

APPENDIX F

**VEGETATION AND WILDLIFE IN THE SALINE VALLEY WARM
SPRINGS AREA**

VEGETATION PRESENT IN THE SALINE VALLEY WARM SPRINGS AREA

Table F-1 presents the results of a 2012 survey of the vegetation surrounding the Lower, Palm, and Upper Springs areas in 2012. This table also identifies native and nonnative species.

TABLE F-1. VEGETATION SPECIES PRESENT AT LOWER, PALM, AND UPPER SPRINGS

Family	Scientific Name	Common Name	Native
Lower Spring			
Arecaceae	<i>Phoenix dactylifera</i>	Date palm	
Arecaceae	<i>Washingtonia filifera</i>	California fan palm	
Cyperaceae	<i>Eleocharis rostellata</i>	Beaked spikerush	x
Cyperaceae	<i>Schoenoplectus americanus</i>	Chairmaker's bulrush	x
Poaceae	<i>Agrostis stolonifera</i>	Creeping bentgrass	
Poaceae	<i>Bromus tectorum</i>	Cheatgrass	
Poaceae	<i>Cynodon dactylon</i>	Bermudagrass	
Poaceae	<i>Distichlis spicata</i>	Saltgrass	x
Poaceae	<i>Polypogon monspeliensis</i>	Annual rabbitsfoot grass	
Poaceae	<i>Secale cereale</i>	Cereal rye	
Poaceae	<i>Stenotaphrum secundatum</i>	St. Augustine grass	
Juncaceae	<i>Juncus</i> sp. ^a	Rush	x
Typhaceae	<i>Typha</i> sp.	Cattail	x
Agavaceae	<i>Agave</i> sp.	Agave	
Asteraceae	<i>Ambrosia dumosa</i>	Burrobush	x
Asteraceae	<i>Chrysothamnus albidus</i> ^b	Whiteflower rabbitbrush	x
Asteraceae	<i>Pluchea sericea</i>	Arrowweed	x
Boraginaceae	<i>Heliotropium curassavicum</i>	Salt heliotrope	x
Capparaceae	<i>Cleomella obtusifolia</i>	Mojave cleomella	x
Tamaricaceae	<i>Tamarix ramosissima</i>	Saltcedar	
Saururaceae	<i>Anemopsis californica</i>	Yerba mansa	x
Fabaceae	<i>Prosopis glandulosa</i> var. <i>torreyana</i>	Western honey mesquite	x
Fabaceae	<i>Prosopis pubescens</i>	Screwbean mesquite	x
Geraniaceae	<i>Erodium cicutarium</i>	Redstem stork's bill	
Viscaceae	<i>Phoradendron californicum</i>	Mesquite mistletoe	x
Zygophyllaceae	<i>Larrea tridentata</i>	Creosote bush	x

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Family	Scientific Name	Common Name	Native
Palm Spring			
Arecaceae	<i>Phoenix dactylifera</i>	Date palm	
Arecaceae	<i>Washingtonia filifera</i>	California fan palm	
Cyperaceae	<i>Eleocharis rostellata</i>	Beaked spikerush	x
Poaceae	<i>Cynodon dactylon</i>	Bermudagrass	
Poaceae	<i>Polypogon monspeliensis</i>	Annual rabbitsfoot grass	
Asteraceae	<i>Ambrosia dumosa</i>	Burrobush	x
Asteraceae	<i>Centaurium exaltatum</i>	Desert centaury	x
Boraginaceae	<i>Heliotropium curassavicum</i>	Salt heliotrope	x
Capparaceae	<i>Cleomella obtusifolia</i>	Mojave cleomella	x
Primulaceae	<i>Anagallis arvensis</i>	Scarlet pimpernel	
Fabaceae	<i>Prosopis glandulosa var. torreyana</i>	Western honey mesquite	x
Geraniaceae	<i>Erodium cicutarium</i>	Redstem stork's bill	
Zygophyllaceae	<i>Larrea tridentata</i>	Creosote bush	x
Upper Spring			
Arecaceae	<i>Washingtonia filifera</i>	California fan palm	
Cyperaceae	<i>Eleocharis rostellata</i>	Beaked spikerush	x
Cyperaceae	<i>Schoenoplectus americanus</i>	Chairmaker's bulrush	x
Poaceae	<i>Cynodon dactylon</i>	Bermudagrass	
Poaceae	<i>Polypogon monspeliensis</i>	Annual rabbitsfoot grass	
Asteraceae	<i>Pluchea sericea</i>	Arrowweed	x
Boraginaceae	<i>Heliotropium curassavicum</i>	Salt heliotrope	x
Chenopodiaceae	<i>Atriplex hymenelytra</i>	Desertholly	x
Saururaceae	<i>Anemopsis californica</i>	Yerba mansa	x
Fabaceae	<i>Prosopis pubescens</i>	Screwbean mesquite	x
Lythraceae	<i>Lythrum californicum</i>	California loosestrife	x
Zygophyllaceae	<i>Larrea tridentata</i>	Creosote bush	x

- a Based on habitat and vegetative characteristics, the *Juncus* sp. is most likely Cooper's rush (*Juncus cooperi*); however, at the time of vegetation surveys, the inflorescences of the plants have been grazed by wildlife, making positive identification impossible.

California Native Plant Society Rank: 4.3 = Plant of limited distribution - a watch list; not very threatened in California (<20% of occurrences threatened / low degree and immediacy of threat or no current threats known)

- b California Native Plant Society Rank: 4.2 = Plant of limited distribution - a watch list; moderately endangered in California (20–80% occurrences threatened / moderate degree and immediacy of threat)

WILDLIFE THAT OCCURS OR COULD POTENTIALLY OCCUR IN SALINE VALLEY

Table F-2 provides a list of wildlife species that are known to occur or could potentially occur at Saline Valley.

TABLE F-2. WILDLIFE SPECIES OBSERVED OR EXPECTED TO OCCUR WITHIN SALINE VALLEY

Family	Scientific Name	Common Name
Mammals		
Sciuridae – Squirrels	<i>Ammospermophilus leucurus</i>	White-Tailed Antelope Squirrel
	<i>Spermophilus tereticaudus</i>	Round-Tailed Ground Squirrel
Geomyidae -- Pocket Gopher	<i>Thomomys bottae</i>	Botta's Pocket Gopher
Heteromyidae – Kangaroo Rat	<i>Dipodomys merriami</i>	Merriam's Kangaroo Rat
	<i>Dipodomys deserti</i>	Desert Kangaroo Rat
	<i>Chaetodipus formosus mohavenensis</i>	Long-Tailed Pocket Mouse
	<i>Perognathus longimembris</i>	Little Pocket Mouse
	<i>Chaetodipus penicillatus</i>	Desert Pocket Mouse
Cricetidae – Mice, Rats, Voles	<i>Neotoma lepida</i>	Desert Woodrat
	<i>Onychomys torridus</i>	Southern Grasshopper Mouse
	<i>Peromyscus crinitus</i>	Canyon Mouse
	<i>Peromyscus eremicus</i>	Cactus Mouse
	<i>Peromyscus maniculatis</i>	Deer Mouse
	<i>Reithrodontomys megalotis</i>	Western Harvest Mouse
Muridae – Mice	<i>Mus musculus</i>	House Mouse
Leporidae – Hares, Rabbits	<i>Lepus californicus</i>	Black-Tailed Jackrabbit
	<i>Sylvilagus audubonii</i>	Desert Cottontail
Molossidae – Free-tailed bats	<i>Tadarida brasiliensis</i>	Brazilian Free-Tailed Bat
Vespertilionidae – Bats	<i>Antrozous pallidus</i>	Pallid Bat
	<i>Lasionycteris noctivagans</i>	Silver-Haired Bat
	<i>Lasiurus cinereus</i>	Hoary Bat
	<i>Myotis californicus</i>	California Myotis
	<i>Myotis ciliolabrum</i>	Western Small-Footed Myotis
	<i>Myotis thysanodes</i>	Fringed Myotis
	<i>Parastrellus hesperus</i>	Western Pipistrelle
	<i>Corynorhinus townsendii</i>	Townsend's Big-Eared Bat
Felidae – Cats	<i>Felis concolor</i>	Mountain Lion
	<i>Lynx rufus</i>	Bobcat
Canidae – Dogs, Foxes	<i>Canis latrans</i>	Coyote
Mustelidae – Skunks and Kin	<i>Taxidea taxus</i>	Badger
Equidae – Horses and Their Allies	<i>Equus assinus</i>	Feral Burro
Bovidae – Mountain Sheep	<i>Ovis canadensis nelsoni</i>	Nelson's Bighorn Sheep

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Family	Scientific Name	Common Name
Birds		
Ardeidae -- Egrets	<i>Bubulcus ibis</i>	Cattle Egret
Threskiornithidae -- Ibises	<i>Plegadis chihi</i>	White-Faced Ibis
Cathartidae – American Vultures	<i>Cathartes aura</i>	Turkey Vulture
Accipitridae – Hawks	<i>Accipiter cooperii</i>	Coopers Hawk
	<i>Aquila chrysaetos</i>	Golden Eagle
	<i>Buteo jamaicensis</i>	Red–Tailed Hawk
	<i>Buteo lineatus</i>	Red–Shouldered Hawk
	<i>Buteo swainsoni</i>	Swainson's Hawk
	<i>Circus cyaneus</i>	Northern Harrier
Falconidae – Falcons	<i>Falco mexicanus</i>	Prairie Falcon
Charadriidae – Plovers	<i>Charadrius alexandrinus nivosus</i>	Western Snowy Plover
Columbidae – Doves	<i>Zenaida asiatica</i>	White–Winged Dove
	<i>Zenaida macroura</i>	Mourning Dove
Cuculidae – Cuckoos	<i>Geococcyx californianus</i>	Greater Roadrunner
Strigidae – Typical Owls	<i>Bubo virginianus</i>	Great Horned Owl
Caprimulgidae -- Nighthawks	Chordeiles sp.	Nighthawks, Poorwills
Tyrannidae – Tyrant Flycatchers	<i>Lanius ludovicianus</i>	Loggerhead Shrike
	<i>Myiarchus cinerascens</i>	Ash–Throated Flycatcher
	<i>Sayornis saya</i>	Say's Phoebe
	<i>Tyrannus verticalis</i>	Western Kingbird
Corvidae – Crows, Jays	<i>Corvus corax</i>	Common Raven
	<i>Quiscalus mexicanus</i>	Great–Tailed Grackle
Hirundinidae – Swallows	<i>Tachycineta thalassina</i>	Violet–Green Swallow
Alaudidae – Larks	<i>Eremophila alpestris</i>	Horned Lark
Troglodytidae – Wrens	<i>Salpinctes obsoletus</i>	Rock Wren
Muscicapidae – Kinglets, Thrushes	<i>Polioptila caerulea</i>	Blue–Gray Gnatcatcher
	<i>Sialia currucoides</i>	Mountain Bluebird
Mimidae – Thrashers	<i>Mimus polyglottis</i>	Northern Mockingbird
	<i>Toxostoma bendirei</i>	Bendire's Thrasher
Motacillidae – Pipits	<i>Anthus rubescens</i>	American Pipit
Sturnidae – Starlings	<i>Sturnus vulgaris</i>	European Starling
Parulidae – Wood Warblers	<i>Dendroica coronata</i>	Yellow–Rumped Warbler
	<i>Geothlypis trichas</i>	Common Yellowthroat
	<i>Vermivora celata</i>	Orange–Crowned Warbler
	<i>Wilsonia pusilla</i>	Wilson's Warbler
Cardinalidae – Cardinals	<i>Guiraca caerulea</i>	Blue Grosbeak
	<i>Passerina amoena</i>	Lazuli Bunting

Appendix F: Vegetation and Wildlife in the Saline Valley Warm Springs Area

Family	Scientific Name	Common Name
Emberizidae – American Sparrows	<i>Melospiza melodia</i>	Song Sparrow
	<i>Zonotrichia atricapilla</i>	Golden–Crowned Sparrow
	<i>Zonotrichia leucophrys</i>	White–Crowned Sparrow
Icteridae – Blackbirds	<i>Euphagus cyanocephalus</i>	Brewer's Blackbird
Passeridae – weaver finches	<i>Passer domesticus</i>	House Sparrow
Amphibians		
Bufoidea – True toads	<i>Bufo punctatus</i>	Red Spotted Toad
Reptiles		
Crotaphytidae -- Collared and Leopard Lizards	<i>Crotaphytus bicinctores</i>	Great Basin Collared Lizard
	<i>Gambelia wislizenii</i>	Long-Nosed Leopard Lizard
Iguanidae – Iguanids	<i>Callisaurus draconoides</i>	Zebra–Tailed Lizard
	<i>Dipsosaurus dorsalis</i>	Desert Iguana
	<i>Phrynosoma platyrhinos</i>	Desert Horned Lizard
	<i>Sceloporus magister</i>	Desert Spiny Lizard
	<i>Uta stansburiana</i>	Desert Side–Blotched Lizard
Gekkonidae – Geckos	<i>Coleonyx v. variegatus</i>	Desert Banded Gecko
Teiidae – Whiptails and Their Allies	<i>Cnemidophorus tigris</i>	Great Basin Whiptail
Leptotyphlopidae – Slender Blind Snakes	<i>Leptotyphlops humilis</i>	Western Blind Snake
Colubridae – Colubrids	<i>Pituophis melanoleucus deserticola</i>	Gopher Snake
	<i>Chionactis occipitalis</i>	Western Shovel–Nosed Snake
	<i>Hypsiglena torquata</i>	Desert Night Snake
	<i>Masticophis flagellum</i>	Coachwhip
	<i>Phyllorhynchus decurtatus</i>	Spotted Leaf–Nosed Snake
	<i>Salvadora hexalepis</i>	Western Patch–Nosed Snake
	<i>Sonora semiannulata</i>	Western Ground Snake
Viperidae – Rattlesnakes	<i>Crotalus cerastes</i>	Mojave Sidewinder
	<i>Crotalus stephensi</i>	Panamint Rattlesnake
Invertebrates		
Gastropoda (Class) – Snails and Slugs	<i>Pyrgulopsis owensensis</i>	Owens Valley Spring–Snail
	<i>Pyrgulopsis wongi</i>	Wong's Springsnail
Lepidoptera	<i>Danaus plexippus</i>	Monarch Butterfly

Modified from NPS 2000.

REFERENCES

National Park Service (NPS)

2000 Legislative Environmental Impact Statement for the Timbisha Shoshone Homeland.
November.