellbush
Red Brome
Pink Fairy-Duster
Saguaro
Spiny Hackberry
Maltese Star-Thistle
New Mexico Thistle
Warnock Condalia

Scientific Name

Abutilon abutiloides
Acacia salicina
Acourtia nana
Acourtia wrightii
Ambrosia ambrosioides
Ambrosia deltoidea
Ambrosia monogyra
Ambrosia salsola
Asclepias subulata
Atriplex canescens
Baccharis sarothroides
Bahiopsis parishii
Baileya multiradiata
Boerhavia coccinea
Brickellia coulteri
Bromus rubens
Calliandra eriophylla
Carnegiea gigantea
Celtis pallida
Centaurea melitensis
Cirsium neomexicanum
Condalia warnockii

Plants

Common Name

Little-leaf Cordia
Rosary Babybonnets
Arizona Pencil Cholla
Chain-fruit Cholla
Tree Cholla
Christmas Cholla
Staghorn Cholla
Wheeler Sotol/Desert Spoon
Desert Thorn-Apple
Fall Tansyaster
Yuma Silverbush
Broad Leaf Hopbush
Engelmann's Hedgehog Cactus
Brittlebush
Button Brittlebush
Longleaf Ephedra
Spreading Fleabane
Skeleton Weed
Red-gland Spurge
Fishhook Barrel Cactus
Ocotillo
Hartweg's Climbing Milkweed

Scientific Name

Cordia parvifolia
Coursetia glandulosa
Cylindropuntia arbuscula
Cylindropuntia fulgida
Cylindropuntia imbricata subsp. *spinosior*
Cylindropuntia leptocaulis
Cylindropuntia thurberi subsp. *versicolor*
Dasyilirion wheeleri
Datura discolor
Dieteria asteroides
Ditaxis serrata
Dodonaea viscosa
Echinocereus engelmannii subsp. *fasciculatus*
Encelia farinosa
Encelia frutescens
Ephedra trifurca
Erigeron divergens
Eriogonum deflexum
Euphorbia melanadenia
Ferocactus wislizeni
Fouquieria splendens
Funastrum heterophyllum

Plants

Common Name

Southwestern Mock Vervain
Late Snakeweed
Red Yucca
Burroweed
Heartleaf Limberbush
Narrow-leaved Cryptantha
Chuparosa
Littleleaf Ratany
Prickly Lettuce
Creosote Bush
Cenizo/Texas Ranger/Texas Sage
Anderson Thornbush
Berlandier's Wolfberry
Graham's Fishhook Cactus
Catclaw Mimosa
Rough Nama
Tree Tobacco
Desert Tobacco
Texas Toadflax
Desert Ironwood
Engelmann's Pricklypear
Bunny Ears Cactus

Scientific Name

Glandularia gooddingii
Gutierrezia serotina
Hesperaloe parviflora
Isocoma tenuisecta
Jatropha cardiophylla
Johnstonella angustifolia
Justicia californica
Krameria erecta
Lactuca serriola
Larrea tridentata
Leucophyllum frutescens
Lycium andersonii
Lycium berlandieri
Cochemiea grahamii
Mimosa aculeaticarpa
Nama hispida
Nicotiana glauca
Nicotiana obtusifolia
Nuttallanthus texanus
Olneya tesota
Opuntia engelmannii
Opuntia microdasys

Plants

Common Name

Santa Rita Pricklypear
Blue Palo Verde
Little-leaved Palo Verde
Parry's Beardtongue
Desert Mistletoe
Odora
Chilean Mesquite
Velvet Mesquite
Whitestem Paperflower
Tumbleweed
Lotebush
African Sumac
Catclaw Acacia
Silver Senna
Jojoba
London Rocket
Silverleaf Nightshade
Desert Globemallow
Whitethorn Acacia
Sweet Acacia
Spiny Goldenweed
Soaptree Yucca
Desert Zinnia

Scientific Name

Opuntia santa-rita
Parkinsonia florida
Parkinsonia microphylla
Penstemon parryi
Phoradendron californicum
Porophyllum gracile
Prosopis chilensis
Prosopis velutina
Psilostrophe cooperi
Salsola tragus
Sarcomphalus obtusifolius subsp. *canescens*
Searsia lancea
Senegalia greggii
Senna artemisioides
Simmondsia chinensis
Sisymbrium irio
Solanum elaeagnifolium
Sphaeralcea ambigua
Vachellia constricta
Vachellia farnesiana
Xanthisma spinulosum
Yucca elata
Zinnia acerosa

Fungi

Common Name

Saltshaker Stiltball

Green-spored Parasol

Sulcate Sunhead

Desert Inkcap

Scientific Name

Battarreoides diguetii

Chlorophyllum molybdites

Heliocybe sulcata

Montagnea arenaria

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https://www.inaturalist.org/observations?iconic_taxa=Fungi&place_id=181375

In many cases lab sequencing will be necessary to further identify fungi, and in at least two cases this is underway. This list will be updated should those results allow for greater specificity.

