

APPENDIX D.
WILDLIFE SPECIES OBSERVED AND EXPECTED
AT LYONS CANYON RANCH

Wildlife Observed and Expected at Lyons Canyon Ranch

Scientific Name ³⁹	Common Name	Observed By ⁴⁰	Estimated Abundance Onsite ⁴¹
AMPHIBIANS			
Plethodontidae - Lungless Salamanders			
<i>Batrachoseps nigriventris</i>	Black-bellied Slender Salamander	BonTerra	Uncommon
Bufonidae - True Toads			
<i>Bufo boreas halophilus</i>	California Western Toad	BonTerra	Scarce
Hylidae - Treefrogs			
<i>Hyla regilla</i>	Pacific Treefrog	Expected	Common
Ranidae - True Frogs			
<i>Rana catesbeiana</i> *	Bullfrog	Expected	Common
REPTILES			
Iguanidae – Iguanid Lizards			
<i>Sceloporus occidentalis</i>	Western Fence Lizard	8 DMEC; BonTerra	Common
<i>Uta stansburiana elegans</i>	Western Side-blotched Lizard	6 DMEC; BonTerra	Common
Scincidae - Skinks			
<i>Eumeces skiltonianus</i>	Western Skink	Expected	Uncommon
Anguidae – Alligator Lizards			
<i>Elgaria multicarinata</i>	Southern Alligator Lizard	BonTerra	Scarce
Colubridae – Colubrids			
<i>Charina trivargata</i>	Coastal Rosy Boa	Possible	Scarce
<i>Masticophis lateralis</i>	California Whipsnake	Expected	Uncommon
<i>Pituophis melanoleucus</i>	Gopher Snake (tracks)	BonTerra	Scarce
<i>Pituophis melanoleucus annectens</i>	San Diego Gopher Snake	Expected	Uncommon
<i>Hypsiglena torquata</i>	Night Snake	Expected	Uncommon
<i>Lampropeltis getula californiae</i>	California Kingsnake	Expected	Scarce
<i>Masticophis lateralis lateralis</i>	California Striped Racer	Expected	Uncommon
Viperidae – Vipers			
<i>Crotalus viridis</i>	Western Rattle Snake (tracks)	BonTerra	Uncommon
BIRDS			
Ardeidae – Herons, Egrets			
<i>Ardea herodias</i>	Great Blue Heron	Expected	Scarce
<i>Ardea alba</i>	Great Egret	Expected	Scarce
Anatidae - Screamers, Ducks, & Relatives			
<i>Anas platyrhynchos</i>	Mallard	2 W.Langhans (nesting) ⁴²	Scarce

³⁹ * = nonnative species. Note: DMEC's wildlife observation data were incidental to field work, focused on the delineation of wetlands and assessment of oak trees, and are not intended to be considered complete by any definition. BonTerra had primary responsibility for determining wildlife species presence.

⁴⁰ The number in front of DMEC indicates the total number of individuals for each wildlife species that was observed during the biological surveys onsite.

⁴¹ Scarce = less than 100 individuals; Uncommon = 100 to less than 1,000 individuals; Common = more than 1,000 individuals.

⁴² Personal communication with Wendy Langhans, Mountains Recreation and Conservation Authority (wendy.langhans@mrca.ca.gov) regarding bird observations at Towsley Park, 21 July 2005.

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Cathartidae - New World Vultures			
<i>Cathartes aura</i>	Turkey Vulture	BonTerra	Scarce
<i>Gymnogyps californianus</i>	California Condor	2 W. Langhans	Scarce
Accipitridae - Hawks			
<i>Elanus leucurus</i>	White-tailed Kite	Expected	Scarce
<i>Circus cyaneus</i>	Northern Harrier	Expected	Scarce
<i>Accipiter striatus</i>	Sharp-shinned Hawk	Expected	Scarce
<i>Accipiter cooperii</i>	Cooper's Hawk	1 DMEC; BonTerra	Scarce
<i>Buteo lineatus</i>	Red-shouldered Hawk	2 W. Langhans (nesting)	Scarce
<i>Buteo jamaicensis</i>	Red-tailed Hawk	3 DMEC; BonTerra	Scarce
Falconidae - Falcons			
<i>Falco sparverius</i>	American Kestrel	BonTerra	Scarce
Odontophoridae - Quail			
<i>Callipepla californica</i>	California Quail	5 DMEC; BonTerra	Scarce
Charadriidae - Plovers			
<i>Charadrius vociferous</i>	Killdeer	BonTerra	Uncommon
Columbidae - Pigeons & Doves			
<i>Columba fasciata</i>	Band-tailed Pigeon	1 DMEC	Scarce
<i>Columba livia</i>	Rock Pigeon	BonTerra	Scarce
<i>Zenaida macroura</i>	Mourning Dove	7 DMEC; BonTerra	Common
Cuculidae - Cuckoos & Roadrunners			
<i>Geococcyx californianus</i>	Greater Roadrunner	BonTerra	Scarce
Tytonidae - Owls			
<i>Tyto alba</i>	Barn Owl	1 DMEC: observed flying from nest in a <i>Quercus agrifolia</i> onsite. Nest appeared occupied and active. All raptor nests are protected by California Fish and Game Code §3503.5.	Uncommon
<i>Otus kennicotti</i>	Western Screech-Owl	Expected	Scarce
<i>Bubo virginianus</i>	Great Horned Owl	Expected	Scarce
<i>Glaucidium gnoma</i>	Northern Pygmy-owl	Expected	Scarce
<i>Athene cunicularia</i>	Burrowing Owl	Expected	Scarce
<i>Asio otus</i>	Long-eared Owl	Expected	Scarce
Trochilidae - Hummingbirds			
<i>Archilochus colubris</i>	Ruby-throated Hummingbird	Expected	Uncommon
<i>Archilochus alexandri</i>	Black-chinned Hummingbird	Expected	Uncommon
<i>Calypte anna</i>	Anna's Hummingbird	2 DMEC; BonTerra	Common
<i>Calypte costae</i>	Costa's Hummingbird	Expected	Uncommon
<i>Selasphorus rufus</i>	Rufous Hummingbird	Expected	Common
<i>Selasphorus sasin</i>	Allen's Hummingbird	Expected	Common
Picidae - Woodpeckers			
<i>Colaptes auratus</i>	Northern Flicker	2 DMEC; BonTerra	Scarce
<i>Melanerpes formicivorus</i>	Acorn Woodpecker	3 DMEC; BonTerra	Common
<i>Picoides nuttallii</i>	Nuttall's Woodpecker	1 W. Langhans	Scarce

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<i>Picoides pubescens</i>	Downy Woodpecker	Expected	Scarce
Tyrannidae - Tyrant Flycatchers			
<i>Empidonax difficilis</i>	Pacific Slope Flycatcher	Expected	Scarce
<i>Empidonax hammondi</i>	Hammond's Flycatcher	Expected	Scarce
<i>Sayornis nigricans</i>	Black Phoebe	3 DMEC; BonTerra	Scarce
<i>Sayornis saya</i>	Say's Phoebe	BonTerra	Uncommon
Corvidae - Jays & Crows			
<i>Aphelocoma coerulescens</i>	Western Scrub-jay	10 DMEC; BonTerra	Common
<i>Corvus brachyrhynchos</i>	American Crow	3 DMEC; BonTerra	Common
<i>Corvus corvax</i>	Common Raven	8 DMEC	Uncommon
Hirundinidae - Swallows			
<i>Tachycineta thalassina</i>	Violet-green Swallow	Expected	Uncommon
<i>Petrochelidon pyrrhonota</i>	Cliff Swallow	Expected	Common
<i>Hirundo rustica</i>	Barn Swallow	Expected	Common
Paridae - Titmice			
<i>Baeolophus ridgwayi</i>	Oak Titmouse	2 DMEC; BonTerra	Scarce
Aegithalidae - Bushtits			
<i>Psaltriparus minimus</i>	Bushtit	15 DMEC; BonTerra	Common
Sittidae - Nuthatches			
<i>Sitta carolinensis</i>	White-breasted Nuthatch	Expected	Scarce
Troglodytidae - Wrens			
<i>Throamanes bewickii</i>	Bewick's Wren	BonTerra	Uncommon
Turdidae - Thrushes & Robins			
<i>Sialia mexicana</i>	Western Bluebird	1 DMEC; BonTerra	Scarce
<i>Ixoreus naevius</i>	Varied Thrush	Los Angeles Rare Bird Alert ⁴³	Uncommon
<i>Turdus migratorius</i>	American Robin	4 DMEC; BonTerra	Scarce
Timaliidae - Wrentits			
<i>Chamaea fasciata</i>	Wrentit	BonTerra	Common
Mimidae - Thrashers			
<i>Mimus polyglottos</i>	Northern Mockingbird	2 DMEC; BonTerra	Common
Sturnidae - Starlings			
<i>Sturnus vulgaris</i> *	European Starling	3 DMEC; BonTerra	Common
Bombycillidae			
<i>Bombycilla cedrorum</i>	Cedar Waxwing	Expected	Scarce
Ptilonotidae - Silky Flycatchers			
<i>Phainopepla nitens</i>	Phainopepla	3 DMEC	Scarce
Parulidae - Warblers			
<i>Dendroica coronata</i>	Yellow-rumped Warbler	BonTerra	Scarce
<i>Geothlypis trichas</i>	Common Yellowthroat	1 DMEC; BonTerra	Scarce

⁴³ Obtained from <http://listserv.arizona.edu/cgi-bin/wa?A2=ind0211d&L=birdwest&F=&S=&P=72>.

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Emberizidae - Sparrows & Juncos			
<i>Pipilo crissalis</i>	California Towhee	4 DMEC; BonTerra	Common
<i>Pipilo maculatus</i>	Spotted Towhee	2 DMEC; BonTerra	Scarce
<i>Aimophila ruficeps</i>	Rufous-crowned Sparrow	Expected	Uncommon
<i>Chondestes grammacus</i>	Lark Sparrow	Expected	Uncommon
<i>Amphispiza belli</i>	Sage Sparrow	Expected	Uncommon
<i>Melospiza melodia</i>	Song Sparrow	BonTerra	Common
<i>Zonotrichia leucophrys</i>	White-crowned Sparrow	4 DMEC	Common
<i>Junco hyemalis</i>	Dark-eyed Junco	Expected	Uncommon
<i>Sturnella neglecta</i>	Western Meadowlark	1 DMEC; BonTerra	Scarce
<i>Euphagus cyanocephalus</i>	Brewer's Blackbird	6 DMEC; BonTerra	Common
<i>Quiscalus mexicanus</i>	Great-tailed Grackle	BonTerra	Uncommon
<i>Molothrus ater</i>	Brown-headed Cowbird	Expected	Uncommon
<i>Icterus bullockii</i>	Bullock's Oriole	Expected	Scarce
Fringillidae - Finches			
<i>Carpodacus mexicanus</i>	House Finch	3 DMEC; BonTerra	Common
<i>Carduelis tristis</i>	American Goldfinch	Expected	Common
<i>Carduelis psaltria</i>	Lesser Goldfinch	BonTerra	Scarce
Passeridae - Old World Sparrows			
<i>Passer domesticus*</i>	House Sparrow	BonTerra	Common
MAMMALS			
Didelphidae - New World Opossums			
<i>Didelphis virginiana</i>	Virginia Opossum	BonTerra	Uncommon
Soricidae - Shrews			
<i>Notiosorex crawfordi</i>	Desert Shrew	BonTerra	Common
Talpidae - Moles			
<i>Scapanus sp.</i>	Mole	1 DMEC	Common
Vespertilionidae - Vespertilionid Bats			
<i>Myotis volans</i>	Long-legged Myotis	Expected	Uncommon
<i>Myotis californicus</i>	California Myotis	Expected	Uncommon
<i>Pipistrellus hesperus</i>	Western Pipistrelle	Expected	Uncommon
<i>Eptesicus fuscus</i>	Big Brown Bat	Expected	Uncommon
<i>Lasiurus cinereus</i>	Hoary Bat	Expected	Uncommon
<i>Myotis evotis</i>	Long-eared Myotis	Expected	Uncommon
<i>Myotis thysanodes</i>	Fringed Myotis	Expected	Uncommon
<i>Tadarida brasiliensis</i>	Brazilian Free-tailed Bat	Expected	Uncommon
Molossidae - Free-Tailed Bats			
<i>Tadarida brasiliensis</i>	Brazilian Free-tailed Bat	Expected	Uncommon
Leporidae - Rabbits & Hares			
<i>Sylvilagus audubonii</i>	Desert Cottontail	BonTerra	Common
Sciuridae - Squirrels, Chipmunks, & Marmots			
<i>Spermophilus beecheyi</i>	California Ground Squirrel	2 DMEC; BonTerra	Common

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Geomyidae - Pocket Gophers			
<i>Thomomys bottae</i>	Botta's Pocket Gopher	1 DMEC; BonTerra	Common
Heteromyidae - Kangaroo Rats & Pocket Mice			
<i>Perognathus californicus</i>	California Pocket Mouse	16 DMEC; BonTerra	Common
<i>Dipodomys agilis</i>	Pacific Kangaroo Rat	Expected	Uncommon
Cricetidae - Deer Mice, Voles, & Relatives			
<i>Mus Musculus</i>	House Mouse	Expected	Common
<i>Peromyscus californicus</i>	California Mouse	Expected	Common
<i>Peromyscus boylii</i>	Brush Mouse	Expected	Common
<i>Peromyscus californicus</i>	Parasitic Mouse	Expected	Common
<i>Peromyscus eremicus</i>	Cactus Mouse	Expected	Uncommon
<i>Peromyscus maniculatus</i>	Deer Mouse	102 DMEC	Common
<i>Reithrodontomys megalotis</i>	Western Harvest Mouse	9 DMEC	Common
<i>Microtus californicus</i>	California Meadow Vole	Expected	Common
<i>Neotoma fuscipes</i>	Dusky-footed Woodrat	Expected	Scarce
<i>Neotoma macrotis</i>	Southern Dusky-footed Woodrat	Expected	Scarce
<i>Neotoma lepida intermedia</i>	San Diego Desert Woodrat	Detected (nest) DMEC	Scarce
Canidae - Wolves & Foxes			
<i>Canis latrans</i>	Coyote	10 (scat, skeleton) DMEC; BonTerra	Uncommon
<i>Urocyon cinereoargenteus</i>	Gray Fox	1 (skeleton) DMEC	Scarce
Ursidae - Bears			
<i>Ursus americanus</i>	Black Bear	Expected	Scarce
Procyonidae - Raccoons & Relatives			
<i>Procyon lotor</i>	Raccoon	BonTerra	Scarce
<i>Bassariscus astutus</i>	Ring-tailed Cat	Expected	Scarce
Mustelidae - Weasels, Badgers, & Relatives			
<i>Mustela frenata</i>	Long-tailed Weasel	Expected	Uncommon
<i>Mephitis mephitis</i>	Striped Skunk	BonTerra	Scarce
Felidae - Cats			
<i>Puma concolor</i>	Mountain Lion	Expected	Scarce
<i>Lynx rufus</i>	Bobcat	2 (skull & leg) DMEC	Scarce
Cervidae - Deer, Elk, & Relatives			
<i>Odocoileus hemionus</i>	Mule Deer	1 (Buck observed) 5 (tracks, skeleton) DMEC; BonTerra	Uncommon
INVERTEBRATES			
<i>Agelenopsis</i> sp.	Funnel Web Spider	1 DMEC	Common
<i>Ctenolepisma longicaudata</i>	Long-tailed Silverfish	3 DMEC	Common
<i>Octogomphus</i> cf. <i>specularis</i>	Small Western Gomphid	1 DMEC	Uncommon
<i>Libellula saturata</i>	Red Skimmer	1 DMEC	Uncommon
<i>Enallagma cyanigerum</i>	Circumpolar Bluet	1 DMEC	Uncommon
<i>Schistocerca nitens</i>	Gray Bird Grasshopper	10 DMEC	Uncommon
<i>Trimerotropis pallidipennis</i>	Pallid Band-wing	1 DMEC	Common

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<i>Supella longipalpa</i>	Brown-Banded Cockroach	1 DMEC	Common
(Cicadidae)	Cicada	1 DMEC	Uncommon
(Culicidae)	Mosquito	1 DMEC	Common
<i>Noserus plicatus</i>	Plicate Beetle	1 DMEC	Common
<i>Coelocnemis californicus</i>	Darkling Beetle	1 DMEC	Common
<i>Hippodamia convergens</i>	Convergent Ladybird Beetle	1 DMEC	Common
(Coleoptera)	Tiny flower beetle	Many DMEC	Common
<i>Mischocyttarus flavitarsus</i>	Polybiine Paper Wasp	3 DMEC	Uncommon
<i>Apis mellifera</i> *	European Honey Bee	20 DMEC	Common
<i>Bombus vosnesenskii</i>	Vosnesenski's Bumble Bee	3 DMEC	Uncommon
Lepidoptera - Butterflies & Moths⁴⁴			
<i>Hylephila phyleus</i>	Fiery Skipper	1 DMEC	Scarce
<i>Glaucopsyche lygdamus</i>	Silvery Blue	Expected	Scarce
<i>Pontia protodice</i>	Checkered White	Expected	Common
<i>Anthocharis sara</i>	Sara Orangetip	Expected	Scarce
<i>Leptotes marina</i>	Marine Blue	40 DMEC	Common
<i>Limenitis lorquini</i>	Lorquin's Admiral	Expected	Common
<i>Vanessa atalanta</i>	Red Admiral	Expected	Uncommon
<i>Euphydryas chalcedona</i>	Variable Checkerspot	Expected	Scarce
<i>Vanessa cardui</i>	Painted Lady	3 DMEC	Common
<i>Papilio eurymedon</i>	Pale Swallowtail	1 DMEC	Uncommon
<i>Phoebis sennae</i>	Senna Sulphur	50 DMEC	Common
<i>Coenonympha tullia</i>	California Ringlet	Expected	Scarce
<i>Colias eurydice</i>	California Dog Face	1 DMEC	Scarce
<i>Pieris rapae</i>	Cabbage White	50 DMEC	Common
<i>Adelpha bredowii</i>	California Sister	Expected	Common
<i>Erynnis funeralis</i>	Funeral Duskywing	Expected	Scarce
<i>Strymon melinus</i>	Gray Hairstreak	Expected	Common
<i>Plebeius [Icaricia] acmon</i>	Acmon Blue	Expected	Scarce
<i>Danaus plexippus</i>	Monarch Butterfly	Expected	Scarce
<i>Junonia coenia</i>	Buckeye	4 DMEC	Scarce
<i>Apodemia virgulti</i>	Behr's Metalmark	Expected	Scarce

⁴⁴ Expected butterflies: <http://www.lamountains.com/pdf/Butterfly%20Brochure-screen.pdf> (www.lamountains.com, 2004, *Butterflies of Towsley Canyon*).