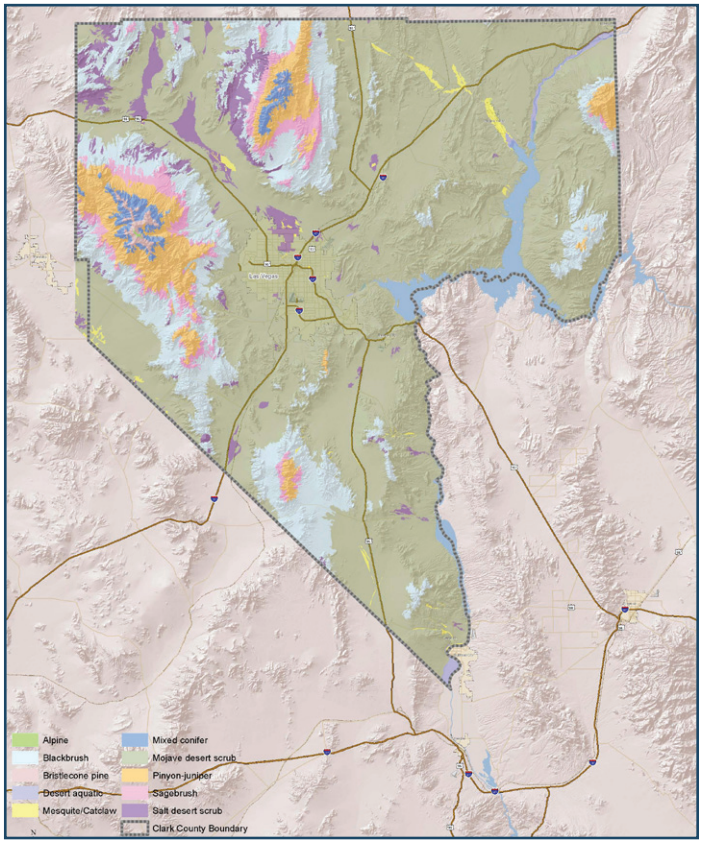
Covered Species

What area is covered by the plan?

The Multiple Species Habitat Conservation Plan (MSHCP) Section 10(a)(1)(B) Incidental Take Permit covers all non-federal (private, municipal, state) lands within Clark County and NDOT activities in areas within Clark, Nye, Lincoln and Esmeralda Counties south of the 38th parallel and below 5,000 feet in elevation.

What habitat types?

Conservation actions for the MSHCP focus on conservation of the habitat of covered species. Habitats for covered species are described and summarized within 12 ecosystem categories: alpine, bristlecone pine, mixed conifer, pinyon-juniper, sagebrush, blackbrush, salt desert scrub, Mojave desert scrub, mesquite/catclaw, desert aquatic, springs, and other ecosystems (sand dune, gypsiferous soil, rock outcrop, dry lake bed and playa, barren, agriculture, non-native grassland, urban).



Ecosystems Defined in the MSHCP

What species are covered by the plan?

The MSHCP and Incidental Take Permit provide coverage for 78 species, two of which are listed under the Endangered Species Act (ESA): the threatened desert tortoise and the endangered southwestern willow flycatcher. Two additional categories are identified in the plan: evaluation and watch list. Species designated as covered under the MSHCP are those for which sufficient information was available to allow incidental take coverage and for which adequate management prescriptions exist to help protect them. Evaluation species are those for which additional information is required and management plans need to be developed. Watch list species are those with inadequate information to assess population range, status, conservation potential, or risk of extinction within Clark County. Take authorization for evaluation or watch-list species is not provided under the MSHCP Incidental Take Permit should any of those species become listed pursuant to the ESA.

Taxon Category	Covered Species (number of species)	Evaluation Species (number of species)	Watch List Species (number of species)	Total
Birds	8	7	15	30
Mammals	4	15	8	27
Amphibians	1	2	3	6
Reptiles	14	7	1	22
Fish	0	8	1	9
Invertebrates	10	34	10	54
Vascular Plants	37	21	10	68
Non-Vascular Plants	4	8	3	15
Total	78	102	51	231

Covered Species – Currently, 78 species are designated as covered under the MSHCP

Desert Tortoise

Collared Lizard

Desert Iguana

Las Vegas Bearpoppy

SPECIES NAME	TAXON CATEGORY
Yellow-billed cuckoo *Coccyzus americanus*	Birds
Southwestern willow flycatcher *Empidonax traillii extimus*	Birds
American peregrine falcon *Falco peregrinus anatum*	Birds
Blue grosbeak *Guiraca caerulea*	Birds
Phainopepla *Phainopepla nitens*	Birds
Summer tanager *Piranga rubra*	Birds
Vermilion flycatcher *Pyrocephalus rubinus*	Birds
Bell's vireo *Vireo bellii*	Birds
Silver-haired bat *Lasionycteris noctivagans*	Mammals
Long-eared myotis *Myotis evotis*	Mammals
Long-legged myotis *Myotis volans*	Mammals
Palmer's chipmunk *Neotamias palmeri*	Mammals
Relict leopard frog *Rana onca*	Amphibians
Glossy snake *Arizona elegans*	Reptiles
Banded gecko *Coleonyx variegatus*	Reptiles
Sidewinder *Crotalus cerastes*	Reptiles
Speckled rattlesnake *Crotalus mitchellii*	Reptiles
Mojave green rattlesnake *Crotalus scutulatus scutulatus*	Reptiles
Great Basin collared lizard *Crotaphytus bicinctores*	Reptiles
Desert iguana *Dipsosaurus dorsalis*	Reptiles
Large-spotted leopard lizard *Gambelia wislizenii wislizenii*	Reptiles
Desert tortoise *Gopherus agassizii*	Reptiles
California kingsnake *Lampropeltis getulus californiae*	Reptiles
Western leaf-nosed snake *Phyllorhynchus decurtatus*	Reptiles
Western red-tailed skink *Plestiodon gilberti rubricaudatus*	Reptiles
Western long-nosed snake *Rhinocheilus lecontei lecontei*	Reptiles
Sonoran lyre snake *Trimorphodon biscutatus lambda*	Reptiles

SPECIES NAME	TAXON CATEGORY
Spring Mountains acastus checkerspot *Chlosyne acastus robusta*	Invertebrates
Dark blue butterfly *Euphilotes ancilla purpura*	Invertebrates
Morand's checkerspot butterfly *Euphydryas anicia morandi*	Invertebrates
Spring Mountains comma skipper *Hesperia colorado mojavensis*	Invertebrates
Spring Mountains icarioides blue *Icaricia icarioides austinorum*	Invertebrates
Mt. Charelston blue butterfly *Icaricia shasta charlestonensis*	Invertebrates
Nevada admiral *Limenitis weidemeyerii nevadae*	Invertebrates
Spring Mountains springsnail *Pyrgulopsis deaconi*	Invertebrates
Southeast Nevada springsnail *Pyrgulopsis turbatrix*	Invertebrates
Carole's silverspot butterfly *Speyeria zerene carolae*	Invertebrates
Rough angelica *Angelica scabrida*	Vascular Plant Species
Charleston pussytoes *Antennaria soliceps*	Vascular Plant Species
Sticky ringstem *Anulocaulis leiosolenus*	Vascular Plant Species
Las Vegas bearpoppy *Arctomecon californica*	Vascular Plant Species
White bearpoppy *Arctomecon merriamii*	Vascular Plant Species
Rosy king sandwort *Arenaria kingii* ssp. *rosea*	Vascular Plant Species
Clokey milkvetch *Astragalus aequalis*	Vascular Plant Species
Threecorner milkvetch *Astragalus geyeri* var. *triquetrus*	Vascular Plant Species
Clokey eggvetch *Astragalus oophorus* var. *clokeyanus*	Vascular Plant Species
Spring Mountains milkvetch *Astragalus remotus*	Vascular Plant Species
Alkali mariposa lily *Calochortus striatus*	Vascular Plant Species
Clokey paintbrush *Castelleja martinii* var. *clokeyi*	Vascular Plant Species
Clokey thistle *Cirsium clokeyi*	Vascular Plant Species
Blue Diamond cholla *Cylindropuntia multigeniculata*	Vascular Plant Species
Jaeger whitlowgrass *Draba jaegeri*	Vascular Plant Species
Charleston draba *Draba paucifructa*	Vascular Plant Species

Covered Species

SPECIES NAME	TAXON CATEGORY
Inch high fleabane *Erigeron uncialis* ssp. *conjugans*	Vascular Plant Species
Forked (Pahrump Valley) buckwheat *Eriogonum bifurcatum*	Vascular Plant Species
Sticky buckwheat *Eriogonum viscidulum*	Vascular Plant Species
Clokey greasebush *Glossopetalon clokeyi*	Vascular Plant Species
Smooth pungent (dwarf) greasebush *Glossopetalon pungens* var. *glabrum*	Vascular Plant Species
Pungent dwarf greasebush *Glossopetalon pungens* var. *pungens*	Vascular Plant Species
Red Rock Canyon aster *Ionactis caelestis*	Vascular Plant Species
Hidden ivesia *Ivesia cryptocaulis*	Vascular Plant Species
Jaeger ivesia *Ivesia jaegeri*	Vascular Plant Species
Hitchcock bladderpod *Lesquerella hitchcockii*	Vascular Plant Species
Charleston pinewood lousewort *Pedicularis semibarbata* var. *charlestonensis*	Vascular Plant Species
White-margined beardtongue *Penstemon albomarginatus*	Vascular Plant Species

SPECIES NAME	TAXON CATEGORY
Charleston beardtongue *Penstemon leiophyllus* var. *keckii*	Vascular Plant Species
Jaeger beardtongue *Penstemon thompsoneae* var. *jaegeri*	Vascular Plant Species
Parish's phacelia *Phacelia parishii*	Vascular Plant Species
Clokey mountain sage *Salvia dorrii* var. *clokeyi*	Vascular Plant Species
Clokey catchfly *Silene clokeyi*	Vascular Plant Species
Charelston tansy *Sphaeromeria compacta*	Vascular Plant Species
Charelston kittentails *Synthyris ranunculina*	Vascular Plant Species
Charleston grounddaisy *Townsendia jonesii* var. *tumulosa*	Vascular Plant Species
Limestone violet *Viola purpurea* var. *charlestonensis*	Vascular Plant Species
No Common Name *Anacolia menziesii*	Non-vascular Plants
No Common Name *Claopodium whippleanum*	Non-vascular Plants
No Common Name *Dicranoweisia crispula*	Non-vascular Plants
No Common Name *Syntrichia princeps*	Non-vascular Plants

Evaluation Species – Currently, 102 species are classified as evaluation species under the MSHCP

Western Burrowing Owl

Kit Fox

Las Vegas Valley Buckwheat

SPECIES NAME	TAXON CATEGORY
Western burrowing owl *Athene cunicularia hypugea*	Birds
Loggerhead shrike *Lanius ludovicianus*	Birds
Western bluebird *Sialia mexicana*	Birds
Bendire's thrasher *Toxostoma bendirei*	Birds
Crissal thrasher *Toxostoma crissale*	Birds
LeConte's thrasher *Toxostoma lecontei*	Birds
Gray vireo *Vireo vicinior*	Birds
Desert pocket mouse *Chaetodipus penicillatus sobrinus*	Mammals
Pale Townsend's big-eared bat *Corynorhinus townsendii pallescens*	Mammals
Desert kangaroo rat *Dipodomys deserti*	Mammals
Chisel-toothed kangaroo rat *Dipodomys microps occidentalis*	Mammals

SPECIES NAME	TAXON CATEGORY
Panamint kangaroo rat *Dipodomys panamintinus caudatus*	Mammals
Short-tailed weasel *Mustela erminea*	Mammals
Long-tailed weasel *Mustela frenata*	Mammals
Small-footed myotis *Myotis ciliolabrum*	Mammals
Fringed myotis *Myotis thysanodes*	Mammals
Hidden Forest Uinta chipmunk *Neotamias umbrinus nevadensis*	Mammals
Bushy tailed woodrat *Neotoma cinerea lucida*	Mammals
Inyo shrew *Sorex tenellus*	Mammals
Golden-mantled ground squirrel *Spermophilus lateralis certus*	Mammals
Nuttall's cottontail *Sylvilagus nuttallii*	Mammals
Kit fox *Vulpes macrotus arsipus*	Mammals

Evaluation Species

SPECIES NAME	TAXON CATEGORY
Arizona (southwestern) toad *Bufo microscaphus microscaphus*	Amphibians
Red-spotted toad *Bufo punctatus*	Amphibians
Western diamondback *Crotalus atrox*	Reptiles
Regal ringneck snake *Diadophus punctatus*	Reptiles
Banded Gila monster *Heloderma suspectum cinctum*	Reptiles
Sonoran Mountain kingsnake *Lampropeltis pyromelana*	Reptiles
Southern desert horned lizard *Phrynosoma platyrhinos calidiarum*	Reptiles
Southern plateau lizard *Sceloporus undulatus tristichus*	Reptiles
Desert night lizard *Xantusia vigilis*	Reptiles
Desert sucker *Catostomus clarki*	Fish
Flannelmouth sucker *Catostomus latipinnis*	Fish
Moapa White River springfish *Crenichthys baileyi moapae*	Fish
Virgin River chub (Muddy River population) *Gila seminuda*	Fish
Virgin River chub *Gila seminuda*	Fish
Moapa dace *Moapa coriacea*	Fish
Woundfin *Plagopterus argentissimus*	Fish
Moapa speckled dace *Rhinichthys osculus moapae*	Fish
Dalea blister bee *Ancylandrena koebelei*	Invertebrates
Mojave gypsum bee *Andrena balsamorhizae*	Invertebrates
Red-legged beardtongue bee *Atoposmia rufifemur*	Invertebrates
Virgin River globemallow bee *Diadasia proridens*	Invertebrates
Bret's blue butterfly *Euphilotes bernardino inyomontana*	Invertebrates
MacNeil sooty wing skipper *Hesperopsis gracielae*	Invertebrates
Spring Mountains ant *Lasius nevadensis*	Invertebrates
Red-tailed blazing star bee *Megandrena mentzeliae*	Invertebrates
Moapa riffle beetle *Microcylloepus moapus moapus*	Invertebrates
Amargosa (Pahranagat) naucorid *Pelocoris shoshone shoshone*	Invertebrates
Two-toned perdita *Perdita bipicta*	Invertebrates
Mojave twilight bee *Perdita celadona*	Invertebrates
Big-headed perdita *Perdita cephalotes*	Invertebrates
Las vegas perdita *Perdita cracens*	Invertebrates
Spurge-loving perdita *Perdita euphorbiana*	Invertebrates
Tiquilia perdita *Perdita exusta*	Invertebrates
Apache plume perdita *Perdita fallugiae*	Invertebrates
Yellow-headed perdita *Perdita flaviceps*	Invertebrates
Moapa perdita *Perdita fulvescens*	Invertebrates

SPECIES NAME	TAXON CATEGORY
Unadorned perdita *Perdita inornata*	Invertebrates
Mojave poppy bee *Perdita meconis*	Invertebrates
Valley of Fire perdita *Perdita nevadiana*	Invertebrates
Virgin River twighlight bee *Perdita vespertina*	Invertebrates
Mojave Mountain perdita *Perdita vicina*	Invertebrates
Desert-loving perdita *Perxerophila discrepans*	Invertebrates
Moapa pebblesnail *Pyrgulopsis avernalis*	Invertebrates
Moapa turban snail *Pyrgulopsis carinifera*	Invertebrates
Moapa skater/waterstrider *Rhagovellia becki*	Invertebrates
Moapa Warm Springs riffle beetle *Stenelmis moapa*	Invertebrates
Grated tryonia *Tryonia clathrata*	Invertebrates
Undescribed tryonia *Tryonia* sp.	Invertebrates
Naucorid bug *Usingerina moapensis*	Invertebrates
Dry lake bed species	Invertebrates
Meadow Valley sandwort *Arenaria stenomeres*	Vascular Plant Species
Ackerman milkvetch *Astragalus ackermanii*	Vascular Plant Species
Sheep Mountain milkvetch *Astragalus amphioxys* var. *musimonum*	Vascular Plant Species
Black wooly-pod *Astragalus funereus*	Vascular Plant Species
Curve-podded Mojave milkvetch *Astragalus mohavensis* var. *hemigyrus*	Vascular Plant Species
Mokiak milkvetch *Astragalus mokiacensis*	Vascular Plant Species
Triangle lobe moonwort *Botrychium ascendens*	Vascular Plant Species
Dainty moonwort *Botrychium crenulatum*	Vascular Plant Species
Remote rabbitbush *Chrysothamnus eremobius*	Vascular Plant Species
Virgin River thistle *Cirsium virginense*	Vascular Plant Species
Unusual catseye *Cryptantha insolita*	Vascular Plant Species
Ripley's biscuitroot *Cymopterus ripleyi* var. *saniculoides*	Vascular Plant Species
Silverleaf sunray *Enceliopsis argophylla*	Vascular Plant Species
Nevada willowherb *Epilobium nevadense*	Vascular Plant Species
Sheep fleabane *Erigeron ovinus*	Vascular Plant Species
Las Vegas Valley buckwheat *Eriogonum corymbosum var. nilesii*	Vascular Plant Species
Clokey buckwheat *Eriogonum heermannii* var. *clokeyi*	Vascular Plant Species
Desert (Clark) parsley *Lomatium graveolens* var. *alpinum*	Vascular Plant Species
Yellow twotone beardtongue *Penstemon bicolor ssp. bicolor*	Vascular Plant Species
Amargosa beardtongue *Penstemon fruticiformis ssp. amargosae*	Vascular Plant Species
Pygmy poreleaf *Porophyllum pygmaeum*	Vascular Plant Species
Crossidium moss *Crossidium seriatum*	Non-Vascular Plants
Gold Butte moss *Didymodon nevadensis*	Non-Vascular Plants
Incline distichium moss *Distichium inclinatum*	Non-Vascular Plants
American grimmia *Grimmia americana*	Non-Vascular Plants

Watch List Species – Currently, 51 species are classified as watch list species under the MSHCP

Ferruginous Hawk

Scott's Oriole

Rosy Two-tone Penstemon

SPECIES NAME	TAXON CATEGORY
Northern goshawk *Accipiter gentilis*	Birds
Northern saw-whet owl *Aegolius acadicus*	Birds
Golden eagle *Aquila chrysaetos*	Birds
Ferruginous hawk *Buteo regalis*	Birds
Green-backed heron *Butorides virescens*	Birds
Cactus wren *Campylorhynchus brunneicapillus*	Birds
Canyon wren *Catherpes mexicanus*	Birds
Northern pygmy owl *Glaucidium gnoma*	Birds
Bald eagle *Haliaeetus leucocephalus*	Birds
Scott's oriole *Icterus parisorum*	Birds
Western least bittern *Ixobrychus exilis hesperis*	Birds
Western screech owl *Megascops kennicottii*	Birds
Flammulated owl *Otus flammeolus*	Birds
White-faced ibis *Plegadis chihi*	Birds
Yuma clapper rail *Rallus longirostrus yumanensis*	Birds
Spiny pocket mouse *Chaetodipus spinatus spinatus*	Mammals
Spotted bat *Euderma maculatum*	Mammals
Greater western mastiff bat *Eumops perotis californicus*	Mammals
Allen's big-eared bat *Idionycteris phyllotis*	Mammals
California leaf-nosed bat *Macrotus californicus*	Mammals
Southwestern cave myotis *Myotis velifer brevis*	Mammals
Yuma myotis *Myotis yumanensis*	Mammals
Big free-tailed bat *Nyctinomops macrotis*	Mammals
Plains toad *Bufo cognatus*	Amphibians
Woodhouse toad *Bufo woodhousii ssp. woodhousii*	Amphibians
Pacific tree frog *Pseudacris regilla*	Amphibians
Common zebra-tailed lizard *Callisaurus draconoides draconoides*	Reptiles

SPECIES NAME	TAXON CATEGORY
Virgin spinedace *Lepidomeda mollispinis mollispinis*	Fish
Red-legged lava bee *Ashmeadiella picticrus*	Invertebrates
Flat-faced cactus bee *Lithurge listrota*	Invertebrates
Beck's perdita *Perdita becki*	Invertebrates
Rock nettle perdita *Perdita eucnides eucnides*	Invertebrates
Banded perdita *Perdita vittata conformis*	Invertebrates
Koso phacelia bee *Protodufourea koso*	Invertebrates
Blue point springsnail *Pyrgulopsis coloradensis*	Invertebrates
Corn Creek springsnail *Pyrgulopsis fausta*	Invertebrates
Undescribed Blue Point tryonia *Tryonia* sp.	Invertebrates
Michener's phacelia bee *Xeroheriades michener*	Invertebrates
Barrel cactus *Ferocactus cylindraceus* var. *lecontei*	Vascular Plant Species
One-leaflet Torrey milkvetch *Astragalus calycosus var. monophyllidius*	Vascular Plant Species
New York Mountains catseye *Cryptantha tumulosa*	Vascular Plant Species
Hoffman's cryptantha *Cryptantha virginensis*	Vascular Plant Species
Chalk liveforever *Dudleya pulverulenta*	Vascular Plant Species
Clokey fleabane *Erigeron clokeyi*	Vascular Plant Species
Clokey pincushion *Escobaria vivipara var. rosea*	Vascular Plant Species
Nevada greasebush *Glossopetalon spinescens* var. *aridum*	Vascular Plant Species
Beaver dam scurfpea (breadroot) *Pediomelum castoreum*	Vascular Plant Species
Rosy twotone beardtongue *Penstemon bicolor* var. *roseus*	Vascular Plant Species
No Common Name *Fissidens sublimbatus*	Non-Vascular Plants
Utah spikemoss *Selaginella utahensis*	Non-Vascular Plants
No Common Name *Splachnobryum obtusum*	Non-Vascular Plants