# Appendix D

## Special Status Plant and Animal Species

## POTENTIAL OCCURRENCE SUMMARY
## Threatened, Endangered, Candidate, Utah Special Status Animal Species including Partners-In-Flight Species of Concern

| Species | Status | Habitat Association | Potential for Occurrence Within the Proposed Project area and Cumulative Effects Area | Eliminated From Detailed Analysis (Yes/No) |
|---|---|---|---|---|
| Bonytail<br>*Gila elegans* | FE | Is endemic to the Colorado River system within main channels of large rivers, and favor swift currents. | Moderate. This species occurs in the Green River. Habitat is not present within the project area. In addition, water depletion will occur; however, the proposed project has been analyzed under the *Programmatic Water Depletion Biological Opinion (USFWS 2006)* prepared by USFWS. Mitigation measures from the document will be applied to this project. | No |
| Colorado pikeminnow<br>*Ptychocheilus lucius* | FE | Known from the Colorado River system. Uses large swift rivers. | Moderate. This species occurs in the Green and White Rivers. Habitat is not present within the project area. In addition, water depletion will occur; however, the proposed project has been analyzed under the *Programmatic Water Depletion Biological Opinion (USFWS 2006)* prepared by USFWS. Mitigation measures from the document will be applied to this project. | No |
| Humpback chub<br>*Gila cypha* | FE | Is endemic to the Colorado River System within deep, swift-running rivers, with canyon shaded environments. | None. This species occurs in the Green River. Habitat is not present within the project area. In addition, water depletion will occur; however, the proposed project has been analyzed under the *Programmatic Water Depletion Biological Opinion (USFWS 2006)* prepared by USFWS. Mitigation measures from the document will be | No |

| Species | Status | Habitat Association | Potential for Occurrence Within the Proposed Project area and Cumulative Effects Area | Eliminated From Detailed Analysis (Yes/No) |
|---|---|---|---|---|
| | | | applied to this project. | |
| Razorback sucker<br>*Xyrauchen texanus* | FE | Endemic to large rivers of the Colorado River system. | None. This species occurs in the Green and White Rivers. Habitat is not present within the project area. In addition, water depletion will occur; however, the proposed project has been analyzed under the *Programmatic Water Depletion Biological Opinion (USFWS 2006)* prepared by USFWS. Mitigation measures from the document will be applied to this project. | No |
| Black-footed ferret<br>*Mustela nigripes* | FE | Semi-arid grasslands and mountain basins. It is found primarily in association with active prairie dog colonies that contain suitable burrow densities and colonies that are of sufficient size. | None. The distribution of this species is limited to a nonessential experimental population reintroduced into Coyote Basin, Uintah County starting in 1999. Habitat is not present within the project area. | Yes |
| Canada Lynx<br>*Lynx lynx canadensis* | FT | Primarily occurs in Douglas-fir, Spruce-fir, and subalpine forests at elevations above 7,800 feet amsl. The lynx uses large woody debris, such as downed logs and windfalls. | None. If extant in Utah, this species most likely occurs in montane forests in the Uinta Mountains. Habitat is not present within the project area. | Yes |
| Mexican spotted owl<br>*Strix occidentalis lucida* | FT; PIF | In Utah, found primarily in rocky canyons. Nests in caves or crevices. Roosts on ledges or in trees in canyons. The species prefers mesic (moister/cooler) canyons with mixed conifer or riparian components. Breeding and nesting season: March through August. | None. The habitat as been surveyed and determined unsuitable for nesting (Assessment of Potential Mexican Spotted Owl Nesting on BLM-Administered Lands in Northeastern Utah, September 2005). | Yes |
| Western yellow-billed cuckoo<br>*Coccyzus americanus occidentalis* | FC; PIF | Riparian obligate and usually occurs in large tracts of cottonwood/willow habitats. However, this species also has been documented in lowland deciduous woodlands, alder thickets, deserted farmlands, and orchards. Breeding season: late June through July. | None. Species is known to occur along the Green River and the Ouray National Wildlife Refuge. Habitat is not present within the project area. | Yes |
| Bluehead sucker<br>*Catostomus discobolus* | CAS | Occupies a wide range of aquatic habitats ranging from cold, clear mountain streams to warm, turbid rivers. | Moderate. The Bluehead sucker is native in parts of Utah. The species | No |

| Species | Status | Habitat Association | Potential for Occurrence Within the Proposed Project area and Cumulative Effects Area | Eliminated From Detailed Analysis (Yes/No) |
|---|---|---|---|---|
| | | | occurs in the upper Colorado River system. Habitat is not present within the project area; however, water depletion will occur. | |
| Flannelmouth sucker *Catostomus latipinnis* | CAS | Adults occur in riffles, runs, and pools in streams and large rivers, with the highest densities usually in pool habitat. Young live in slow to moderately swift waters near the shoreline areas. | Moderate. The Flannemouth sucker is native in Utah. The species occurs in the Colorado River system. Habitat is not present within the project area. Habitat is not present within the project area; however, water depletion will occur. | No |
| Roundtail chub *Gila robusta* | CAS | Adults inhabit low to high flow areas in the Green River; young occur in shallow areas with minimal flow. | Moderate. The Roundtail chub is native in Utah. The species occurs in the Colorado River system. Habitat is not present within the project area. Habitat is not present within the project area; however, water depletion will occur. | No |
| Colorado River Cutthroat trout *Oncorhynchus clarkii pleuriticus* | CAS | Requires cool, clear water and well-vegetated streambanks for cover and bank stability; instream cover in the formof deep pools and boulders and logs also is important; adapted to relatively cold water, thrives at high elevations. Most remaining populations are fluvial or resident. Occurs also in lakes. | None. Habitat is not present within the project area. | Yes |
| Northern Goshawk *Accipiter gentilis* | CAS | Generally found in a wide variety of forest types including deciduous, coniferous, and mixed forests. Typically mature and old growth forests and generally selects larger tracts of forest over smaller tracts. In the western U.S., characteristically nests in coniferous forests including those dominated by ponderosa pine, lodgepole, or in mixed forests dominated by various coniferous speciss including, Douglas-fir, cedar, hemlock, spruce, and larch. Western birds also nest in deciduous forests dominated by aspen, paper birch, or willow. | None. Prefers old-growth forests near or within large drainage systems. Habitat is not present within the project area. | Yes |
| Bald eagle | WSC | In Utah, breeding occurrences are limited to 10 locations | None. Bald eagles utilize ungulate | Yes |

| Species | Status | Habitat Association | Potential for Occurrence Within the Proposed Project area and Cumulative Effects Area | Eliminated From Detailed Analysis (Yes/No) |
|---|---|---|---|---|
| *Haliaeetus leucocephalus* | | within four counties (Carbon, Daggett, Duchesne, Grand, and Salt Lake counties). Winter habitat typically includes areas of open water, adequate food sources, and sufficient diurnal perches and night roosts. | winter ranges that provide carrion, and areas of open water such as the Green River. Roosting or nesting habitat does not occur within the project area. | |
| American white pelican *Pelecanus erythrorhynchos* | WSC; PIF | Inhabits areas of open water including large rivers, lakes, ponds, and reservoirs with surrounding habitats ranging from barren to heavily vegetated sites. Typically nests on isolated islands in lakes or reservoirs. | None. Known to nest on islands associated with Great Salt and Utah Lakes. In northeastern Utah, the species occurs as a transient on larger water bodies. Habitat is not present within the project area. | Yes |
| Greater Sage-grouse *Centrocercus urophasianus* | WSC; PIF | Inhabits upland sagebrush habitat in rolling hills and benches. Breeding occurs on open leks (or strutting grounds) and nesting and brooding occurs in upland areas and meadows in proximity to water and generally within a 2-mile radius of the lek. During winter, sagebrush habitats at submontane elevations commonly are used. | None. The species is widespread, but declining, with extant populations in Uintah and Duchesne counties. Habitat is not present within the project area. | Yes |
| Ferruginous hawk *Buteo regalis* | WSC; PIF | Resides mainly in lowland open desert terrain characterized by barren cliffs and bluffs, pinon-juniper woodlands, sagebrush-rabbit brush, and cold desert shrub. Nesting habitat includes promontory points and rocky outcrops. | None. This species is known to occur in the West Desert and the Uintah Basin as a summer resident and a common migrant. Within the Uintah Basin, the species is more associated with prairie dog colonies as the main prey base. Habitat is not present within the project area. | Yes |
| Burrowing owl *Athene cunicularia* | WSC | Inhabits desert, semi-desert shrubland, grasslands, and agriculture areas. Nesting habitat primarily consists of flat, dry, and relatively open terrain; short vegetation; and abandoned mammal burrows (within northeastern Utah primarily in association with prairie dog complexes) for nesting and shelter. | None. Known to occur in Uintah and Duchesne counties. Habitat is not present within the project area. | Yes |
| Mountain plover *Charadrius montanus* | WSC; PIF | In the Uintah Basin, small Mountain plover populations breed in shrub-steppe habitat where vegetation is sparse and sagebrush communities are dominated by Artemesia spp. with components of black sage and grasses. Nest locations also vary with respect to topography (nests were | None. The only known breeding population of Mountain plover in Utah is located on Myton Bench. Habitat is not present within the project area. | Yes |

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|---|---|---|---|---|
| | | located on flat, open ground; on the top or at the base of slopes; or very close to large rocky outcroppings). | | |
| White-tailed prairie dog *Cynomys leucurus* | WSC | Inhabits grasslands, plateaus, plains and desert shrub habitats. White-tailed prairie dogs form colonies or "towns" and spend much of their time in underground burrows and hibernating during the winter months. | None. Prairie dogs are an obligate species to several other state-sensitive species, such as Ferruginous hawk, Mountain plover, and Burrowing owl, in that these species depend on them for food, shelter, and nesting habitat or habitat manipulation. Habitat is not present within the project area. | Yes |
| Short-eared owl *Asio flammeus* | WSC | Inhabits arid grasslands, agricultural areas, marshes, and occasionally open woodlands. In Utah, cold desert shrub and sagebrush-rabbit brush habitats also are utilized. Typically a ground nester. | None. Known to occur in Uintah County, with occurrence probable in Duchesne County. Habitat is not present within the project area. | Yes |
| Lewis's Woodpecker *Melanerpes lewis* | WSC; PIF | Inhabits open habitats including pine forests, riparian areas, and pinion-juniper woodlands. Breeding habitat typically includes ponderosa pines and cottonwoods in stream bottoms and farm areas. The species inhabits agricultural lands and urban parks, montane and desert riparian woodlands, and submontane shrub habitats. | None. In Utah, the species is widespread, but is an uncommon nester along the Green River. Breeding by this species has been observed in Ouray and Uintah counties, and along Pariette Wash. Habitat is not present within the project area. | Yes |
| Three-toed Woodpecker *Picoides tridactylus* | WSC; PIF | Prefers coniferous forest, primarily spruce and balsam fir. It inhabits areas where dead timber remains after fires or logging. It is found less frequently in mixed forest, and occasionally in Willow thickets along streams. Also found in high elevation aspen groves, bogs, and swamps. | None. In Utah, the species is widespread but no habitat exists within the Project area. The Three-toed woodpecker is associated more with spruce trees and not pinion pine or Doug-fir. Habitat is not present within the project area. | Yes |
| Grasshopper sparrow *Ammodramus savannarum* | WSC; PIF | Prefers grasslands of intermediate height and are often associated with clumped vegetation interspersed with patches of bare ground. Other habitat requirements include moderately deep litter and sparse coverage of woody vegetation. | None. In Utah, the species is widespread and has been known to breed in Uintah, Duchesne, and Daggett counties. Habitat is not present within the project area. | Yes |
| Long-billed Curlew | WSC; PIF | Inhabits shortgrass prairies, alpine meadows, riparian | None. Widespread migrant in Utah. | Yes |

| Species | Status | Habitat Association | Potential for Occurrence Within the Proposed Project area and Cumulative Effects Area | Eliminated From Detailed Analysis (Yes/No) |
|---|---|---|---|---|
| *Numenius americanus* | | woodlands, and reservoir habitats. Breeding habitat includes upland areas of shortgrass prairie or grassy meadows with bare ground components, usually near water. | Breeding birds are fairly common but localized, primarily in central and northwestern Utah. Potential nesting has been reported in Uintah County, but has not been confirmed. Habitat is not present within the project area. | |
| Bobolink<br>*Dolichonyx oryzivorus* | WSC; PIF | Inhabits mesic and irrigated meadows, riparian woodlands, and subalpine marshes at lower elevations (2,800 to 5,000 feet amsl). Suitable breeding habitat for this ground nester includes tall grass, flooded meadows, prairies, and agricultural fields; forbs and perch sites also are required. | None. The species breeds in isolated areas of Utah, primarily in the northern half of the state. Breeding and winter habitat have been documented throughout Uintah, Duchesne, and Daggett counties. Habitat is not present within the project area. | Yes |
| Big free-tailed bat<br>*Nyctinomops macrotis* | WSC | Rocky areas in rugged country. The species has been observed in lowlands of river floodplain-arroyo association; also in shrub desert and woodland habitats. Roosts in rock crevices (vertical or horizontal) in cliffs; also in buildings caves, and occasionally tree holes. Winter habits unknown. | None. The species has been documented in northeastern part of the state from Daggett County into Wyoming. Habitat for this species is not present within the project area. | Yes |
| Fringed myotis<br>*Myotis thysanodes* | WSC | The species is widely distributed throughout Utah, but is not very common in the state. The Fringed myotis inhabits caves, mines, and buildings, most often in desert and woodland areas. | None. High value and substantial value habitat exists for the species in southern Utah in lower elevations; however, the species has had a couple documented sightings along the White River. Habitat is not present within the project area. | Yes |
| Spotted bat<br>*Euderma maculatum* | WSC | Inhabits desert shrub, sagebrush-rabbit brush, pinion-juniper woodland, and ponderosa pine and montane forest habitats. The species also uses lowland riparian and montane grassland habitats. Suitable cliff habitat typically appears to be necessary for roosts/hibernacula. Spotted bats typically do not migrate and use hibernacula that maintain a constant temperature above freezing from September through May. | None. The species potentially occurs throughout Utah; however, no occurrence records exist for the extreme northern or western parts of the state. Known occurrences have been reported in northeastern Uintah County. Habitat is not present within the project area. | Yes |

| Species | Status | Habitat Association | Potential for Occurrence Within the Proposed Project area and Cumulative Effects Area | Eliminated From Detailed Analysis (Yes/No) |
|---|---|---|---|---|
| Townsends big-eared bat *Corynorhinus townsendii* | WSC | Inhabits a wide range of habitats from semidesert shrublands and pinion-juniper woodlands to open montane shrublands and pinion-juniper woodlands to open montane forests. Roosting occurs in mines and caves, in abandoned buildings, on rock cliffs, and occasionally in tree cavities. Foraging occurs well after dark over water, along margins of vegetation, and over sagebrush. | None. The species occurs throughout much of Utah including Duchesne and Uintah counties. One individual was collected at the Ouray National Wildlife Refuge in 1980. Roosting habitat for this species potentially could occur in areas where rock cliffs and caves are present. Habitat is not present within the project area. | Yes |
| Western (Boreal) toad Bufo boreas | WSC | Commonly found throughout most of Utah and can be found in a variety of habitats, including slow moving streams, wetlands, desert springs, ponds, lakes meadows, and woodlands. | None. The species is commonly spread throughout central and northern Utah. The only known occurrence in the basin exists within the northwest portion of Uintah County which has substantial value habitat for the species. Habitat is not present within the project area. | Yes |
| Corn snake *Elaphe guttata* | WSC | Habitat includes pine woodlands, brushy fields, open hardwood forests, mangrove thickets, barnyards, and abandoned buildings, areas near springs, old trash dumps, and caves. | None. Occurs in Uintah County. The species have been identified at Ouray National Wildlife Refuge. Habitat is not present within the project area. | Yes |
| Smooth green snake *Opheodrys vernalis* | WSC | Habitat includes meadows, grassy marshes, moist grassy fields at forest edges, mountain shrublands, stream borders, bogs, open moist woodland, abandoned farmland, and vacant lots. | None. Although not commonly seen throughout Utah the species has been documented in the northern section of Uintah County in lower elevations. | Yes |
| Prairie falcon *Falco mexicanus* | PIF | Habitat includes alpine, cliff, cropland/hedgegrow, desert, and grassland/herbaceous areas. | None. Habitat is not present within the project area. | Yes |
| Swainson's hawk *Buteo swainsonii* | PIF | Inhabits grasslands, deserts, agricultural areas, shrublands, marshlands, and riparian forests. Nest in trees in or near open areas. Breeding season: April 1 – July 15. | None. Habitat is not present within the project area. | Yes |
| Black-chinned hummingbird *Archilochus alexandri* | PIF | Habitat includes dry lowlands and foothills with pinion-juniper woodlands. | None. Habitat is not present within the project area. | Yes |
| Broad-tailed hummingbird | PIF | Habitat includes open woodland, especially pinion-juniper, pine-oak, and conifer-aspen association; brushy hillsides; | None. Habitat is not present within the project area. | Yes |

| Species | Status | Habitat Association | Potential for Occurrence Within the Proposed Project area and Cumulative Effects Area | Eliminated From Detailed Analysis (Yes/No) |
|---|---|---|---|---|
| *Selasphorus platycercus* | | montane scrub and thickets. | | |
| Brewer's sparrow *Spizella breweri* | PIF | Habitat includes desert and shrubland/chaparral. | Low. Habitat is present within the project area. | No |
| Cassin's finch *Carpodacus cassinii* | PIF | Habitat includes open coniferous forest; in migration and winter also in deciduous woodland, secondary growth, scrub, brushy areas, partly open situations with scattered trees. | None. Habitat is not present within the project area. | Yes |
| Cassin's kingbird *Tyrannus vociferan* | PIF | Habitat includes sparse woods and dry scrub areas. | None. Habitat is not present within the project area. | Yes |
| Clark's nutcracker *Nucifraga Columbiana* | PIF | Habitat includes open coniferous forest, forest edge and clearings, primarily in mountains, but wandering into various habitats; in winter also in lowlands. | None. Habitat is not present within the project area. | Yes |
| Gray flycatcher *Empidonax wrightii* | PIF | Habitat includes arid areas of sagebrush or pinion-juniper woodlands. | None. Habitat is not present within the project area. | Yes |
| Gray vireo *Vireo vicinior* | PIF | Habitat includes dry shrubby areas, chaparral, and sparse woodlands. | None. Habitat is not present within the project area. | Yes |
| Green-tailed towhee *Pipilo chlorurus* | PIF | Habitat is usually low shrubs, sometimes interspersed with trees; avoids typical forest, other than open pinion-juniper woodlands. In pinion-juniper, associated with sagebrush (*Artemesia* spp.) dominated openings with high shrub species richness. | None. Habitat is not present within the project area. | Yes |
| Juniper titmouse *Parus inornatus* | PIF | Habitat includes sparse pinion-juniper and oak woodlands. | None. Habitat is not present within the project area. | Yes |
| Mountain bluebird *Sialia currucoides* | PIF | Habitat includes subalpine meadows, grasslands, shrub-steppe, savanna, and pinion-juniper woodlands; in south usually at elevations above 1500 m (4900 ft.). In winter and migration also inhabits desert, brushy areas and agricultural lands. | Moderate. Habitat is present within the project area. | No |
| Pinion jay *Gymnorhinus cyanocephalus* | PIF | Habitat includes semi-arid foothills with pinion-juniper woodlands. | None. Habitat is not present within the project area. | Yes |
| Sage sparrow *Amphispiza belli* | PIF | Habitat includes dry sagebrush/scrublands with sparse vegetation. | Low. Habitat is not present within the project area. | No |
| Sage thrasher | PIF | Habitat includes desert and shrubland/chaparral. | None. Habitat is not present within | Yes |

| Species | Status | Habitat Association | Potential for Occurrence Within the Proposed Project area and Cumulative Effects Area | Eliminated From Detailed Analysis (Yes/No) |
|---|---|---|---|---|
| *Oreoscoptes montanus* | | | the project area. | |
| Virginia's warbler *Vermivora virginiae* | PIF | Habitat includes dry woodlands, scrub oak brushlands, canyons and ravines. | None. Habitat is not present within the project area. | Yes |
| White-throated swift *Aeronautes saxatalis* | PIF | Habitat includes cliffs and canyons. | None. Habitat is not present within the project area. | Yes |
| Wilson's phalarope *Phalaropus tricolor* | PIF | Habitat includes grassland/herbaceous riparian and wetlands. | None. Habitat is not present within the project area. | Yes |

Federally Listed Species:

- FE = Federally listed as endangered;
- FT = Federally listed as threatened;
- FC = Federally listed as candidate

State Sensitive Species:

- CAS = State Conservation Agreement Species;
- WSA = Wildlife Species of Concern

PIF = Partners in Flight species of concern, Colorado Plateau, Utah Mountains, potentially in the Vernal Field Office.

## POTENTIAL OCCURRENCE SUMMARY
## SPECIAL STATUS PLANT SPECIES VFO

| SPECIES | STATUS | LOCATION / HABITAT (county—location, geologic stratum, plant community, elevation) | OCCURRENCE or POTENTIAL OCCURRENCE | ELIMINATED FROM FURTHER ANALYSIS? |
|---|---|---|---|---|
| *Arabis vivariensis* Park rock cress | S | Uintah—Diamond Mt, Diamond Gulch Weber Fm sandstone & limestone, MDS or PJ, 5000'-6000' | No. Habitat for this species does not occur in Project Area. | |
| *Astragalus equisolensis* Horseshoe milkvetch | + | Uintah—Green River Horseshoe Bend, Duchesne River Fm sand & silty sand, MDS, 4790'-5185' | No. Habitat for this species does not occur in Project Area. | |
| *Astragalus hamiltonii* Hamilton milkvetch | S | Uintah—Asphalt Ridge Mowry, Dakota & Wasatch Fms Lapoint & Dry Gulch Mbrs, Duchesne Fm MDS or PJ, 5240'-5800' | No. Habitat for this species does not occur in Project Area. | |
| *Cirsium ownbeyi* Ownbey thistle | S | Daggett, ne Uintah—east Uinta Mts canyons Crowe & Allen Cyns, Diamond Mt WMA PJS, MDS or riparian, 5500'-6200' | No. Habitat for this species does not occur in Project Area. | |
| *Cleomella p.* var. *goodrichii* Goodrich cleomella | S | Uintah—Diamond Mt Morrison, Mancos, Tropic Fms heavy clay & shale slopes SDS, 4000'-6000 | No. Habitat for this species does not occur in Project Area. | |
| *Erigeron untermannii* Untermann fleabane | S | Duchesne, Uintah—West Tavaputs Plateau Green River, Uinta Fm ridges, dry calcareous shales & sandstones PJ or MB, 7000'-7800' | No. Habitat for this species does not occur in Project Area. | Yes. |

| SPECIES | STATUS | LOCATION / HABITAT (county—location, geologic stratum, plant community, elevation) | OCCURRENCE or POTENTIAL OCCURRENCE | ELIMINATED FROM FURTHER ANALYSIS? |
|---|---|---|---|---|
| *Habenaria zothecina*<br>Alcove bog-orchid | S | Uintah—"hanging garden" oases<br>Navajo or Nugget Sandstone Fm<br>MDS, PJS, or oak brush, 4360'-8690' | No. Habitat for this species does not occur in Project Area. | Yes. |
| *Hymenoxys lapidicola*<br>Rock bitterweed | S | Uintah—Blue Mt, Cliff Ridge<br>Weber Fm, sandy ledges & crevices<br>PJ or ponderosa-manzanita, 5700'-8100' | No. Habitat for this species does not occur in Project Area. | Yes. |
| *Lepidium barnebyanum*<br>Barneby's pepperplant | E | TRIBAL—Duchesne<br>West Tavaputs Plateau, Indian Canyon Uinta Fm,<br>white shale outcrops & ridges<br>barren inclusions in PJ, 6200'-6500' | No. Habitat for this species does not occur in Project Area. | Yes. |
| *Lepidium huberi*<br>Huber pepperplant | S | Uintah—foothills, Ashley Crk, Dry Fork<br>Chinle, Park City, Weber Fm<br>eroding cliffs, alluvium, sandy or shaly bluffs black sage or MB, 5000'-6400' | No. Habitat for this species does not occur in Project Area. | Yes. |
| *Mentzelia goodrichii*<br>Goodrich blazingstar | S | Duchesne—Willow & Argyle Canyons<br>Green River Fm, steep escarpments & cliffs<br>white calcareous shale, open MB, 8100'-8800' | No. Habitat for this species does not occur in Project Area. | Yes. |
| *Penstemon acaulis*<br>Stemless beardtongue | S | Daggett—Browns Park Fm<br>ashy, gravelly or sandy ridges & knolls<br>sagebrush-desert grass or PJ, 5840'-7285' | No. Habitat for this species does not occur in Project Area. | Yes. |
| *Penstemon gibbensii*<br>Gibbens beardtongue | S | Daggett—Browns Park Fm<br>Green River Fm sandy / shaly bluffs, slopes<br>juniper, thistle, buckwheat, serviceberry<br>5500'-6400' | No. Habitat for this species does not occur in Project Area. | Yes. |

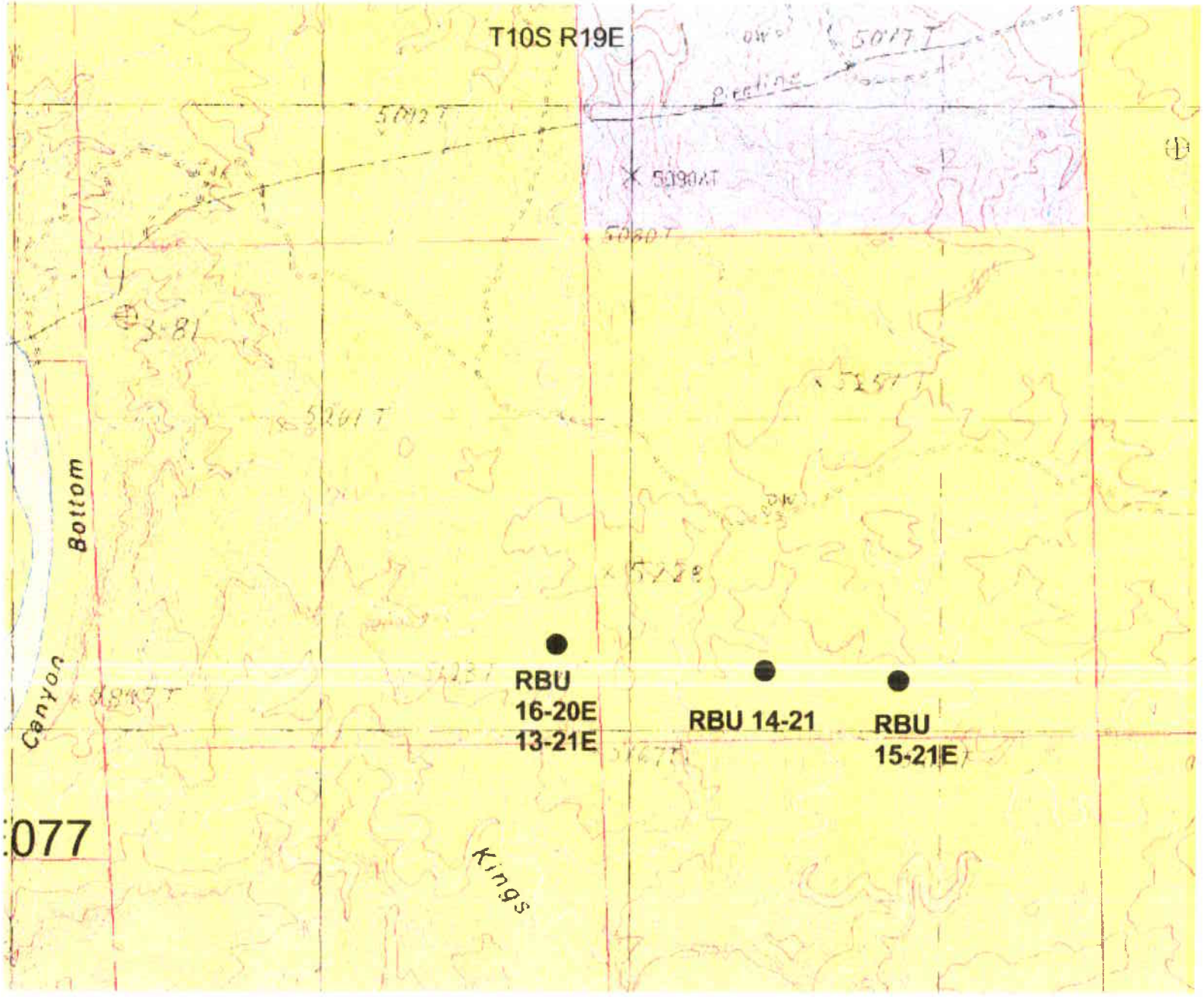
| SPECIES | STATUS | LOCATION / HABITAT (county—location, geologic stratum, plant community, elevation) | OCCURRENCE or POTENTIAL OCCURRENCE | ELIMINATED FROM FURTHER ANALYSIS? |
|---|---|---|---|---|
| *Penstemon goodrichii* Goodrich beardtongue | S | Duchesne, Uintah— Lapoint, Tridell, Whiterocks Duchesne River Fm; clay badlands MDS, shadscale, PJ or MB, 5590'-6215' | No. Habitat for this species does not occur in Project Area. | Yes. |
| *Penstemon grahamii* Graham beardtongue | S | Uintah, Duchesne— oil shale outcrops throughout VFO Evacuation Creek, lower Parachute Mbrs oil shale or white shale knolls & talus semi-barren MDS or PJ, 4600'-6700' | No. Habitat for this species does not occur in Project Area. | Yes. |
| *Penstemon s.* var. *albifluvis* White River beardtongue | C | Uintah—south & southeast of Bonanza Evacuation Creek, lower Parachute Mbrs shale slopes, semi-barren MDS or PJ 4600'-6000' | No. Habitat for this species does not occur in Project Area. | Yes. |
| *Schoenocrambe argillacea* Clay reed-mustard | T | Uintah—canyon rims & steep slopes contact zone, Uinta-Green River Fms MDS, 5000'-5650' | No. Habitat for this species does not occur in Project Area. | Yes. |
| *Schoenocrambe suffrutescens* Shrubby reed-mustard | E | Duchesne, Uintah— Big Pack Mt, Wrinkles Rd, Hill Creek Basin Green River Fm, calcareous shale MDS, PJS or MB, 5400'-6000' | No. Habitat for this species does not occur in Project Area. | Yes. |
| *Sclerocactus brevispinus* Pariette cactus | T | Duchesne—Pariette Wash south of Myton Uinta Fm, Wagonhound Mbr, alkaline clay shadscale, mat-saltbush, greasewood comm 4700'-5400' | No. Habitat for this species does not occur in Project Area. | Yes. |
| *Sclerocactus wetlandicus* Uinta Basin hookless cactus | T | Duchesne, Uintah—widespread in VFO alluvial benches Ouray to Carbon Co. line MDS, 4700'-6000' | No. Habitat for this species does not occur in Project Area. | Yes. |

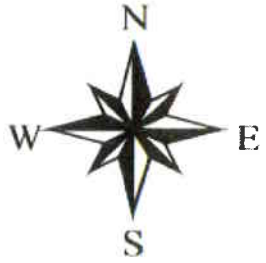
| SPECIES | STATUS | LOCATION / HABITAT (county—location, geologic stratum, plant community, elevation) | OCCURRENCE or POTENTIAL OCCURRENCE | ELIMINATED FROM FURTHER ANALYSIS? |
|---|---|---|---|---|
| *Spiranthes diluvialis*<br>Ute ladies'-tresses | T | Daggett, Duchesne, Uintah—<br>unconsolidated alluvium<br>riparian corridors, wetlands, wet meadows<br>4400'-6810' | No. Habitat for this species does not occur in Project Area. | Yes. |
| *Thelesperma caespitosum*<br>Uinta greenthread | S | Duchesne—<br>West Tavaputs Plateau, north slope Uinta Mts<br>Bishop Fm, white shale benches, ridgecrests<br>cushion plant comm above PJS & MB<br>5000'-9000' | No. Habitat for this species does not occur in Project Area. | Yes. |

STATUS:
E = Federally Endangered
T = Federally Threatened
C = Federal Candidate
S = Bureau-sensitive
+ = species of concern

HABITAT:
MB = Montane Brush
MDS = Mixed Desert Shrub
PJ = Pinyon-Juniper
PJS = Pinyon-Juniper-Sagebrush
SDS = Salt Desert Scrub

OCCURRENCE: No = populations, potential or suitable habitat for this species unknown in Project Area.
Yes = Individuals, suitable habitat and/or potential habitat do occur in Project Area.




Ve_township
Ve_ripl
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BLM
BOR
DWR
FS
FWS
NPS
Private
State
Tribe
Unknown
Co_surfstatus
BIA
BLM
COLORADO
DOD
DOE
FED
NBS
NOAA
NPS
PVT
USFS
USFWS

# Kings Canyon Road North

0.0500.05.1 Miles