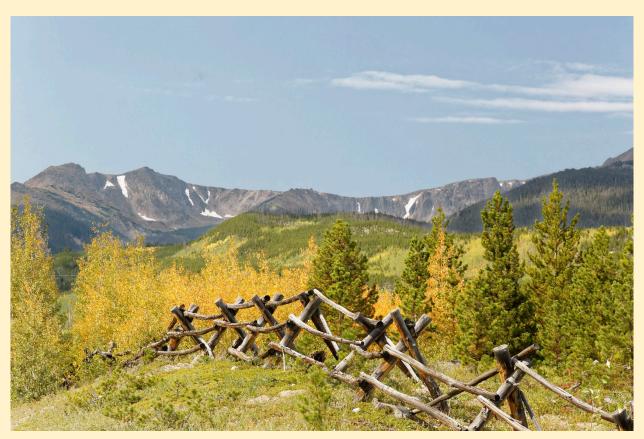
Biodiversity of the Colorado State University Lands







CNHP's mission is to preserve the natural diversity of life by contributing the essential scientific foundation that leads to lasting conservation of Colorado's biological wealth.

Colorado Natural Heritage Program

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Colorado Natural Heritage Program Warner College of Natural Resources

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ABSTRACT

During the academic year of 2021-2022, the Colorado Natural Heritage Program (CNHP) was contracted by CSU Facilities Management to complete a biodiversity survey of the CSU lands. This assessment will be used by Facilities Management to self-report on the Biodiversity component of the Operations category in the STARS (Sustainability, Tracking, Assessment, & Ratings System) report. This report assesses endangered and vulnerable species (including migratory species) on CSU-owned and managed lands and areas of biodiversity importance on CSU-owned and managed lands. An additional aim of this project was to include students in the geospatial analysis, research, and field data collection efforts, thereby lowering project costs and providing mentorship and experience to the students.

Biodiversity was assessed through a geospatial environmental review of the properties which includes documented and potential occurrences of regulatory species and other species of concern within the property and a 1-mile buffer, assessment of the conservation areas adjacent to the property and within a buffer, and the diversity and acreage of wetlands and other ecosystem types. The conservation value of each property, based on a Return-on-Investment report, is presented. Geospatial data area used to evaluate climate resiliency and landscape disturbance. Further research into species on the largest and most well-studied properties is presented, along with results of field work.

Colorado State University holds 32 individual properties, spanning 14 counties across Colorado, covering a total of 3,943 hectares. Properties held by CSU had 303 documented occurrences of regulatory species and other species of concern within 1 mile returned in the environmental review; additionally, potential habitat was returned for another 2210 regulatory and other species of concern from a combination of range maps, general precision CNHP element occurrence records, and models. Through the many metrics of biodiversity assessed, several properties stood out; these included the Eastern Colorado Research Center, the Mountain Campus, Foothills, Horsetooth, and the Environmental Learning Center. At the Eastern Colorado Research Center, a combination of research field work recorded 187 species as visual observations and/or within a modeled area. At the Mountain Campus, student research and field work recorded a total of 1,044 species as visual observations and/or within a modeled area, with 754 Animalia species, 273 Plantae species and 17 Fungi species.

Along with providing information on the biodiversity on the CSU lands, this project provided educational value to CSU students and facilitated the creation of a storymap to showcase the biodiversity of CSU lands to the public and stakeholders. The biodiversity assessment suggests several actions which could be taken to protect, enhance, or restore the biodiversity found on CSU lands and identified properties with possible conservation gains through enhancement and restoration.

ACKNOWLEDGEMENTS

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INTRODUCTION

The <u>Colorado Natural Heritage Program</u> (CNHP) is a sponsored program within Warner College of Natural Resources at Colorado State University (CSU) in Fort Collins, Colorado. CNHP tracks and ranks Colorado's rare and imperiled species and habitats and is a member of the <u>NatureServe Network</u>, an international network of partners monitoring the status of biodiversity from state, national and global perspectives. During the academic year of 2021-2022, CNHP was contracted by CSU Facilities Management to complete a biodiversity survey of the CSU lands. This assessment will be used by Facilities Management to self-report on the Biodiversity component of the Operations category in the framework for colleges and universities to measure their sustainability performance as tracked by STARS, the <u>Sustainability Tracking</u>, <u>Assessment & Ratings System</u>. Through this set of metrics, CSU is acknowledged as one of the most sustainable universities in the country, with the second highest score out of 681 rated institutions (<u>stars.aashe.org</u>, accessed 5/17/2022). CSU received and has maintained the highest rating of Platinum since 2015, demonstrating a sustained commitment to campus sustainability.

The objectives of this report are to inform the criteria in the STARS reporting framework related to:

- 1. Assess both endangered and vulnerable species (including migratory species) on CSU-owned and managed lands and
- 2. Assess areas of biodiversity importance on CSU-owned and managed lands.

Along with other biodiversity metrics, neighboring properties adjacent to and within a defined buffer to CSU-owned lands are reviewed for conservation ownership and management to inform this last criteron. Additional criteria in the STARS assessment are the existence of plans or programs, either put into place by the University or other agencies but followed by the University, to protect or positively affect the species, habitats, and or ecosystems identified in this assessment. This report also discusses conservation programs and plans. Beyond providing the metrics needed for the STARS framework, this report may be used to inform future efforts towards restoration, habitat connectivity enhancement, and land use planning.

Colorado State University holds 32 individual properties, spanning 14 counties across Colorado, covering a total of 3,943 hectares. The University is a land grant institution, which acknowledges with respect that the lands occupied today are the traditional and ancestral homelands of the Arapaho, Cheyenne and Ute Nations and peoples. CSU properties are concentrated in Larimer County in northcentral Colorado but span the state from the southwest corner in Montezuma County to the southeast corner in Baca County. Properties range in size from 1,196 hectares to 0.06 hectares, with the average size of 123 hectares. Two of the largest properties owned by CSU are the Eastern Colorado Research Center, which is a livestock research facility in Washington County located in the heart of Colorado's sandsage terrestrial ecosystem, and the Mountain Campus, an academic field studies facility in Larimer County in the montane forest lodgepole pine terrestrial ecosystem.

The assessment of biodiversity of CSU lands followed a tiered approach. Using CNHP's online interactive mapping tool, the <u>Colorado's Conservation Data Explorer (CODEX)</u>, an environmental review was conducted for each of CSU's 32 owned properties. CODEX synthesizes documented sensitive species data and potential species habitat using models from CNHP, Colorado Parks & Wildlife (CPW), Bird Conservancy of the Rockies, USFWS, and a myriad of other sources. The biodiversity of the CSU lands was assessed through intersecting the GIS footprint of the properties to all geospatial data layers

accessed through CODEX and other geospatial data sources. Secondarily, research and field visits were conducted for targeted properties to compile a detailed list of documented species occurrences. CSU's largest properties, the Eastern Colorado Research Center, and the Mountain Campus, were included in this effort. As the largest and most well-studied properties, this approach resulted in a large amount of documented biodiversity information.

Additionally, the STARS assessment criteria states that lands managed by the institution are also eligible for inclusion in an assessment of biodiversity. The Semi-arid Grasslands Research Center (SGRC) is a facility in Nunn, Colorado cooperatively managed by CSU and the USDA Agricultural Research Service (ARS). The facility sits on 28 acres of land owned by ARS and leased by CSU. CSU does not participate in the management of this property, other than the buildings on the south side of the road (personal communication Eugene Kelly and Melinda Smith, 5/18/2022) (Appendix 1). The facility is within the larger Central Plains Experimental Range, an area of land owned by ARS and the site of extensive research conducted by CSU staff and others. However, as the property is not managed by CSU, this property was not included in this assessment of biodiversity.

An additional aim of this project was to include students in the geospatial analysis, research, and field data collection efforts, thereby lowering project costs and providing mentorship and experience to the students. Graduate students in the Ecosystem Science and Sustainability (ESS) 501 course in Fall 2021 researched the biodiversity of the Mountain Campus and ECRC properties for their semester-long project. These students also accompanied CNHP staff into the field at the ECRC. Undergraduate students in the ESS 440 course in Spring 2022 ran the geospatial analysis of biodiversity data on the 32 CSU-owned properties for their semester-long project. These students accompanied CNHP staff into the field at the Mountain Campus to collect biodiversity data. Both groups of students created an ESRI Storymap in addition to a final report to showcase the project and the biodiversity of the CSU lands. This storymap, finalized by CNHP staff in June 2022, is a publicly available document providing interested citizens, stakeholders, and the STARS decision makers access to a dynamic window through which they can understand our university's positive impacts on biodiversity.

METHODS

Geospatial analysis of CSU lands

Shapefiles of the property boundaries were obtained from CSU Facilities in the fall of 2021 and used by students in the ESS 440 course to run an environmental review for each property using CODEX in the spring of 2022. Detailed instructions on the procedure and data to collect were created by CNHP staff mentors (Appendix 2). The CODEX reports returned data in several categories either within the property boundary or within a 1-mile boundary buffer, depending on the category (Table 1).

Table 1. Categories of data returned in the CODEX report for each CSU property.

Documented Occurrences of Regulatory Species within 1 mile of Project Area

Potential Regulatory Species within Project Area: Models, Range Maps or Records with Low Precision

Documented Occurrences of Other Species of Concern within 1 mile of Project Area

Potential Occurrences of Other Species of Concern within Project Area: Models, Range Maps, Low Precision Records

CNHP Potential Conservation Areas (PCAs) and Other Special Areas within 1 mile of Project Area

Students compiled data on the number of species in first four categories listed in Table 1 above, the number of PCAs and other Special Areas, the number of types of NWI features in the property and wetland acreage. Regulatory species included species with federal protection under the Endangered Species Act (ESA) or Bald and Golden Eagle Protection Act along with USFWS designated critical habitat. Other species of concern included globally rare species and plant communities, Bureau of Land Management (BLM) Sensitive Species or USFS Special Status Species, Colorado Threatened and Endangered List Status, or Tier 1 and Tier 2 priority species from the Colorado State Wildlife Action Plan, and species of economic and recreational value. Globally rare species and plant communities are ranked according to CNHP and the NatureServe Network ranking methodology using a 1-5 scale, with 1 indicating critically imperiled and 5 secure, for both global rarity (G-rank) and state rarity (S-rank). All ranks are reported along with the species name in the CODEX tables. Potential Conservation Areas (PCAs) are sites identified by CNHP which encompass known elements of biodiversity and the habitat needed to sustain these elements. Other Special Areas include Colorado Designated State Natural Areas, Audubon Important Bird Areas, managed lands from the Colorado Ownership, Management, and Protection (COMaP) database linked within CODEX and the Colorado SB181 High Priority Habitats. Colorado SB181 high priority habitats are habitats designated in wildlife maps which are updated annually and subject to a hearing. These habitats trigger avoidance or consultation with CPW by oil and gas operators under new rules by the Colorado Oil and Gas Conservation Commission (COGCC). See Appendix 3 for a table of all conservation statuses and hyperlinked website references used in this report. These data were used to create a picture of biodiversity for each property, as well as flag the presence of endangered and vulnerable species.

A Return-on-Investment (ROI) report was also run in the CODEX for each property. This report estimates the annual benefits in dollars based on the ecosystems which are present on the property and the services they provide (Seidl et. al. 2017). The ecosystem types are pulled from the <u>National Landcover Database</u> (v. 2016), which is derived from Landsat mosaics at a spatial resolution of 30 meters. The students used this data to investigate the number of ecosystem types on the properties and acreage of each class.

Further geospatial analysis was completed on these properties to assess the climate resiliency, connectedness, and anthropogenic impacts on a landscape scale using three additional datasets. CNHP staff developed detailed procedures on how to run reports or gather statistics based on these data (Appendix 2), which ESS 440 students than ran.

The first dataset, the Landscape Disturbance Index (LDI), is a raster digital dataset developed by CNHP representing eight layers of individually modeled anthropogenic impacts (Decker et al. 2017). The mean and standard deviation of the index on the property, calculated from values in 30×30 m raster cells, were calculated by the students.

The second dataset, the Colorado Ownership, Management, and Protection (COMaP) layer, is a geospatial database with over 28,000 entries of protected lands parcels from over 300 different data sources. The students ran an analysis of the percentage of land of within a 4-mile buffer of each property in 333 different management categories in the database. The CSU biologist also reviewed CSU-owned properties in ArcGIS with the COMaP layer and CNHP PCA layer to note any properties which were adjacent to legally protected areas (e.g., IUCN Category I-VI) or regions of conservation importance called out in the STARS criteria. This includes a Strict Nature Reserve, Wilderness Area, National Park,

Natural Monument or Feature, Habitat/Species Management Area, Protected Landscape/Seascape, or Protected area with sustainable use of natural resources. This, in conjunction with the tally of the number of PCAs and other special management areas within a 1-mile buffer of the properties returned from the CODEX environmental review, paints a picture of the connectedness of CSU lands to other lands with conservation value.

The third dataset was found in the The Nature Conservancy's (TNC) Resilient and Connected (R&C) Landscape Mapping Tool, an interactive online mapping tool returning metrics on resilience to climate change. This tool returns the percentage of the property within 7 categories of climate resiliency, ranging from far above average to far below average, as well as including the percentage of developed land on the property. The climate resiliency score is based on two metrics which are also reported independently: the local connectedness and landscape diversity metrics. For these metrics, the tool returns the percentage of the property in the same seven categories of far above average to far below average. The local connectedness is evaluated based on level of development and the landscape diversity metric is based on the variety of microhabitats on the property which create variations in topography, local climate and other factors. A diversity of microhabitats and less development indicate greater potential climate resiliency.

For data quality control, four of the 32 properties (10%) were selected randomly by CNHP staff to check the student's tally of data in each CODEX category and check their geospatial analysis results. From Tables 1-5 in the CODEX report, a high rate of error was found in the actual number of species in the CODEX report and the number reported by the students (28%), which led to a line-by-line check of these data. The category of "Total # potential species of concern within a project area" was difficult for both students and CNHP staff to count with confidence. CNHP staff developed a procedure to obtain these data by converting the pdf report into an xml file and using the remove duplicate function in Excel to obtain accurate counts in all categories for the CODEX reports. For the ROI data transcription and LDI, COMaP, and TNC R&C Lands spatial data analysis, the same random 10% of properties were used and the spatial analysis was re-run data and the data checked. No errors were found on the check of transcription from the Return-on-Investment reports and only minor errors in the geospatial analysis checks were noted (less than 1% of totals), therefore no further checks of these data were completed. For the COMaP analysis, one property did not total to 100% and the analysis of that property was repeated.

Detailed Analysis of Selected Properties

For the two largest and most well-studied properties, the Mountain Campus and the Eastern Colorado Research Center (ECRC), additional research and field data collection were conducted to assess the biodiversity of the properties. The students in the Fall 2021 ESS 501 graduate course combed several datasets to compile a list of species documented from the sites (Table 2). Databases for species observations on the property using the property boundary shapefile included iNaturalist, SEINet, Symbiota Collections of Arthropods Network (SCAN), and Global Biodiversity Information Facility (GBIF). eBird creates population maps for bird species based on observations from their platform. Modeled species habitat came from the Species Activity Mapping Data from the Colorado Parks and Wildlife (CPW). The selected species lists from each database were merged and duplicate entries for the same species were condensed to construct a master list for each research site. Observations were selected over modeled data, and when multiple observations for the same species had been made, the most recent observation was kept.

Table 2. Summary of data sources for the detailed analysis of selected properties.

| Source | Data Type |
|---------------|--|
| iNaturalist | Most popular citizen science platform for all types of biological observations |
| <u>SEINet</u> | Museum and Herbarium collections database for plant species |
| SCAN | Symbiota Collections of Arthropods Network - the largest collection of preserved and observed arthropods |
| GBIF | Global Biodiversity Information Facility - integrated collection of observations from multiple research, academic, and citizen science platforms |
| <u>eBird</u> | Avian breeding, migration, and year-round population distribution maps created from global citizen science observations |
| <u>CPW</u> | Colorado Parks and Wildlife - habitat models for Colorado's fauna |

In addition to their database and mapping resources search, the ESS 501 students conducted interviews with facility staff, researchers, and other professionals associated with the campuses to obtain records and knowledge on species biodiversity. Information provided included field observations, scientific literature of species research conducted at the campuses, and species lists from past and ongoing research. From the ECRC, the students talked with the property manager, Doug Couch and his son, Wesley Couch (10/15/2021). For information pertaining to the Mountain Campus, virtual conversations took place with Seth Webb, the Mountain Campus Director (10/26/21), Paul Doherty, a CSU Department of Fish, Wildlife & Conservation Biology (DFWCB) professor (10/26/21), and Lise Aubry, a CSU DFWCB professor (10/28/21). Additionally, communication via email was exchanged with Sara Bombaci, a CSU DFWCB assistant professor (10/29/21), who provided a species list from the 2015 CSU SEEDS Chapter BioBlitz where 270 unique species were identified at the Mountain Campus, and with Tanya Dewey, a CSU Department of Biology research scientist, regarding her bat research on the campus (10/28/21) (Appendix 1). Observations from this acquired information were cross-referenced by the students with the modeled species data from the CPW All Species Activity Map Data and eBird species population maps to confirm predictions.

For the ECRC and Mountain Campus, the ESS 501 students used various functions in Microsoft Excel (Appendix 2) to intersect the species lists with CNHP databases to link species to additional data such as scientific name, nativity status, and heritage, state, and federal ranks. The invasive status of plant species was investigated with Colorado Department of Agriculture maintained list of Colorado Noxious Weeds. Additionally, both ESS 501 and ESS 440 students annotated the plant species list from these two campuses with Coefficient of Conservatism (C values) for each plant species (Rocchio 2007, Smith et al. 2020). C values range from 0-10 and represent the degree to which a plant species shows specificity to a landscape which is relatively unaltered from pre-European settlement conditions. High values indicate the plant is associated with relatively undisturbed landscapes and low values indicate species which can tolerate habitat degradation (Appendix 3). C values have been assigned to each species by a panel of expert botanists in Colorado. Using the C values, the ESS 440 students ran a Floristic Quality Assessment of each campus, using the online Floristic Quality Analysis Calculator to obtain the mean C value and

Floristic Quality Index (FQI), where the FQI is the mean C value of all plants multiplied by the square root of the number of all plants (Appendix 2).

In the fall of 2021, two field visits were made to the ECRC by CNHP biologists and the ESS 501 students on October 15th and 29th. Four zones of the property were selected for data collection. On October 15th, three out of these four zones were equipped with a Wildlife Acoustics Song Meter Mini Bat monitor to record ultrasonic animal vocalizations (bats and rodents) – one of these monitors was also equipped for acoustic sound recording (birds) – and all four zones were equipped with a Cuddeback Digital trail camera (Figures 1 & 2). Monitoring locations were selected in accordance with available space and to avoid obstacles that would interfere with the acoustic monitoring devices' ability to detect sounds. The Song Meter Mini Bat was configured and paired on-site using the Song Meter iPhone application. On the initial visit, potential disturbances and signs of wildlife were noted. On the second field trip, an opportunistic list of plant species observations was made as the acoustic devices and camera traps were reclaimed. The observations made on these visits and recorded by the monitoring equipment were added to the species lists compiled from research.

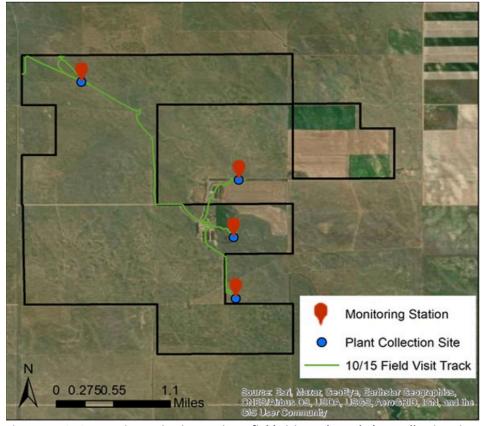


Figure 1. ECRC acoustic monitoring stations, field visit tracks and plant collection sites.



Figure 2. Monitoring station deployment locations represented by A. Small, linear mature cottonwood gallery, B. Treed windrow, C. Mid-grass prairie, D. Cattle trough adjacent to cattle pastures, E. Acoustic monitoring device.

CNHP biologists with assistance from Ecosystem Science and Sustainability 440 students, deployed three monitoring stations across the Mountain Campus on April 10th, 2022 (Figures 3 &4). All three of the monitoring stations were equipped with a Wildlife Acoustics Song Meter Mini Bat to record ultrasonic sounds. At one site, one of these monitors was also equipped for acoustic sound recording. All three stations were equipped with a Cuddeback Digital trail camera. Monitoring stations were deployed from April 10th to April 28th, 2022. The Song Meter Mini Bat was configured and paired on-site using the Song

Meter iPhone application. The observations made on these visits and recorded by the monitoring equipment were added to the species lists compiled from research.



Figure 3. The ESS 440 students and CNHP staff mounting acoustic monitoring devices at the Mountain Campus in April 2022.



Figure 4. Moose cow and calf observed while retrieving equipment from a Mountain Campus monitoring station.

A CNHP biologist manually listened to all dawn chorus acoustic recordings at both the ECRC and the Mountain Campus using the Windows Groove Music application. Audibly identifiable species were documented (Appendix 4). Sonograms of sound files were reviewed in Kaleidoscope Pro 5.4.7. All recorded ultrasonic sound files from both ECRC and the Mountain Campus were vetted for bat calls, auto-identified and manually confirmed using Sonobat 4.2.2.1 North America.

In early June of 2022, two CNHP botanists visited the ECRC to compile an opportunistic species list, catching early summer flora, and survey for rare plants. Botanists surveyed for species around acoustic monitoring stations and as possibe in pastures without cattle. Surveying took place over ~4 miles, and surveys continued until no new plants were found in the area. CNHP botanists used ESRI Field Maps for navigation and data collection. These botanists returned to a historic record of the rare plant *Astragalus plattensis* but could not confirm its presence due to lack of flowers.

Storymap Outreach Tool

Students from both the ESS 501 and ESS 440 classes produced an <u>ESRI storymap</u> to describe their project and results. The ESS 440 class in the spring built upon the work of ESS 501. CNHP staff finalized this project in the early summer of 2022, reorganizing the storymap into a final cohesive product.

RESULTS

From the Geospatial Review of CSU lands, 32 properties were identified spanning 14 counties and ranging in size from 1,196 hectares to 0.06 hectares (Figure 5). Properties serve a diversity of interests for the institution (Table 3). Using the ecosystem types based on the National Landcover Dataset in the Return-on-Investment report, the largest ecosystem type represented on the CSU lands is the grassland/herbaceous type, followed by agriculture, evergreen forest and shrub/scrub (Figure 6).

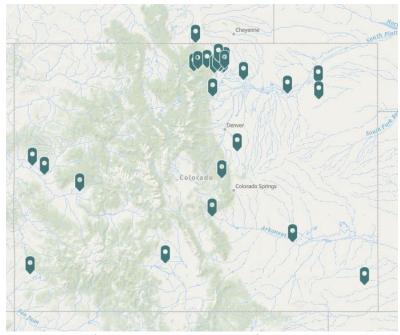


Figure 5. Map of CSU lands across the state of Colorado.

Table 3. Overview of CSU lands. Dominant ecosystem was taken from the Return-on-Investment reports.

| Property | Acres | Hectares | County | Dominant Ecosystem | University Uses |
|-----------------|-------|----------|------------|---------------------------|--|
| | | | | | Agricultural Research Development and Education Center supporting |
| | | | | | research, education, and outreach programs with 881 farmable/irrigated |
| ARDEC | 1083 | 438 | Larimer | Agriculture | acres for crop production. |
| | | | | | Arkansas Valley Research Center opened in 1888 to conduct irrigated |
| | | | | | agriculture research targeting solutions for regionally important problems |
| Arkansas Valley | 101 | 41 | Otero | Grassland | in southeast Colorado. |
| | | | | | This property was donated to CSU by the Borden family in 2009 and has |
| Borden | 71 | 29 | Larimer | Evergreen Forest | served as the site for numerous class and research projects. |
| | | | | | Also known as Lyons Prepared, this is used in conjunction with the |
| | | | | | Colorado State Forest Service and the Town of Lyons to prepare for future |
| Boulder | 3 | 1 | Boulder | Agriculture | floods, snowstorms, and forest fires. |
| Buckhorn | 161 | 65 | Larimer | Grassland/Herbaceous | This is a mountain property located five miles northeast of Pingree Park. |
| | | | | | This property is used in collaboration with the Colorado State Forest |
| | | | | | Service and Warner College of Natural Resources is there for forest |
| Canon City | 1 | 1 | Fremont | Developed Land | management and wildfire mitigation |
| | | | | | The Central Great Plains Research Station is managed in conjunction with |
| | | | | | the USDA Agricultural Research Service with research focusing on the |
| Central Great | | | _ | | efficient use of plant nutrients, pesticides, and water as well as soil |
| Plains | 318 | 129 | Washington | Agriculture | conservation/preservation. |
| | | | | | This property is just east of the main campus and contains the University |
| | | | | | Center for the Arts, Gregory Allicar Museum of Art, Avenir Museum of |
| East Campus | 18 | 7 | Larimer | Developed Land | Design and Merchandising, and the LEAP Institute for the Arts. |
| Eastern | | | | | The Eastern Colorado Research Station is a livestock production research |
| Colorado | | | | | center that works closely with CSU's Department of Animal Sciences. |
| Research | | | | | Their research focuses on grazing management for beef production along |
| Station | 2956 | 1196 | Washington | Grassland/Herbaceous | with livestock nutrition and breeding. |
| | | | | | The Edwards home was a gift from Dave and Paula Edwards with the hope |
| | | | | | that it would become a gathering place for family, friends, and the |
| Edward | 0 | 0 | Larimer | Developed Land | community, as well as a home for the future CSU president. |
| | | | | | The Environmental Learning Center facilitates youth environmental |
| Environmental | | | | Emergent Herbaceous | education experiences to foster an appreciation for the outdoors and |
| Learning Center | 179 | 73 | Larimer | Wetlands | create future environmental leaders. |

| Property | Acres | Hectares | County | Dominant Ecosystem | University Uses |
|----------------------|-------|----------|---------|----------------------|--|
| Foothills | 1386 | 561 | Larimer | Grassland/Herbaceous | The Foothills Campus is located a few miles west of CSU's main campus. It includes the City of Fort Collins Water Treatment Plant, 5.3 MW solar plant, the equine center, Colorado State Forest Service greenhouse and nursery and other labs. |
| Fort Morgan | 2 | 1 | Morgan | Developed Land | Morgan County Extension is part of the CSU Extension Office which provides assistance and programs on agriculture, horticulture, livestock, 4-H youth development, and Family/Consumer Sciences |
| Franktown | 0 | 0 | Douglas | Developed Land | CSU's Franktown property is used in collaboration with the Colorado State Forest Service and Warner College of Natural Resources to research wildfire risk, forest health, and post-fire forest health. |
| Fruita | 93 | 38 | Mesa | Agriculture | The Grand Valley Research Station located in Fruita focuses their research on integrated cropping systems, reduced tillage operations, cover crops, single season inter-cropping, as well as research on alternative crops and forages. |
| Gabbard- Rutledge | 313 | 127 | Larimer | Grassland/Herbaceous | The Gabbard-Rutledge Property, more commonly known as the Waverly Property, is managed by the CSU Forest and Rangeland Stewardship department and used for undergraduate and graduate rangeland courses and research focused on restoration of native rangeland plant communities. |
| Horsetooth | 118 | 48 | Larimer | Evergreen Forest | This property sits on top of Horsetooth Mountain and consisting of two sites leased for communications towers and a recreational easement to Larimer County |
| Hort Farm | 63 | 25 | Larimer | Agriculture | The Horticultural Field Research Center is the southern part of the ARDEC facilities. Their research projects include turf-grass, ornamental trees, shrubs, and specialty crops research and agrivoltaics research. |
| Main Campus | 404 | 163 | Larimer | Developed Land | Colorado State University's main campus comprises educational buildings, student housing, dining halls, the rec center, and the oval. |
| Maxwell Ranch | 389 | 157 | Larimer | Evergreen Forest | Maxwell Ranch is a working cattle ranch owned by CSU and is used to teach and research economically sustainable cattle ranching strategies. |
| Mountain Campus | 1178 | 477 | Larimer | Evergreen Forest | The Mountain Campus exists to serve the Colorado State University community and the surrounding region for academic field studies, educationally focused conferences, and mountain research. |

| Property | Acres | Hectares | County | Dominant Ecosystem | University Uses |
|-----------------------------------|-------|----------|------------|----------------------|--|
| Northern Colo | | | | | |
| Research | | | | | |
| Demonstration | | 4.0 | | | The use of this property is to research the economic viability, |
| Center | 40 | 16 | Weld | Agriculture | environmental sustainability, and social acceptability of agriculture. |
| | | | | | In conjunction with the College of Agricultural sciences, the Orchard Mesa |
| Orobard Masa | 90 | 22 | Masa | Agricultura | Research Station researches tree fruits, wine grape production, and |
| Orchard Mesa | 80 | 32 | Mesa | Agriculture | ornamental horticulture. |
| | | | | | The Organic Agriculture Research Station – Rogers Mesa – focuses their |
| | | | | | research on organic grapes, apples, peaches as well as vegetable and seed |
| Rogers Mesa | 84 | 34 | Delta | Agriculture | production to help serve local organic growers. |
| | | | | | The San Luis Valley Research Center is part of the Colorado Agricultural |
| | | | | | Experiment Station supporting people in the San Luis Valley through its |
| Can Luis Vallay | 316 | 128 | Die Crande | Agricultura | seed certification program and research on potato varieties, diseases, and |
| San Luis Valley | 310 | 128 | Rio Grande | Agriculture | pest control. |
| | | | | | CSU's South campus is used for CSU's Veterinary Teaching hospital, |
| | 470 | | | | Equine Orthopedic Center, Horticulture Center, Natural Resources |
| South Campus | 179 | 72 | Larimer | Developed Land | Research Center, and some off-campus housing. |
| Cauth and Cala | | | | | The Plainsman Research Center focuses on optimizing irrigation and water |
| Southeast Colo Research Center | 1 | 1 | Daga | Crassland/Harbassaus | conservation, soil preservation, and developing and enhancing crop |
| Research Center | 2 | 1 | Baca | Grassland/Herbaceous | varieties. This property is used for irrigation and harvest techniques, soil |
| Southwest Colo | | | | | development and preservation, and optimizing crop plant productivity for |
| Research Center | 158 | 64 | Montezuma | Agriculture | high-elevation regions. |
| Research center | 130 | 04 | Wiontezuma | Agriculture | The Timberline property is part of a land swap with the Timberline Church |
| Timberline | 5 | 2 | Larimer | Developed Land | to develop new affordable apartments. |
| Timberine | 3 | 2 | Lammer | Developed Land | The Washington School used to be part of the Poudre School District and |
| | | | | | was originally built in 1919 to fulfill the growing Fort Collins population at |
| | | | | | that time. It is now CSU's Early Childhood Center which each year serves |
| Washington | | | | | approximately 150 children while simultaneously training more than 130 |
| School | 2 | 1 | Larimer | Developed Land | students from various departments across campus. |
| West Campus | 43 | 17 | Larimer | Developed Land | The West Campus property is used for off campus housing. |
| 11 200 00 | | | | | The Woodland Park Field Office of the Colorado State Forest Service is a |
| | | | | | service and outreach agency for CSU used for forest health, wildfire risk |
| Woodland Park | 1 | 0 | Teller | Developed Land | and post fire rehabilitation research. |
| vvoodianu raik | 1 - | J 0 | reliei | Developed Lattu | מווע איסיג ווויב ובוומטווונמנוטוו וביטבמונוו. |

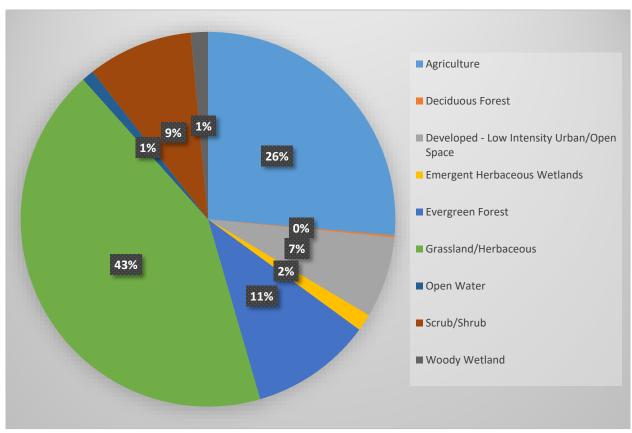


Figure 6. Percentage of Ecosystem Types of the CSU lands based on National Landcover Dataset from the Returnon-Investment reports for each property.

Properties held by CSU had 303 documented occurrences of regulatory species and other species of concern within 1 mile returned in the environmental review of CODEX; additionally, potential habitat was returned for another 2210 regulatory and other species of concern from a combination of range maps, general precision CNHP element occurrence records, and models (Table 4). Regulatory species (those species with federal protection under the Endangered Species Act, the Bald and Golden Eagle Protection Act, or USFWS critical habitat) and other species of concern (including rare species, natural communities, and species of economic, recreational or conservation value) which were documented within 1 mile of the property are detailed in Table 5 and Appendix 4 - Table 1. The 2210 species returned in the environmental review with a potential occurrence are available in the environmental review reports for each property, located in an Online Appendix here: Biodiversity of CSU Lands Report Online Appendix

The environmental review is only a preliminary screening tool; it does not confirm that a species is present on the property. This review cannot substitute for the potential knowledge gained by having a biologist conduct a field survey of the area. For properties where fish species were returned as documented occurrences within 1 mile of the property, the CNHP biologist reviewed aerial photography and the <u>USGS National Hydrography</u> <u>Dataset</u> to see if the property had water. If not, fish species were grayed out in Table 5 and Appendix 4 - Table 1 but were not removed from the tally in Table 4. No other judgements were made of the presence of species on the property. Knowledge of regulatory species and other species of concern within a 1-mile buffer of the property is valuable information to guide surveys, potential restoration, or partnerships with nearby landowners.

Table 4. CSU lands with documented and potential numbers of regulatory species and other species of concern from an environmental review in CODEX. See Appendix 3 for an explanation of the codes used in the Status column.

| an explanation of the codes used in the status cold | | | | |
|---|--|--------------------------------------|--|---|
| | Total # documented occurrences of regulatory | Total # potential regulatory species | Total # documented occurrences of species of | Total # potential species of concern within project |
| Property | species within 1 mile | within project area | concern within 1 mile | area |
| ARDEC | 0 | 3 | 9 | 64 |
| Arkansas Valley | 0 | 1 | 9 | 72 |
| Borden | 0 | 1 | 13 | 60 |
| Boulder | 2 | 2 | 13 | 65 |
| Buckhorn | 0 | 3 | 8 | 45 |
| Canon City | 1 | 1 | 7 | 70 |
| Central Great Plains | 0 | 1 | 1 | 37 |
| East | 0 | 3 | 12 | 89 |
| Eastern Colorado Research Station | 0 | 1 | 7 | 47 |
| Edward | 0 | 3 | 10 | 89 |
| Environmental Learning Center | 2 | 3 | 18 | 89 |
| Foothills | 2 | 3 | 29 | 88 |
| Fort Morgan | 0 | 1 | 3 | 53 |
| Franktown | 0 | 2 | 5 | 49 |
| Fruita | 3 | 2 | 8 | 84 |
| Gabbard-Rutledge | 0 | 2 | 5 | 84 |
| Horsetooth | 2 | 2 | 16 | 86 |
| Hort Farm | 0 | 3 | 11 | 66 |
| Main | 0 | 3 | 12 | 89 |
| Maxwell Ranch | 0 | 2 | 3 | 42 |
| Mountain Campus | 2 | 2 | 8 | 38 |
| Northern Colo Research Demonstration Center | 0 | 2 | 2 | 63 |
| Orchard Mesa | 6 | 1 | 9 | 66 |
| Rogers Mesa | 1 | 1 | 7 | 68 |
| San Luis Valley | 0 | 2 | 1 | 51 |
| South | 0 | 4 | 10 | 94 |
| Southeast Colo Research Center | 0 | 2 | 4 | 45 |
| Southwest Colo Research Center | 0 | 3 | 4 | 52 |

| Property | Total # documented occurrences of regulatory species within 1 mile | regulatory species | Total # documented occurrences of species of concern within 1 mile | Total # potential species of concern within project area |
|-------------------|--|--------------------|--|--|
| Timberline | 1 | 3 | 10 | 59 |
| Washington School | 0 | 3 | 11 | 88 |
| West | 0 | 4 | 10 | 89 |
| Woodland Park | 0 | 2 | 6 | 58 |
| TOTAL | 22 | 71 | 281 | 2139 |

Table 5. Properties with regulatory species returned as documented within 1 mile of the property in an environmental review in CODEX where regulatory species include species with federal protection under ESA, BGEPA, or USFWS critical habitat. See Appendix 3 for an explanation of the codes used in the Status column. Species greyed out are believed not to have habitat on the property based on aerial photography (ESRI, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community).

| Property | Total # species within 1 mile | Scientific Name | Common Name | Last Observation | Source | Status |
|----------------|-------------------------------|--------------------------|------------------|------------------|------------------------|--|
| | | Coccyzus americanus | Western Yellow- | | | G5T2T3 S1B, LT, SC, SWAP |
| | | occidentalis | billed Cuckoo | 2006 | CNHP EO | Tier 1, USFS, BLM |
| | | Hailaeetus leucocephalus | Bald Eagle | N/A | CPW Roost Site | G5 S3B,S3N, SC, SWAP Tier 2, USFS, BLM, BGEPA |
| Orchard Mesa | 6 | Gilia elegans | Bonytail Chub | N/A | CPW HUC12 Presence | G1 SX,LE, SE, SWAP Tier 1 |
| Orchard iviesa | 6 | | Colorado | | CNHP EO/CPW HUC12 | G1 S1, LE, XN, ST, SWAP |
| | | Ptychocheilus lucius | Pikeminnow | 1979 | Presence | Tier 1 |
| | | | | | CNHP EO/CPW HUC12 | |
| | | Xyrauchen texanus | Razorback Sucker | 7/15/1981 | Presence | G1 S1, LE, SE, SWAP Tier 1 |
| | | | Colorado | | | G2G3 S2S3 LT, SWAPT Tier |
| | | Sclerocactus glaucus | Hookless Cactus | 5/14/2014 | CNHP EO - off property | 1 |
| | | Cilia alagana | Donatail Chub | NI/A | CDW/1111C12 Drosones | C1 CV IF CF CWARTion 1 |
| | | Gilia elegans | Bonytail Chub | N/A | CPW HUC12 Presence | G1 SX ,LE, SE, SWAP Tier 1 |
| Fruita | 3 | Dturk a sk ailus kusius | Colorado | N. / A | CDW/1111C42 Durana | G1 S1, LE, XN, ST, SWAP |
| | | Ptychocheilus lucius | Pikeminnow | N/A | CPW HUC12 Presence | Tier 1 |
| | | | | 1 | CNHP EO/CPW HUC12 | |
| | | Xyrauchen texanus | Razorback Sucker | 7/15/1981 | Presence | G1 S1, LE, SE, SWAP Tier 1 |

| | Total # species | | | | | |
|---------------------------|-----------------|--|-------------------------------|-------------------------|---|--|
| Property | within 1 mile | Scientific Name | Common Name | Last Observation | Source | Status |
| Foothills | 2 | Oncorhynchus clarkii | Cutthroat Trout Ute Ladies' | N/A | CPW HUC12 Presence | G5 S4 PS |
| | | Spiranthes diluvialis | Tresses | 8/11/2006 | CNHP EO - off property | G2G3 S2, LT, SWAP Tier 1 |
| Environmental Learning | 2 | Hailaeetus leucocephalus | Bald Eagle | 7/5/2020 | CPW Winter Concentration Area, CPW Nests-Active | G5 S3B,S3N, SC, SWAP Tier 2, USFS, BLM, BGEPA |
| Center | | Zapus hudsonius preblei | Meadow Jumping Mouse Subsp | 1954 | CNHP EO | G5T2 S1, LT, ST, SWAP Tier 1 |
| Horsetooth | 2 | Aquila chrysaetos | Golden Eagle | 7/15/2019 | CPW Nests- Active | G5 S3S4B,S4N, SWAP Tier 1, BGEPA |
| | | Oncorhynchus clarkii | Cutthroat Trout | N/A | CPW HUC12 Presence | G5 S4 PS |
| Boulder | 2 | Hailaeetus leucocephalus | Bald Eagle Meadow Jumping | 2008 | CPW Winter Concentration Area, CPW Roost Sites, CNHP EO | G5 S3B,S3N, SC, SWAP Tier 2, USFS, BLM, BGEPA G5T2 S1, LT, ST, SWAP Tier |
| Mountain Campus | 2 | Zapus hudsonius preblei Oncorhynchus clarkii stomias | Mouse Subsp Cutthroat Trout | 9/17/1999 9/2/1993 | CNHP EO - off property CNHP EO | G5T1Q S2, LT, ST, SWAP Tier 1 |
| Campus | | Oncorhynchus clarkii | Cutthroat Trout | N/A | CPW HUC12 Presence | G5 S4 PS |
| Canon City | 1 | Hailaeetus leucocephalus | Bald Eagle | N/A | CPW Winter Concentration Area | G5 S3B,S3N, SC, SWAP Tier 2, USFS, BLM, BGEPA |
| Rogers Mesa | 1 | Hailaeetus leucocephalus | Bald Eagle | N/A | CPW Winter Concentration Area, CPW Roost Sites | G5 S3B,S3N, SC, SWAP Tier 2, USFS, BLM, BGEPA |
| Timberline | 1 | Zapus hudsonius preblei | Meadow Jumping Mouse Subsp | 1954 | CNHP EO - off property | G5T2 S1, LT, ST, SWAP Tier 1 |

Orchard Mesa in Mesa County had the highest number of regulatory species documented within 1 mile of the property, but three of these were endangered fish species, and the property has no water. Other properties, including Fruita, Foothills, and Horsetooth also had fish species returned and these properties do have water present. The Environmental Learning Center has the federally threatened Preble's Meadow Jumping Mouse within 1 mile of the property, and it has the wetland habitat to potentially support this species. Bald eagles and golden eagles were returned for several properties. For other species of concern with documented occurrences within 1 mile of the property, several species with secure conservation status but of economic or recreation value were commonly returned for properties: these included Canada goose, mule deer, white-tailed deer, mountain lion, elk and black bear.

In addition to the number of regulatory and other species of concern on the properties, the diversity of ecosystems and wetlands on the property were assessed using CODEX. Using nine categories of ecosystem types, six properties had five or more types present. These were (in order of most to least): Foothills, Environmental Learning Center, ARDEC, Mountain Campus, and the Eastern Colorado Research Station and Rogers Mesa were tied (Figure 7, Appendix 4 - Table 2). Several properties had no developed land, as determined by the National Land Cover Dataset used for the Return-on-Investment analysis. These included the Mountain Campus, Maxwell Ranch, Buckhorn, Horsetooth, and Boulder. In total, CSU lands had over 691 hectares (1,709 acres) of wetlands returned in CODEX as determined by the National Wetland Inventory data (Appendix 4 - Table 3). Six properties included over 50 acres of wetlands (20.23 hectares); these were Environmental Learning Center, Mountain Campus, Foothills, San Luis Valley, Eastern Colorado Research Station and ARDEC. These six properties were also among the properties with the highest diversity of wetland types, along with South Campus, Gabbard-Rutledge and the Central Great Plains Research Station. In terms of the approximate annual economic benefits from ecosystem services from the Return-on-Investment report, the Mountain Campus had the highest return on investment, followed by Foothills, the Eastern Colorado Research Station, Main Campus and ARDEC (Appendix 4 – Table 3). Across CSU lands, the calculated conservation value of the properties combined ranged from \$1,659,941 to \$4,897,609. Full Return-on-Investment reports for each property are available in an Online Appendix located here: Biodiversity of CSU Lands Report Online Appendix.

Fourteen of the CSU-owned properties had either adjacent protected properties or were encompassed within, contained, or adjacent to a CNHP Potential Conservation Area (Table 6). These classes are examples of protected areas and regions of conservation importance and defined in the STARS criteria. Within a 1-mile buffer of CSU-owned lands, there were a total of 22 CNHP PCAs and 89 other special areas (Table 6). For the CSU-owned properties, other special areas were primarily SB181 High Priority Habitats. For information on all other special areas within 1 mile of the project area, see the environmental review reports for each property, located in an Online Appendix here: Biodiversity of CSU Lands Report Online Appendix. For the percentage of management descriptions within a 4-mile buffer around each property see Appendix 4- Table 4. By these metrics, the Mountain Campus, Foothills and Horsetooth properties stood out as high biodiversity importance.

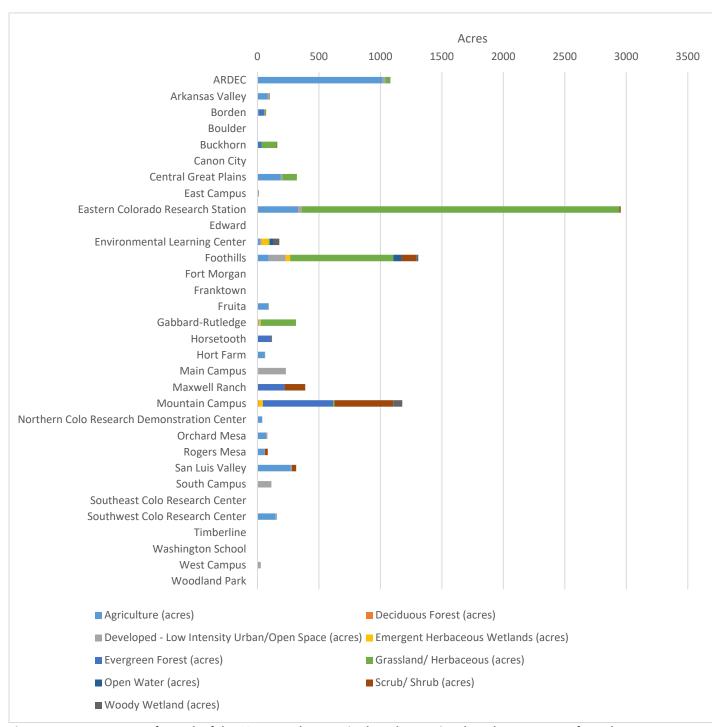


Figure 7. Ecosystem types for each of the CSU-owned properties based on National Landcover Dataset from the Return-on-Investment reports.

Table 6. Properties with either an adjacent protected properties or is encompassed within, contained, or is adjacent to a CNHP Potential Conservation Area. See Appendix 3 for an explanation of the codes used in the table.

| Table. | Adjacent or encompassing protected areas/ regions of conservation | # of CNHP PCAs within | # of other special areas data types within 1 mile of |
|----------------------|---|--------------------------|--|
| Property | importance | 1 mile | project area |
| ARDEC | Private land with protection | 0 | 3 |
| Arkoncos Vallov | Central Arkansas Playas CNHP PCA | 1 | 1 |
| Arkansas Valley | (B3) | 2 | 2 |
| Borden | None County Open Space County | 1 | 5 |
| Boulder | County Open Space - General | 2 | 8 |
| Boulder | Management | <u>Z</u> | δ |
| D. Illiano | US National Forest (Roosevelt NF) - | | |
| Buckhorn | General Management | 2 | 6 |
| Canon City | None | 1 | 5 |
| Central Great Plains | None | 0 | 0 |
| East Campus | City of Fort Collins - City Park | 0 | 2 |
| | Colorado State Land Board - General | | |
| | Management, Eastern Colorado | | |
| Eastern Colorado | Agricultural Research Center Site | _ | |
| Research Station | CNHP PCA (B5) | 1 | 1 |
| Edward | None | 0 | 1 |
| | City of Fort Collins Natural Area | | |
| | (Running Deer/Cache la Poudre-Big | | |
| Environmental | Thompson/Cottonwood Hollow | | |
| Learning Center | Natural Area) | 0 | 3 |
| | Private Natural Area (HOA), City of | | |
| | Fort Collins Natural Area (Maxwell), | | |
| | City of Fort Collins - General | | |
| Foothills | Management, Horsetooth Reservoir Hogbacks CNHP PCA (B2) | 3 | 5 |
| | None | 1 | 0 |
| Fort Morgan | | | |
| Franktown | None | 0 | 2 |
| Fruita | None | 0 | 1 |
| Gabbard-Rutledge | None Court But (Heaveler) | 0 | 3 |
| | Larimer County Park (Horsetooth | | |
| Haraataath | Mountain Park), Horsetooth Reservoir | | 6 |
| Horsetooth | Hogbacks CNHP PCA (B2) | 2 | 6 |
| Hort Farm | None | 0 | 1 |
| Main | None | 0 | 2 |
| | US National Forest (Roosevelt NF) - | | |
| | General Management, CSU Research | | |
| Maxwell Ranch | Foundation Special Management Area | 0 | 3 |

| Property | Adjacent or encompassing protected areas/ regions of conservation importance | # of CNHP PCAs within 1 mile | # of other special areas data types within 1 mile of project area |
|------------------------|--|------------------------------------|---|
| | NPS (Rocky Mountain National Park), | | |
| | US National Forest (Roosevelt NF) - | | |
| | Comanche Peak Wilderness, US | | |
| | National Forest (Roosevelt NF) - | | |
| | General Management, Cache la | | |
| | Poudre National Wild and Scenic River | | |
| | designation, South Fork Cache la | | _ |
| Mountain Campus | Poudre CNHP PCA (B3) | 1 | 5 |
| Northern Colo | | | |
| Research Demonstration | | | |
| Center | None | 0 | 1 |
| Orchard Mesa | None | 2 | 8 |
| Rogers Mesa | Private land with protection | 0 | 5 |
| San Luis Valley | None | 0 | 0 |
| South | None | 0 | 2 |
| | None | 0 | 2 |
| Southeast Colo | Compare to Cassaland CNUID DCA (D2) | 1 | 1 |
| Research Center | Comanche Grassland CNHP PCA (B3) | 1 | 1 |
| Southwest Colo | News | | _ |
| Research Center | None | 0 | 5 |
| Timberline | City of Fort Collins - General | 0 | |
| | Management | | 1 |
| Washington School | None | 0 | 1 |
| West | None | 0 | 2 |
| Woodland Park | None | 3 | 0 |

Based on the metric of Landscape Disturbance Index (LDI), seven of the 32 CSU-owned properties fall in the category of low disturbance, and the rest fall in the category of high. Low disturbance properties include Horsetooth, Mountain Campus, Maxwell, Buckhorn, Borden, the Eastern Colorado Research Station and Gabbard-Rutledge (Table 7).

Table 7. CSU-owned properties sorted by Mean Landscape Disturbance Index scores from lowest to highest disturbance index values. Green highlights indicate a low disturbance (0-250) and red a high disturbance level (>=500). No properties fell within the medium category (250-<500).

| Property Name | Mean | Standard deviation |
|-------------------------|------|--------------------|
| Horsetooth | 37 | 68 |
| Mountain Campus | 71 | 103 |
| Maxwell Ranch | 79 | 115 |
| Buckhorn | 111 | 125 |
| Borden | 170 | 119 |
| E Colo Res Stat | 171 | 188 |
| Gabbard-Rutledge | 218 | 127 |
| San Luis Valley | 518 | 169 |
| Rogers Mesa | 616 | 162 |
| Southwest Colo Res Cntr | 644 | 199 |
| Foothills | 793 | 205 |
| Canon City | 793 | 4 |
| Fruita | 793 | 111 |
| Franktown | 799 | |
| ARDEC | 807 | 334 |
| South | 830 | 76 |
| Boulder | 833 | 85 |
| Fort Morgan | 845 | 37 |
| Main | 865 | 158 |
| West | 871 | 105 |
| Orchard Mesa | 880 | 131 |
| Central Great Plains | 893 | 182 |
| Edward | 967 | |
| Woodland Park | 968 | 7 |
| Timberline | 992 | 81 |
| Arkansas Valley | 1014 | 116 |
| Southeast Colo Res Cntr | 1041 | 7 |
| Environmental Learning | | |
| Center | 1052 | 136 |
| Hort Farm | 1064 | 180 |
| Washington School | 1080 | 7 |
| East | 1225 | 61 |
| N Colo Res Demo Cntr | 1277 | 107 |

Over a third of the CSU-owned properties (13 properties) had 90% or more of their lands in the above average or average categories for climate resiliency (Appendix 4 - Table 5). Many of the same properties with a diversity of ecosystem types, wetlands, and many regulatory and other species of concern documented within 1-mile were again noted in this category. These included the Mountain Campus,

Eastern Colorado Research Center, Foothills, Horsetooth, the Environmental Learning Center and others. All of the properties which fell in the below average climate resiliency categories had high percentages of developed land. The full reports from the TNC Resilient and Connected Landscape tool for each CSU-owned property are available in an Online Appendix here: <u>Biodiversity of CSU Lands Report Online Appendix</u>.

Further Research on Largest and Well-Studied Properties

At the Eastern Colorado Research Center, student research and the results of CNHP field work found a total of 187 species as visual observations and/or within a modeled area (Appendix 5). This can be subdivided into 99 Animalia species and 88 Plantae species. Of these, two species of plants and 20 species of animals are considered to be species of concern. Notable documented species included the greater prairie chicken (G4T4S3, SWAP Tier 2) and the black-tailed prairie dog (G4S3, SWAP Tier 2), which is a keystone species creating habitat for a cascade of species. The silver-haired bat and an unidentified rodent(s) were detected using ultrasonic recording devices on the campus in October 2021 (Figures 8 & 9). The mean C value of plants species, based on the list as of March 2022, was 3.53 at the ECRC, indicating that on average the plant species which are present at the site could be found equally in areas more or less in a natural state. The percentage of plants which were native species was 84%.

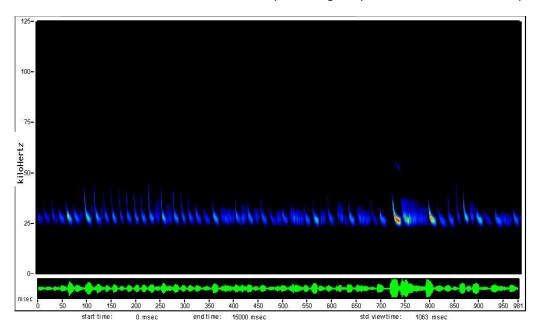


Figure 8. Sonogram of an ultrasonic call sequence of a silver-haired bat (*Lasionycteris noctivagans*) recorded at the ECRC.

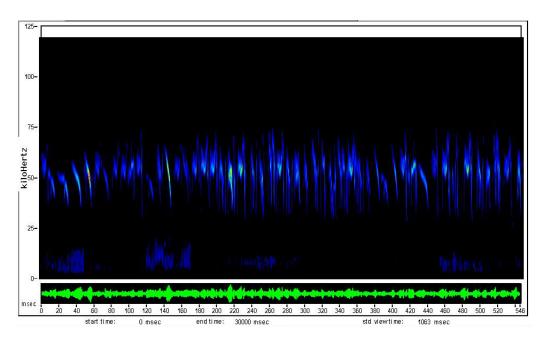


Figure 9. Sonogram of the ultrasonic vocalizations of an unidentified rodent recorded at ECRC. Smaller rodents (e.g., mice) emit vocalizations in ultrasonic frequencies (30-110 kHz) used for social communication.

The silver-haired bat is a widespread species occuring across most of the United States, including Alaska and parts of Canada. The silver-haired bat is found statewide in Colorado, though it is considered more common in the forested mountains. This bat is a long-distance migrant throughout portions of its range and the activity documented via ultrasonic recordings at the ECRC is possibly associated with migration activity. The majority of recorded and confirmed ultrasonic calls occurred over three nights - October 21-23 – when temperatures were realtively consistent with other nights within the monitoring period. Though silver-haired bats will roost in mines, caves, and human-made structures, they more commonly roost in trees. The monitor that recorded the greatest call activity on the ECRC was located adjacent to the isolated grove of large cottonwoods (Figure 2A). These trees are likely providing important roosting and feeding habitat for silver-haired bats, including during migration stopovers. The monitor located at the cattle trough on the northeast portion of the property also received call activity, though far less than the grove of cottonwoods. Rangeland water developments like, "Watering tanks, troughs and ponds maintained for livestock often double as critical resources for a broad array of wildlife" (Taylor and Tuttle 2012, p. 3) can serve as important sources of food and water for bat species like the silver-haired bat. Notably, the silver-haired bat was also recorded at the Mountain Campus . Recorded calls at the Mountain Campus occurred on the limited number of nights during the monitoring period when nighttime temperatures were above freezing. It is suspected that the bats observed at the Mountain Campus were likely hibernating in or around the general vicinity and aroused to feed on warmer nights. The silver-haired bat is a great example of how properties like the ECRC and the Mountain Campus, separated by hundreds of miles and thousands of feet of elevation, can support the same species of conservation concern at different stages in its annual life cycle.

At the Mountain Campus, student research and field work recorded a total of 1,044 species as visual observations and/or within a modeled area (Appendix 6). This can be subdivided into 754 Animalia species, 273 Plantae species and 17 Fungi species. The Animalia numbers included a large list of

arthropod species (575) known from the Mountain Campus. Of these, one species of plant and 21 species of animals are species of concern. Notable visual observations included numerous birds: olive-sided flycatcher (G4S3S4B, SWAP Tier 2), American white pelican (G4S1B, SWAP Tier 2), brown-capped rosy finch (G4S3B, SWAP Tier 1), peregrine falcon (G4T4, S2B, SWAP Tier 2), prairie falcon (G5S4B, S4, SWAP Tier 2), Brewer's sparrow (G5S4B, SWAP Tier 2), black swift (G4S3B, SWAP Tier 2), bald eagle (G5S3B, S3N, SWAP Tier 2), golden eagle (G5S3S4B, SWAP Tier 1) and northern goshawk (G5S3B, SWAP Tier 2). The western chorus frog was added to the species list following the deployment of acoustic detection devices in the spring of 2022 by CNHP staff and students (Figure 10). The mean C value of plants species was 6.26 at the Mountain Campus, again indicating that on average the plant species which are present at the site could be found equally in areas more or less in a natural state. The percentage of native plant species on the property was very high, 92.74%.

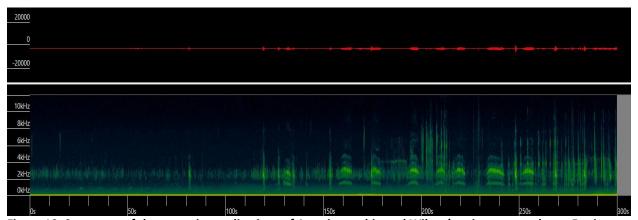


Figure 10. Sonogram of the acoustic vocalizations of American robin and Wilson's snipe captured on a 5-minute recording at a pond complex at the Mountain Campus where green-winged teal, moose, mallard, and western chorus frogs were observed among other species.

The ESRI Storymap produced to showcase the results of this project can be found here: https://storymaps.arcgis.com/stories/0c7bc08d08594b3683664bc3103290ad.

DISCUSSION

Through the many metrics of biodiversity assessed, several properties stood out (Table 8). These included the Eastern Colorado Research Center, the Mountain Campus, and the Foothills and Horsetooth properties near Horsetooth Reservoir in Larimer County. These were the largest (ECRC), highest ranked in number of regulatory and other species of concern within a 1-mile buffer (Foothills), number of adjacent protected lands and/or region of conservation importance (Mountain Campus), diversity of ecosystems (Foothills), economic benefit of ecosystem services (Mountain Campus), lowest Landscape Disturbance Index (Horsetooth) and highest climate resiliency (Horsetooth). The Environmental Learning Center, although small, had the highest number of NWI Wetland classes and wetland acreage, was in the highest class for climate resiliency, and highly ranked for the number of regulatory and other species of concern with a 1-mile buffer. The ARDEC and Maxwell properties were mid-tier for many biodiversity metrics. A few properties stood out for potential habitat for unique species not otherwise found on CSU lands; these were Fruita, for the potential to support endangered Colorado River fish species, and the San Luis Valley property, for the potential to support sandhill cranes.

Table 8. Top CSU-owned properties for biodiversity and their ranking in each biodiversity metric. Ranks are duplicated for properties with the same values in a metric.

| duplicated for pro | berties wit | | | | | | |
|--------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | Eastern | Environmental | | | | |
| | | Colorado | Environmental | | | Mayouall | Manustain |
| | ADDEC | Research | Learning | Footbille | Howartaath | Maxwell | Mountain |
| | ARDEC | Center | Center | Foothills | Horsetooth | Ranch | Campus |
| Size | 4 th | 1 st | 10 th | 2 nd | 14 th | 6 th | 3 rd |
| # regulatory | | | | | | | |
| and other | | | | | | | |
| species of | | | | | | | |
| concern | | | | | | | |
| within 1-mile | | | | | | | |
| buffer | 9 th | 11 th | 2 nd | 1 st | 3 rd | 15 th | 10 th |
| # Adjacent | | | | | | | |
| protected | | | | | | | |
| lands/region | | | | | | | |
| of | | | | | | | |
| conservation | | | | | | | |
| importance | 5 th | 4 th | 3 rd | 2 nd | 4 th | 4 th | 1 st |
| Diversity of | | | | | | | |
| Ecosystems | 3 rd | 5 th | 2 nd | 1 st | 7 th | 6 th | 4 th |
| NWI Wetland | | | | | | | |
| Acreage | 6 th | 5 th | 1 st | 3 rd | 14 th | 15 th | 2 nd |
| Diversity of | | | | | | | |
| NWI Types | 4 th | 6 th | 1 st | 2 nd | 7 th | 6 th | 4 th |
| Economic | | | | | | | |
| Benefit | 5 th | 3 rd | 8 th | 2 nd | 10 th | 6 th | 1 st |
| LDI: Least | | | | | | | |
| Disturbance | 15 th | 6 th | 28 th | 11 th | 1 st | 3 rd | 2 nd |
| Climate | | | | | | | |
| Resiliency | 7 th | 1 st | 1 st | 3 rd | 1 st | 4 th | 2 nd |

Along with an assessment of biodiversity on the CSU lands, the University should also have in place plans or programs to protect or positively affect the species, habitats and/or ecosystems identified in the assessment to meet the STARS criteria. Plans and programs adopted by other entities may also count for this credit, as long as these apply to and are followed by the institution. CSU hosts the Colorado Natural Heritage Program as a sponsored program within the Warner College of Natural Resources. CNHP is the program which curates and maintains Colorado's only comprehensive source of information on the status and location of Colorado's rarest and most threatened species and natural plant communities. As such, CNHP directly works within CSU and with a wide range of stakeholders in partnerships to positively affect Colorado's biodiversity through surveys, monitoring, assessments, education, and outreach. Along with CODEX and COMaP, CNHP has developed the Colorado Wetlands Information Center which is an online suite of resources to protect and educate stakeholders about the importance, location, condition, and care of the state's wetland resources. CNHP also maintains the online Rare Plant Guide to educate and facilitate the identification and care of our state's most rare botanical resources. Along with The Nature Conservancy, CNHP created a statewide survey of the status of Colorado's biodiversity using a scorecard approach to evaluate 18 ecosystems, 113 at-risk vertebrate animal species, and 103 rare

plants through a lens of status, threats, and protection (Rondeau et al. 2011). CNHP regularly updates and tracks the biodiversity status of conservation elements in the state. In addition to the work of CNHP, several conservation plans exist in the state to protect and support rare species which may be found on CSU lands. The federal Endangered Species Act and the Bald and Golden Eagle Protection Act protect federally listed species. The Colorado State Wildlife Action Plan (SWAP) is a statewide conservation plan for all stakeholders in the state, prepared by Colorado Parks & Wildlife. This plan outlines and prioritizes Colorado's conservation needs, including detailed conservation priorities, threats, and conservation actions for over 276 animal and plant species of greatest conservation need listed in the SWAP, many of which have potential habitat on CSU lands.

The biodiversity assessment suggests several actions which could be taken to protect, enhance, or restore the biodiversity found on CSU lands. Aerial photography indicates the historical presence of black-tailed prairie dogs (*Cynomys Iudovicianus*) on the ECRC (Figure 11). This is a globally apparently secure (G4) but state vulnerable species (S3) listed in the SWAP as a Tier 2 species and a state species of concern (SC). No signs of an active colony were observed by CNHP biologists during the October 2021 field visit. Prairie dogs are considered keystone species of prairie steppe ecosystems and the presence of their colonies or "towns" provides critical ecological resources for functioning rangelands, e.g., prairie dogs are food sources for predators, their burrows provide homes for other animals, such as burrowing owls, and their burrowing and grazing activity improves local plant diversity and maintains grasslands (Ceballos et al. 2010). Prairie dogs have a high degree of dietary overlap with cattle and recent long-term studies have shown that prairie dog colonies when present in cattle pastures, especially when colonies occupy a large proportion of pastures, can reduce cattle weight gain by 4-8% (Augustine and Derner 2021). But the authors of this same study found

Under conditions of average rainfall during the growing season in shortgrass steppe, prairie dog grazing reduces the amount but enhances the quality of the forage. After measuring the biomass of forage left behind on prairie dog colonies, we found that both protein content and in vitro dry matter digestibility were enhanced (USDA ARS 2021).

As keystone species, black-tailed prairie dogs have an outsized role defining and maintaining the grassland ecosystems of eastern Colorado. CNHP recommends where possible, CSU manage for the coexistence of cattle and prairie dogs on portions of the ECRC.

Additionally, retaining wetlands and riparian corridors on all properties is a critical action to protect biodiversity on CSU properties. In the Intermountain West, more than 80% of wildlife species depend on wetland and riparian areas during some portion of their life. Maintaining, restoring, and enhancing where needed the wetland and riparian areas and corridors present on a given property is critical for maximizing benefits to the majority of wildlife species occupying or passing through an area. Regulatory and other species of concern (Table 5, Table 1 - Appendix 4) like the western yellow-billed cuckoo, bald eagle, bonytail chub, razorback sucker, and Preble's meadow jumping mouse documented on or within 1 mile of an assessed CSU property are dependent upon healthy, intact wetland and/or riparian systems.

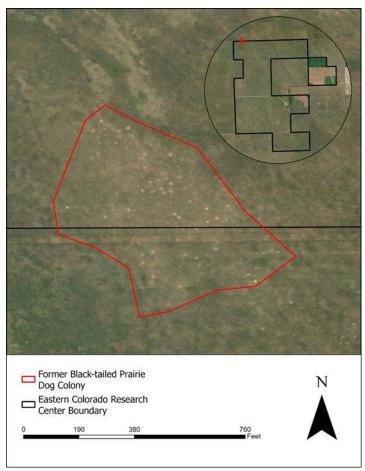


Figure 11. A digitized polygon demarcating the historical black-tailed prairie dog town on the northwest boundary of the ECRC.

Additional on-the-ground inventories during the appropriate season of activity for species could yield more information on the University's biodiversity holdings. Perhaps a bioblitz involving students, CNHP and other CSU staff, and outside experts at the Foothills property could be held. This is the second largest property of CSU, close to campus, with many rare species documented within 1 mile of the property. Mapping features such as rare plants, nests, and wetlands would allow for the monitoring of conservation and protection of features over time, potentially with assistance from students. A management plan, which maps features of conservation value and details best management practices, would further support conservation of biodiversity. Building partnerships with adjacent landowners, such as the National Park Service or U.S. Forest Service, and coordinating conservation actions across properties could be another avenue to enhance biodiversity.

The biodiversity assessment also identified properties with lower scores on biodiversity metrics. Many of these properties were smaller with lower ecosystem diversity or had fewer documented or potential occurrences of species of concern within 1 mile or higher landscape disturbance scores based on their proximity to the Front Range and other urban areas. Despite this, there are still potentially important conservation targets on these properties and possible conservation gains through enhancement and restoration. The environmental review information on potential species habitat and nearby documented occurrences of rare species can be used to inform the potential of the property and guide restoration. Biodiversity elements present on the property are of high value due to loss from development in the

surrounding area and should be conserved. Biodiverse urban areas provide recreational and therapeutic opportunities for residents and students to connect with nature (Gilligan et al. 2020). The Colorado Natural Heritage Program maintains guidance on restoration of wetland ecosystem, which is also broadly applicable to terrestrial ecosystems, on the Colorado Wetlands Information Center Restoration and Enhancement page. Simple suggestions such as using a native seed mix for revegetation, retaining hedgerows on agricultural lands, planting pollinator friendly species, and protecting beaver populations may result in big conservation gains.

Along with providing information on the biodiversity on the CSU lands, this project provided educational value to students in the Ecosystem Science and Sustainability (ESS) 501 graduate course and 440 undergraduate capstone course. These students were able to work on a real-world project with CNHP mentors, gaining skills in geospatial data analysis, field data collection techniques, and research and broadening their understanding of ecology and biodiversity, while taking pride in their university. In addition to this report, the resulting storymap will serve as a resource to showcase CSU's contribution to biodiversity in the state of Colorado.

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APPENDIX 1. Personal communication sources.

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|---------------|--|-----------------------------|
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APPENDIX 2. Procedures for running and compiling data from biodiversity data sources.

1. ESS 440 – CODEX reports for CSU Lands Biodiversity Project

Guide to how to use CODEX: https://codex.cnhp.colostate.edu/colorados-conservation-data-explorer-codex-user-guide

- Create reports for each CSU property including ROI reports
 - First add a zipped shapefile of the property into CODEX using the "add resources" button at the top left
 - CSU_Properties.shp.zip is the shapefile of all 32 CSU properties
 - o To create a report, click "create project" in the top left
 - In the "additional mapping options" dropdown arrow, select "map layers" > choose uploaded layer > select from resource > click property on the map view > accept > next > accept
 - o Enter a title using the property name
 - Select Conservation/restoration for project type
 - o 1 mile buffer
 - o For project description include property name and CSU Lands Biodiversity Project
 - Check the Return on Investment box at the bottom before submitting
 - It will take about 5 minutes for the report to process. Once you get the email notification, you can view the reports under the "My Projects" tab
 - Download the project report PDF, the CSV file, and ROI report PDF. The project and ROI reports will be used to fill out the Excel table.
 - Pull information from the tables in the reports into the Excel table
 - For the 4 species tables, there will be some duplicates between the documented occurrences and the potential occurrences. When you come across this, only record the species as documented.
 - In these 4 tables there also will be species listed multiple times with different data types. Only record a species once.
 - For # of other special areas (table 6), use the name of the area for the total #.
 - Managed areas is a yes or no field. If anything is listed in table 7 then it would be ves.
 - For wetlands, total up the acreage of all types and then list the # of different NWI codes.
 - State Listed Noxious Weed data can be found using the map in CODEX.
 - Make the property shapefile more transparent
 - Turn on the State Listed Noxious Weeds layer
 - o Make sure all the three sublayers are turned on
 - Use the identify button to ID any of the mapped weeds inside the property boundary
 - Record how many different species there are in the table

2. ESS 440 – Getting LDI Mean and Standard Deviation

- Add the LDI layer from Google Drive file into ArcGIS. Add in your shapefile layer with all CSU properties.
- Use the "Extract by Mask" tool to create a clip of the LDI within the property boundary. You can open the attribute table of the shapefile for the property boundary and highlight the property of interest to do this one property at a time. You must save your result in a geodatabase.
- Then use the "Calculate Statistics" tool to run statistics on the raster. You can view results in Raster dataset properties see Properties when right click layer, choose Source tab and scroll down to Statistics.
- Put the results (mean and stdev) in the table in the CODEX Reports table in the Google Drive.

3. ESS 440 – Working with COMaP data

The goal is to buffer each property by 4 miles and then calculate the % of each managed land category using the intersect tool to better understand the connectivity of the property.

All parts of the ArcMap are in the COMaP GIS data folder. You should be able to download all of that, extract zip files and then find them in the map. The Mountain campus buffer and intersect files can be used as an example. Parcel22cnhp is all the CSU properties.



This is the legend of COMaP in case you have to recreate it.

https://desktop.arcgis.com/en/arcmap/latest/extensions/tracking-analyst/063-symbolizing-point-data-with-text-as-character-marker-symbol.htm

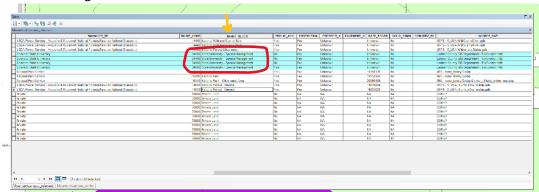
Follow this guide through step 10: https://support.esri.com/en/technical-article/000010582#:~:text=Open%20ArcMap.,Features%20to%20the%20point%20shapefile.

For step 10, use this instead: [AreaBuffer]/ [TotalArea] * 100

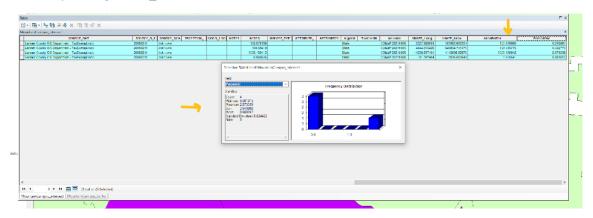
Generally, here are the steps (and the names to use):

1. Buffer the CSU property polygon by 4 miles > name the new layer "[CSU property name] buffer"

- 2. Make the new buffer layer hollow so you can see through it
- 3. Add a new field to the buffer layer attribute table as a double type and call it "TotalArea"
- 4. In an editor session right click on the new field and select 'Calculate Geometry.' Set property as 'Area' and units to 'Acres US.' This is the total acreage of the buffered area. Save edits and stop editing after this.
- 5. Now run the intersect tool to add in the COMaP parcels that are within the 4 mile buffered area
- 6. Your input features are COMaP and the new buffer layer. Name the new layer "[CSU property name]_intersect"
- 7. Make the new intersect later hollow as well so you can see the COMaP properties below. Use the geoprocessing tools to Dissolve the intersect layer by Management Code.
- 8. Add a new field to the dissolve later attribute table as a double type and call it "AreaBuffer."
- 9. Add another field called "PercentAc"
- 10. Start an editing session and right click on the new "AreaBuffer" field and select 'Calculate geometry.' Set property as 'Area' and units to 'Acres US.' This is the total acreage of each COMaP property within the buffered area.
- 11. Now right click on the new "PercentAc" field and select 'Field Calculator.' Enter: [AreaBuffer]/ [TotalArea] * 100. This calculates the percent of land in the buffered area for each COMaP parcel. This should total 100%.
- 12. Save edits and stop editing.
- 13. Sort ascending the MGMT_DESCR and use that field to select all the parcels with the same name. Then right click on "PercentAc" and click 'Statistics'.



14. Do this for each category under the MGMT_DESCR field and copy and paste the sum into the Excel table. It will probably be best to control-find the category in the Excel table. You can also search by management code.



4. ESS 440 – Working with TNC Resilience and Connected Landscape data

TNC Resilience data: https://maps.tnc.org/resilientland/

Link to the TNC definitions: http://maps.tnc.org/resilientland/coreConcepts.html

- o Go to this website
- Upload zipped shapefile of the property boundary
- o It'll take a minute or so to run the report and then results will pop up.
- Use the Resilience pie chart under "Terrestrial Resilience Categories" and enter the % for each category in the Excel sheet. Hover over each section to get the category.
- It is easier to get the data from the website but once you are done, download the PDF (right click on pop-up > print as PDF) and put it in a folder on the drive.

5. ESS 501 – Microsoft Excel formulas and functions used to organize and analyze datasets.

| Excel Function | Purpose |
|---|---|
| =IFERROR(INDEX,(MATCH))) | Match species names between datasets to return tertiary value (or blank if no matching value was found) |
| =COUNTIF() | Count the number of records if a certain value was observed |
| Sort by (custom) - Kingdom, Phylum, Class, Order, Family, Species, Date (Newest → Oldest) | Sorting by descending taxonomic level and then date that species was observed |
| Remove duplicates | Remove all but one record that has the same species name - species with most recent observation kept |

6. ESS 440 - Procedure to run Floristic Quality Assessment tools

- Copy of ECRC_Master.xlsx see tab: Table List copy out all the entries in the Plantae category into a new spreadsheet
- Copy of Master Biodiversity List Mountain Campus.xlsx see tab: Master copy out all the entries in the Plantae category into a new spreadsheet
- Go to this link: https://cnhp.colostate.edu/cwic/tools/calculator/ and download the FQA calculator.
 - Read the help documentation provided with the calculator.
- Edit your spreadsheets of plant names so that it will be in the following format for use with the FQA calculator:

| Plot | Species | Cover |
|------|---------|-------|
|------|---------|-------|

| ECRC | Acorus calamus | 100 |
|------|----------------|-----|
| MC | Acorus calamus | 100 |

- Where ECRC is the Eastern Colorado Research Center and MC is the Mountain Campus.
 Since we don't have cover, add 100 for every species. Make sure you just have the full scientific name (Genus and species, no nomenclature authority) for the species.
- O Species names must match the nomenclature used in Weber and Wittman 2001.
 - You can try clicking "Check species names" in the Access calculator to fix any issues.
 If that doesn't work, you can use the Ack_Weber_compare.xlsx spreadsheet in the google drive to crosswalk names.
 - Check that the scientific name on the master spreadsheet is a name in the Weber species list on the Ack_Weber_compare.xlsx spreadsheet. If you don't find it in the list for Weber, check the list for Ackerfield. Use the Weber name in your final spreadsheet.
 - A spreadsheet with the USDA codes and full species names is provided for reference in the google drive folder see Copy of CO_Plant_Native_Status.xlsx.
- Use the FQA calculactions.pdf in the FQA calculator download materials to calculate indices
 of Species richness, Native species richness, non-native species richness, %non-native
 species, Mean C, Mean Cnat for both properties
- *A new version of the calculator is now available on the CNHP website and should be used for calculating future FQA indices. See the CNHP reports page: https://cnhp.colostate.edu/library/reports/ and filter reports by Title: "Floristic Quality Assessment" and Author: "Smith". Download the zipped folder with report and excel spreadsheet.

APPENDIX 3. Definitions of conservation statuses and classifications and website hyperlink references.

Table 1. Conservation statuses and classifications with definitions and sources.

| Ranking | Definition | Source | | | |
|--------------------------|---|--------|--|--|--|
| Potential Conservation A | Potential Conservation Areas (PCA) | | | | |
| B1 | Outstanding Biodiversity Significance | - | | | |
| B2 | Very High Biodiversity Significance | - | | | |
| В3 | High Biodiversity Significance | - | | | |
| B4 | Moderate Biodiversity Significance | - | | | |
| B5 | General Biodiversity Significance | - | | | |
| CNHP and the NatureSer | ve Network ranking | | | | |
| G | Global | | | | |
| S | State | | | | |
| N | Nation | | | | |
| X | Presumed Extirpated or Extinct | | | | |
| Q | Question | | | | |
| G1 S1 | Critically Imperiled - Critically imperiled because of extreme rarity or because of some factor(s) making it especially vulnerable to extirpation or extinction (typically 1-5 individuals). | - | | | |
| G2 S2 | Imperiled - Imperiled because of rarity or because of some factor(s) making it very vulnerable to extirpation or extinction (typically 6-20 individuals) | - | | | |
| G3 S3 | Vulnerable - Vulnerable either because rare and uncommon, or found only in a restricted range (even if abundant at some locations), or because of other factors making it vulnerable to extirpation or extinction (typically 21-100 individuals). | - | | | |

| G4 S4 | Apparently Secure - Uncommon but not rare, and usually widespread. Possible cause of long-term concern (typically more than 100 occurrences and more than 10,000 individuals) | - |
|-------------------------------|---|---|
| G5 S5 | Secure - Common, widespread, and abundant. Perpetually secure under present conditions. | - |
| Endangered Species Act | (ESA) Status | |
| LE | Federally Listed - Endangered | - |
| LT | Federally Listed - Threatened | - |
| LC | Federal Candidate for Listing | - |
| PS | Partial Status (listed in part of the range) | |
| CPW Colorado Threaten | ed and Endangered List Status | |
| SE | State Listed - Endangered | - |
| ST | State Listed - Threatened | - |
| sc | State Candidate for Listing | - |
| Colorado State Wildlife | Action Plan (SWAP) (2015) | |
| Tier 1 | Highest conservation status in Colorado | - |
| Tier 2 | Require monitoring, but conservation action is less urgent | - |
| Coefficient of Conservat | ism (C value) | |
| 0 | Nonnative species - prevalent in new ground or obligate to non- natural areas | - |
| 1-3 | Commonly found in non-natural areas | - |
| 4-6 | Equally found in natural and non-natural areas | - |
| 7-9 | Obligate to natural areas but can sustain some habitat degradation | - |
| 10 | Obligate to high quality natural areas – no evidence species occurs outside high-quality natural areas | - |

| Native status | | |
|-----------------------|---|---|
| Native | Species historically from Colorado | - |
| Non-native | Species introduced to Colorado | - |
| Noxious | Non-native species designated as injurious to the ecosystem | - |
| Colorado Noxious Weed | <u>s</u> | |
| List A | Species designated for eradication | - |
| List B | Species require the development and implementation of a state noxious weed management plan designed to stop their continued spread | - |
| List C | Species require the development and implementation of a state noxious weed management plans designed to support the efforts of local governing bodies to facilitate more effective integrated weed management on private and public lands | - |
| Watch List | Species determined to pose a potential threat to the agricultural productivity and environmental values of the lands of the state | - |
| | | |

CNHP EO – Element Occurrence Record: an areas of land occupied by a conservation element (animal, plant, natural plant community)

BGEPA – Bald and Golden Eagle Protection Act, USFWS

Table 2. Text reference and associated website hyperlink.

| Text Reference | Website Link |
|---|---|
| Audubon Important Bird Areas | https://www.audubon.org/important-bird-areas |
| Bald and Golden Eagle Protection Act | https://www.fws.gov/law/bald-and-golden-eagle-protection-act |
| Bureau of Land Management (BLM) Sensitive Species | https://www.blm.gov/policy/ca-ib-2020-006 |
| CNHP and the NatureServe Network ranking | https://cnhp.colostate.edu/ourdata/help/heritage/ |
| Coefficient of Conservatism (C value) | https://cnhp.colostate.edu/download/documents/2007/FQAFinalReport.pdf |
| Colorado Designated State Natural Areas | https://cpw.state.co.us/aboutus/Pages/CNAP.aspx |
| Colorado Natural Heritage Program | https://cnhp.colostate.edu/aboutus/aboutus/ |
| Colorado State Wildlife Action Plan (2015) | https://cpw.state.co.us/aboutus/Pages/StateWildlifeActionPlan.aspx |
| Colorado's Conservation Data Explorer (CODEX) | https://cnhp.colostate.edu/maps/codex/ |
| Colorado Noxious Weeds | https://ag.colorado.gov/conservation/noxious-weeds/species-id |
| Colorado Ownership, Management, and Protection | |
| (COMaP) | https://comap.cnhp.colostate.edu/ |
| Colorado Threatened and Endangered List Status | https://cpw.state.co.us/learn/Pages/SOC-ThreatenedEndangeredList.aspx |
| Colorado Wetland Information Center | https://cnhp.colostate.edu/cwic/ |
| Colorado Wetland Information Center Restoration and | |
| Enhancement | https://cnhp.colostate.edu/cwic/work/restoration/ |
| CPW - habitat models for Colorado's fauna (Table 2) | https://codex.cnhp.colostate.edu/ |
| CSU Land Acknowledgement | https://landacknowledgment.colostate.edu/ |
| eBird | https://ebird.org/home |
| Endangered Species Act (ESA) | https://www.fws.gov/law/endangered-species-act |
| Endangered Species Act (ESA) Status | https://cnhp.colostate.edu/rareplants/definitions.asp |
| Floristic Quality Analysis Calculator | https://cnhp.colostate.edu/cwic/tools/calculator/ |
| GBIF | https://doi.org/10.15468/dl.r6njnk |
| GBIF Institutional Codes | https://www.gbif.org/grscicoll/institution/search |

| Text Reference | Website Link |
|---|--|
| iNaturalist | https://www.inaturalist.org |
| National Landcover Database | https://www.mrlc.gov/data/nlcd-2016-land-cover-conus |
| NatureServe Network | https://www.natureserve.org/ |
| Potential Conservation Areas | https://cnhp.colostate.edu/ourdata/help#PCA |
| Rare Plant Guide | https://cnhp.colostate.edu/rareplants/ |
| SCAN | https://scan-bugs.org/portal/# |
| SEINet | https://swbiodiversity.org/seinet/ |
| storymap | https://storymaps.arcgis.com/stories/0c7bc08d08594b3683664bc3103290ad |
| Sustainability Tracking Assessment & Ratings System | https://stars.aashe.org/ |
| The Nature Conservancy's (TNC) Resilient and | |
| Connected Landscape Mapping Tool | https://maps.tnc.org/resilientland/ |
| US Forest Service (USFS) Special Status Species | https://www.fs.usda.gov/detail/r2/landmanagement/?cid=stelprdb5344319 |
| USGS National Hydrography Dataset | https://www.usgs.gov/national-hydrography/national-hydrography-dataset |
| USFWS Designated Critical Habitat | https://ecos.fws.gov/ecp/report/critical-habitat |
| Wetland and riparian areas | https://cnhp.colostate.edu/cwic/about-cwic/importance/ |

APPENDIX 4. Detailed biodiversity assessment results for CSU properties.

Table 1. Properties with other species of concern returned as documented within 1 mile of the property in an environmental review in CODEX where other species of concern include rare species, natural communities, and species of economic, recreational or conservation value. If multiple last observation dates were returned, the most recent was reported. See Appendix 3 for an explanation of the codes used in the Status column. Species greyed out are believed not to have habitat on the property based on aerial photography (ESRI, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community).

| | Total # documented occurrences of species of | | | | | |
|----------|---|---------------------------|---------------|-------------|--------------------------|---------------|
| _ | concern within | | Common | Last | | |
| Property | 1 mile | Scientific Name | Name | Observation | | Status |
| | | | | | CPW Brood Concentration | |
| | | | | | Area CPW Production Area | |
| | | | | | CPW Winter Concentration | |
| | | Branta canadensis | Canada Goose | N/A | Area | G5 S5 |
| | | | Great Horned | | | |
| | | Bubo virginianus | Owl | 4/8/2020 | CPW Nests - Active | G5 S5 |
| | | | Red-tailed | | | |
| | | Buteo jamaicensis | Hawk | 2019-05-29 | CPW Nests - Active | G5 S5B S5N |
| | | | Swainson's | | | G5 S5B, SWAP |
| | | Buteo swainsoni | Hawk | 4/20/2016 | CPW Nests - Active | Tier 2 |
| ARDEC | 9 | | | | CPW | |
| | | Odocoileus hemionus | Mule Deer | | Concentration Area | G5 S4 |
| | | | White-tailed | | CPW | |
| | | Odocoileus virginianus | Deer | | Concentration Area | G5 S5 |
| | | Pandion haliaetus | Osprey | 7/20/2016 | CPW Nests - Active | G5 S3B |
| | | | | | | G4 S1B, |
| | | | American | | | BLM/SWAP Tier |
| | | Pelecanus erythrorhynchos | White Pelican | | CPW Foraging Area | 2 |
| | | | | | CPW Human | |
| | | Puma concolor | Mountain Lion | | Conflict Area | |

| | Total # documented occurrences of species of concern within | | Common | Last | | |
|--------------------|---|------------------------|--------------------------|-------------|---|---------------------------------------|
| Property | 1 mile | Scientific Name | Name | Observation | Source | Status |
| | | Melanerpes lewis | Lewis's Woodpecker | 8/8/2002 | CNHP EO | G4 S4, SWAP Tier 2/USFS |
| | | Meleagris gallopavo | Wild Turkey | | CPW Production Area CPW Roost Sites | G5 S5 |
| | | Phasianus colchicus | Ring-necked Pheasant | | CPW Concentration Area | G5 SNA |
| | | Hybognathus placitus | Plains Minnow | | CPW HUC12 Presence | G4 SH, SWAP Tier 1/USFS |
| Arkansas Valley | 9 | Phenacobius mirabilis | Suckermouth Minnow | | CPW HUC12 Presence | G5 S2 , SE, SWAP Tier 1 |
| | | Platygobio gracilis | Flathead Chub | | CPW HUC12 Presence | G5 S3, SC, SWAP Tier 1/USFS |
| | | Cervus canadensis | Elk | | CPW Resident Population Area | G5 S5 |
| | | Odocoileus hemionus | Mule Deer | | CPW Concentration Area | G5 S4 |
| | | Odocoileus virginianus | White-tailed Deer | | CPW Concentration Area CPW Highway Crossing | G5 S5 |
| | | Lithobates pipiens | Northern Leopard Frog | 5/7/1965 | CNHP EO | G5 S3, SC, BLM/SWAP Tier 1/USFS |
| Borden | | Meleagris gallopavo | Wild Turkey | | CPW Production Area | G5 S5 |
| | 13 | Etheostoma exile | Iowa Darter | | CPW HUC12 Presence | G5 S3, SWAP Tier 2 |
| | | Fundulus sciadicus | Plains Topminnow | | CPW HUC12 Presence | G4 S4, SWAP Tier 1 |

| Property | Total # documented occurrences of species of concern within 1 mile | Scientific Name | Common Name | Last Observation | Source | Status |
|----------|--|--|---------------------------------------|---------------------|--|-----------------------|
| | | | Brassy | | CPW HUC12 | G5 S3, SWAP |
| | | Hybognathus hankinsoni | Minnow | | Presence | Tier 1 |
| | | Lepomis humilis | Orangespotted Sunfish | | CPW HUC12 Presence | G5 S5, SWAP Tier 1 |
| | | Cervus canadensis | Elk | | CPW Highway Crossing CPW Migration Corridors CPW Severe Winter Range CPW Winter Concentration Area | G5 S5 |
| | | Odocoileus hemionus | Mule Deer | | CPW Resident Population Area CPW Winter Concentration Area | G5 S4 |
| | | Puma concolor | Mountain Lion | | CPW Human Conflict Area | G5 S4 |
| | | Ursus americanus | Black Bear | | CPW Fall Concentration CPW Human Conflict Area CPW Summer Concentration Area | G5 S5 |
| | | Agastache foeniculum | Lavender Hyssop | 1896-08-06 | CNHP EO | G5 S2 |
| | | Carex saximontana | Rocky Mountain Sedge | 5/31/1941 | CNHP EO | G5 S1 |
| | | Cypripedium calceolus ssp. parviflorum (Cypripedium parviflorum) | American Yellow Lady's- slipper | 6/25/2014 | CNHP EO | G5 S2, USFS |

| | Total # documented occurrences of | | | | | |
|----------|-----------------------------------|---------------------------|-----------------------------|-------------|--|---------------------------------------|
| | species of concern within | | Common | Last | | |
| Property | 1 mile | Scientific Name | Name | Observation | Source | Status |
| | | Lithobates pipiens | Northern Leopard Frog | 1965-04-24 | CNHP EO | G5 S3, SC, BLM/SWAP Tier 1/USFS |
| | | | Great Blue | | | |
| | | Ardea herodias | Heron | | CPW Nesting Area | G5 S3B |
| | | Branta canadensis | Canada Goose | | CPW Production Area, CPW Winter Concentration Area | G5 S5 |
| | | Branta Canadensis | Canada Goose | | | G2 22 |
| | | Pandion haliaetus | Osprey | 2020-06-24 | CPW Nests - Active | G5 S3B |
| Boulder | 13 | Pelecanus erythrorhynchos | American White Pelican | | CPW Foraging Area | G4 S1B, BLM/SWAP Tier 2 |
| Boulder | 13 | Fundulus sciadicus | Plains Topminnow | | CPW HUC12 Presence | G4 S4, SWAP Tier 1 |
| | | Lepomis humilis | Orangespotted Sunfish | | CPW HUC12 Presence | G5 S5, SWAP Tier 1 |
| | | | | | CPW Production Area, CPW Resident Population Area, CPW Severe Winter Range, CPW Winter | |
| | | Cervus canadensis | Elk | | Concentration Area | G5 S5 |
| | | Cynomys Iudovicianus | Black-tailed Prairie Dog | 2006-99-99 | CNHP EO | G4 S3, SC, BLM/SWAP Tier 2/USFS |

| Property | Total # documented occurrences of species of concern within 1 mile | Scientific Name | Common Name | Last Observation | Source | Status |
|----------|--|------------------------|----------------------|---------------------|--|----------|
| | | | | | CPW Concentration Area, CPW Highway Crossing, CPW Resident Population Area, CPW Severe Winter Range, CPW | |
| | | Odocoileus hemionus | Mule Deer | | Winter Concentration Area | G5 S4 |
| | | Odocoileus virginianus | White-tailed Deer | | CPW Concentration Area | G5 S5 |
| | | Puma concolor | Mountain Lion | | CPW Human Conflict Area CPW Fall | G5 S4 |
| | | Ursus americanus | Black Bear | | Concentration, CPW Human Conflict Area | G5 S5 |
| | | Meleagris gallopavo | Wild Turkey | | CPW Production Area | G5 S5 |
| | | Alces americanus | Moose | | CPW Concentration Area | G5T5 SNA |
| Buckhorn | 8 | Cervus canadensis | Elk | | CPW Migration Corridors, CPW Production Area, CPW Severe Winter Range, CPW Winter Concentration Area | G5 S5 |
| | | Ursus americanus | Black Bear | | CPW Fall Concentration, CPW Summer Concentration Area | G5 S5 |

| | Total # documented occurrences of species of concern within | | Common | Last | | |
|------------|---|---|--------------------------------|-------------|--|--------|
| Property | 1 mile | Scientific Name | Name | Observation | Source | Status |
| | | Calamagrostis canadensis Western Wet Meadow | Montane Wet Meadows | 1990-08-31 | CNHP EO | G4 S4 |
| | | Picea pungens / Alnus incana Riparian Woodland | Montane Riparian Forests | 1990-06-09 | CNHP EO | G3 S3 |
| | | Purshia tridentata / Muhlenbergia montana Shrubland | Mixed Foothill Shrublands | 1985-08-20 | CNHP EO | G2 S2 |
| | | Salix monticola / Calamagrostis canadensis Wet Shrubland | Montane Willow Carr | 1990-08-31 | CNHP EO | G3 S3 |
| | | Branta canadensis | Canada Goose | | CPW Brood Concentration Area, CPW Production Area, CPW Winter Concentration Area | G5 S5 |
| | | Dianta canadensis | canada Goose | | CPW Winter Concentration | 03 33 |
| | | Meleagris gallopavo | Wild Turkey | | Area | G5 S5 |
| Canon City | 7 | | | | CPW Severe Winter Range, CPW Winter | |
| | | Cervus canadensis | Elk | | Concentration Area | G5 S5 |
| | | | | | CPW Highway Crossing, CPW Resident Population Area, CPW Severe | |
| | | Odocoileus hemionus | Mule Deer | | Winter Range | G5 S4 |

| | Total # documented occurrences of | | | | | |
|-------------------------|---|------------------------|--------------------------|-------------|--|---------------------------------------|
| | species of concern within | | Common | Last | | |
| Property | 1 mile | Scientific Name | Name | Observation | Source | Status |
| | | Odocoileus virginianus | White-tailed Deer | | CPW Concentration Area | G5 S5 |
| | | Puma concolor | Mountain Lion | | CPW Human Conflict Area | G5 S4 |
| | | Ursus americanus | Black Bear | | CPW Human Conflict Area, CPW Summer Concentration Area | G5 S5 |
| Central Great Plains | 1 | Phasianus colchicus | Ring-necked Pheasant | 1974-05-02 | CPW Concentration Area | G5 SNA |
| | | Lithobates pipiens | Northern Leopard Frog | | CNHP EO | G5 S3, SC, BLM/SWAP Tier 1/USFS |
| | | Branta canadensis | Canada Goose | | CPW Winter Concentration Area | G5 S5 |
| | | Etheostoma exile | lowa Darter | | CPW HUC12 Presence | G5 S3, SWAP Tier 2 |
| Foot Commun | 42 | Fundulus sciadicus | Plains Topminnow | | CPW HUC12 Presence | G4 S4, SWAP Tier 1 |
| East Campus | 12 | Hybognathus hankinsoni | Brassy Minnow | | CPW HUC12 Presence | G5 S3, SWAP Tier 1 |
| | | Lepomis humilis | Orangespotted Sunfish | | CPW HUC12 Presence | G5 S5, SWAP Tier 1 |
| | | Odocoileus virginianus | White-tailed Deer | | CPW Concentration Area | G5 S5 |
| | | Puma concolor | Mountain Lion | | CPW Human Conflict Area | G5 S4 |
| | | Ursus americanus | Black Bear | 1893-07-03 | CPW Human Conflict Area | G5 S5 |
| | | Acorus calamus | Sweet Flag | 2007-99-99 | CNHP EO | G4? S1 |

| Property | Total # documented occurrences of species of concern within 1 mile | Scientific Name | Common Name | Last Observation | Source | Status |
|---------------------------------|--|--|-------------------------------------|---------------------|--|--|
| | | Naumburgia thyrsiflora (Lysimachia thyrsiflora) | Tufted Loosestrife | 2011-04-28 | CNHP EO | G5 S1 |
| | | Ribes americanum | American Currant | | CNHP EO | G5 S2 |
| | | Branta canadensis Bubo virginianus | Canada Goose Great Horned Owl | | CPW Production Area CPW Nests - Active | G5 S5 G5 S5 |
| | 7 | Buteo jamaicensis | Red-tailed Hawk | | CPW Nests - Active | G5 S5B S5N |
| Eastern Colorado Research | | Buteo regalis | Ferruginous Hawk | | CPW Nests - Active | G4 S3B,S4N, SC, BLM/SWAP Tier 2/USFS |
| Center | | Phasianus colchicus | Ring-necked Pheasant | | CPW Concentration Area | G5 SNA |
| | | Andropogon hallii - Calamovilfa longifolia Grassland | Northern Sandhill Prairie | 1977-99-99 | CNHP EO | G4G5 |
| | | Astragalus plattensis | Platte River Milkvetch | 1960-06-25 | CNHP EO | G5 |
| | | Lithobates pipiens | Northern Leopard Frog | 1974-05-02 | CNHP EO | G5 S3, SC, BLM/SWAP Tier 1/USFS |
| Edwards | 10 | Branta canadensis | Canada Goose | | CPW Winter Concentration Area | G5 S5 |
| | | Etheostoma exile | Iowa Darter | | CPW HUC12 Presence | G5 S3, SWAP Tier 2 |

| | Total # documented occurrences of species of concern within | | Common | Last | | |
|---------------|---|------------------------|--------------------------|-------------|------------------------------------|---------------------------------------|
| Property | 1 mile | Scientific Name | Name | Observation | Source | Status |
| | | Fundulus sciadicus | Plains Topminnow | | CPW HUC12 Presence | G4 S4, SWAP Tier 1 |
| | | Hybognathus hankinsoni | Brassy Minnow | | CPW HUC12 Presence | G5 S3, SWAP Tier 1 |
| | | Lepomis humilis | Orangespotted Sunfish | | CPW HUC12 Presence | G5 S5, SWAP Tier 1 |
| | | Odocoileus virginianus | White-tailed Deer | | CPW Concentration Area | G5 S5 |
| | | Puma concolor | Mountain Lion | | CPW Human Conflict Area | G5 S4 |
| | | Ursus americanus | Black Bear | | CPW Human Conflict Area | G5 S5 |
| | | Acorus calamus | Sweet Flag | 1893-07-03 | CNHP EO | G4? S1 |
| | | Lithobates pipiens | Northern Leopard Frog | 1974-05-02 | CNHP EO | G5 S3, SC, BLM/SWAP Tier 1/USFS |
| | | Ardea herodias | Great Blue Heron | | CPW Nesting Area | G5 S3B |
| Environmental | | | | | CPW Production Area, CPW Winter | |
| Learning | 18 | Branta canadensis | Canada Goose | | Concentration Area | G5 S5 |
| Center | | Bubo virginianus | Great Horned Owl | 2019-07-16 | CPW Nests - Active | G5 S5 |
| | | Buteo jamaicensis | Red-tailed Hawk | 2019-07-30 | CPW Nests - Active | G5 S5BS5N |
| | | Circus hudsonius | Northern Harrier | 2018-06-14 | CPW Nests - Active | G5 S3B, SWAP Tier 2/USFS |
| | | Pandion haliaetus | Osprey | 2019-07-30 | CPW Nests - Active | G5 S3B |

| | Total # documented occurrences of species of concern within | | Common | Last | | |
|-----------|---|--|-----------------------------|-------------|-------------------------|---------------------------------------|
| Property | 1 mile | Scientific Name | Name | Observation | Source | Status |
| | | Release we are through as | American White Pelican | | CPW Foraging | G4 S1B, BLM/SWAP Tier 2 |
| | | Pelecanus erythrorhynchos | white Pelican | | Area, CPW Nesting Area | + |
| | | Etheostoma exile | Iowa Darter | | CPW HUC12 Presence | G5 S3, SC, SWAP Tier 2 |
| | | Fundulus sciadicus | Plains Topminnow | | CPW HUC12 Presence | G4 S4, SWAP Tier 1 |
| | | Hyboqnathus hankinsoni | Brassy Minnow | | CPW HUC12 Presence | G5 S3, ST, SWAP Tier 1 |
| | | Lepomis humilis | Orangespotted Sunfish | | CPW HUC12 Presence | G5 S5, SWAP Tier 1 |
| | | Plathemis subornata | Desert Whitetail | 2008-07-15 | CNHP EO | G4 S3 |
| | | Odocoileus virginianus | White-tailed Deer | | CPW Concentration Area | G5 S5 |
| | | Puma concolor | Mountain Lion | | CPW Human Conflict Area | G5 S4 |
| | | Ursus americanus | Black Bear | | CPW Human Conflict Area | G5 S5 |
| | | Carex lasiocarpa | Slender Sedge | 2011-06-25 | CNHP EO | G5 S2 |
| | | Oenothera coloradensis (Gaura neomexicana ssp. coloradensis) | Colorado Butterfly Plant | 1897-99-99 | CNHP EO | G3T2 S1, SWAP Tier 1 |
| Foothills | 29 | Lithobates pipiens | Northern Leopard Frog | 1974-05-02 | CNHP EO | G5 S3, SC, BLM/SWAP Tier 1/USFS |

| Property | Total # documented occurrences of species of concern within 1 mile | Scientific Name | Common Name | Last Observation | Source | Status |
|----------|--|---------------------------|----------------|---------------------|--------------------------|-----------------------|
| | | | | | CPW Production Area, CPW | |
| | | | | | Winter | |
| | | Branta canadensis | Canada Goose | | Concentration Area | G5 S5 |
| | | | Great Horned | | | |
| | | Bubo virginianus | Owl | 2018-04-16 | CPW Nests - Active | G5 S5 |
| | | | Red-tailed | | | |
| | | Buteo jamaicensis | Hawk | 2019-07-30 | CPW Nests - Active | G5 S5B S5N |
| | | | Eastern | | | |
| | | Megascops asio | Screech-owl | 2018-04-01 | CPW Nests - Active | G5 S4B |
| | | | | | | G4 S1B, |
| | | | American | | 00145 | BLM/SWAP Tier |
| | | Pelecanus erythrorhynchos | White Pelican | | CPW Foraging Area | 2 |
| | | Eth costoner ovilo | lowa Darter | | CPW HUC12 Presence | G5 S3, SC, SWAP |
| | | Etheostoma exile | Plains | | CPW HUC12 Presence | Tier 2 |
| | | Fundulus sciadicus | Topminnow | | CPW HUC12 Presence | G4 S4, SWAP Tier 1 |
| | | Fundulus scidulcus | Brassy | | CFW HOC12 Fresence | G5 S3, ST, SWAP |
| | | Hybognathus hankinsoni | Minnow | | CPW HUC12 Presence | Tier 1 |
| | | , zognacia namimiom | Orangespotted | | 3. W 113312 1 16361166 | G5 S5, SWAP |
| | | Lepomis humilis | Sunfish | | CPW HUC12 Presence | Tier 1 |
| | | | | | | G2G3 S2, SWAP |
| | | Atrytone arogos | Arogos Skipper | 1985-06-23 | CNHP EO | Tier 2 |
| | | | Dusted | | | |
| | | Atrytonopsis hianna | Skipper | 1998-05-26 | CNHP EO | G4G5 S2 |
| | | | Mottled Dusky | | | G3 S2S3, SWAP |
| | | Erynnis martialis | Wing | 1996-05-21 | CNHP EO | Tier 2 |

| Property | Total # documented occurrences of species of concern within 1 mile | Scientific Name | Common Name | Last Observation | Source | Status |
|----------|--|--|-----------------------------|---------------------|--|---------------------------------------|
| | | Speyeria idalia (Argynnis idalia) | Regal Fritillary | 1994-09-03 | CNHP EO | G3? S1, SWAP Tier 2/USFS |
| | | Cervus canadensis | Elk | | CPW Resident Population Area | G5 S5 |
| | | Cynomys ludovicianus | Black-tailed Prairie Dog | 2004-05-21 | CNHP EO | G4 S3, SC, BLM/SWAP Tier 2/USFS |
| | | Odocoileus hemionus | Mule Deer | | CPW Highway Crossing, CPW Resident Population Area, CPW Severe Winter Range, CPW Winter Concentration Area | G5 S4 |
| | | Odocoileus virginianus | White-tailed Deer | | CPW Concentration Area, | G5 S5 |
| | | Puma concolor | Mountain Lion | | CPW Human Conflict Area | G5 S4 |
| | | Sorex nanus | Dwarf Shrew | 9999-99-99 | CNHP EO | G4 S2, SWAP Tier 2 |
| | | Ursus americanus | Black Bear | | CPW Fall Concentration, CPW Human Conflict Area, CPW Summer Concentration Area | G5 S5 |
| | | Andropogon gerardii - Schizachyrium scoparium Northwestern Plains Grassland | Xeric Tallgrass Prairie | 1996-08-12 | CNHP EO | G2? S2 |

| | Total # documented | | | | | |
|-------------|---------------------------|-----------------------------|----------------|-------------|-------------------|---------------|
| | occurrences of species of | | | | | |
| | concern within | | Common | Last | | |
| Property | 1 mile | Scientific Name | Name | Observation | Source | Status |
| | | | Mountain | | | |
| | | | Mahogany - | | | |
| | | Cercocarpus montanus - | Skunkbush / | | | |
| | | Rhus trilobata / Andropogon | Big Bluestem | | | |
| | | <i>gerardii</i> Shrubland | Shrubland | 1996-09-04 | CNHP EO | G2G3 S2 |
| | | Cercocarpus montanus / | | | | |
| | | Hesperostipa neomexicana | Foothills | | | |
| | | Shrubland | Shrubland | 1996-06-24 | CNHP EO | G2G3 S2 |
| | | | Forktip | | | |
| | | Aristida basiramea | Threeawn | 2011-99-99 | CNHP EO | G5 S2 |
| | | | Narrow-leaved | | | |
| | | Asclepias stenophylla | Milkweed | 1897-07-15 | CNHP EO | G4G5 S2 |
| | | | Rocky | | | |
| | | | Mountain | | | |
| | | Phacelia denticulata | Phacelia | 1895-07-15 | CNHP EO | G3 S2 |
| | | | | | | G2G3 S2S3, |
| | | Physaria bellii | Bell's Twinpod | 2006-05-23 | CNHP EO | SWAP Tier 2 |
| | | | Slim-pod | | | |
| | | | Venus' | | | |
| | | Triodanis leptocarpa | Looking- | 1995-07-28 | CNHP EO | G5? S1 |
| | | Triodanis ieptocarpa | glass | 1990-07-28 | CINIT' EU | G5 S3, SC, |
| | | | Northern | | | BLM/SWAP Tier |
| | | Lithobates pipiens | Leopard Frog | 1963-04-14 | CNHP EO | 1/USFS |
| Fort Morgan | 3 | Litiobates pipiens | Leopararrog | 1303 04 14 | CITIL LO | G4 S1B, |
| | | | American | | | BLM/SWAP Tier |
| | | Pelecanus erythrorhynchos | White Pelican | | CPW Foraging Area | 2 |

| | Total # documented occurrences of species of concern within | | Common | Last | | |
|-----------|---|--|---------------------------|-------------|---|--|
| Property | 1 mile | Scientific Name | Name | Observation | Source | Status |
| | | Phasianus colchicus | Ring-necked Pheasant | _ | CPW Concentration Area | G5 SNA |
| | | Pelecanus erythrorhynchos Cervus canadensis | American White Pelican | | CPW Foraging Area CPW Resident Population Area | G4 S1B, BLM/SWAP Tier 2 G5 S5 |
| Franktown | 5 | Odocoileus hemionus | Mule Deer | | CPW Concentration Area, CPW Highway Crossing, CPW Resident Population Area, CPW Winter Concentration Area | G5 S4 |
| | | Odocoileus virginianus | White-tailed Deer | | CPW Concentration Area | G5 S5 |
| | | Ursus americanus | Black Bear | | CPW Human Conflict Area | G5 S5 |
| | | Dryophytes arenicolor | Canyon Treefrog | | CPW HUC12 Presence | G5 S2, BLM/SWAP Tier 2 |
| Fourth | | Lithobates pipiens | Northern Leopard Frog | | CPW HUC12 Presence | G5 S3, SC, BLM/SWAP Tier 1/USFS |
| Fruita | 8 | Catostomus discobolus | Bluehead Sucker | | CPW HUC12 Presence | G4 S4, BLM/SWAP Tier 1/USFS |
| | | Catostomus latipinnis | Flannelmouth Sucker | | CPW HUC12 Presence | G3G4 S3, BLM/SWAP Tier 1/USFS |

| Property | Total # documented occurrences of species of concern within 1 mile | Scientific Name | Common Name | Last Observation | Source | Status |
|----------|--|----------------------------|----------------------------|---------------------|---|---------------------------------------|
| rioperty | 1111110 | Scientific Name | Nume | Obscivation | Jource | G3 S2, SC, |
| | | Gila robusta | Roundtail Chub | | CPW HUC12 Presence | BLM/SWAP Tier 1/USFS |
| | | Lontra canadensis | Northern River Otter | 2015-04-04 | CPW Field Observations - Positive | G5 S3S4, ST, SWAP Tier 2/USFS |
| | | Odocoileus hemionus | Mule Deer | | CPW Highway Crossing, CPW Resident Population Area | G5 S4 |
| | | Ouoconeus nermonus | Western Yellowbelly | | Alea | UJ 34 |
| | | Coluber constrictor mormon | Racer | 1962-10-11 | CNHP EO | G5T5 S3 |
| | | Lithobates pipiens | Northern Leopard Frog | 1962-05-24 | CNHP EO | G5 S3, SC, BLM/SWAP Tier 1/USFS |
| Gabbard- | | Dranta agnadonsis | Canada Caasa | | CPW Brood Concentration Area, CPW Production Area, CPW Winter | CE SE |
| Rutledge | 5 | Branta canadensis | Canada Goose Red-tailed | | Concentration Area | G5 S5 |
| | | Buteo jamaicensis | Hawk | 2019-05-29 | CPW Nests - Active | G5 S5B,S5N |
| | | Pelecanus erythrorhynchos | American White Pelican | _ | CPW Foraging Area | G4 S1B, BLM/SWAP Tier 2 |
| | | Puma concolor | Mountain Lion | _ | CPW Human Conflict Area | G5 S4 |

| | Total # documented occurrences of species of concern within | | Common | Last | | |
|------------|---|-----------------------------|--------------------------|-------------|---|---------------------------------------|
| Property | 1 mile | Scientific Name | Name | Observation | Source | Status |
| | | Lithobates pipiens | Northern Leopard Frog | 1972-04-24 | CNHP EO | G5 S3, SC, BLM/SWAP Tier 1/USFS |
| | | Falco mexicanus | Prairie Falcon | 2020-03-31 | CPW Nests - Active | G5 S4B,S4N, SWAP Tier 2 |
| | | Falco peregrinus | Peregrine Falcon | 2019-07-28 | CPW Nests - Active | G4 S2B |
| | | Meleagris gallopavo | Wild Turkey | | CPW Production Area, CPW Winter Concentration Area | G5 S5 |
| | | Unknown Raptor | | 2018-04-15 | CPW Nests - Active | |
| Horsetooth | 16 | Callophrys mossii schryveri | Moss's Elfin | 1995-05-06 | CNHP EO | G4T4 S2S3, SWAP Tier 2 |
| | | Erynnis martialis | Mottled Dusky Wing | 1996-06-13 | CNHP EO | G3 S2S3, SWAP Tier 2 |
| | | Cervus canadensis | Elk | | CPW Resident Population Area | G5 S5 |
| | | Odocoileus hemionus | Mule Deer | | CPW Resident Population Area, CPW Severe Winter Range, CPW Winter Concentration Area | G5 S4 |
| | | Odocoileus virginianus | White-tailed Deer | | CPW Concentration Area | G5 S5 |
| | | Puma concolor | Mountain Lion | | CPW Human Conflict Area | G5 S4 |

| | Total # documented occurrences of | | | | | |
|------------|---|---------------------------|------------------|-------------|---|--------------------------|
| | species of concern within | | Common | Last | | |
| Property | 1 mile | Scientific Name | Name | Observation | Source | Status |
| | | | | | CPW Fall Concentration, CPW Human Conflict Area, CPW Summer | |
| | | Ursus americanus | Black Bear | | Concentration Area | G5 S5 |
| | | | Forktip | | | |
| | | Aristida basiramea | Threeawn | 2007-03-22 | CNHP EO | G5 S2 |
| | | | Narrow-leaved | | | |
| | | Asclepias stenophylla | Milkweed | 1897-07-15 | CNHP EO | G4G5 S2 |
| | | | | | | G2G3 S2S3,, |
| | | Physaria bellii | Bell's Twinpod | 2018-09-10 | CNHP EO | SWAP Tier 2 |
| | | Unamia alba (Oligoneuron | Prairie | | | |
| | | album) | Goldenrod | 1897-07-99 | CNHP EO | G5 S2 |
| | | Branta canadensis | Canada Goose | | CPW Winter Concentration Area | G5 S5 |
| | | | Red-tailed | | | |
| | | Buteo jamaicensis | Hawk | 2019-05-23 | CPW Nests - Active | G5 S5B S5N |
| | | Pandion haliaetus | Osprey | 2019-05-23 | CPW Nests - Active | G5 S3B |
| Hort Farm | 11 | | American | | | G4 S1B, BLM/SWAP Tier |
| HOIL FAITH | 11 | Pelecanus erythrorhynchos | White Pelican | | CPW Foraging Area | 2 |
| | | - Elseands elyanomynanos | Trince i circuit | | 2. 2. 2. 2. 2. 2 | G5 S3, SC, SWAP |
| | | Etheostoma exile | Iowa Darter | | CPW HUC12 Presence | Tier 2 |
| | | | Plains | | | G4 S4, SWAP |
| | | Fundulus sciadicus | Topminnow | | CPW HUC12 Presence | Tier 1 |
| | | | Brassy | | | G5 S3, ST, SWAP |
| | | Hybognathus hankinsoni | Minnow | | CPW HUC12 Presence | Tier 1 |

| | Total # documented occurrences of species of | | | | | |
|-------------|--|------------------------|--------------------------|-------------|---------------------------------|-----------------------------|
| | concern within | | Common | Last | | |
| Property | 1 mile | Scientific Name | Name | Observation | Source | Status |
| | | Lepomis humilis | Orangespotted Sunfish | | CPW HUC12 Presence | G5 S5, SWAP Tier 1 |
| | | Odocoileus hemionus | Mule Deer | | CPW Concentration Area | G5 S4 |
| | | Odocoileus virginianus | White-tailed Deer | | CPW Concentration Area | G5 S5 |
| | | Puma concolor | Mountain Lion | | CPW Human Conflict Area | G5 S4 |
| | | | Northern | | | G5 S3, SC, BLM/SWAP Tier |
| | | Lithobates pipiens | Leopard Frog | 1974-05-02 | CNHP EO | 1/USFS |
| | | , , | | | CPW Winter Concentration | |
| | | Branta canadensis | Canada Goose | | Area | G5 S3, SC, |
| | | Etheostoma exile | Iowa Darter | | CPW HUC12 Presence | G5 S4, SWAP Tier 2 |
| | | Fundulus sciadicus | Plains Topminnow | | CPW HUC12 Presence | G4 S3, ST, SWAP Tier 1 |
| Main Campus | 21 | Hybognathus hankinsoni | Brassy Minnow | | CPW HUC12 Presence | G5 S5, SWAP Tier 1 |
| | | Lepomis humilis | Orangespotted Sunfish | | CPW HUC12 Presence | G5 S4, SWAP Tier 1 |
| | | Odocoileus hemionus | Mule Deer | | CPW Resident Population Area | G5 S5 |
| | | Odocoileus virginianus | White-tailed Deer | | CPW Concentration Area | G5 S4 |
| | | Puma concolor | Mountain Lion | | CPW Human Conflict Area | G5 S5 |
| | | Ursus americanus | Black Bear | | CPW Human Conflict Area | G5 S1 |
| | | Acorus calamus | Sweet Flag | 1893-07-03 | CNHP EO | G4? |

| | Total # documented occurrences of species of concern within | | Common | Last | | |
|--------------------|---|--|--|-------------|---|--|
| Property | 1 mile | Scientific Name | Name | Observation | Source | Status |
| | | Ribes americanum | American Currant | 2011-04-28 | CNHP EO | G5 S2 |
| | | Alces americanus | Moose | | CPW Concentration Area | G5T5 SNA |
| Maxwell Ranch | 3 | Cervus canadensis | Elk | | CPW Production Area, CPW Winter Concentration Area | G5 S5 |
| Kanen | | Ursus americanus | Black Bear | | CPW Fall Concentration, CPW Human Conflict Area | G5 S5 |
| | | Anaxyrus boreas pop. 1 | Boreal Toad (Southern Rocky Mountain Population) | 1999-08-02 | CNHP EO, CPW Breeding | G4T1T2Q S1, SE, SWAP Tier 1/USFS |
| | | Arctica sp. 1 | A Tiger Moth | 1932-08-18 | CNHP EO | G1 S1 |
| | | Alces americanus | Moose | | CPW Concentration Area | G5T5 SNA |
| | | Cervus candensis | Elk | | CPW Migration Corridors, CPW Production Area | G5 S5 |
| Mountain Campus | 8 | Ursus americanus | Black Bear | | CPW Fall Concentration, CPW Human Conflict Area, CPW Summer Concentration Area | G5 S5 |
| | | Salix drummondiana / Calamagrostis canadensis Wet Shrubland | Lower Montane Willow Carrs | 2002-09-16 | CNHP EO | G3 S3 |
| | | Salix geyeriana - Salix monticola / Calamagrostis canadensis Wet Shrubland | Montane Willow Carrs | 2002-09-16 | CNHP EO | G3 S2 |

| Property | Total # documented occurrences of species of concern within 1 mile | Scientific Name | Common Name | Last Observation | Source | Status |
|--|--|--|---|---------------------|---|---------------------------------------|
| | | Salix geyeriana / Calamagrostis canadensis Wet Shrubland | Montane Riparian Willow Carr | 1990-08-31 | CNHP EO | G5 S2 |
| Northern Colorado Research Center | 2 | Etheostoma exile | Iowa Darter Orangespotted Sunfish | | CPW HUC12 Presence CPW HUC12 Presence | G5 S3, SC G5 S5, SWAP Tier 1 |
| | 9 | Ardea herodias Branta canadensis Buteo jamaicensis | Great Blue Heron Canada Goose Red-tailed Hawk | 2016-02-26 | CPW Nesting Area CPW Production Area CPW Nests - Active | G5 S3B G5 S5 G5 S5B S5N |
| | | Meleagris gallopavo Catostomus discobolus | Wild Turkey Bluehead Sucker | | CPW Production Area CPW HUC12 Presence | G5 S5 G4 S4, BLM/SWAP Tier 1/USFS |
| Orchard Mesa | | Catostomus latipinnis | Flannelmouth Sucker | | CPW HUC12 Presence | G3G4 S3, BLM/SWAP Tier 1/USFS |
| | | Gila robusta | Roundtail Chub | | CPW HUC12 Presence CPW Resident Population | G3 S2, SC, BLM/SWAP Tier 1/USFS |
| | | Odocoileus hemionus Ursus americanus | Mule Deer Black Bear | | Area CPW Human Conflict Area | G5 S4 G5 S5 |

| Property | Total # documented occurrences of species of concern within 1 mile | Scientific Name | Common Name | Last Observation | Source | Status |
|-----------------|--|--|--|---------------------|---|--|
| | | Branta canadensis | Canada Goose | | CPW Production Area, CPW Winter Concentration Area | G5 S5 |
| | | Catostomus discobolus Catostomus latipinnis | Bluehead Sucker Flannelmouth Sucker | | CPW HUC12 Presence CPW HUC12 Presence | G4 S4, BLM/SWAP Tier 1/USFS G3G4 S3, BLM/SWAP Tier |
| Rogers Mesa | 7 | Gila robusta | Roundtail Chub | | CPW HUC12 Presence | G3 S2, SC, BLM/SWAP Tier 1/USFS |
| | | Ochlodes yuma | Yuma Skipper | 1962-08-25 | CNHP EO | G4 S2S3 |
| | | Cervus canadensis | Elk | | CPW Severe Winter Range | G5 S5 |
| | | Odocoileus hemionus | Mule Deer | | CPW Concentration Area, CPW Highway Crossing, CPW Resident Population Area, CPW Severe Winter Range, CPW Winter Concentration Area | G5 S4 |
| San Luis Valley | 1 | Antigone canadensis tabida | Greater Sandhill Crane | | CPW Foraging Area | G5T5 S2B,S4N, SC, SWAP Tier 1 |
| South Campus | 10 | Lithobates pipiens | Northern Leopard Frog | 1974-05-02 | CNHP EO | G5 S3, SC, BLM/SWAP Tier 1/USFS |
| | | Buteo swainsoni | Swainson's Hawk | 2016-04-11 | CPW Nests - Active | G5 S5B, SWAP Tier 2 |

| | Total # documented occurrences of species of concern within | | Common | Last | | |
|-----------|---|--------------------------|---------------|-------------|--------------------------|-----------------|
| Property | 1 mile | Scientific Name | Name | Observation | Source | Status |
| | | | | | CPW HUC12 | G5 S3, SC, SWAP |
| | | Etheostoma exile | Iowa Darter | | Presence | Tier 2 |
| | | | Plains | | CPW HUC12 | G4 S4, SWAP |
| | | Fundulus sciadicus | Topminnow | | Presence | Tier 1 |
| | | | Brassy | | CPW HUC12 | G5 S3, ST, SWAP |
| | | Hybognathus hankinsoni | Minnow | | Presence | Tier 1 |
| | | | Orangespotted | | CPW HUC12 | G5 S5, SWAP |
| | | Lepomis humilis | Sunfish | | Presence | Tier 1 |
| | | | | | CPW Resident | |
| | | Odocoileus hemionus | Mule Deer | | Population Area | G5 S4 |
| | | | | | CPW Human | |
| | | Puma concolor | Mountain Lion | | Conflict Area | G5 S4 |
| | | | | | CPW Human | |
| | | Ursus americanus | Black Bear | | Conflict Area | G5 S5 |
| | | Acorus calamus | Sweet Flag | 2009-05-12 | CNHP EO | G4? S1 |
| | | Callipepla squamata | Scaled Quail | | CPW | G5 S4 |
| | | | | | Concentration Area | |
| Southeast | | Meleagris gallopavo | Wild Turkey | | CPW Production Area, CPW | G5 S5 |
| Colorado | 4 | | | | Roost Sites | |
| Research | | Phasianus colchicus | Ring-necked | | CPW Concentration Area | G5 SNA |
| Center | | | Pheasant | | | |
| | | Odocoileus virginianus | White-tailed | | CPW Concentration Area | G5 S5 |
| | | | Deer | | | |
| Southwest | | | Columbian | | | G5T3 S2, SC, |
| Colorado | 4 | Tympanuchus phasianellus | Sharp-tailed | | | BLM/SWAP Tier |
| 20.0.0.0 | | columbianus | Grouse | | CPW Production Area | 1/USFS |

| | Total # documented occurrences of species of concern within | | Common | Last | | |
|--------------------|---|--------------------------------------|--------------------------|-------------|--|---------------------------------------|
| Property | 1 mile | Scientific Name | Name | Observation | Source | Status |
| Research Center | | Cervus canadensis | Elk | | CPW Highway Crossing, CPW Limited Use Area, CPW Severe Winter Range, CPW Winter Concentration Area | G5 S5 |
| | | Odocoileus hemionus | Mule Deer | | CPW Highway Crossing, CPW Resident Population Area, CPW Winter Concentration Area | G5 S4 |
| | | | | | | |
| | | Ursus americanus Lithobates pipiens | Northern Leopard Frog | 1968-05-11 | CPW Human Conflict Area CNHP EO | G5 S3, SC, BLM/SWAP Tier 1/USFS |
| | | Branta canadensis | Canada Goose | | CPW Production Area, CPW Winter Concentration Area | G5 S5 |
| | | Etheostoma exile | Iowa Darter | | CPW HUC12 Presence | G5 S3, SC, SWAP Tier 2 |
| Timberline | 10 | Fundulus sciadicus | Plains Topminnow | | CPW HUC12 Presence | G4 S4, SWAP Tier 1 |
| | | Hybognathus hankinsoni | Brassy Minnow | | CPW HUC12 Presence | G5 S3, ST, SWAP Tier 1 |
| | | Lepomis humilis | Orangespotted Sunfish | | CPW HUC12 Presence | G5 S5, SWAP Tier 1 |
| | | Odocoileus virginianus | White-tailed Deer | | CPW Concentration Area | G5 S5 |
| | | Puma concolor | Mountain Lion | | CPW Human Conflict Area | G5 S4 |

| Property | Total # documented occurrences of species of concern within 1 mile | Scientific Name | Common Name | Last Observation | Source | Status |
|----------------------|--|--|-----------------------------|---------------------|----------------------------------|---------------------------------------|
| | | Ursus americanus | Black Bear | | CPW Human Conflict Area | G5 S5 |
| | | Oenothera coloradensis (Gaura neomexicana ssp. coloradensis) | Colorado Butterfly Plant | 1897-99-99 | CNHP EO | G3T2 S1, SWAP Tier 1 |
| | | Lithobates pipiens | Northern Leopard Frog | 1974-05-02 | CNHP EO | G5 S3, SC, BLM/SWAP Tier 1/USFS |
| | | Branta canadensis | Canada Goose | | CPW Winter Concentration Area | G5 S5 |
| | | Etheostoma exile | Iowa Darter | | CPW HUC12 Presence | G5 S3, SC, SWAP Tier 2 |
| | | Fundulus sciadicus | Plains Topminnow | | CPW HUC12 Presence | G4 S4, SWAP Tier 1 |
| Washington School | 11 | Hybognathus hankinsoni | Brassy Minnow | | CPW HUC12 Presence | G5 S3, ST, SWAP Tier 1 |
| | | Lepomis humilis | Orangespotted Sunfish | | CPW HUC12 Presence | G5 S5, SWAP Tier 1 |
| | | Odocoileus hemionus | Mule Deer | | CPW Resident Population Area | G5 S4 |
| | | Odocoileus virginianus | White-tailed Deer | | CPW Concentration Area | G5 S5 |
| | | Puma concolor | Mountain Lion | | CPW Human Conflict Area | G5 S4 |
| | | Ursus americanus | Black Bear | | CPW Human Conflict Area | G5 S5 |
| | | Acorus calamus | Sweet Flag | 1893-07-03 | CNHP EO | G4? S1 |

| Total # documented occurrences of species of concern within | Scientific Name | Common | Last | Source | Status |
|---|--|--|--|--|---|
| 1 mile | | | 1 | | |
| | Lithobates pipiens | Leopard Frog | 1974-05-02 | CNHP EO | G5 S3, SC, BLM/SWAP Tier 1/USFS |
| | Branta canadensis | Canada Goose | | CPW Winter Concentration Area | G5 S5 |
| | Etheostoma exile | Iowa Darter | | CPW HUC12 Presence | G5 S3, SC, SWAP Tier 2 |
| | Fundulus sciadicus | Plains Topminnow | | CPW HUC12 Presence | G4 S4, SWAP Tier 1 |
| 10 | Hybognathus hankinsoni | Brassy Minnow | | CPW HUC12 Presence | G5 S3, ST, SWAP Tier 1 |
| | Lepomis humilis | Orangespotted Sunfish | | CPW HUC12 Presence | G5 S5, SWAP Tier 1 |
| | Odocoileus hemionus | Mule Deer | | CPW Resident Population Area | G5 S4 |
| | Puma concolor | Mountain Lion | | CPW Human Conflict Area | G5 S4 |
| | Ursus americanus | Black Bear | | CPW Fall Concentration, CPW Human Conflict Area | G5 S5 |
| | Acorus calamus | Sweet Flag | 1893-07-03 | CNHP EO | G4? S1 |
| | Meleagris gallopavo | Wild Turkey | | CPW Production Area | G5 S5 |
| 6 | Comus conocio | TIL. | | CPW Highway Crossing, CPW Resident Population Area, CPW Winter | G5 S5 |
| | documented occurrences of species of concern within 1 mile | documented occurrences of species of concern within 1 mile Scientific Name Lithobates pipiens Branta canadensis Etheostoma exile Fundulus sciadicus Hybognathus hankinsoni Lepomis humilis Odocoileus hemionus Puma concolor Ursus americanus Acorus calamus Meleagris gallopavo | documented occurrences of species of concern within 1 mile Lithobates pipiens | documented occurrences of species of concern within 1 mile Lithobates pipiens Northern Leopard Frog | documented occurrences of species of concern within |

| Property | Total # documented occurrences of species of concern within 1 mile | Scientific Name | Common Name | Last Observation | Source | Status |
|----------|--|--|---------------------------------------|---------------------|---|--------------|
| | | Odocoileus hemionus | Mule Deer | | CPW Concentration Area, CPW Highway Crossing, CPW Resident Population Area, CPW Winter Concentration Area | G5 S4 |
| | | Puma concolor | Mountain Lion | | CPW s Conflict Area CPW Human Conflict Area, | G5 S4 |
| | | Ursus americanus | Black Bear | | CPW Summer Concentration Area | G5 S5 |
| | | Cypripedium calceolus ssp. parviflorum (Cypripedium parviflorum) | American Yellow Lady's- slipper | 2010-06-14 | CNHP EO | G5 S2, USFS, |

Table 2. Ecosystem types from Return-on-Investment report for CSU properties.

| Property Name | Agriculture (acres) | Deciduous Forest (acres) | Developed - Low Intensity Urban/Open Space (acres) | Emergent Herbaceous Wetlands (acres) | Evergreen Forest (acres) | Grassland/ Herbaceous (acres) | Open Water (acres) | Scrub/ Shrub (acres) | Woody Wetland (acres) | Diversity of Ecosystem Types |
|--------------------------------------|------------------------|--------------------------------|---|---|--------------------------------|-------------------------------------|--------------------------|----------------------------|-----------------------------|---------------------------------------|
| ARDEC | 1019.41 | 0.09 | 20.87 | 1.11 | 0 | 36.22 | 2.2 | 0 | 1.03 | 7 |
| Arkansas Valley | 84.39 | 0 | 11.12 | 0 | 0 | 0.99 | 0 | 3.68 | 0 | 4 |
| Borden | 0 | 0 | 8.13 | 0 | 45.72 | 14.73 | 0 | 2 | 0 | 4 |
| Boulder | 2.31 | 0 | 0 | 0 | 0 | 0.19 | 0 | 0 | 0 | 2 |
| Buckhorn | 0 | 0 | 0 | 0 | 33.6 | 122.26 | 0 | 4.65 | 0 | 3 |
| Canon City | 0 | 0 | 0.53 | 0 | 0 | 0.01 | 0 | 0.51 | 0 | 3 |
| Central Great Plains | 189.83 | 1.11 | 11.63 | 0 | 0 | 118.08 | 0 | 0 | 0 | 4 |
| East Campus | 0 | 0 | 12.33 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Eastern Colorado Research Station | 331.39 | 2.67 | 25.18 | 0 | 0 | 2585.4 | 0 | 10.4 | 0 | 5 |
| Edward | 0 | 0 | 0.16 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Environmental Learning Center | 20.52 | 0.28 | 13.07 | 56.86 | 0 | 10.38 | 29 | 1.05 | 46.9 | 8 |
| Foothills | 91.11 | 1.11 | 137.46 | 34.98 | 0.67 | 839.88 | 66.74 | 120.09 | 15.94 | 9 |
| Fort Morgan | 0 | 0 | 1.47 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Franktown | 0 | 0 | 0.25 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Fruita | 88.04 | 0 | 3.98 | 0 | 0 | 0 | 0 | 1.15 | 0 | 3 |
| Gabbard-Rutledge | 0 | 0 | 15.54 | 10.75 | 0 | 286.55 | 0 | 0 | 0 | 3 |
| Horsetooth | 0 | 0 | 0 | 0 | 112.68 | 1.39 | 0 | 4.23 | 0 | 3 |
| Hort Farm | 60.38 | 0 | 1.32 | 0 | 0 | 0.79 | 0 | 0 | 0 | 3 |
| Main Campus | 5.56 | 0 | 225.64 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Maxwell Ranch | 0 | 1.4 | 0 | 0 | 218.41 | 0.89 | 0 | 168.04 | 0 | 4 |
| Mountain Campus | 0 | 9.18 | 0 | 34.26 | 572.36 | 10.67 | 0 | 478.19 | 73.02 | 6 |

| Property Name | Agriculture (acres) | Deciduous Forest (acres) | Developed - Low Intensity Urban/Open Space (acres) | Emergent Herbaceous Wetlands (acres) | Evergreen Forest (acres) | Grassland/ Herbaceous (acres) | Open Water (acres) | Scrub/ Shrub (acres) | Woody Wetland (acres) | Diversity of Ecosystem Types |
|-----------------------------------|------------------------|--------------------------------|---|---|--------------------------------|-------------------------------------|--------------------------|----------------------------|-----------------------------|---------------------------------------|
| Northern Colo | | | | | | | | | | |
| Research | | | | | | | | | | |
| Demonstration | | | | | | | | | | |
| Center | 36.9 | 0 | 2.74 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Orchard Mesa | 71.4 | 0 | 5.13 | 0 | 0 | 0 | 0 | 2.9 | 0 | 3 |
| Rogers Mesa | 57.85 | 0.03 | 2.19 | 0 | 0.41 | 0 | 0 | 23.29 | 0 | 5 |
| San Luis Valley | 271.47 | 0 | 7.12 | 0 | 0 | 0 | 0 | 35.22 | 1.07 | 4 |
| South Campus | 0 | 0 | 113.08 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Southeast Colo Research Center | 0.21 | 0 | 0.49 | 0 | 0 | 1.08 | 0 | 0 | 0 | 3 |
| Southwest Colo Research Center | 148.71 | 0 | 9.39 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Timberline | 0 | 0 | 2.06 | 0 | 0 | 0.64 | 0 | 0 | 0 | 2 |
| Washington School | 0 | 0 | 1.23 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| West Campus | 0 | 0 | 26.87 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Woodland Park | 0 | 0 | 0.6 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| TOTAL | 2479.48 | 15.87 | 659.58 | 137.96 | 983.85 | 4030.15 | 97.94 | 855.4 | 137.96 | |

Table 3. Return-on-Investment approximate annual economic benefits provided by ecosystem services and National Wetland Inventory results for CSU properties.

| of C30 properties. | | I | | |
|--|-----------|-------------|------------------------------|--------------------------------|
| Property Name | Low Value | High Value | Total NWI Wetland (acres) | Diversity of NWI Wetland Types |
| ARDEC | \$155,717 | \$407,409 | 43.17 | 6 |
| Arkansas Valley | \$14,765 | \$54,618 | 12.2 | 2 |
| Borden | \$25,290 | \$69,718 | 0 | 0 |
| Boulder | \$347 | \$838 | 0 | 0 |
| Buckhorn | \$28,903 | \$60,510 | 13.46 | 1 |
| Canon City | \$137 | \$1,445 | 0 | 0 |
| Central Great Plains | \$42,124 | \$109,604 | 12.69 | 3 |
| East Campus | \$2,942 | \$24,671 | 0 | 0 |
| Eastern Colorado Research Station | \$271,105 | \$613,766 | 59.34 | 2 |
| Edward | \$38 | \$320 | 0 | 0 |
| Environmental Learning Center | \$115,102 | \$196,785 | 658.7 | 18 |
| Foothills | \$203,651 | \$637,021 | 117.82 | 17 |
| Fort Morgan | \$351 | \$2,941 | 0 | 0 |
| Franktown | \$60 | \$500 | 0 | 0 |
| Fruita | \$13,428 | \$39,538 | 12.09 | 2 |
| Gabbard-Rutledge | \$44,131 | \$95,193 | 19.84 | 6 |
| Horsetooth | \$53,875 | \$125,306 | 9.86 | 1 |
| Hort Farm | \$8,942 | \$23,837 | 0 | 0 |
| Main Campus | \$54,627 | \$453,423 | 1.18 | 2 |
| Maxwell Ranch | \$107,816 | \$364,156 | 7.91 | 2 |
| Mountain Campus | \$390,277 | \$1,146,313 | 583.33 | 6 |
| Northern Colo Research Demonstration Center | \$5,875 | \$18,354 | 0 | 0 |
| Orchard Mesa | \$11,380 | \$37,349 | 1.85 | 1 |
| Rogers Mesa | \$9,342 | \$42,531 | 7.43 | 2 |

| Property Name | Low Value | High Value | Total NWI Wetland (acres) | Diversity of NWI Wetland Types |
|--------------------------------|-------------|-------------|------------------------------|-----------------------------------|
| San Luis Valley | \$41,785 | \$136,954 | 104.63 | 2 |
| South Campus | \$26,982 | \$226,262 | 23.98 | 7 |
| Southeast Colo Research Center | \$260 | \$1,236 | 0 | 0 |
| Southwest Colo Research Center | \$23,283 | \$70,661 | 2.02 | 1 |
| Timberline | \$559 | \$4,230 | 0 | 0 |
| Washington School | \$293 | \$2,461 | 0 | 0 |
| West Campus | \$6,411 | \$53,764 | 18.3 | 2 |
| Woodland Park | \$143 | \$1,201 | 0 | 0 |
| TOTAL | \$1,659,941 | \$5,022,915 | 1709.8 | |

Table 4. Results of the COMaP analysis of each CSU-owned property within a 4-mile buffer. The percentage of each property within 67 management classes is returned. Note for the Maxwell property, 44% of the property is within WY and no COMaP data is available to complete the analysis. Colors indicate groupings by agencies.

| Management Code | Legend Category | Management Description | ARDEC | Arkansas Valley | Borden | Boulder | Buckhorn | Canon City |
|--------------------|-------------------------------|---|-------|--------------------|--------|---------|----------|---------------|
| | Misc Federal (BOR, | | | | | | | |
| 10300 | DOD, Misc) | Department of Commerce | | | | 0.08 | | |
| 11000 | BLM | BLM - General | 0.02 | 0.19 | | 0.12 | | 10.00 |
| 11100 | BLM | Area of Critical Environmental Concern | | | | | | 5.6 |
| 11300 | BLM | National Conservation Area | | | | | | |
| 11320 | BLM | Wilderness/National Conservation Area | | | | | | |
| 12000 | Misc Federal (BOR, DOD, Misc) | Bureau of Reclamation (BOR) | | | | | | |
| 13400 | USFWS | Conservation Easement | | | | | | |
| 13500 | USFWS | National Fish Hatchery | | | | | | |
| 14000 | USFS | US Forest Service - General | | | | | | |
| 14010 | USFS | National Forest - General | | | 26.70 | | 67.00 | 5.90 |
| 14100 | USFS | National Forest Wilderness | | | 2.86 | | 16.70 | |
| 14101 | USFS | National Forest Wilderness/National Wild and Scenic River | | | | | 2.67 | |
| 14420 | USFS | Scenic Areas | | | | | | |
| 14440 | USFS | National Wild and Scenic River | | | 0.05 | | 3.10 | |
| 15010 | Misc Federal (BOR, DOD, Misc) | DOD Recreation Area | | | | | | |
| 16100 | NPS | National Park | | | | | | |
| 16110 | NPS | National Park - Wilderness Area | | | | | | |
| 16200 | NPS | National Monument | | | | | | |
| 31000 | State | State Parks | | | | | | 0.65 |
| 32000 | State | State Land Board | 3.60 | 3.06 | | | | 0.32 |

| Management Code | Legend Category | Management Description | ARDEC | Arkansas Valley | Borden | Boulder | Buckhorn | Canon City |
|--------------------|-----------------|--|-------|--------------------|---------|---------|----------|---------------|
| Code | Legena category | State Land Board Stewardship Trust | ANDLO | valicy | Doracii | Dodiaci | Ducknorn | City |
| 32100 | State | Land | | | | | | |
| 33100 | State | State Wildlife Area | 4.80 | 3.90 | 1.59 | | | |
| 33200 | State | State Fish Hatchery/Unit | | | | | | |
| 33300 | State | State Administrative Area | 0.05 | | | | | 0.24 |
| 33400 | State | State Habitat Area | | | | | | |
| 33900 | State | State Land Board Public Access Program - Seasonal Access | | | | | | |
| 34000 | State | State University - General | | | | | | |
| 34100 | State | State University - Special Management | 1.64 | | | | | |
| 39000 | State | Colorado Department of Transportation | | | | | | |
| 51000 | Local | City Land - General | 0.03 | | | 1.24 | | |
| 51100 | Local | City Parks | 0.03 | | | 0.62 | | |
| 51110 | Local | City Dog Parks | | | | | | |
| 51120 | Local | City Golf Course | | | | | | |
| 51140 | Local | City Sport Facility/Recreation Center | | | | | | |
| 51200 | Local | City Museum | | | | | | |
| 51210 | Local | City Cemetery | | | | | | |
| 51220 | Local | City Fairgrounds | | | | | | |
| 51300 | Local | City Natural Area | | | | | | |
| 51310 | Local | City Nature Center/Preserve | | | | | | |
| 51400 | Local | City Forestland | | | | | | |
| 51500 | Local | City Greenbelt | | | | | | |
| 51710 | Local | City Stormwater Area/Channel/Detention Pond | 0.01 | | | 0.00 | | |
| 51800 | Local | City Public Works/Facilities | 0.85 | | | | | |
| 51999 | Local | City Land - Unknown | 2.22 | | | | 1.25 | |

| Management | 1 | Name and Description | 40050 | Arkansas | Davidan | Davidan | Buckhorn | Canon |
|-------------------|-------------------------|--|-------|----------|---------|------------------|----------|-------|
| Code 52000 | Legend Category Local | Management Description County Land - General | ARDEC | Valley | Borden | Boulder 36.80 | Bucknorn | City |
| 52100 | Local | County Parks | | | | 30.00 | | |
| 52220 | Local | County Fairgrounds | | | | | | |
| 52300 | Local | County Natural Area | | | | | | |
| 52600 | Local | County Trail/Trail Access | | | | | | |
| 52800 | Local | County Public Works/Facilities | | | | | | |
| 52999 | Local | County Land - Unknown | 0.01 | | | | | |
| 53999 | Local | Joint City/County Land - Unknown | 0.00 | | | | | |
| 55000 | Local | School District Land - General | 0.35 | | 0.01 | | | |
| 55100 | Local | School District Parks | | | | | | |
| 55140 | Local | School District Sport Facility/Recreation Center | | | | | | |
| 55800 | Local | School District Public Works/Facilities | | | | | | |
| 56000 | Local | Other Special District Land - General | 0.97 | | | | | |
| 60000 | NGO/Land Trust | Non-Governmental Lands | | | | | | |
| 61000 | NGO/Land Trust | National Land Trust Lands | | | | | | |
| 70000 | Private | Private Land - No Protection | 79.00 | 88.40 | 66.40 | 44.80 | 9.30 | 75.00 |
| 71000 | Private Conservation | Private Land (w/ Protection) | 0.59 | 4.40 | 2.00 | 16.30 | | 1.68 |
| 71010 | Private Conservation | Private Land (w/ Protection) - Building Envelope | 1.57 | | 0.15 | 0.03 | | |
| 71020 | Private Conservation | Private Land (w/ Protection) - Outlot | 4.30 | | 0.18 | 0.00 | | |
| 71100 | Private Conservation | Private Park | | | | | | |
| 71120 | Private Conservation | Privately Owned Golf Course | | | | | | |
| 71210 | Private Conservation | Privately Owned Cemetery | | | | | | |

| Management Code | Legend Category | Management Description | ARDEC | Arkansas Valley | Borden | Boulder | Buckhorn | Canon City |
|--------------------|-----------------|----------------------------|-------|--------------------|--------|---------|----------|---------------|
| | Private | | | | | | | |
| 71300 | Conservation | Private Natural Area | | | | | | |
| | Private | | | | | | | |
| 71600 | Conservation | Private Trail/Trail Access | | | | 0.00 | | |
| | | Total | 100 | 100 | 100 | 100 | 100 | 99 |

Table 4. Continued.

| Management Code | Legend Category | Management Description | Central Great Plains | E Colo Res Stat | East Campus | Edward | Environmental Learning Center |
|--------------------|----------------------------------|--|-------------------------|--------------------|----------------|--------|-------------------------------|
| 10300 | Misc Federal (BOR, DOD, Misc) | Department of Commerce | | | | | |
| 11000 | BLM | BLM - General | | | | | |
| 11100 | BLM | Area of Critical Environmental Concern | | | | | |
| 11300 | BLM | National Conservation Area | | | | | |
| 11320 | BLM | Wilderness/National Conservation Area | | | | | |
| 12000 | Misc Federal (BOR, DOD, Misc) | Bureau of Reclamation (BOR) | | | | | |
| 13400 | USFWS | Conservation Easement | | | | | |
| 13500 | USFWS | National Fish Hatchery | | | | | |
| 14000 | USFS | US Forest Service - General | | | | | |
| 14010 | USFS | National Forest - General | | | | | |
| 14100 | USFS | National Forest Wilderness | | | | | |
| 14101 | USFS | National Forest Wilderness/National Wild and Scenic River | | | | | |
| 14420 | USFS | Scenic Areas | | | | | |
| 14440 | USFS | National Wild and Scenic River | | | | | |

| Management Code | Legend Category | Management Description | Central Great Plains | E Colo Res Stat | East Campus | Edward | Environmental Learning Center |
|--------------------|----------------------------------|--|-------------------------|--------------------|----------------|--------|----------------------------------|
| 15010 | Misc Federal (BOR, DOD, Misc) | DOD Recreation Area | | | | | |
| 16100 | NPS | National Park | | | | | |
| 16110 | NPS | National Park - Wilderness Area | | | | | |
| 16200 | NPS | National Monument | | | | | |
| 31000 | State | State Parks | | | | | |
| 32000 | State | State Land Board | 4.45 | 17.60 | 0.28 | 0.29 | 0.13 |
| 32100 | State | State Land Board Stewardship Trust Land | | | | | |
| 33100 | State | State Wildlife Area | | | | | |
| 33200 | State | State Fish Hatchery/Unit | | | | | |
| 33300 | State | State Administrative Area | | | 0.01 | | 0.08 |
| 33400 | State | State Habitat Area | | | | | |
| 33900 | State | State Land Board Public Access Program - Seasonal Access | | | | | |
| 34000 | State | State University - General | | | 2.00 | 1.66 | 1.22 |
| 34100 | State | State University - Special Management | | | 0.53 | | |
| 39000 | State | Colorado Department of Transportation | | | 0.04 | 0.02 | 0.03 |
| 51000 | Local | City Land - General | | | 0.17 | 0.18 | |
| 51100 | Local | City Parks | | | 2.06 | 2.00 | 1.24 |

| Management Code | Legend Category | Management Description | Central Great Plains | E Colo Res Stat | East Campus | Edward | Environmental Learning Center |
|--------------------|-----------------|---|-------------------------|--------------------|----------------|--------|----------------------------------|
| 51110 | Local | City Dog Parks | | | | 0.01 | 0.00 |
| 51120 | Local | City Golf Course | | | 0.67 | 0.64 | 0.69 |
| 51140 | Local | City Sport Facility/Recreation Center | | | | | |
| 51200 | Local | City Museum | | | 0.21 | | |
| 51210 | Local | City Cemetery | | | | 0.22 | 0.07 |
| 51220 | Local | City Fairgrounds | | | | | |
| 51300 | Local | City Natural Area | | | 7.50 | 5.90 | 5.00 |
| 51310 | Local | City Nature Center/Preserve | | | | 0.05 | 0.04 |
| 51400 | Local | City Forestland | | | | | |
| 51500 | Local | City Greenbelt | | | | | |
| 51710 | Local | City Stormwater Area/Channel/Detention Pond | | | 0.14 | 0.10 | 0.11 |
| 51800 | Local | City Public Works/Facilities | | | | 0.02 | |
| 51999 | Local | City Land - Unknown | | | 1.70 | 1.96 | 1.67 |
| 52000 | Local | County Land - General | | | | 0.01 | 0.20 |
| 52100 | Local | County Parks | | | | | |
| 52220 | Local | County Fairgrounds | | | | | |
| 52300 | Local | County Natural Area | | | | | 0.01 |

| Management Code | Legend Category | Management Description | Central Great Plains | E Colo Res Stat | East Campus | Edward | Environmental Learning Center |
|--------------------|----------------------|---|-------------------------|--------------------|----------------|--------|----------------------------------|
| 52600 | Local | County Trail/Trail Access | | | | | 0.00 |
| 52800 | Local | County Public Works/Facilities | | | | | |
| 52999 | Local | County Land - Unknown | | | 0.21 | 0.22 | 0.13 |
| 53999 | Local | Joint City/County Land - Unknown | | | 0.05 | 0.03 | 0.39 |
| 55000 | Local | School District Land - General | | | 1.74 | 1.70 | 1.50 |
| 55100 | Local | School District Parks | | | | 0.02 | 0.02 |
| 55140 | Local | School District Sport Facility/Recreation Center | | | | | |
| 55800 | Local | School District Public Works/Facilities | | | | | |
| 56000 | Local | Other Special District Land - General | | | | 0.03 | 0.42 |
| 60000 | NGO/Land Trust | Non-Governmental Lands | | | | | 0.49 |
| 61000 | NGO/Land Trust | National Land Trust Lands | | | | | |
| 70000 | Private | Private Land - No Protection | 95.56 | 76.40 | 82.30 | 84.60 | 85.20 |
| 71000 | Private Conservation | Private Land (w/ Protection) | | 6.04 | 0.08 | 0.13 | 0.73 |
| 71010 | Private Conservation | Private Land (w/ Protection) - Building Envelope | | | | | 0.23 |
| 71020 | Private Conservation | Private Land (w/ Protection) - Outlot | | | | | 0.37 |
| 71100 | Private Conservation | Private Park | | | | | |
| 71120 | Private Conservation | Privately Owned Golf Course | | | | | |

| Management Code | Legend Category | Management Description | Central Great Plains | E Colo Res Stat | East Campus | Edward | Environmental Learning Center |
|--------------------|----------------------|----------------------------|-------------------------|--------------------|----------------|--------|----------------------------------|
| 71210 | Private Conservation | Privately Owned Cemetery | | | | | 0.01 |
| 71300 | Private Conservation | Private Natural Area | | | 0.21 | 0.22 | |
| 71600 | Private Conservation | Private Trail/Trail Access | | | | | |
| | | Total | 100 | 100 | 100 | 100 | 100 |

Table 4. Continued.

| Management | | | | Fort | | | |
|------------|--------------------|--|-----------|--------|-----------|--------|-------------------|
| Code | Legend Category | Management Description | Foothills | Morgan | Franktown | Fruita | Gabbard- Rutledge |
| | Misc Federal (BOR, | | | | | | |
| 10300 | DOD, Misc) | Department of Commerce | | | | | |
| 11000 | BLM | BLM - General | | | | 11.10 | 0.36 |
| 11100 | BLM | Area of Critical Environmental Concern | | | | | |
| 11300 | BLM | National Conservation Area | | | | 1.55 | |
| 11320 | BLM | Wilderness/National Conservation Area | | | | | |
| | Misc Federal (BOR, | | | | | | |
| 12000 | DOD, Misc) | Bureau of Reclamation (BOR) | | | | 0.90 | |
| 13400 | USFWS | Conservation Easement | | | | 0.05 | |
| 13500 | USFWS | National Fish Hatchery | | | | | |
| 14000 | USFS | US Forest Service - General | | | | | |
| 14010 | USFS | National Forest - General | | | | | |
| 14100 | USFS | National Forest Wilderness | | | | | |
| | | National Forest Wilderness/National | | | | | |
| 14101 | USFS | Wild and Scenic River | | | | | |
| 14420 | USFS | Scenic Areas | | | | | |
| 14440 | USFS | National Wild and Scenic River | | | | | |
| | Misc Federal (BOR, | | | | | | |
| 15010 | DOD, Misc) | DOD Recreation Area | | | | | |
| 16100 | NPS | National Park | | | | | |
| 16110 | NPS | National Park - Wilderness Area | | | | | |
| 16200 | NPS | National Monument | | | | | |
| 31000 | State | State Parks | 4.70 | | | 0.42 | |
| 32000 | State | State Land Board | 0.17 | 0.55 | 5.70 | | 3.60 |
| | | State Land Board Stewardship Trust | | | | | |
| 32100 | State | Land | | | | | 0.00 |
| 33100 | State | State Wildlife Area | 0.08 | 0.14 | 5.20 | 1.05 | 2.00 |

| Management Code | Legend Category | Management Description | Foothills | Fort Morgan | Franktown | Fruita | Gabbard- Rutledge |
|--------------------|-----------------|---|-----------|----------------|-----------|--------|-------------------|
| 33200 | State | State Fish Hatchery/Unit | 0.37 | | | | |
| 33300 | State | State Administrative Area | 0.09 | | 0.44 | | |
| 33400 | State | State Habitat Area | | | 1.28 | | |
| 33900 | State | State Land Board Public Access Program - Seasonal Access | | | | | 1.42 |
| 34000 | State | State University - General | 1.02 | | | | |
| 34100 | State | State University - Special Management | | | | | |
| 39000 | State | Colorado Department of Transportation | | | | 0.01 | |
| 51000 | Local | City Land - General | | 1.13 | 1.13 | 0.09 | |
| 51100 | Local | City Parks | 1.00 | | | 0.10 | |
| 51110 | Local | City Dog Parks | 0.01 | | | | |
| 51120 | Local | City Golf Course | 0.10 | | | | |
| 51140 | Local | City Sport Facility/Recreation Center | | | | | |
| 51200 | Local | City Museum | | | | | |
| 51210 | Local | City Cemetery | 0.08 | | | | |
| 51220 | Local | City Fairgrounds | | | | | |
| 51300 | Local | City Natural Area | 6.70 | | | 0.41 | |
| 51310 | Local | City Nature Center/Preserve | | | | | |
| 51400 | Local | City Forestland | | | | | |
| 51500 | Local | City Greenbelt | | | | 0.09 | |
| 51710 | Local | City Stormwater Area/Channel/Detention Pond | 0.02 | | | | |
| 51800 | Local | City Public Works/Facilities | | | | 0.07 | |
| 51999 | Local | City Land - Unknown | 1.08 | | | | 1.00 |
| 52000 | Local | County Land - General | 8.70 | | | | |
| 52100 | Local | County Parks | 3.60 | | | | |
| 52220 | Local | County Fairgrounds | | | | | |

| Management | | | | Fort | | | |
|------------|-------------------------|--|-----------|--------|-----------|--------|-------------------|
| Code | Legend Category | Management Description | Foothills | Morgan | Franktown | Fruita | Gabbard- Rutledge |
| 52300 | Local | County Natural Area | 0.25 | | | | |
| 52600 | Local | County Trail/Trail Access | | | | | |
| 52800 | Local | County Public Works/Facilities | 0.80 | | + | | |
| 52999 | Local | County Land - Unknown | 0.07 | | | | 0.00 |
| 53999 | Local | Joint City/County Land - Unknown | 0.01 | | | | 0.02 |
| 55000 | Local | School District Land - General | 0.70 | | | 0.06 | 0.09 |
| 55100 | Local | School District Parks | 0.01 | | | 0.05 | |
| 55140 | Local | School District Sport Facility/Recreation Center | | | | 0.11 | |
| 55800 | Local | School District Public Works/Facilities | | | | 0.05 | |
| 56000 | Local | Other Special District Land - General | 0.00 | | | 0.03 | 4.40 |
| 60000 | NGO/Land Trust | Non-Governmental Lands | | | | | |
| 61000 | NGO/Land Trust | National Land Trust Lands | | | | | |
| 70000 | Private | Private Land - No Protection | 69.00 | 97.73 | 85.79 | 80.70 | 82.30 |
| | Private | | | | | | |
| 71000 | Conservation | Private Land (w/ Protection) | 0.92 | 0.45 | 0.46 | 1.35 | 1.26 |
| | Private | Private Land (w/ Protection) - Building | | | | | |
| 71010 | Conservation | Envelope | 0.03 | | | 0.03 | 1.00 |
| | Private | | | | | | |
| 71020 | Conservation | Private Land (w/ Protection) - Outlot | 0.33 | | | 0.62 | 2.45 |
| | Private | | | | | | |
| 71100 | Conservation | Private Park | 0.01 | | | | |
| 74420 | Private | Di ala Calca | | | | 4.67 | |
| 71120 | Conservation | Privately Owned Golf Course | | | | 1.07 | |
| 71210 | Private | British Coursed Correctors | 0.00 | | | 0.05 | |
| 71210 | Conservation | Privately Owned Cemetery | 0.00 | | _ | 0.05 | |
| 71300 | Private Conservation | Private Natural Area | 0.13 | | | | |

| Management Code | Legend Category | Management Description | Foothills | Fort Morgan | Franktown | Fruita | Gabbard- Rutledge |
|--------------------|-----------------|----------------------------|-----------|----------------|-----------|--------|-------------------|
| | Private | | | | | | |
| 71600 | Conservation | Private Trail/Trail Access | | | | | |
| | | Total | 100 | 100 | 100 | 100 | 100 |

Table 4. Continued.

| Management Code | Largeryd Cotagony | Management Description | Horsetooth | Hort Farm | Main | Maxwell Ranch | Mountain | N Colo Res Demo Cntr |
|--------------------|------------------------------------|---|------------|--------------|--------|------------------|----------|-------------------------------|
| Code | Legend Category Misc Federal (BOR, | Management Description | Horsetooth | raiiii | Campus | Kanch | Campus | Citti |
| 10300 | DOD, Misc) | Department of Commerce | | | | | | |
| 11000 | BLM | BLM - General | | | | | | |
| 11100 | BLM | Area of Critical Environmental Concern | | | | | | |
| 11300 | BLM | National Conservation Area | | | | | | |
| 11320 | BLM | Wilderness/National Conservation Area | | | | | | |
| 12000 | Misc Federal (BOR, DOD, Misc) | Bureau of Reclamation (BOR) | | | | | | |
| 13400 | USFWS | Conservation Easement | | | | | | |
| 13500 | USFWS | National Fish Hatchery | | | | | | |
| 14000 | USFS | US Forest Service - General | | | | 32.10 | | |
| 14010 | USFS | National Forest - General | 0.28 | | | | 24.23 | |
| 14100 | USFS | National Forest Wilderness | | | | | 46.34 | |
| 14101 | USFS | National Forest Wilderness/National Wild and Scenic River | | | | | | |
| 14420 | USFS | Scenic Areas | | | | | | |
| 14440 | USFS | National Wild and Scenic River | | | | | 2.40 | |
| 15010 | Misc Federal (BOR, DOD, Misc) | DOD Recreation Area | | | | | | |
| 16100 | NPS | National Park | | | | | 0.93 | |
| 16110 | NPS | National Park - Wilderness Area | | | | | 19.52 | |
| 16200 | NPS | National Monument | | | | | | |
| 31000 | State | State Parks | 6.41 | | 0.30 | | | |
| 32000 | State | State Land Board | | 2.23 | 0.23 | | | |
| 32100 | State | State Land Board Stewardship Trust Land | | | | | | |

| Management Code | Legend Category | Management Description | Horsetooth | Hort Farm | Main Campus | Maxwell Ranch | Mountain Campus | N Colo Res Demo Cntr |
|--------------------|-----------------|---|------------|--------------|----------------|------------------|--------------------|-------------------------------|
| 33100 | State | State Wildlife Area | | 0.86 | | 0.68 | | 0.20 |
| 33200 | State | State Fish Hatchery/Unit | | | | | | |
| 33300 | State | State Administrative Area | 0.11 | 0.08 | 0.12 | | | |
| 33400 | State | State Habitat Area | | | | | | |
| 33900 | State | State Land Board Public Access Program - Seasonal Access | | | | | | |
| 34000 | State | State University - General | 0.47 | 0.39 | 1.58 | | | |
| 34100 | State | State University - Special Management | | 2.06 | | 1.51 | 2.64 | |
| | | Colorado Department of | | | | | | |
| 39000 | State | Transportation | | 0.04 | 0.03 | | | |
| 51000 | Local | City Land - General | 0.02 | | 0.14 | | | |
| 51100 | Local | City Parks | 0.37 | 0.13 | 1.67 | | | 0.56 |
| 51110 | Local | City Dog Parks | 0.01 | | 0.01 | | | |
| 51120 | Local | City Golf Course | | | 0.56 | | | |
| 51140 | Local | City Sport Facility/Recreation Center | | | | | | 0.14 |
| 51200 | Local | City Museum | | | | | | 0.00 |
| 51210 | Local | City Cemetery | | 0.08 | 0.17 | | | 0.19 |
| 51220 | Local | City Fairgrounds | | | | | | |
| 51300 | Local | City Natural Area | 5.89 | 3.40 | 8.45 | | | 0.05 |
| 51310 | Local | City Nature Center/Preserve | | 0.04 | 0.04 | | | |
| 51400 | Local | City Forestland | | | | | | |
| 51500 | Local | City Greenbelt | | | | | | |
| 51710 | Local | City Stormwater Area/Channel/Detention Pond | 0.00 | 0.04 | 0.12 | | | |
| 51800 | Local | City Public Works/Facilities | | 1.25 | | | | |
| 51999 | Local | City Land - Unknown | 0.42 | 4.20 | 1.69 | | | |
| 52000 | Local | County Land - General | 11.94 | | 5.41 | | | |

| Management Code | Legend Category | Management Description | Horsetooth | Hort Farm | Main Campus | Maxwell Ranch | Mountain Campus | N Colo Res Demo Cntr |
|--------------------|-------------------------|--|------------|--------------|----------------|------------------|--------------------|-------------------------------|
| 52100 | Local | County Parks | 4.84 | | 0.16 | | | |
| 52220 | Local | County Fairgrounds | | | | | | |
| 52300 | Local | County Natural Area | 0.65 | | | | | |
| 52600 | Local | County Trail/Trail Access | | | | | | |
| 52800 | Local | County Public Works/Facilities | 0.01 | | | | | |
| 52999 | Local | County Land - Unknown | 0.01 | 0.13 | 0.17 | | | |
| 53999 | Local | Joint City/County Land - Unknown | | 0.02 | 0.02 | | | |
| 55000 | Local | School District Land - General | 0.11 | 0.62 | 1.42 | | | |
| 55100 | Local | School District Parks | | | 0.02 | | | |
| 55140 | Local | School District Sport Facility/Recreation Center | | | | | | |
| 55800 | Local | School District Public Works/Facilities | | | | | | |
| 56000 | Local | Other Special District Land - General | 0.12 | 0.03 | 0.02 | | | |
| 60000 | NGO/Land Trust | Non-Governmental Lands | | | | | | |
| 61000 | NGO/Land Trust | National Land Trust Lands | | | | 0.18 | | |
| 70000 | Private | Private Land - No Protection | 59.54 | 79.54 | 77.25 | 21.40 | 3.94 | 98.90 |
| 71000 | Private Conservation | Private Land (w/ Protection) | 3.79 | 0.39 | 0.11 | 0.47 | | |
| 71010 | Private Conservation | Private Land (w/ Protection) - Building Envelope | 0.85 | 1.00 | 0.03 | | | |
| 71020 | Private Conservation | Private Land (w/ Protection) - Outlot | 3.98 | 3.47 | 0.11 | | | |
| 71100 | Private Conservation | Private Park | | | | | | |
| 71120 | Private Conservation | Privately Owned Golf Course | | | | | | |
| 71210 | Private Conservation | Privately Owned Cemetery | | | 0.01 | | | |

| Management Code | Legend Category | Management Description | Horsetooth | Hort Farm | Main Campus | Maxwell Ranch | Mountain Campus | N Colo Res Demo Cntr |
|--------------------|-----------------|----------------------------|------------|--------------|----------------|------------------|--------------------|-------------------------------|
| | Private | | | | | | | |
| 71300 | Conservation | Private Natural Area | 0.18 | | 0.17 | | | |
| | Private | | | | | | | |
| 71600 | Conservation | Private Trail/Trail Access | | | | | | |
| | | Total | 100 | 100 | 100 | 56 | 100 | 100 |

Table 4. Continued.

| Management | | | Orchard | Rogers | San Luis | South | Southeast |
|------------|------------------------|--|---------|--------|----------|--------|---------------|
| Code | Legend Category | Management Description | Mesa | Mesa | Valley | Campus | Colo Res Cntr |
| | Misc Federal (BOR, | | | | | | |
| 10300 | DOD, Misc) | Department of Commerce | | | | | |
| 11000 | BLM | BLM - General | 17.80 | 8.20 | | | |
| 11100 | BLM | Area of Critical Environmental Concern | | | | | |
| 11300 | BLM | National Conservation Area | | 10.00 | | | |
| 11320 | BLM | Wilderness/National Conservation Area | | 0.95 | | | |
| | Misc Federal (BOR, | | | | | | |
| 12000 | DOD, Misc) | Bureau of Reclamation (BOR) | 0.18 | | | | |
| 13400 | USFWS | Conservation Easement | 0.06 | | | | |
| 13500 | USFWS | National Fish Hatchery | | 0.40 | | | |
| 14000 | USFS | US Forest Service - General | | | | | |
| 14010 | USFS | National Forest - General | | | | | |
| 14100 | USFS | National Forest Wilderness | | | | | |
| | | National Forest Wilderness/National | | | | | |
| 14101 | USFS | Wild and Scenic River | | | | | |
| 14420 | USFS | Scenic Areas | | | | | |
| 14440 | USFS | National Wild and Scenic River | | | | | |
| | Misc Federal (BOR, | | | | | | |
| 15010 | DOD, Misc) | DOD Recreation Area | | | | | |
| 16100 | NPS | National Park | | | | | |
| 16110 | NPS | National Park - Wilderness Area | | | | | |
| 16200 | NPS | National Monument | | | | | |
| 31000 | State | State Parks | 1.00 | | | | |
| 32000 | State | State Land Board | 0.03 | | | 0.23 | |
| | | State Land Board Stewardship Trust | | | | | |
| 32100 | State | Land | | | | | |
| 33100 | State | State Wildlife Area | 0.70 | | | | |

| Management | | | Orchard | Rogers | San Luis | South | Southeast |
|------------|-----------------|--|---------|--------|----------|--------|---------------|
| Code | Legend Category | Management Description | Mesa | Mesa | Valley | Campus | Colo Res Cntr |
| 33200 | State | State Fish Hatchery/Unit | | | | | |
| 33300 | State | State Administrative Area | | | | | |
| 33400 | State | State Habitat Area | | 1.10 | | 0.01 | |
| 33900 | State | State Land Board Public Access Program - Seasonal Access | | | | | |
| 34000 | State | State University - General | | | | 1.56 | |
| 34100 | State | State University - Special Management | | | | | |
| 39000 | State | Colorado Department of Transportation | | | | 0.04 | |
| 51000 | Local | City Land - General | | 0.17 | | 0.15 | |
| 51100 | Local | City Parks | | | | 2.03 | |
| 51110 | Local | City Dog Parks | | | | 0.01 | |
| 51120 | Local | City Golf Course | | | | 0.87 | |
| 51140 | Local | City Sport Facility/Recreation Center | | | | | |
| 51200 | Local | City Museum | | | | | |
| 51210 | Local | City Cemetery | | | | | |
| 51220 | Local | City Fairgrounds | | | | 0.18 | |
| 51300 | Local | City Natural Area | | | | 10.24 | |
| 51310 | Local | City Nature Center/Preserve | | | | 0.04 | |
| 51400 | Local | City Forestland | | | | | |
| 51500 | Local | City Greenbelt | | | | | |
| | | City Stormwater | | | | | |
| 51710 | Local | Area/Channel/Detention Pond | | | | 0.13 | |
| 51800 | Local | City Public Works/Facilities | | | | 4.67 | |
| 51999 | Local | City Land - Unknown | | | | 1.67 | |
| 52000 | Local | County Land - General | 0.67 | | | 3.83 | |
| 52100 | Local | County Parks | | 0.00 | | 0.03 | |
| 52220 | Local | County Fairgrounds | | 0.04 | | | |

| Management | | | Orchard | Rogers | San Luis | South | Southeast |
|------------|-------------------------|--|---------|--------|----------|--------|---------------|
| Code | Legend Category | Management Description | Mesa | Mesa | Valley | Campus | Colo Res Cntr |
| 52300 | Local | County Natural Area | | | | | |
| 52600 | Local | County Trail/Trail Access | | | | | |
| 52800 | Local | County Public Works/Facilities | | | | 0.65 | |
| 52999 | Local | County Land - Unknown | | | | 0.18 | |
| 53999 | Local | Joint City/County Land - Unknown | | | | 0.13 | |
| 55000 | Local | School District Land - General | | | | 1.35 | |
| 55100 | Local | School District Parks | | | | 0.02 | |
| 55140 | Local | School District Sport Facility/Recreation Center | | | | | |
| 55800 | Local | School District Public Works/Facilities | | | | | |
| 56000 | Local | Other Special District Land - General | | | | 0.02 | |
| 60000 | NGO/Land Trust | Non-Governmental Lands | | | | | |
| 61000 | NGO/Land Trust | National Land Trust Lands | | | | | |
| 70000 | Private | Private Land - No Protection | 78.00 | 70.50 | 100.00 | 76.22 | 100.00 |
| | Private | | | | | | |
| 71000 | Conservation | Private Land (w/ Protection) | 1.25 | 8.70 | | 0.07 | |
| | Private | Private Land (w/ Protection) - Building | | | | | |
| 71010 | Conservation | Envelope | 0.01 | | | 0.03 | |
| | Private | | | | | | |
| 71020 | Conservation | Private Land (w/ Protection) - Outlot | 0.30 | | | 0.14 | |
| | Private | | | | | | |
| 71100 | Conservation | Private Park | | | | | |
| | Private | | | | | | |
| 71120 | Conservation | Privately Owned Golf Course | | | | | |
| 74240 | Private | Duit and also Course of Course down | | | | 0.01 | |
| 71210 | Conservation | Privately Owned Cemetery | | | | 0.01 | |
| 71300 | Private Conservation | Private Natural Area | | | | 0.18 | |

| Management Code | Legend Category | Management Description | Orchard Mesa | Rogers Mesa | San Luis Valley | South Campus | Southeast Colo Res Cntr |
|--------------------|-----------------|----------------------------|-----------------|----------------|--------------------|-----------------|----------------------------|
| | Private | | | | | | |
| 71600 | Conservation | Private Trail/Trail Access | | | | | |
| | | Total | 100 | 100 | 100 | 100 | 100 |

Table 4. Continued.

| Management Code | Logand Catagoni | Management Description | Southwest Colo Res Cntr | Timberline | Washington School | West | Woodland Park |
|--------------------|------------------------------------|---|----------------------------|------------|----------------------|--------|------------------|
| Code | Legend Category Misc Federal (BOR, | Management Description | Colo Res Chtr | Timberline | School | Campus | Park |
| 10300 | DOD, Misc) | Department of Commerce | | | | | |
| 11000 | BLM | BLM - General | | | | | 0.12 |
| 11100 | BLM | Area of Critical Environmental Concern | | | | | |
| 11300 | BLM | National Conservation Area | | | | | |
| 11320 | BLM | Wilderness/National Conservation Area | | | | | |
| | Misc Federal (BOR, | | | | | | |
| 12000 | DOD, Misc) | Bureau of Reclamation (BOR) | | | | | |
| 13400 | USFWS | Conservation Easement | | | | | |
| 13500 | USFWS | National Fish Hatchery | | | | | |
| 14000 | USFS | US Forest Service - General | | | | | |
| 14010 | USFS | National Forest - General | | | | | 41.20 |
| 14100 | USFS | National Forest Wilderness | | | | | |
| 14101 | USFS | National Forest Wilderness/National Wild and Scenic River | | | | | |
| 14420 | USFS | Scenic Areas | | | | | 2.14 |
| 14440 | USFS | National Wild and Scenic River | | | | | |
| 15010 | Misc Federal (BOR, DOD, Misc) | DOD Recreation Area | | | | | 2.12 |
| 16100 | NPS | National Park | | | | | |
| 16110 | NPS | National Park - Wilderness Area | | | | | |
| 16200 | NPS | National Monument | 8.50 | | | | |
| 31000 | State | State Parks | | | 0.10 | 2.73 | |
| 32000 | State | State Land Board | | 0.06 | 0.29 | 0.26 | 0.00 |
| 32100 | State | State Land Board Stewardship Trust Land | | | | | |
| 33100 | State | State Wildlife Area | | | | | |

| Management | | | Southwest | | Washington | West | Woodland |
|------------|-----------------|---------------------------------------|---------------|------------|------------|--------|----------|
| Code | Legend Category | Management Description | Colo Res Cntr | Timberline | School | Campus | Park |
| 33200 | State | State Fish Hatchery/Unit | | | | | |
| 33300 | State | State Administrative Area | | 0.01 | | 0.13 | |
| 33400 | State | State Habitat Area | | | 0.15 | | |
| | | State Land Board Public Access | | | | | |
| 33900 | State | Program - Seasonal Access | | | | | |
| 34000 | State | State University - General | | 1.55 | 1.71 | 1.53 | |
| 34100 | State | State University - Special Management | | | | | |
| | | Colorado Department of | | | | | |
| 39000 | State | Transportation | | 0.04 | | | |
| 51000 | Local | City Land - General | | | 0.18 | 0.16 | |
| 51100 | Local | City Parks | | 1.68 | 1.90 | 1.75 | |
| 51110 | Local | City Dog Parks | | 0.00 | 0.01 | 0.01 | |
| 51120 | Local | City Golf Course | | | 0.18 | 0.47 | |
| 51140 | Local | City Sport Facility/Recreation Center | | | | | |
| 51200 | Local | City Museum | | | | | |
| 51210 | Local | City Cemetery | | 0.09 | 0.22 | 0.19 | |
| 51220 | Local | City Fairgrounds | | | | | |
| 51300 | Local | City Natural Area | | | 7.29 | 7.79 | |
| 51310 | Local | City Nature Center/Preserve | | 7.72 | 0.05 | 0.04 | |
| 51400 | Local | City Forestland | | 0.05 | | | |
| 51500 | Local | City Greenbelt | | | | | |
| | | City Stormwater | | | | | |
| 51710 | Local | Area/Channel/Detention Pond | | 0.14 | 0.10 | 0.09 | |
| 51800 | Local | City Public Works/Facilities | | | | | |
| 51999 | Local | City Land - Unknown | | 1.23 | 1.78 | 1.68 | |
| 52000 | Local | County Land - General | | 0.44 | 5.04 | 7.96 | |
| 52100 | Local | County Parks | | | 0.03 | 1.07 | |
| 52220 | Local | County Fairgrounds | | | | | |

| Management | | | Southwest | | Washington | West | Woodland |
|------------|-------------------------|--|---------------|------------|------------|--------|----------|
| Code | Legend Category | Management Description | Colo Res Cntr | Timberline | School | Campus | Park |
| 52300 | Local | County Natural Area | | 0.01 | | | |
| 52600 | Local | County Trail/Trail Access | | 0.00 | | | |
| 52800 | Local | County Public Works/Facilities | | | | | |
| 52999 | Local | County Land - Unknown | | 0.15 | 0.22 | 0.20 | |
| 53999 | Local | Joint City/County Land - Unknown | | 0.48 | 0.03 | 0.03 | |
| 55000 | Local | School District Land - General | | 1.82 | 1.52 | 1.24 | |
| 55100 | Local | School District Parks | | 0.02 | 0.02 | 0.02 | |
| 55140 | Local | School District Sport Facility/Recreation Center | | | | | |
| 55800 | Local | School District Public Works/Facilities | | | | | |
| 56000 | Local | Other Special District Land - General | | 0.21 | 0.02 | 0.02 | |
| 60000 | NGO/Land Trust | Non-Governmental Lands | | 0.32 | | | |
| 61000 | NGO/Land Trust | National Land Trust Lands | | | | | |
| 70000 | Private | Private Land - No Protection | 85.67 | 81.97 | 78.81 | 72.13 | 50.00 |
| 71000 | Private Conservation | Private Land (w/ Protection) | 5.80 | 0.98 | 0.13 | 0.12 | 4.40 |
| 71010 | Private Conservation | Private Land (w/ Protection) - Building Envelope | | 0.08 | | 0.04 | |
| 71020 | Private Conservation | Private Land (w/ Protection) - Outlot | | 0.08 | | 0.16 | |
| 71100 | Private Conservation | Private Park | | | | | |
| 71120 | Private Conservation | Privately Owned Golf Course | | | | | |
| 71210 | Private Conservation | Privately Owned Cemetery | | 0.01 | 0.01 | 0.01 | |
| 71300 | Private Conservation | Private Natural Area | | | 0.22 | 0.19 | |

| Management Code | Legend Category | Management Description | Southwest Colo Res Cntr | Timberline | Washington School | West Campus | Woodland Park |
|--------------------|-----------------|----------------------------|----------------------------|------------|----------------------|----------------|------------------|
| | Private | | | | | | |
| 71600 | Conservation | Private Trail/Trail Access | | | | | |
| | | Total | 100 | 99 | 100 | 100 | 100 |

Table 5. TNC climate resiliency data by CSU-owned property. The green highlight indicates that 90% of a greater percentage of lands are average or above for resiliency. The red highlight indicates that 2% or a smaller percentage of the property is average or above for resiliency.

| | Resilience dat | a | | | | | | |
|----------------------------------|----------------|---------|----------------|---------|----------------|---------|-----------|-----------|
| | Far above | Above | Slightly above | | Slightly below | Below | Far below | |
| Property Name | average | average | average | Average | average | average | average | Developed |
| Arkansas Valley | | 2% | 6% | 92% | | | | |
| Borden | 1% | 55% | 44% | | | | | |
| Boulder | | 100% | | | | | | |
| Canon City | | | | 100% | | | | |
| Environmental Learning Center | | 3% | 91% | 7% | | | | |
| Franktown | | | 50% | 50% | | | | |
| Gabbard-Rutledge | | 65% | 17% | 18% | | | | |
| Horsetooth | | 97% | 3% | | | | | |
| Buckhorn | 35% | 57% | 6% | 2% | | | | |
| E Colo Res Stat | | 4% | 44% | 53% | | | | |
| Mountain Campus | 5% | 55% | 20% | 18% | 2% | | | |
| Foothills | 7% | 43% | 20% | 23% | 3% | | | 5% |
| Maxwell Ranch | 4% | 17% | 30% | 39% | 7% | 3% | | |
| Central Great Plains | | | | 60% | 21% | 20% | | |
| Hort Farm | | | 6% | 28% | 35% | 30% | | |
| ARDEC | | | 4% | 11% | 16% | 69% | | |
| West | | | | 2% | | 62% | | 36% |
| East | | | | | | | 64% | 36% |
| Edward | | | | | | | | 100% |
| Fort Morgan | | | | | | | 100% | |
| Fruita | | | | | | | 100% | |
| Main | | | | | | 25% | 32% | 43% |
| N Colo Res Demo Cntr | | | | | | | 100% | |
| Orchard Mesa | | | | | | | 100% | |

| | Resilience data | | | | | | | |
|----------------------|-----------------|---------|----------------|---------|----------------|---------|-----------|-----------|
| | Far above | Above | Slightly above | | Slightly below | Below | Far below | |
| Property Name | average | average | average | Average | average | average | average | Developed |
| Rogers Mesa | | | | | | | 97% | 3% |
| San Luis Valley | | | | | | | 100% | |
| South | | | | | 29% | 12% | 24% | 35% |
| Southeast Colo Res | | | | | | | | |
| Cntr | | | | | | 100% | | |
| Southwest Colo Res | | | | | | | | |
| Cntr | | | | | | 3% | 97% | |
| Timberline | | | | | | 83% | | 17% |
| Washington School | | | | | | 100% | | |
| Woodland Park | | | | | 80% | | | 20% |

APPENDIX 5. Animal and plant species lists compiled from the Eastern Colorado Research Center.

Table 1. Animal Species List at the Eastern Colorado Research Center, compiled from research and field visit. Species of Concern are in bold.

| | | | | | Observation | |
|-----------|---------------------------|-----------------------|--------|--------------------|-------------|------------|
| Family | Scientific Name | Common Name | Source | Observed/Modeled | Date | CNHP Ranks |
| ARTHROPOD | | | | | | |
| | | Speckle-winged | | | | |
| | | Rangeland | | | | |
| Acrididae | Arphia conspersa | Grasshopper | GBIF | Visual observation | 5/3/1968 | |
| | | Red-winged | | | | |
| Acrididae | Arphia pseudonietana | Grasshopper | GBIF | Visual observation | 8/15/1968 | |
| | | White-crossed | | | | |
| Acrididae | Aulocara femoratum | Grasshopper | GBIF | Visual observation | 7/25/1989 | |
| | | Crenulate-winged | | | | |
| Acrididae | Cordillacris crenulata | Grasshopper | GBIF | Visual observation | 6/28/1989 | |
| | | Spot-winged | | | | |
| Acrididae | Cordillacris occipitalis | Grasshopper | GBIF | Visual observation | 7/25/1989 | |
| | Therioaphis (Therioaphis) | | | | | |
| Aphididae | trifolii | Yellow Clover Aphid | SCAN | Visual observation | 9/15/1955 | |
| Arctiidae | Estigmene acrea | Salt Marsh Moth | GBIF | Visual observation | 6/9/1991 | |
| | Hypoprepia miniata subsp. | | | | | |
| Arctiidae | miniata | Scarlet Lichen Moth | GBIF | Visual observation | 6/19/1994 | |
| Arctiidae | Virbia fragilis | Fragile Virbia | GBIF | Visual observation | 6/19/1994 | |
| | | Plain Winged | | | | |
| Arctiidae | Virbia immaculata | Holomelina | GBIF | Visual observation | 6/19/1994 | |
| Carabidae | Cicindela formosa | Big Sand Tiger Beetle | GBIF | Visual observation | 6/13/1990 | |
| | | Punctured Tiger | | | | |
| Carabidae | Cicindela punctulata | Beetle | GBIF | Visual observation | 6/19/1994 | |
| | | Slender Seedcorn | | | | |
| Carabidae | Clivina impressifrons | Beetle | GBIF | Visual observation | 6/9/1991 | |
| Erebidae | Bleptina caradrinalis | Bent Winged Owlet | SCAN | Visual observation | 6/19/1994 | |
| Erebidae | Bulia deducta | North American Moth | SCAN | Visual observation | 6/9/1990 | |

| | | | | | Observation | |
|--------------|------------------------------|------------------------|------------|---|-------------|--------------------|
| Family | Scientific Name | Common Name | Source | Observed/Modeled | Date | CNHP Ranks |
| | | Indomitable Graphic | | | | |
| Erebidae | Melipotis indomita | Moth | SCAN | Visual observation | 6/9/1990 | |
| Geometridae | Chlorochlamys chloroleucaria | Blackberry Looper | GBIF | Visual observation | 6/19/1994 | |
| Geometridae | Digrammia excurvata | Digrammia | GBIF | Visual observation | 6/19/1994 | |
| Geometridae | Digrammia pertinata | Geometrid Moth | GBIF | Visual observation | 6/19/1994 | |
| Geometridae | Euaspilates spinataria | Yucca Moth | GBIF | Visual observation | 6/19/1994 | |
| Geometridae | Glaucina infumataria | Glaucina Moth | GBIF | Visual observation | 6/19/1994 | |
| Geometridae | Metanema inatomaria | Pale Metanema | GBIF | Visual observation | 6/9/1990 | |
| Geometridae | Plataea trilinearia | Sagebrush Girdle | GBIF | Visual observation | 6/9/1990 | |
| Mutillidae | Dasymutilla leda | Red Velvet Ant | GBIF | Visual observation | 6/13/1990 | |
| | Apamea inordinata | | | | | |
| Noctuidae | semilunata | Apamea | GBIF | Visual observation | 6/8/1991 | |
| Noctuidae | Caradrina montana | Civil Rustic Caradrina | GBIF | Visual observation | 6/9/1990 | |
| Noctuidae | Peridroma saucia | Pearly Underwing | GBIF | Visual observation | 6/9/1990 | |
| Noctuidae | Schinia meadi | Mead's Flower Moth | GBIF | Visual observation | 6/9/1990 | |
| Notodontidae | Gluphisia septentrionis | Common Gluphisia | GBIF | Visual observation | 6/19/1994 | |
| | | Red Shouldered Stink | | | | |
| Pentatomidae | Thyanta custator | Bug | SCAN | Visual observation | 6/19/1994 | |
| Sphingidae | Ceratomia amyntor | Elm Sphinx | GBIF | Visual observation | 6/9/1990 | |
| BIRD | | | | | | |
| Accipitridae | Accipiter cooperii | Cooper's Hawk | ECRC Staff | Visual observation | | |
| | | | | Modeled overall | | G5S3S4B, S4N, SWAP |
| Accipitridae | Aquila chrysaetos | Golden Eagle | CPW | range | | Tier 1 |
| Accipitridae | Buteo jamaicensis | Red-tailed Hawk | ECRC Staff | Visual observation | | |
| | | | | | | G4S3B, S4N, BLM, |
| A | 8 | . | CD144 | \ \mathrea{\gamma} \mathrea{\gamma} \ \mathrea{\gamma} \ | | SWAP Tier 2, USFS, |
| Accipitridae | Buteo regalis | Ferruginous Hawk | CPW | Visual observation | | SC |
| Accinitridae | Putao suginsani | Swaincon Howk | CDVA | Modeled overall | | GESED SWADTIGE 2 |
| Accipitridae | Buteo swainsoni | Swainson Hawk | CPW | range | | G5S5B, SWAP Tier 2 |

| | | | | | Observation | |
|----------------|-------------------------|-------------------------------------|------------|--------------------|-------------|--------------------|
| Family | Scientific Name | Common Name | Source | Observed/Modeled | Date | CNHP Ranks |
| | | | | Modeled overall | | |
| Accipitridae | Circus hudsonius | Northern Harrier | CPW | range | | G5S3B, SWAP Tier 2 |
| | | | | Modeled breeding | | |
| Ardeidae | Botaurus lentiginosus | American Bittern | CPW | range | | |
| Alaudidae | Framanhila alpastris | Horned Lark | CNHP | Acquetic recording | 10/18/2021 | |
| Alduulude | Eremophila alpestris | norneu Lark | CINTIP | Acoustic recording | 10/18/2021 | COCOD DIAA CIMAD |
| Charadriidaa | Chanadrius montanus | Mountain Dlayer | CDW | Modeled overall | | G3S2B, BLM, SWAP |
| Charadriidae | Charadrius montanus | Mountain Plover Eurasian Collared- | CPW | range | | Tier 1, USFS, SC |
| Columbidae | Streptopelia decaocto | dove | ECRC Staff | Visual observation | | |
| Columbidae | Zenaida macroura | Mourning Dove | CNHP | Visual observation | 10/15/2022 | |
| Columbidae | Zenalda macroara | Widdining Dove | CIVIII | Visual Observation | 10/13/2022 | |
| Emberizidae | Junco hyemalis | Dark-eyed Junco | CNHP | Visual observation | 10/15/2021 | |
| | | | | | | |
| Emberizidae | Zonotrichia leucophrys | White-crown Sparrow | CNHP | Visual observation | 10/15/2021 | |
| | | | | Modeled | | G5S4B, S4N, SWAP |
| Falconidae | Falco mexicanus | Prairie Falcon | CPW | observation | | Tier 2 |
| Falconidae | Falco sparverius | American Kestrel | CNHP | Visual observation | 10/15/2021 | |
| | | | | | | |
| Fringillidae | Spinus tristis | American Goldfinch | CNHP | Visual observation | 10/15/2021 | |
| | | | | Modeled breeding | | |
| Icteridae | Dolichonyx oryzivorus | Bobolink | CPW | range | | G5S3B, SWAP Tier 2 |
| | | | | Modeled overall | | |
| Odontophoridae | Colinus virginianus | Northern Bobwhite | CPW | range | | |
| | | | | Modeled breeding | | |
| Passerellidae | Ammodramus savannarum | Grasshopper Sparrow | CPW | range | | |
| | | | | Modeled breeding | | |
| Passerellidae | Calamospiza melanocorys | Lark Bunting | CPW | range | | |

| | | | | | Observation | |
|----------------|----------------------------|------------------------|-------------|--------------------|-------------|---------------------|
| Family | Scientific Name | Common Name | Source | Observed/Modeled | Date | CNHP Ranks |
| | | | | Modeled breeding | | G5S4B, SWAP Tier 2, |
| Passerellidae | Peucaea cassinii | Cassin Sparrow | CPW | range | | USFS |
| | | | | Modeled breeding | | |
| Passerellidae | Spizella breweri | Brewer Sparrow | CPW | range | | G5S4B, SWAP Tier 2 |
| _ | | | | | | |
| Passeridae | Passer domesticus | House Sparrow | CNHP | Visual observation | 10/15/2021 | |
| Phasianidae | Meleagris gallopavo | Wild Turkey | ECRC Staff | Visual observation | | |
| I | | | ECRC Staff, | | | |
| Phasianidae | Phasianus colchicus | Ring-necked Pheasant | CPW | Visual observation | | |
| | | Greater Prairie | ECRC Staff, | | | G4T4S3, USFS, SWAP |
| Phasianidae | Tympanuchus cupido pinatus | Chicken | CPW | Visual observation | | Tier 2 |
| | | | | Modeled overall | | |
| Scolopacidae | Bartramia longicauda | Upland Sandpiper | CPW | range | | |
| | | | | Modeled overall | | G5S2, BLM, SWAP |
| Scolopacidae | Numenius americanus | Long-billed Curlew | CPW | range | | Tier 2, USFS, SC |
| | | | | Modeled breeding | | G4S4B, BLM, SWAP |
| Strigidae | Athene cunicularia | Burrowing Owl | CPW | range | | Tier 1, USFS, SC |
| | | | | Trail Camera | | |
| Strigidae | Bubo virginianus | Great Horned Owl | CNHP | observation | | |
| | | | | Modeled breeding | | |
| Turdidae | Catharus fuscescens | Veery | CPW | range | | G5S3B, SWAP Tier 2 |
| Tytonidae | Tyto alba | Barn Owl | ECRC Staff | Visual observation | | |
| MAMMAL | | | | | | |
| | | | ECRC Staff, | | | |
| Antilocapridae | Antilocarpa americana | Pronghorn | CPW | Visual observation | | |
| Canidae | Canis latrans | Coyote | ECRC Staff | Visual observation | | |
| Canidae | Vulpes vulpes | Red fox | ECRC Staff | Visual observation | | |
| | | | ECRC Staff, | | | |
| Cervidae | Odocoileus hemionus | Mule Deer | CPW | Visual observation | | |

| | | | | | Observation | |
|------------------|----------------------------|-----------------------|-------------|----------------------|-------------|-------------------|
| Family | Scientific Name | Common Name | Source | Observed/Modeled | Date | CNHP Ranks |
| | | | | Modeled overall | | |
| Cervidae | Odocoileus virginianus | White-tailed Deer | CPW | range | | |
| | Onychomys leucogaster | Northern Grasshopper | | | | |
| Cricetidae | arcticeps | Mouse | GBIF | Visual observation | 5/2/1957 | |
| | Perognathus flavescens | | | | | |
| Heteromyidae | flavescens | Plains Pocket Mice | GBIF | Visual observation | 10/11/1957 | |
| | | White-tailed | | Modeled overall | | |
| Leporidae | Lepus townsendii | Jackrabbit | CPW | range | | G5S4, SWAP Tier 2 |
| Leporidae | <i>Sylvilagus</i> sp. | Cottontail Rabbit | ECRC Staff | Visual observation | | |
| Mephitidae | Memphitis memphitis | Striped Skunk | ECRC Staff | Visual observation | | |
| Mustelidae | Taxidea taxus | Badger | ECRC Staff | Visual observation | | |
| Procyonidae | Procyon lotor | Common Raccoon | ECRC Staff | Visual observation | | |
| | | Black-tailed Prairie | ECRC Staff, | | | G4S3, BLM, SWAP |
| Sciuridae | Cynomys Iudovicianus | Dog | CPW | Visual observation | | Tier 2, USFS, SC |
| | Ictidomys tridecemlineatus | Thirteen-lined Ground | | | | |
| Sciuridae | pallidus | Squirrel | GBIF | Visual observation | 5/2/1957 | |
| | Xerospermophilus spilosoma | Spotted Ground | | | | |
| Sciuridae | obsoletus | Squirrel | GBIF | Visual observation | 5/2/1957 | |
| Vespertilionidae | Lasionycteris noctivagans | Silver-haired Bat | CNHP | Ultrasonic Recording | 10/18/2021 | G3G4S3S4 |
| | | | | Modeled overall | | |
| Vespertilionidae | Lasiurus borealis | Red Bat | CPW | range | | G3G4S2S3B |
| | | | | Modeled overall | | G3G4S3S4B, SWAP |
| Vespertilionidae | Lasiurus cinereus | Hoary Bat | CPW | range | | Tier 2, USFS |
| | | | | Modeled overall | | |
| Vespertilionidae | Perimyotis subflavus | Tri-colored Bat | CPW | range | | G2G3S2 |
| REPTILE | | | | | | |
| | | | | Modeled overall | | |
| Chelydridae | Chelydra serpentina | Snapping Turtle | CPW | range | | |
| | | | | Modeled overall | | |
| Colubridae | Coluber constrictor | North American Racer | CPW | range | | |

| | | | | | Observation | |
|-----------------|--------------------------|----------------------|--------|------------------|-------------|--------------------|
| Family | Scientific Name | Common Name | Source | Observed/Modeled | Date | CNHP Ranks |
| | | Plains Hog-nosed | | Modeled overall | | |
| Colubridae | Heterodon nasicus | Snake | CPW | range | | |
| | | | | Modeled overall | | |
| Colubridae | Lampropeltis triangulum | Milksnake | CPW | range | | |
| | | | | Modeled overall | | |
| Colubridae | Pituophis catenifer sayi | Bullsnake | CPW | range | | |
| | | | | Modeled overall | | |
| Colubridae | Thamnophis radix | Plains Gartnersnake | CPW | range | | |
| | | Common | | Modeled overall | | G5S3, SWAP Tier 2, |
| Colubridae | Thamnophis sirtalis | Gartnersnake | CPW | range | | SC |
| | | | | Modeled overall | | |
| Emydidae | Chrysemys picta | Painted Turtle | CPW | range | | G5S5 |
| | | | | Modeled overall | | |
| Emydidae | Terrapene ornata ornata | Ornate Box Turtle | CPW | range | | |
| | | Common Lesser | | Modeled overall | | |
| Phrynosomatidae | Holbrookia maculata | Earless Lizard | CPW | range | | |
| | | | | Modeled overall | | |
| Phrynosomatidae | Sceloporus consobrinus | Prairie Lizard | CPW | range | | |
| | | | | Modeled overall | | |
| Phrynosomatidae | Sceloporus tristichus | Plateau Fence Lizard | CPW | range | | |
| | | | | Modeled overall | | |
| Scincidae | Mabuya varia | Variable Skink | CPW | range | | |
| | | | | Modeled overall | | |
| Scincidae | Plestiodon multivirgatus | Many-lined Skink | CPW | range | | |
| | | | | Modeled overall | | |
| Teiidae | Aspidoscelis sexlineatus | Six-lined Racerunner | CPW | range | | |
| | | | | Modeled overall | | |
| Trionychidae | Apalone spinifera | Spiny Softshell | CPW | range | | |
| | | | | Modeled overall | | |
| Viperidae | Crotalus viridis | Prairie Rattlesnake | CPW | range | | |

Table 2. Plant species at the Eastern Colorado Research Center, compiled from research and field visit. Species of Concern are in bold.

| Family | Scientific Name | Common Name | Source | Observed/Preserved | Observation Date | Nativity, CO Noxious Weed Status | C value | CHNP Ranks |
|---------------|---------------------|-------------------|--------|--------------------|---------------------|--|---------|---------------|
| | Leucocrinum | | | | | | | |
| Agavaceae | montanum | common starlily | CNHP | Visual Observation | 5/31/2022 | Native | 6 | |
| Agavaceae | Yucca glauca | soapweed yucca | CNHP | Visual Observation | 5/31/2022 | Native | 4 | |
| | Amaranthus | | | | | | | |
| Amaranthaceae | retroflexus | redroot amaranth | CNHP | Visual Observation | 5/31/2022 | Non-native | 0 | |
| Anacardiaceae | Rhus trilobata | skunkbush | CNHP | Visual Observation | 10/29/2021 | Native | 5 | |
| Apocynaceae | Asclepias sp. | | CNHP | Visual Observation | 6/1/2022 | | | |
| | Ambrosia | | | | | | | |
| Asteraceae | psilostachya | Cuman ragweed | CNHP | Visual Observation | 10/29/2021 | Native | 3 | |
| Asteraceae | Artemisia filifolia | sand sagebrush | CNHP | Visual Observation | 10/29/2021 | Native | 5 | |
| Asteraceae | Artemisia frigida | prairie sagewort | CNHP | Visual Observation | 10/29/2021 | Native | 4 | |
| | Artemisia | | | | | | | |
| Asteraceae | ludoviciana | white sagebrush | CNHP | Visual Observation | 5/31/2022 | Native | 4 | |
| Asteraceae | Carduus nutans | Musk Thistle | CNHP | Visual observation | 10/29/2021 | Non-native, B | 0 | |
| Asteraceae | Cirsium undulatum | wavyleaf thistle | CNHP | Visual Observation | 10/29/2021 | Native | 5 | |
| Asteraceae | Conyza canadensis | Horseweed | GBIF | Visual observation | | Native | 1 | |
| | Erigeron | western daisy | | | | | | |
| Asteraceae | bellidiastrum | fleabane | CNHP | Visual Observation | 5/31/2022 | Native | 4 | |
| Asteraceae | Grindelia squarrosa | curlycup gumweed | CNHP | Visual Observation | 5/31/2022 | Native | 3 | |
| | Helianthus | | | | | | | |
| Asteraceae | petiolaris | prairie sunflower | CNHP | Visual Observation | 10/29/2021 | Native | 2 | |
| Astoração | Нутепорарриѕ | Chalk Hill | GBIF | Visual observation | | Native | 6 | |
| Asteraceae | tenuifolius | Hymenopappus | GDIF | visual observation | | ivative | U | |
| Asteraceae | Lygodesmia juncea | skeletonweed | CNHP | Visual Observation | 10/29/2021 | Native | 4 | |
| | Packera | | | | | | | |
| Asteraceae | tridenticulata | threeleaf ragwort | CNHP | Visual Observation | 5/31/2022 | Native | 7 | |

| Family | Scientific Name | Common Name | Source | Observed/Preserved | Observation Date | Nativity, CO Noxious Weed Status | C value | CHNP Ranks |
|----------------|-------------------------------|-------------------------------|--------|--------------------|------------------|--|---------|--|
| Asteraceae | Ratibida columnifera | Upright Prairie Coneflower | SEINET | Visual observation | 10/10/1976 | Native | 4 | |
| Asteraceae | Senecio riddellii | Riddell's ragwort | CNHP | Visual Observation | 5/31/2022 | Native | 5 | |
| Asteraceae | Solidago simplex spp. Simplex | Sticky Goldenrod | CNHP | Visual observation | 10/29/2021 | | | |
| Asteraceae | Thelesperma filifolium | stiff greenthread | CNHP | Visual Observation | 6/1/2022 | Native | 5 | |
| Asteraceae | Tragopogon dubius | yellow salsify | CNHP | Visual Observation | 5/31/2022 | Non-native | 0 | |
| | Cryptantha minima | little cryptantha | CNHP | Visual Observation | 10/29/2021 | Native | 3 | |
| Boraginaceae | Lappula | пине стурианина | CINITI | visual Observation | 10/29/2021 | Native | 3 | |
| Boraginaceae | occidentalis | flatspine stickseed | CNHP | Visual Observation | 5/31/2022 | Native | 2 | |
| Brassicaceae | Alyssum alyssoides | Pale Madwort | CNHP | Visual observation | 10/29/2021 | Non-native | 0 | |
| | Sisymbrium | | | | | | | |
| Brassicaceae | altissimum | tall tumble mustard | CNHP | Visual Observation | 10/29/2021 | Non-native | 0 | |
| | Echinocereus | nylon hedgehog | | | | | | |
| Cactaceae | viridiflorus | cactus | CNHP | Visual Observation | 5/31/2022 | Native | 6 | |
| Cactaceae | Opuntia fragilis | brittle pricklypear | CNHP | Visual Observation | 5/31/2022 | Native | 3 | |
| | Opuntia | | | | | | | |
| Cactaceae | macrorhiza | bigroot prickly pear | CNHP | Visual Observation | 10/29/2021 | Native | 3 | |
| Cannabaceae | Celtis reticulata | netleaf hackberry | CNHP | Visual Observation | 10/29/2021 | Native | 6 | |
| | | Rocky Mountain | | | | | | |
| Capparaceae | Cleome serrulata | beeplant | CNHP | Visual Observation | 5/31/2022 | Native | 2 | |
| Chenopodiaceae | Chenopodium sp. | | CNHP | Visual Observation | 5/31/2022 | | | |
| Amaranthaceae | Kochia scoparia | burningbush | CNHP | Visual Observation | 6/1/2022 | Non-native | 0 | |
| Amaranthaceae | Salsola tragus | prickly russian thistle | CNHP | Visual Observation | 5/31/2022 | Non-native | 0 | |

| Family | Scientific Name | Common Name | Source | Observed/Preserved | Observation Date | Nativity, CO Noxious Weed Status | C value | CHNP Ranks |
|----------------|--------------------------------------|----------------------------|--------|--------------------|------------------|--|---------|---------------|
| | Tradescantia | | | | | | | |
| Commelinaceae | occidentalis | prairie spiderwort | CNHP | Visual Observation | 5/31/2022 | Native | 5 | |
| | Evolvulus | shaggy dwarf | | | | | | |
| Convolvulaceae | nuttallianus | morning-glory | CNHP | Visual Observation | 5/31/2022 | Native | 6 | |
| | Juniperus | Rocky Mountain | | | | | | |
| Cupressaceae | scopulorum | juniper | CNHP | Visual Observation | 10/29/2021 | Native | 5 | |
| Cyperaceae | Carex sp. | | CNHP | Visual Observation | 5/31/2022 | | | |
| | Elaeagnus | | | | | | | |
| Elaeagnaceae | angustifolia | Russian olive | CNHP | Visual Observation | 10/29/2021 | Non-native | 0 | |
| Euphorbiaceae | Croton texensis | Texas croton | CNHP | Visual Observation | 10/29/2021 | Native | 2 | |
| Fabaceae | Astragalus sp. | | CNHP | Visual Observation | 5/31/2022 | | | |
| Fabaceae | Astragalus plattensis | Platte River Milkvetch | SEINET | Visual observation | 6/25/1960 | Native | 7 | GSS1 |
| Fabaceae | Lupinus argenteus | silvery lupine | CNHP | Visual Observation | 5/31/2022 | Native | 5 | |
| Fabaceae | Oxytropis lambertii | Lambert's Locoweed | GBIF | Visual observation | | Native | 5 | |
| Fabaceae | Lupinus pusillus | Rusty Lupine | GBIF | Visual observation | | Native | 6 | |
| Fabaceae | Pediomelum hypogaeum hypogaeum | Little Indian Breadroot | GBIF | Visual observation | | | | |
| Fabaceae | Pomaria jamesii | James rush-pea | CNHP | Visual Observation | 5/31/2022 | Native | 6 | |
| Fabaceae | Psoralidium lanceolatum | Lemon Scurfpea | GBIF | Visual observation | | Native | 5 | |
| Fabaceae | Psoralidium tenuiflorum | Slimflower Scurfpea | GBIF | Visual observation | | Native | 5 | |
| Lamiaceae | Salvia reflexa | Lanceleaf Sage | SEINET | Visual observation | 7/22/1960 | Native | 2 | |
| Linaceae | Linum lewisii | Lewis flax | CNHP | Visual Observation | 10/29/2021 | Native | 4 | |
| Loasaceae | Mentzelia nuda | bractless blazingstar | CNHP | Visual Observation | 5/31/2022 | Native | 4 | |

| Family | Scientific Name | Common Name | Source | Observed/Preserved | Observation Date | Nativity, CO Noxious Weed Status | C value | CHNP Ranks |
|----------------|---------------------------|---------------------|--------|--------------------|---------------------|--|---------|---------------|
| | Sphaeralcea | | | | | | | |
| Malvaceae | coccinea | scarlet globemallow | CNHP | Visual Observation | 6/1/2022 | Native | 4 | |
| | Argemone | crested | | | | | | |
| Papaveraceae | polyanthemos | pricklypoppy | CNHP | Visual Observation | 10/29/2021 | Native | 3 | |
| Pinaceae | Pinus sp. | Pine | CNHP | Visual observation | 10/29/2021 | | | |
| Plantaginaceae | Penstemon sp. | | CNHP | Visual Observation | 5/31/2022 | | | |
| Plantaginaceae | Penstemon grandiflorus | Large Beard-tongue | GBIF | Visual observation | | Native | 6 | G5?S1 |
| | Plantago | | | | | | | |
| Plantaginaceae | patagonica | woolly plantain | CNHP | Visual Observation | 10/29/2021 | Native | 2 | |
| | Achnatherum | | | | | | | |
| Poaceae | hymenoides | Indian ricegrass | CNHP | Visual Observation | 5/31/2022 | Native | 5 | |
| | Agropyron | | | | | | | |
| Poaceae | cristatum | crested wheatgrass | CNHP | Visual Observation | 5/31/2022 | Non-native | 0 | |
| Poaceae | Andropogon hallii | sand bluestem | CNHP | Visual Observation | 10/29/2021 | Native | 8 | |
| Poaceae | Aristida purpurea | purple threeawn | CNHP | Visual Observation | 5/31/2022 | Native | 3 | |
| Poaceae | Bouteloua gracilis | blue grama | CNHP | Visual Observation | 10/29/2021 | Native | 4 | |
| Poaceae | Bromus arvensis | field brome | CNHP | Visual Observation | 10/29/2021 | | | |
| Poaceae | Bromus tectorum | cheatgrass | CNHP | Visual Observation | 5/31/2022 | Non-native | 0 | |
| Poaceae | Buchloë dactyloides | buffalograss | CNHP | Visual Observation | 10/29/2021 | Native | 4 | |
| | Calamovilfa | - | | | | | | |
| Poaceae | longifolia | prairie sandreed | CNHP | Visual Observation | 10/29/2021 | Native | 7 | |
| Poaceae | Elymus elymoides | squirreltail | CNHP | Visual Observation | 10/29/2021 | Native | 4 | |
| | Hesperostipa | | | | | | | |
| Poaceae | comata | needle and thread | CNHP | Visual Observation | 10/29/2021 | Native | 6 | |
| Poaceae | Koeleria macrantha | prairie Junegrass | CNHP | Visual Observation | 5/31/2022 | Native | 6 | |

| | | | | | Observation | Nativity, CO Noxious | | CHNP |
|----------------|-----------------------------|--------------------|--------|--------------------|-------------|-------------------------|---------|-------|
| Family | Scientific Name | Common Name | Source | Observed/Preserved | Date | Weed Status | C value | Ranks |
| Poaceae | Muhlenbergia asperifolia | Scratch Grass | GBIF | Visual observation | | Native | 4 | |
| Poaceae | Muhlenbergia pungens | Sandhill Muhly | SEINET | Visual observation | 10/7/1976 | Native | 6 | |
| Poaceae | Pascopyrum smithii | western wheatgrass | CNHP | Visual Observation | 10/29/2021 | Native | 5 | |
| | Sporobolus | | | | | | | |
| Poaceae | compositus | tall dropseed | CNHP | Visual Observation | 5/31/2022 | Native | 4 | |
| | Sporobolus | | | | | | | |
| Poaceae | cryptandrus | sand dropseed | CNHP | Visual Observation | 10/29/2021 | Native | 2 | |
| Poaceae | Vulpia octoflora | six-weeks fescue | CNHP | Visual Observation | 5/31/2022 | Native | 3 | |
| Polemoniaceae | Phlox andicola | moss phlox | CNHP | Visual Observation | 5/31/2022 | Native | 6 | |
| Polygonaceae | Eriogonum annuum | Annual Buckwheat | SEINET | Visual observation | 7/19/1957 | Native | 4 | |
| | Delphinium | | | | | | | |
| Ranunculaceae | occidentale | Sierra larkspur | CNHP | Visual Observation | 5/31/2022 | Native | 5 | |
| Salicaceae | Populus deltoides | eastern cottonwood | CNHP | Visual Observation | 10/29/2021 | Native | 4 | |
| Solanaceae | Physalis sp. | | CNHP | Visual Observation | 5/31/2022 | | | |
| Solanaceae | Solanum sp. | | CNHP | Visual Observation | 5/31/2022 | | | |
| Ulmaceae | Ulmus pumila | Siberian elm | CNHP | Visual Observation | 10/29/2021 | Non-native | 0 | |
| Zygophyllaceae | Tribulus terrestris | puncture vine | CNHP | Visual Observation | 10/29/2021 | Non-native | 0 | |

APPENDIX 6. Animal and plant and fungi species lists compiled from the Mountain Campus.

Table 1. Animal Species List at the Mountain Campus, compiled from research and field visit. Species of Concern are in bold. See Appendix 3 for status code definitions and the <u>GBIF Registry of Scientific Collections</u> for institution codes for the Source field.

| | | | | Observed/ Preserved/ | | |
|-----------|-------------------------|--------------|-----------------|-------------------------|------------------|------------|
| Family | Scientific Name | Common Name | Source | Modeled | Observation Date | CNHP Ranks |
| ARTHROPOD | | | , coc | | | |
| - | Diarnesinae sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| | | Bandwing | | | | |
| - | Oedipodinae sp. | Grasshoppers | iNaturalist | Visual observation | 7/21/2018 | |
| Achilidae | Cixidia pallida | | SCAN | Preserved specimen | 8/25/1976 | |
| | Aeropedellus | | | | | |
| Acrididae | clavatus | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Acrididae | Arphia conspersa | | SCAN | Preserved specimen | 8/23/1926 | |
| Acrididae | Aulocara elliotti | | CSU | Preserved specimen | 7/6/1939 | |
| Acrididae | Camnula pellucida | | SCAN | Preserved specimen | 8/1/1925 | |
| | Chorthippus | | | | | |
| Acrididae | curtipennis | | CSU | Preserved specimen | 7/6/1939 | |
| | Chorthippus | | | | | |
| | curtipennis | | | | | |
| Acrididae | curtipennis | | SCAN | Preserved specimen | 8/1/1924 | |
| Acrididae | Circotettix rabula | | SCAN | Preserved specimen | 8/2/1924 | |
| Acrididae | Circotettix sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Acrididae | Cratypedes neglectus | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Acrididae | Dissosteira carolina | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Acrididae | Melanoplus brunneri | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Acrididae | Melanoplus dodgei | | SCAN | Preserved specimen | 8/21/1925 | |
| Acrididae | Melanoplus fasciatus | | KU | Preserved specimen | 8/22/1931 | |
| | Melanoplus | | | | | |
| Acrididae | femurrubrum | | SCAN | Preserved specimen | 8/21/1925 | |
| Acrididae | Melanoplus occidentalis | | CSU | Preserved specimen | 8/29/1982 | |

| | | | | Observed/ | | |
|-----------|---------------------|-------------|-----------------|--------------------|------------------|------------|
| | | | | Preserved/ | | |
| Family | Scientific Name | Common Name | Source | Modeled | Observation Date | CNHP Ranks |
| | Melanoplus | | | | | |
| Acrididae | sanguinipes | | CSU | Preserved specimen | 9/23/1982 | |
| Acrididae | Melanoplus sp.1 | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Acrididae | Orphulella sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| | Pseudochorthippus | | | | | |
| Acrididae | curtipennis | | BYU | Preserved specimen | | |
| Acrididae | Trachyrhachys kiowa | | BYU | Preserved specimen | | |
| | Trimerotropus | | | | | |
| Acrididae | suffusa | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Aeshnidae | Aeshna eremita | | SCAN | Preserved specimen | 8/15/1924 | |
| Aeshnidae | Aeshna palmata | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| | | | Odonata | | | |
| Aeshnidae | Aeshna sitchensis | | Central | Preserved specimen | 9/6/2010 | |
| Alydidae | Alydus scutellatus | | TAMU | Preserved specimen | | |
| Alydidae | Tollius setosus | | SCAN | Preserved specimen | 8/22/1925 | |
| Alydidae | Tollius sp. | | SCAN | Preserved specimen | 8/20/1925 | |
| Aphididae | Acyrthosiphon pisum | | EMEC | Preserved specimen | 8/23/1953 | |
| | Aphis | | | | | |
| Aphididae | argentinaeradicis | | USNM | Preserved specimen | 8/23/1930 | |
| Aphididae | Aphis ceanothi | | SCAN | Preserved specimen | 8/18/1933 | |
| Aphididae | Aphis fraserae | | SCAN | Preserved specimen | 8/20/1924 | |
| Aphididae | Aphis gossypii | | SCAN | Preserved specimen | 8/21/1935 | |
| Aphididae | Aphis helianthi | | EMEC | Preserved specimen | 8/23/1953 | |
| Aphididae | Aphis medicaginis | | SCAN | Preserved specimen | 8/21/1935 | |
| Aphididae | Aphis sp. | | SCAN | Preserved specimen | 8/23/1953 | |
| | Brachycaudus | | | · | | |
| Aphididae | helichrysi | | SCAN | Preserved specimen | 8/21/1935 | |
| | Capitophorus | | | | | |
| Aphididae | elaeagni | | EMEC | Preserved specimen | 8/23/1953 | |

| | | | | Observed/ | | |
|-----------|----------------------|--------------------|--------|--------------------|-------------------------|------------|
| | | | | Preserved/ | | |
| Family | Scientific Name | Common Name | Source | Modeled | Observation Date | CNHP Ranks |
| | Chaitophorus | | | | | |
| Aphididae | populicola | | SCAN | Preserved specimen | 8/21/1935 | |
| | Chaitophorus | | | | | |
| Aphididae | populifoliae | | SCAN | Preserved specimen | 8/20/1926 | |
| Aphididae | Cinara curvipes | | SCAN | Preserved specimen | 8/20/1931 | |
| Aphididae | Cinara medispinosa | | SCAN | Preserved specimen | 8/21/1935 | |
| Aphididae | Essigella knowltoni | | USNM | Preserved specimen | 8/23/1935 | |
| | Lachnus | | | | | |
| Aphididae | engelmanniensis | | SCAN | Preserved specimen | 9/3/1924 | |
| Aphididae | Lachnus juniperensis | | SCAN | Preserved specimen | 8/20/1924 | |
| | Macrosiphum | | | | | |
| Aphididae | thermopsaphis | | USNM | Preserved specimen | 8/19/1935 | |
| | Macrosiphum | | | | | |
| Aphididae | valerianae | | SCAN | Preserved specimen | 8/22/1935 | |
| | Macrosiphum | | | | | |
| Aphididae | zionense | | SCAN | Preserved specimen | 8/19/1936 | |
| Aphididae | Mindarus abietinus | | SCAN | Preserved specimen | 8/21/1935 | |
| Aphididae | Myzus alpinus | | SCAN | Preserved specimen | 8/21/1926 | |
| Aphididae | Nasonovia alpina | | SCAN | Preserved specimen | 8/20/1935 | |
| Aphididae | Nasonovia collomiae | | SCAN | Preserved specimen | 8/21/1935 | |
| | Nearctaphis | | | | | |
| Aphididae | argentinaeradicis | | SCAN | Preserved specimen | 8/23/1930 | |
| Aphididae | Pachypappa sacculi | | SCAN | Preserved specimen | 8/31/1938 | |
| | Pleotrichophorus | | | | | |
| Aphididae | gnaphalodes | | SCAN | Preserved specimen | 8/21/1935 | |
| | Pleotrichophorus | | | | | |
| Aphididae | pseudoglandulosus | | SCAN | Preserved specimen | 8/21/1935 | |
| | Pterocomma | | | | | |
| Aphididae | beulahense | | SCAN | Preserved specimen | 7/5/1926 | |

| | | | | Observed/ | | |
|-----------|---------------------|-------------|-----------------|--------------------|-------------------------|------------|
| | | | | Preserved/ | | |
| Family | Scientific Name | Common Name | Source | Modeled | Observation Date | CNHP Ranks |
| | Rhopalosiphum | | | | | |
| Aphididae | musae | | SCAN | Preserved specimen | 8/23/1953 | |
| Aphididae | Sitobion avenae | | SCAN | Preserved specimen | 8/29/1935 | |
| Apidae | Andrena miranda | | KU | Preserved specimen | 8/6/1949 | |
| Apidae | Andrena sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Apidae | Andrena thaspii | | KU | Preserved specimen | 8/6/1949 | |
| Apidae | Andrena w-scripta | | SCAN | Preserved specimen | 8/23/1926 | |
| Apidae | Anthophora montana | | SCAN | Preserved specimen | 8/22/1935 | |
| Apidae | Anthophora urbana | | SCAN | Preserved specimen | 8/1/1924 | |
| Apidae | Anthophora walshii | | USDA-ARS | Preserved specimen | 8/20/1935 | |
| Apidae | Bombus appositus | | SCAN | Preserved specimen | 8/17/1926 | |
| Apidae | Bombus bifarius | | SCAN | Preserved specimen | 8/17/1926 | |
| | Bombus bifarius | | | | | |
| Apidae | bifarius | | SCAN | Preserved specimen | 8/17/1926 | |
| Apidae | Bombus californicus | | SCAN | Preserved specimen | 8/1/1924 | |
| Apidae | Bombus centralis | | SCAN | Preserved specimen | 8/20/1935 | |
| Apidae | Bombus fernaldae | | INHS | Preserved specimen | 8/17/1926 | |
| Apidae | Bombus fervidus | | SCAN | Preserved specimen | 8/14/1933 | |
| | Bombus fervidus | | | | | |
| Apidae | fervidus | | SCAN | Preserved specimen | 8/21/1926 | |
| Apidae | Bombus flavifrons | | SCAN | Preserved specimen | 8/20/1926 | |
| Apidae | Bombus frigidus | | SCAN | Preserved specimen | 8/17/1926 | |
| Apidae | Bombus huntii | | SCAN | Preserved specimen | 8/17/1926 | |
| Apidae | Bombus insularis | | SCAN | Preserved specimen | 8/17/1926 | |
| Apidae | Bombus lapponicus | | SCAN | Preserved specimen | 8/17/1926 | |
| | Bombus | | | | | |
| Apidae | melanopygus | | SCAN | Preserved specimen | 8/17/1926 | |
| Apidae | Bombus mixtus | | SCAN | Preserved specimen | 8/17/1926 | |
| Apidae | Bombus nevadensis | | KU | Preserved specimen | 8/6/1949 | |

| | | | | Observed/ | | |
|--------|----------------------|-------------|----------|--------------------|------------------|--------------|
| | | | | Preserved/ | | |
| Family | Scientific Name | Common Name | Source | Modeled | Observation Date | CNHP Ranks |
| | | | | Preserved | | G3S3S4, SWAP |
| Apidae | Bombus occidentalis | | SCAN | specimen | 8/17/1926 | Tier 2 |
| Apidae | Bombus rufocinctus | | SCAN | Preserved specimen | 8/17/1926 | |
| | | | | Preserved | | G2G3S2, SWAP |
| Apidae | Bombus suckleyi | | UCM | specimen | 8/14/1933 | Tier 2 |
| Apidae | Bombus sylvicola | | SCAN | Preserved specimen | 8/17/1926 | |
| | Bombus terricola | | | | | |
| Apidae | occidentalis | | INHS | Preserved specimen | 8/14/1933 | |
| Apidae | Melissodes agilis | | KU | Preserved specimen | 8/22/1935 | |
| Apidae | Melissodes confusa | | SCAN | Preserved specimen | 8/1/1924 | |
| Apidae | Melissodes coreopsis | | SCAN | Preserved specimen | 8/6/1949 | |
| | Melissodes | | | | | |
| Apidae | hymenoxidis | | SCAN | Preserved specimen | 8/1/1924 | |
| | Melissodes | | | | | |
| Apidae | microsticta | | SCAN | Preserved specimen | 8/21/1926 | |
| Apidae | Melissodes rivalis | | KU | Preserved specimen | 8/6/1949 | |
| Apidae | Melissodes tristis | | USDA-ARS | Preserved specimen | 8/19/1935 | |
| Apidae | Nomada crawfordi | | USDA-ARS | Preserved specimen | 8/8/1949 | |
| Apidae | Panurginus atriceps | | SCAN | Preserved specimen | 8/23/1926 | |
| Apidae | Panurginus sp. | | SCAN | Preserved specimen | 8/1/1924 | |
| | Protandrena | | | | | |
| Apidae | albitarsis porterae | | KU | Preserved specimen | 8/6/1949 | |
| Apidae | Protandrena bakeri | | KU | Preserved specimen | 8/22/1935 | |
| Apidae | Svastra obliqua | | SCAN | Preserved specimen | 8/20/1935 | |
| | Svastra obliqua | | | | | |
| Apidae | expurgata | | USDA-ARS | Preserved specimen | 8/20/1935 | |
| | Svastra obliqua | | | | | |
| Apidae | obliqua | | KU | Preserved specimen | 8/22/1935 | |
| Apidae | Triepeolus texanus | | KU | Preserved specimen | 8/6/1949 | |

| | | | | Observed/ | | |
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| | | | | Preserved/ | | |
| Family | Scientific Name | Common Name | Source | Modeled | Observation Date | CNHP Ranks |
| | Gnophaela | | | | | |
| Arctiidae | vermiculata | | CSU | Preserved specimen | 8/17/1932 | |
| Asellidae | Lirceus sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Asilidae | Laphria asackeni | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Bateidae | Baetis bicaudatus | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Bateidae | Baetis tricaudatus | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Bateidae | Callibaetis sp. | | INHS | Preserved specimen | 9/3/1989 | |
| Bibionidae | Dilophus sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Bombylidae | Bombylius sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Bombylidae | Hemipenthes sp. | | iNaturalist | Visual observation | 7/27/2019 | |
| Bombylidae | Poecilanthrax sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Bosminidae | Bosmina sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| | Brachycentrus | | | | | |
| Brachycentridae | americanus | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Braconidae | Bracon sp. | | KU | Preserved specimen | 7/11/1937 | |
| Braconidae | Chelonus sp. | | SCAN | Preserved specimen | 8/1/1925 | |
| Braconidae | Cremnops vulgaris | | KU | Preserved specimen | 8/14/1933 | |
| Braconidae | Dinotrema sp. | | INHS | Preserved specimen | 8/17/1932 | |
| Braconidae | Microplitis sp. | | KU | Preserved specimen | 7/11/1937 | |
| Braconidae | Phaenocarpa curvata | | KU | Preserved specimen | 7/11/1937 | |
| Braconidae | Phaenocarpa sp. | | KU | Preserved specimen | 8/6/1949 | |
| Brentidae | Apion sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Buprestidae | Buprestis lyrata | | TAMU | Preserved specimen | 8/16/1930 | |
| Buprestidae | Buprestis rusticorum | | UCM | Preserved specimen | 8/15/1932 | |
| | Chrysobothris | | | | | |
| Buprestidae | carinipennis | | UCM | Preserved specimen | 8/16/1933 | |
| | Chrysobothris | | | | | |
| Buprestidae | monticola | | UCM | Preserved specimen | 8/14/1933 | |

| | | | | Observed/ | | |
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| Family | Scientific Name | Common Name | Source | Preserved/ Modeled | Observation Date | CNHP Ranks |
| | Chrysobothris | | Journe | mouelea | | |
| Buprestidae | trinervia | | SCAN | Preserved specimen | 8/21/1925 | |
| Calliphoridae | Calliphoria sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Calliphoridae | Phormia regina | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Cantharidae | Chauliognathus basalis | | UCM | Preserved specimen | 8/15/1932 | |
| Carabidae | Amara quenseli | | SCAN | Preserved specimen | 8/16/1932 | |
| Carabidae | Bembidion bifossulatum | | CSU | Preserved specimen | 3, 10, 1332 | |
| Carabidae | Bembidion coloradense | | SCAN | Preserved specimen | 6/1/1936 | |
| Carabidae | Bembidion sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Carabidae | Carabus sp. | | BYU | Preserved specimen | | |
| Carabidae | Carabus taedatus | | SCAN | Preserved specimen | 8/18/1926 | |
| Carabidae | Cicindela limbalis | | SCAN | Preserved specimen | 8/21/1926 | |
| Carabidae | Cicindela longilabris | | SCAN | Preserved specimen | 8/15/1924 | |
| Carabidae | Cicindela longilabris laurentii | | CSU | Preserved specimen | 7/5/1992 | |
| Carabidae | Cicindela nebraskana | | BYU | Preserved specimen | | |
| Carabidae | Cicindela punctulata | | BYU | Preserved specimen | | |
| Carabidae | Cicindela punctulata punctulata | | CSU | Preserved specimen | 9/5/2004 | |
| Carabidae | Harpalus nigritarsis | | SCAN | Preserved specimen | 8/21/1925 | |
| Carabidae | Harpalus sp. | | BYU | Preserved specimen | | |
| Carabidae | Pterostichus adstrictus | | SCAN | Preserved specimen | 8/18/1926 | |
| Carabidae | Pterostichus caudicalis | | BYU | Preserved specimen | | |

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| | | | | Preserved/ | | |
| Family | Scientific Name | Common Name | Source | Modeled | Observation Date | CNHP Ranks |
| | Pterostichus | | | | 0/10/1000 | |
| Carabidae | protractus | | SCAN | Preserved specimen | 8/18/1926 | |
| Carabidae | Pterostichus sp. | | BYU | Preserved specimen | 8/17/1932 | |
| | Monochamus | | D. D. (2015) | | | |
| Cerambycidae | clamator | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| 0 1 11 | Monochamus | | | | 0/06/4006 | |
| Cerambycidae | scutellatus | | SCAN | Preserved specimen | 8/26/1926 | |
| Ceratopogonidae | Atrichopogon sp. | | KU | Preserved specimen | 7/11/1937 | |
| Ceratopogonidae | Bezzia spp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Chironomidae | Orthocladinae spp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Chironomidae | Tanytarsini spp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| | | | | Preserved | | |
| Chloroperlidae | Alloperla pilosa | | SCAN | specimen | 8/1/1924 | G3S2 |
| Chloroperlidae | Plumiperla diversa | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Chloroperlidae | Suwallia starki | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Chloroperlidae | Sweltsa borealis | | SCAN | Preserved specimen | 8/1/1924 | |
| Chloroperlidae | Sweltsa lamba | | SCAN | Preserved specimen | 8/1/1924 | |
| Chloroperlidae | Sweltsa sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Chloropidae | Phora stictica | | LACM | Preserved specimen | | |
| Chrysididae | Chrysidini sp. | | iNaturalist | Visual observation | 6/3/2019 | |
| Chrysididae | Chrysis sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Chrysididae | Philoctetes variatus | | EMEC | Preserved specimen | 8/6/1949 | |
| Chrysomelidae | Altica sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Chrysomelidae | Trirhabda canadensis | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Chrysopidae | Chrysoperla sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| , , | Agallia | | | | | |
| Cicadellidae | sanguinolenta | | SCAN | Preserved specimen | 8/20/1923 | |
| Cicadellidae | Amblysellus acuerus | | SCAN | Preserved specimen | 8/19/1930 | |
| Cicadellidae | Amblysellus grex | | SCAN | Preserved specimen | 8/18/1931 | |

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| | | | | Preserved/ | | |
| Family | Scientific Name | Common Name | Source | Modeled | Observation Date | CNHP Ranks |
| | Athysanella | | | | | |
| Cicadellidae | acuticauda | | INHS | Preserved specimen | | |
| Cicadellidae | Athysanella lunata | | INHS | Preserved specimen | | |
| Cicadellidae | Auridius auratus | | SCAN | Preserved specimen | 8/20/1925 | |
| Cicadellidae | Balclutha sp. | | SCAN | Preserved specimen | 8/14/1963 | |
| Cicadellidae | Ceratagallia uhleri | | SCAN | Preserved specimen | 8/20/1923 | |
| Cicadellidae | Cicadula ciliata | | SCAN | Preserved specimen | 8/15/1924 | |
| Cicadellidae | Cicadula decipiens | | SCAN | Preserved specimen | 8/20/1925 | |
| Cicadellidae | Cicadula longiseta | | SCAN | Preserved specimen | 8/14/1963 | |
| Cicadellidae | Colladonus belli | | SCAN | Preserved specimen | 8/20/1923 | |
| Cicadellidae | Cuerna alpina | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| | Deltocephalus | | | | | |
| Cicadellidae | nigriventer | | SCAN | Preserved specimen | 8/19/1932 | |
| | Diplocolenus | | | | | |
| Cicadellidae | abdominalis | | SCAN | Preserved specimen | 8/20/1925 | |
| | Draeculacephala | | | | | |
| Cicadellidae | angulifera | | SCAN | Preserved specimen | 8/18/1932 | |
| Cicadellidae | Draeculacephala sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Cicadellidae | Empoasca clypeata | | SCAN | Preserved specimen | 8/24/1922 | |
| Cicadellidae | Empoasca coccinea | | SCAN | Preserved specimen | 8/20/1929 | |
| Cicadellidae | Empoasca livingstonii | | SCAN | Preserved specimen | 8/20/1929 | |
| Cicadellidae | Empoasca obtusa | | SCAN | Preserved specimen | 8/24/1923 | |
| | Empoasca | | | | | |
| Cicadellidae | smaragdula | | SCAN | Preserved specimen | 1/1/1925 | |
| Cicadellidae | Empoasca sp. | | SCAN | Preserved specimen | 8/20/1929 | |
| Cicadellidae | Endria inimica | | SCAN | Preserved specimen | 8/14/1963 | |
| Cicadellidae | Errastunus ocellaris | | SCAN | Preserved specimen | 8/20/1925 | |
| Cicadellidae | Errhomus lineatus | | SCAN | Preserved specimen | 8/15/1924 | |
| Cicadellidae | Exitianus exitiosus | | SCAN | Preserved specimen | 8/20/1923 | |

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| Family | Scientific Name | Common Name | Source | Modeled | Observation Date | CNHP Ranks |
| Cicadellidae | Idiocerus pallidus | | SCAN | Preserved specimen | 8/15/1924 | |
| Cicadellidae | Idiocerus productus | | SCAN | Preserved specimen | 8/20/1923 | |
| Cicadellidae | Idiocerus vagus | | SCAN | Preserved specimen | 8/14/1963 | |
| Cicadellidae | Idiodonus cockerelli | | SCAN | Preserved specimen | 8/18/1931 | |
| Cicadellidae | Kybos adunca | | SCAN | Preserved specimen | 8/1/1924 | |
| Cicadellidae | Kybos clypeata | | SCAN | Preserved specimen | 8/1/1924 | |
| Cicadellidae | Kybos gelbata | | SCAN | Preserved specimen | 8/22/1931 | |
| Cicadellidae | Kybos obtusa | | SCAN | Preserved specimen | 8/15/1924 | |
| Cicadellidae | Laevicephalus bidentata | | SCAN | Preserved specimen | 6/20/1929 | |
| Cicadellidae | Latalus histrionicus | | SCAN | Preserved specimen | 8/14/1963 | |
| Cicadellidae | Lemellus bimaculatus | | SCAN | Preserved specimen | 8/15/1924 | |
| Cicadellidae | Macropsis basalis | | SCAN | Preserved specimen | 8/15/1924 | |
| Cicadellidae | Macropsis bifasciata | | SCAN | Preserved specimen | 8/15/1924 | |
| Cicadellidae | Macrosteles sp. | | SCAN | Preserved specimen | 8/14/1963 | |
| Cicadellidae | Neoaliturus tenellus | | SCAN | Preserved specimen | 8/14/1963 | |
| Cicadellidae | Pasaremus concentricus | | SCAN | Preserved specimen | 8/14/1963 | |
| Cicadellidae | Polyamia compacta | | SCAN | Preserved specimen | 8/20/1925 | |
| Cicadellidae | Psammotettix alienus | | SCAN | Preserved specimen | | |
| Cicadellidae | Psammotettix lividella | | SCAN | Preserved specimen | 8/20/1929 | |
| Cicadellidae | Scaphytopius acutus | | SCAN | Preserved specimen | 8/20/1925 | |
| Cicadellidae | Sonronius arcuatus | | SCAN | Preserved specimen | 8/18/1932 | |
| Cicadellidae | Sorhoanus debilis | | SCAN | Preserved specimen | 8/20/1925 | |
| Cicadellidae | Verdanus abdominalis | | SCAN | Preserved specimen | 8/20/1925 | |
| Cleridae | Enoclerus sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |

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| Family. | Scientific Name | Common Name | Course | Preserved/ Modeled | Observation Date | CNHP Ranks |
| Family | Trichodes ornatus | Common Name | Source | Modeled | Observation Date | CNAP Kanks |
| Cleridae | ornatus | | UCM | Preserved specimen | 8/16/1933 | |
| | Coccinella | | | | | |
| | transversoguttata | | | | | |
| Coccinellidae | richardsoni | | SCAN | Preserved specimen | 8/1/1925 | |
| Coccinellidae | Coccinellidae sp. | | SCAN | Preserved specimen | 8/23/1926 | |
| | Hippodamia | | | | | |
| Coccinellidae | convergens | | SCAN | Preserved specimen | 8/23/1926 | |
| | Hippodamia | | | | | |
| Coccinellidae | parenthesis | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| | Colletes consors | | | | | |
| Colletidae | consors | | SCAN | Preserved specimen | 6/20/1929 | |
| Colletidae | Colletes trigonatus | | USDA-ARS | Preserved specimen | 8/15/1932 | |
| Colletidae | Hylaeus basalis | | KU | Preserved specimen | 8/6/1949 | |
| | Hylaeus modestus | | | | | |
| Colletidae | citrinifrons | | KU | Preserved specimen | 8/22/1935 | |
| Colletidae | Hylaeus sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Colletidae | Hylaeus wootoni | | KU | Preserved specimen | 8/6/1949 | |
| Corimelaenidae | Allocoris nigra | | SCAN | Preserved specimen | 8/20/1925 | |
| Corixidae | Arctocorisa lawsoni | | SCAN | Preserved specimen | 8/1/1925 | |
| Corixidae | Arctocorisa sp. | | SCAN | Preserved specimen | 8/1/1925 | |
| Corixidae | Arctocorisa sutilis | | SCAN | Preserved specimen | 8/1/1925 | |
| Corixidae | Callicorixa audeni | | SCAN | Preserved specimen | 8/1/1925 | |
| Corixidae | Cenocorixa utahensis | | SCAN | Preserved specimen | 8/1/1925 | |
| | Hesperocorixa | | | | | |
| Corixidae | atopodonta | | SCAN | Preserved specimen | 8/1/1925 | |
| | Hesperocorixa | | | | | |
| Corixidae | laevigata | | SCAN | Preserved specimen | 8/21/1926 | |

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| | | | | Preserved/ | | |
| Family | Scientific Name | Common Name | Source | Modeled | Observation Date | CNHP Ranks |
| Carividae | Hesperocorixa | | SCAN | Duna a mua di a ma a i ma a m | 0/1/1025 | |
| Corixidae | vulgaris | | | Preserved specimen | 8/1/1925 | |
| Corixidae | Sigara alternata | | SCAN | Preserved specimen | 8/1/1925 | |
| Corixidae | Sigara sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Corixidae | Trichocorixa borealis | | SCAN | Preserved specimen | 8/20/1923 | |
| Crabronidae | Ectemnius borealis | | UCM | Preserved specimen | 8/15/1932 | |
| Crabronidae | Ectemnius rufifemur | | UCM | Preserved specimen | 8/15/1932 | |
| Crabronidae | Padolonia sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Crabronidae | Philanthus sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Crabronidae | Podalonia luctuosa | | UCM | Preserved specimen | 8/14/1934 | |
| | Podalonia | | | | | |
| Crabronidae | occidentalis | | UCM | Preserved specimen | 8/16/1933 | |
| Culicidae | Aedes communis | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| | Dendroctonus | | | | | |
| Curculionidae | ponderosae | | SCAN | Preserved specimen | 8/24/1995 | |
| | Dendroctonus | | | | | |
| Curculionidae | rufipennis | | CSU | Preserved specimen | 10/9/1976 | |
| | Gnathotrichus | | | | | |
| Curculionidae | denticulatus | | CSU | Preserved specimen | 8/30/1995 | |
| Curculionidae | Magdalis sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Curculionidae | Otiorhynchus ovatus | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Delphacidae | Megamelus flavus | | SCAN | Preserved specimen | 8/15/1924 | |
| Dolichopodidae | Dolichopus sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Dolichopodidae | Rhaphium colutis | | USNM | Preserved specimen | 7/11/1937 | |
| Dytiscidae | Acilius sp. | | SCAN | Preserved specimen | 8/1/1924 | |
| Dytiscidae | Agabus obliteratus | | SCAN | Preserved specimen | 8/1/1925 | |
| Dytiscidae | Agabus sp. | | SCAN | Preserved specimen | 8/2/1925 | |
| Dytiscidae | Ilybius angustior | | SCAN | Preserved specimen | 8/3/1925 | |
| Dytiscidae | Ilybius subaeneus | | SCAN | Preserved specimen | 8/4/1925 | |

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| Family | Scientific Name | Common Name | Source | Modeled | Observation Date | CNHP Ranks |
| Dytiscidae | Neoporus dimidiatus | | SCAN | Preserved specimen | 8/17/1925 | |
| | Heterlimnius | | | | | |
| Elmidae | corpulentus | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Empididae | Hemerodromia sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| | Entomobrya | | | | | |
| Entomobryidae | comparata | | INHS | Preserved specimen | 8/20/1924 | |
| Ephemerellidae | Drunella coloradensis | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Ephemerellidae | Drunella doddsii | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| | Ephemerella dorthea | | | | | |
| Ephemerellidae | infrequens | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Ephydridae | Notiphila sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Ephydridae | Scatella sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Eremaeidae | Eremaeus oblongus | | NRM | Preserved specimen | 8/14/1954 | |
| Eresidae | Scoliopteryx libatrix | | CSU | Preserved specimen | 9/12/2015 | |
| | Cypherotylus | | | | | |
| Erotylidae | californicus | | iNaturalist | Visual observation | 6/15/2017 | |
| | Ancistrocerus | | | | | |
| Eumenidae | adiabatus | | SCAN | Preserved specimen | 8/23/1923 | |
| | Eumenes crucifera | | | | | |
| Eumenidae | nearcticus | | UCM | Preserved specimen | 8/17/1933 | |
| | Euodynerus | | | | | |
| Eumenidae | annulatus | | UCM | Preserved specimen | 8/17/1932 | |
| Eumenidae | Euodynerus sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| | Pseudepipona | | | | | |
| Eumenidae | herrichii aldrichi | | UCM | Preserved specimen | 8/16/1933 | |
| | Pterocheilus | | | | | |
| Eumenidae | quinquefasciatus | | UCM | Preserved specimen | 8/17/1932 | |
| | Symmorphus | | | | | |
| Eumenidae | cristatus | | UCM | Preserved specimen | 8/17/1933 | |

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| | | | | Preserved/ | | |
| Family | Scientific Name | Common Name | Source | Modeled | Observation Date | CNHP Ranks |
| Eumenidae | Vespula consobrina | | UCM | Preserved specimen | 8/17/1932 | |
| | Camponotus | | | | | |
| Formicidae | herculeanus | | BYU | Preserved specimen | 6/12/1940 | |
| | | Carpenter and | | ,,, , , , , , | 7/20/2024 | |
| Formicidae | Camponotus sp. | Sugar Ants | iNaturalist | Visual observation | 7/28/2021 | |
| Formicidae | Formica fusca | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| e t. t. t | E C | rufa-group Wood | 2NI a La calla I | After all allows a Pro- | 7/40/2024 | |
| Formicidae | Formica rufa | Ants | iNaturalist | Visual observation | 7/19/2021 | |
| Formicidae | Formica sp. | | BYU | Preserved specimen | | |
| Formicidae | Formica sp.1 | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Formicidae | Formica sp. 2 | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Formicidae | Lasius sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Formicidae | Leptothorax sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Formicidae | Myrmica incompleta | | SCAN | Preserved specimen | 8/1/1924 | |
| Formicidae | Myrmica sp.1 | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Formicidae | Myrmica sp.2 | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Formicidae | Myrmica sp.3 | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Formicidae | Myrmicinae sp. | Myrmicine Ants | iNaturalist | Visual observation | 6/3/2019 | |
| Formicidae | Tapinoma sessile | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| | | Western Conifer | | | | |
| Geometridae | Caripeta aequaliaria | Looper | iNaturalist | Visual observation | 7/15/2018 | |
| Geometridae | Ennomine sp. | | iNaturalist | Visual observation | 7/21/2018 | |
| | Eulithis destinata | | | | | |
| Geometridae | schistacea | | CSU | Preserved specimen | 8/18/1932 | |
| Gerridae | Gerris notabilis | | USNM | Preserved specimen | | |
| Gerridae | Gerris pingreensis | | SCAN | Preserved specimen | 8/20/1925 | |
| Gerridae | Gerris remigis | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Gerridae | Limnoporus nebularis | | SCAN | Preserved specimen | 4/18/1924 | |
| Gerridae | Limnoporus notabilis | | SCAN | Preserved specimen | 8/18/1924 | |

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| | | | | Preserved/ | | CAULD D I |
| Family | Scientific Name | Common Name | Source | Modeled | Observation Date | CNHP Ranks |
| Gyrinidae | Gyrinus picipes | | SCAN | Preserved specimen | 8/1/1924 | |
| I I a l'atial a | Agapostemon | | D: - DI:+- (2015) | Minus I alanamuntinu | 40/40/2045 | |
| Halictidae | angelica | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Halictidae | Agapostemon angelicus | | USDA-ARS | Preserved specimen | 8/19/1935 | |
| пансичае | Agapostemon | | USDA-AKS | Preserved specimen | 0/19/1955 | |
| Halictidae | femoratus | | KU | Preserved specimen | 8/22/1935 | |
| Hancidae | Agapostemon | | KO | Treserved specimen | 0/22/1333 | |
| Halictidae | texanus | | KU | Preserved specimen | 8/6/1949 | |
| Halictidae | Augochlora sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Halictidae | Dufourea harveyi | | USDA-ARS | Preserved specimen | 7/14/1933 | |
| Halictidae | Dufourea maura | | SCAN | Preserved specimen | 8/6/1949 | |
| Halictidae | Dufourea sp. | | SCAN | Preserved specimen | 7/14/1933 | |
| Halictidae | Halictus rubicundus | | EMEC | Preserved specimen | 8/22/1935 | |
| Halictidae | Halictus sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| | Lasioglossum | | | | -, -, - | |
| Halictidae | egregium | | SCAN | Preserved specimen | 8/6/1949 | |
| Halictidae | Lasioglossum sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Halictidae | Sphecodes sp. | | KU | Preserved specimen | 8/1/1924 | |
| Halictidae | Sphecodium sp. | | KU | Preserved specimen | 8/1/1924 | |
| Hemerobiidae | Hemerobius alpestris | | MCZ | Preserved specimen | 14/08/1874 | |
| | Hemerobius | | | | | |
| Hemerobiidae | stigmaterus | | MCZ | Preserved specimen | 8/14/1934 | |
| | Hemerobius | | | | | |
| Hemerobiidae | subacutus | | TAMU | Preserved specimen | 8/16/1934 | |
| | Sympherobius | | | | | |
| Hemerobiidae | distinctus | | MCZ | Preserved specimen | | |
| | Wesmaelius | | | | | |
| Hemerobiidae | subnebulosus | | SCAN | Preserved specimen | 8/18/1926 | |
| Heptageniidae | Epeorus deceptivus | | BioBlitz (2015) | Visual observation | 10/10/2015 | |

| | | | | Observed/ | | |
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| Family | Scientific Name | Common Name | Source | Preserved/ Modeled | Observation Date | CNHP Ranks |
| Heptageniidae | Rhithrogena hageni | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Hydrophilidae | Berosus sayi | | SCAN | Preserved specimen | 8/1/1924 | |
| Hydropsychidae | Arctopsyche grandis | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Hydroptilidae | Agraylea saltesea | | CSU | Preserved specimen | 7/29/1995 | |
| Hydroptilidae | Agraylea sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Ichneumonidae | Dolichomitus imperator | | SCAN | Preserved specimen | 8/16/1932 | |
| Ichneumonidae | Ichneumon canadensis | | SCAN | Preserved specimen | 8/16/1932 | |
| Ichneumonidae | Ichneumonidae | | C.A. Triplehorn Insect Collection, Ohio State University, Columbus, OH (OSUC) | Preserved specimen | 8/25/1953 | |
| Ichneumonidae | Spilichneumon nubivagus | | SCAN | Preserved specimen | 8/16/1932 | |
| Ichneumonidae | Woldstedtius flavolineatus | | SCAN | Preserved specimen | 8/17/1926 | |
| Isotomidae | Isotoma sp. | | INHS | Preserved specimen | 8/20/1924 | |
| Ixodidae | Dermacentor sp. | Dog Ticks | iNaturalist | Visual observation | 6/8/2016 | |
| Lasiocampidae | Malacosoma californica | | iNaturalist | Visual observation | 6/15/2017 | |
| Lepidostomatidae | Lepidostoma roafi | | CSU | Preserved specimen | 7/29/1995 | |
| Leptophlebiidae | Paraleptophlebia sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Lestidae | Lestes disjunctus | | SCAN | Preserved specimen | 8/21/1924 | |
| Lestidae | Lestes sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |

| | | | | Observed/ | | |
|-----------------|-----------------------|-------------|-----------------|-----------------------|------------------|---------------|
| Family | Scientific Name | Common Name | Source | Preserved/ Modeled | Observation Date | CNHP Ranks |
| Libellulidae | Sympetrum danae | Common Name | USNM | Preserved specimen | 8/23/1929 | CIVITY NATIKS |
| Limnephilidae | Chyrandra centralis | | SCAN | Preserved specimen | 8/15/1924 | |
| Limnephilidae | Dicosmoecus atripes | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Lillineplinidae | Grammotaulius | | BIOBIIL2 (2013) | Visual observation | 10/10/2013 | |
| Limnephilidae | lorettae | | SCAN | Preserved specimen | 8/15/1924 | |
| Limnephilidae | Limnephilidae sp. | | SCAN | Preserved specimen | 8/1/1924 | |
| | Limnephilus | | | | | |
| Limnephilidae | abbreviatus | | SCAN | Preserved specimen | 8/20/1925 | |
| | Limnephilus | | | | | |
| Limnephilidae | coloradensis | | SCAN | Preserved specimen | 8/1/1925 | |
| Limnephilidae | Limnephilus externus | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Limnephilidae | Limnephilus hyalinus | | CSU | Preserved specimen | 8/14/1934 | |
| Limnephilidae | Limnephilus indivisus | | SCAN | Preserved specimen | 8/20/1923 | |
| Limnephilidae | Limnephilus janus | | SCAN | Preserved specimen | 8/15/1924 | |
| | Limnephilus | | | | | |
| Limnephilidae | picturatus | | SCAN | Preserved specimen | 8/1/1929 | |
| | Limnephilus | | | | | |
| Limnephilidae | sublunatus | | SCAN | Preserved specimen | 8/1/1924 | |
| | Onocosmoecus | | | | | |
| Limnephilidae | unicolor | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Lycaenidae | Plebejus sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Lygaeidae | Nysius ericae | | SCAN | Preserved specimen | 8/21/1935 | |
| Lygaeidae | Nysius raphanus | | SCAN | Preserved specimen | 8/21/1935 | |
| Lygaeidae | Nysius sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Megachilidae | Anthidium atrifrons | | SCAN | Preserved specimen | 8/1/1949 | |
| | Ashmeadiella | | | | | |
| | californica | | | | | |
| Megachilidae | florissantensis | | KU | Preserved specimen | 8/22/1935 | |
| | Atoposmia | | | | | |
| Megachilidae | copelandica | | SCAN | Preserved specimen | 6/20/1929 | |

| | | | | Observed/ | | |
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| Family | Scientific Name | Common Name | Source | Preserved/ Modeled | Observation Date | CNHP Ranks |
| Megachilidae | Coelioxys porterae | Common Name | SCAN | Preserved specimen | 8/23/1926 | CIVITY NATIKS |
| Megachilidae | Dianthidium sp. | | KU | Preserved specimen | 8/6/1949 | |
| Wiegaciiiidae | <u> </u> | | I KO | r reserved specimen | 0,0,1343 | |
| Megachilidae | Hoplitis albifrons argentifrons | | KU | Preserved specimen | 8/6/1949 | |
| Megachilidae | Hoplitis fulgida | | KU | Preserved specimen | 8/6/1949 | |
| Megacillidae | Hoplitis fulgida | | NO . | rieserveu specimen | 0/0/1949 | |
| Megachilidae | fulgida | | KU | Preserved specimen | 8/6/1949 | |
| | Hoplitis producta | | | ' | , , | |
| Megachilidae | interior | | ΚU | Preserved specimen | 8/6/1949 | |
| Megachilidae | Hoplitis robusta | | KU | Preserved specimen | 8/22/1935 | |
| Megachilidae | Megachile agustini | | KU | Preserved specimen | 8/6/1949 | |
| | Megachile | | | | | |
| Megachilidae | dentitarsus | | KU | Preserved specimen | 8/22/1935 | |
| Megachilidae | Megachile frigida | | KU | Preserved specimen | 8/6/1949 | |
| Megachilidae | Megachile gemula | | KU | Preserved specimen | 8/6/1949 | |
| Megachilidae | Megachile giliae | | KU | Preserved specimen | 8/23/1926 | |
| Megachilidae | Megachile inermis | | KU | Preserved specimen | 7/6/1949 | |
| | Megachile | | | | | |
| Megachilidae | melanophaea | | KU | Preserved specimen | 7/11/1937 | |
| | Megachile | | | | | |
| Megachilidae | montivaga | | SCAN | Preserved specimen | 8/1/1949 | |
| Megachilidae | Megachile perihirta | | KU | Preserved specimen | 8/22/1935 | |
| Megachilidae | Megachile pugnata | | KU | Preserved specimen | 8/6/1949 | |
| Megachilidae | Megachile relativa | | SCAN | Preserved specimen | 8/22/1926 | |
| Megachilidae | Osmia bella | | USDA-ARS | Preserved specimen | 8/6/1949 | |
| Megachilidae | Osmia bucephala | | KU | Preserved specimen | 8/6/1949 | |
| Megachilidae | Osmia coloradensis | | KU | Preserved specimen | 8/6/1949 | |
| Megachilidae | Osmia juxta juxta | | KU | Preserved specimen | 8/14/1935 | |

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|--------------|-----------------------|-------------|-----------------|---------------------|------------------|------------|
| | Scientific Name | Common Name | | Preserved/ | | |
| Family | | | Source | Modeled | Observation Date | CNHP Ranks |
| | Osmia montana | | | | | |
| Megachilidae | montana | | SCAN | Preserved specimen | 8/1/1923 | |
| Megachilidae | Osmia pentstemonis | | USDA-ARS | Preserved specimen | 8/6/1949 | |
| Megachilidae | Osmia pingreeana | | KU | Preserved specimen | 8/14/1933 | |
| Megachilidae | Osmia subaustralis | | SCAN | Preserved specimen | 8/6/1949 | |
| | Osmia subpurpurea | | | | | |
| Megachilidae | jamesi | | USNM | Preserved specimen | 8/19/1935 | |
| Melitidae | Ameletus sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Meloidae | Meloe sp. | Oil Beetles | iNaturalist | Visual observation | 6/3/2019 | |
| Melyridae | Amecocerus sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Membracidae | Spissistilus borealis | | SCAN | Preserved specimen | 8/16/1924 | |
| Miridae | Aoplonema rubrum | | SCAN | Preserved specimen | 7/14/1986 | |
| Miridae | Atractotomus balli | | SCAN | Preserved specimen | 7/14/1986 | |
| | Ceratocapsus | | | | | |
| Miridae | apicatus | | SCAN | Preserved specimen | 8/22/1925 | |
| | Ceratocapsus | | | | | |
| Miridae | biformis | | SCAN | Preserved specimen | 8/15/1924 | |
| | Ceratocapsus | | | | | |
| Miridae | geminatus | | SCAN | Preserved specimen | 8/20/1925 | |
| | Ceratocapsus | | | | 0/10/1000 | |
| Miridae | pilosulus | | TAMU | Preserved specimen | 8/16/1930 | |
| Miridae | Collaria sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| N 4::-l | Compsidolon | | TANALI | Dunganus de constru | 0/46/4000 | |
| Miridae | pumilum | | TAMU | Preserved specimen | 8/16/1930 | |
| Miridae | Dacota hesperia | | SCAN | Preserved specimen | 8/1/1925 | |
| Miridae | Deraeocoris piceicola | | USNM | Preserved specimen | 8/20/1925 | |
| N 4:: -l | Dichaetocoris | | CCAN | Dunganus de constru | 0/0/4025 | |
| Miridae | piceicola | | SCAN | Preserved specimen | 8/8/1925 | |
| Miridao | Dichaetocoris | | SCAN | Droconyod sposimon | 0/2/1072 | |
| Miridae | spinosus | | SCAN | Preserved specimen | 9/3/1972 | |

| | | | | Observed/ | | |
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| | | | | Preserved/ | | |
| Family | Scientific Name | Common Name | Source | Modeled | Observation Date | CNHP Ranks |
| | Dichrooscytus | | | | | |
| Miridae | angustifrons | | USNM | Preserved specimen | 8/22/1925 | |
| | Dichrooscytus | | | | | |
| Miridae | latifrons | | USNM | Preserved specimen | 8/20/1925 | |
| N 4 i wi al a a | Dichrooscytus | | CCAN | Duna a mua di ana a ima a m | 0/22/4025 | |
| Miridae | ruberellus | | SCAN | Preserved specimen | 8/22/1925 | |
| Miridae | Dichrooscytus sp. | | TAMU | Preserved specimen | 8/16/1930 | |
| Miridae | Dichrooscytus suspectus | | SCAN | Preserved specimen | 8/15/1924 | |
| Miridae | Europiella sp. | | TAMU | Preserved specimen | 8/16/1930 | |
| Miridae | Hadronema militare | | SCAN | | 8/23/1923 | |
| Miridae | | | SCAN | Preserved specimen | | |
| Miridae | Hadronema sp. Halticus intermedius | | SCAN | Preserved specimen | 8/20/1935 | |
| | | | | Preserved specimen | 8/20/1923 | |
| Miridae | Ilnacora chloris | | TAMU | Preserved specimen | 8/16/1930 | |
| Miridae | Ilnacora malina | | SCAN | Preserved specimen | 8/20/1925 | |
| | Knightomiroides | | | | | |
| Miridae | nigrovirgatus | | SCAN | Preserved specimen | 8/20/1925 | |
| | Labopidea simplex | | | | | |
| Miridae | nigriventris | | USNM | Preserved specimen | 8/15/1924 | |
| Miridae | Labops hirtus | | SCAN | Preserved specimen | 8/15/1924 | |
| Miridae | Labops sp. | | SCAN | Preserved specimen | 8/14/1933 | |
| | Lepidopsallus | | | | | |
| Miridae | longirostris | | USNM | Preserved specimen | 8/20/1925 | |
| Miridae | Lopidea balli | | TAMU | Preserved specimen | 8/16/1930 | |
| Miridae | Lopidea cuneata | | SCAN | Preserved specimen | 8/21/1923 | |
| Miridae | Lopidea nigridia | | SCAN | Preserved specimen | 8/15/1924 | |
| Miridae | Lygidea ceanothi | | USNM | Preserved specimen | 8/20/1925 | |
| Miridae | Lygidea varius | | USNM | Preserved specimen | 8/22/1925 | |
| Miridae | Lygocoris pabulinus | | TAMU | Preserved specimen | 8/16/1930 | |

| | | | | Observed/ | | |
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| Family | Scientific Name | Common Name | Source | Preserved/ Modeled | Observation Date | CNHP Ranks |
| Miridae | Lygus elisus | | TAMU | Preserved specimen | 8/16/1930 | |
| Miridae | Lygus potentillae | | TAMU | Preserved specimen | 8/16/1930 | |
| Miridae | Lygus punctatus | | TAMU | Preserved specimen | 8/16/1930 | |
| Miridae | Lygus shulli | | TAMU | Preserved specimen | 8/16/1930 | |
| Miridae | Lygus sp.1 | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Miridae | Lygus sp.2 | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Miridae | Lygus sp.3 | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Miridae | Lygus varius | | USNM | Preserved specimen | 8/22/1925 | |
| Miridae | Mecomma angustata | | SCAN | Preserved specimen | 8/22/1925 | |
| | Oncerometopus | | | | | |
| Miridae | impictus | | SCAN | Preserved specimen | 8/22/1925 | |
| Miridae | Orectoderus obliquus | | SCAN | Preserved specimen | 7/14/1986 | |
| | Orthotylus | | | | | |
| Miridae | candidatus | | SCAN | Preserved specimen | 8/22/1925 | |
| | Orthotylus | | | | | |
| Miridae | coagulatus | | TAMU | Preserved specimen | 8/16/1930 | |
| Miridae | Orthotylus katmai | | SCAN | Preserved specimen | 8/22/1925 | |
| Miridae | Parthenicus ribesi | | SCAN | Preserved specimen | 8/20/1925 | |
| Miridae | Parthenicus sp. | | SCAN | Preserved specimen | 7/14/1986 | |
| | Phoenicocoris | | | | | |
| Miridae | longirostris | | SCAN | Preserved specimen | 8/20/1925 | |
| Miridae | Phytocoris comulus | | TAMU | Preserved specimen | 8/16/1930 | |
| | Phytocoris | | | | | |
| Miridae | heidemanni | | SCAN | Preserved specimen | 8/20/1925 | |
| Miridae | Phytocoris sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Miridae | Phytocoris stellatus | | SCAN | Preserved specimen | 8/22/1925 | |
| | Pilophorus | | | | | |
| Miridae | americanus | | SCAN | Preserved specimen | 8/22/1925 | |
| Miridae | Pilophorus crassipes | | SCAN | Preserved specimen | 8/22/1925 | |

| | | | | Observed/ | | |
|---------|------------------------------|----------------|-----------------|-----------------------|------------------|--------------|
| Family | Scientific Name | Common Name | Source | Preserved/ Modeled | Observation Date | CNHP Ranks |
| Miridae | Pilophorus diffusus | Common realite | SCAN | Preserved specimen | 8/22/1925 | Civiii Rains |
| Miridae | Pilophorus dislocatus | | TAMU | Preserved specimen | 8/16/1930 | |
| Miridae | Pilophorus tibialis | | TAMU | Preserved specimen | 8/16/1930 | |
| Miridae | Pinalitus sp. | | TAMU | Preserved specimen | 8/16/1930 | |
| Miridae | Plagiognathus brunneus | | TAMU | Preserved specimen | 8/16/1930 | |
| Miridae | Plagiognathus Iongipennis | | SCAN | Preserved specimen | 8/15/1924 | |
| Miridae | Plagiognathus sp. | | TAMU | Preserved specimen | 8/16/1930 | |
| Miridae | Platylygus luridus | | SCAN | Preserved specimen | 8/22/1925 | |
| Miridae | Platylygus rubripes | | SCAN | Preserved specimen | 8/22/1925 | |
| Miridae | Platylygus sp. | | SCAN | Preserved specimen | 8/20/1925 | |
| Miridae | Polymerus basivittus | | SCAN | Preserved specimen | 8/18/1924 | |
| Miridae | Polymerus rubroornatus | | SCAN | Preserved specimen | 8/22/1925 | |
| Miridae | Pseudatomoscelis seriatus | | TAMU | Preserved specimen | 8/16/1930 | |
| Miridae | Sericophanes sp. | | TAMU | Preserved specimen | 8/16/1930 | |
| Miridae | Sixeonotus scabrosus | | SCAN | Preserved specimen | 8/20/1925 | |
| Miridae | Slaterocoris pallidicornis | | SCAN | Preserved specimen | 9/3/1972 | |
| Miridae | Stenodema vicinum | | SCAN | Preserved specimen | 8/20/1923 | |
| Miridae | Teleorhinus cyaneus | | SCAN | Preserved specimen | 7/14/1986 | |
| Miridae | Teratocoris saundersi | | SCAN | Preserved specimen | 8/15/1924 | |
| Miridae | Tingini sp. | | iNaturalist | Visual observation | 7/20/2021 | |
| Nabidae | Nabicula sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Nabidae | Nabis alternata | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Nabidae | Nabis alternatus | | SCAN | Preserved specimen | 8/20/1923 | |
| Nabidae | Nabis inscriptus | | SCAN | Preserved specimen | 8/20/1925 | |

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| Family | Scientific Name | Common Name | Source | Modeled | Observation Date | CNHP Ranks |
| Nabidae | Nabis sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Nemouridae | Amphinemura banksi | | SCAN | Preserved specimen | 8/1/1924 | |
| Nemouridae | Malenka californica | | SCAN | Preserved specimen | 8/23/1926 | |
| Nemouridae | Malenka coloradensis | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Nemouridae | Zapada oregonensis | Oregon Forestfly | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Noctuidae | Euxoa auxiliaris | | CSU | Preserved specimen | 9/12/2015 | |
| Noctuidae | Hydraecia medialis | | CSU | Preserved specimen | 9/12/2015 | |
| Noctuidae | Richia praefixa | | CSU | Preserved specimen | 9/12/2015 | |
| Notonectidae | Notonecta kirbyi | | SCAN | Preserved specimen | 8/1/1925 | |
| Notonectidae | Notonecta undulata | | SCAN | Preserved specimen | 8/1/1925 | |
| Nymphalidae | Boloria sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Nymphalidae | Limenitis weidemeyerii | | iNaturalist | Visual observation | 7/22/2019 | |
| Nymphalidae | Polygonia gracilis | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Nymphalidae | Speyeria edwardsii | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Nymphalidae | Speyeria sp.1 | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Papilionidae | Parnassius smintheus subsp.sayii | | SCAN | Preserved specimen | 6/23/1974 | |
| Pentatomidae | Carpocoris remotus | | SCAN | Preserved specimen | 8/18/1935 | |
| Pentatomidae | Chlorochroa congrua | | SCAN | Preserved specimen | 8/18/1935 | |
| Pentatomidae | Chlorochroa ligata | | SCAN | Preserved specimen | 8/18/1935 | |
| Pentatomidae | Chlorochroa sayi | | SCAN | Preserved specimen | 8/18/1935 | |
| Pentatomidae | Holcostethus limbolarius | | SCAN | Preserved specimen | 8/20/1927 | |
| Pentatomidae | Peribalus limbolarius | | SCAN | Preserved specimen | 8/18/1935 | |
| Pentatomidae | Perillus lunatus | | USNM | Preserved specimen | 8/25/1922 | |
| Pentatomidae | Thyanta custator | | BYU | Preserved specimen | | |

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| | | | | Preserved/ | | |
| Family | Scientific Name | Common Name | Source | Modeled | Observation Date | CNHP Ranks |
| | Thyanta pallidovirens | | | | | |
| Pentatomidae | spinosa | | SCAN | Preserved specimen | 8/18/1935 | |
| Perlidae | Claassenia sabulosa | | KU | Preserved specimen | 8/22/1931 | |
| Perlidae | Hesperoperla pacifica | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Perlodidae | Isoperla fulva | | SCAN | Preserved specimen | 1/1/1923 | |
| Perlodidae | Isoperla sobria | | SCAN | Preserved specimen | 8/23/1926 | |
| Perlodidae | Kogotus modesta | | SCAN | Preserved specimen | 1/1/1924 | |
| Perlodidae | Kogotus modestus | | SCAN | Preserved specimen | 8/23/1926 | |
| Perlodidae | Kogotus mudestus | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Perlodidae | Megarcys signata | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Perlodidae | Skwala americana | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Pieridae | Colias alexandra | | YPM | Preserved specimen | 8/16/1932 | |
| Pieridae | Colias eurytheme | | CSU | Preserved specimen | 8/17/1932 | |
| Pieridae | Colias meadii | | CSU | Preserved specimen | 8/18/1932 | |
| Pieridae | Neophasia menapia | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| | Neophasia menapia | | | | | |
| Pieridae | magnamenapia | | CSU | Preserved specimen | 9/12/2015 | |
| | | Tent Caterpillar | | | | |
| Pilumnidae | Malacosoma sp. | Moths | iNaturalist | Visual observation | 7/21/2018 | |
| | Evagetes | | | | | |
| Piophilidae | hyacinthinus | | UCM | Preserved specimen | 8/15/1933 | |
| Psychodidae | Pericoma sp. | | MSU | Preserved specimen | 8/13/1934 | |
| Rhopalidae | Arhyssus sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Rhyacophilidae | Rhyacophila brunnea | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Rhyacophilidae | Rhyacophila verrula | | SCAN | Preserved specimen | 8/1/1925 | |
| | Scathophaga | | | | | |
| Scathophagidae | stercoraria | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Scutelleridae | Eurygaster alternatus | | BioBlitz (2015) | Visual observation | 10/10/2015 | |

| | | | | Observed/ | | |
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| Family | Scientific Name | Common Name | Source | Preserved/ Modeled | Observation Date | CNHP Ranks |
| T diffility | Homaemus | Common Name | Source | Modeled | Observation bate | Civili Rains |
| Scutelleridae | aeneifrons | | BYU | Preserved specimen | | |
| | Homaemus | | | · | | |
| Scutelleridae | aeneifrons consors | | TAMU | Preserved specimen | 8/16/1930 | |
| Scutelleridae | Homaemus bijugis | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Silphidae | Nicrophorus orbicollis | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| | Thanatophilus | | | | | |
| Silphidae | lapponicus | | SCAN | Preserved specimen | 8/14/1933 | |
| | Prosimulium | | | | | |
| Simuliidae | onychodactylum | | SCAN | Preserved specimen | 8/21/1926 | |
| Simuliidae | Prosimulium sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Simuliidae | Simulium sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Simuliidae | Simulium vittatum | | KU | Preserved specimen | 7/11/1967 | |
| Sphingidae | Smerinthus cerisyi | | GMNH | Preserved specimen | 6/29/1972 | |
| Sphingidae | Smerinthus sp. | Eyed Hawkmoths | iNaturalist | Visual observation | 6/8/2018 | |
| Staphylinidae | Lordithon thoracicus | | KU | Preserved specimen | 7/11/1937 | |
| Staphylinidae | Stenus sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Syrphidae | Allograpta obligua | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Syrphidae | Cheilosia lucta | | SCAN | Preserved specimen | 8/1/1925 | |
| Syrphidae | Eristalis hirta | | SCAN | Preserved specimen | 8/23/1924 | |
| Syrphidae | Eupeodes volucris | | SCAN | Preserved specimen | 8/23/1924 | |
| | Helophilus | | | | | |
| Syrphidae | groenlandicus | | SCAN | Preserved specimen | 8/1/1925 | |
| Syrphidae | Helophilus latifrons | | SCAN | Preserved specimen | 8/1/1925 | |
| Syrphidae | Helophilus obscurus | | SCAN | Preserved specimen | 8/1/1925 | |
| | Melanostoma | | | | | |
| Syrphidae | stegnum | | SCAN | Preserved specimen | 8/23/1924 | |
| Syrphidae | Paragus borbonicus | | NMSA | Preserved specimen | 8/23/1924 | |
| Syrphidae | Paragus punctatus | | NMSA | Preserved specimen | 8/20/1924 | |

| | | | | Observed/ | | |
|------------------|-------------------------------|-------------|-----------------|-----------------------|------------------|--------------|
| Family | Scientific Name | Common Name | Source | Preserved/ Modeled | Observation Date | CNHP Ranks |
| Syrphidae | Platycheirus stegnus | Common Nume | SCAN | Preserved specimen | 8/1/1925 | CIVIII Names |
| Syrphidae | Sericomyia militaris | | SCAN | Preserved specimen | 8/22/1924 | |
| Syrphidae | Sphaerophoria contigua | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Syrphidae | Sphaerophoria nigritarsi | | SCAN | Preserved specimen | 8/1/1935 | |
| Syrphidae | Syrphus sp. | | SCAN | Preserved specimen | 8/21/1924 | |
| Syrphidae | Temnostoma sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Syrphidae | Toxomerus sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Syrphidae | Xylota sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Tabanidae | Haematopota sp. | Clegs | iNaturalist | Visual observation | 7/23/2021 | |
| Tachinidae | Archytas sp. | 0.080 | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Tachinidae | Gonia sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Taeniopterygidae | Taenionema pallidium | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Tenebrionidae | Corticeus sp. | | CSU | Preserved specimen | 8/30/1995 | |
| Tenebrionidae | Eleodes nigrina | | CSU | Preserved specimen | 9/5/2004 | |
| Tenthredinidae | Euura sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Tenthredinidae | Neodiprion abbotii | | SCAN | Preserved specimen | | |
| Tenthredinidae | Pristiphora sp. | | INHS | Preserved specimen | 7/11/1937 | |
| Tenthredinidae | Tenthredo ungava | | SCAN | Preserved specimen | 8/15/1924 | |
| Tenthredinidae | Tenthredro sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Tenuipalpidae | Acari sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Tetrigidae | Tetrix sp. | | UMMZ | Preserved specimen | 7/9/1938 | |
| Tettigoniidae | Anabrus simplex | | SCAN | Preserved specimen | 8/1/1924 | |
| Thyreocoridae | Corimelaena sp. | | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Tingidae | Corythucha distincta | | SCAN | Preserved specimen | | |
| Tingidae | Hesperotingis occidentalis | | SCAN | Preserved specimen | 8/15/1924 | |

| | | | | Observed/ Preserved/ | | |
|--------------|-----------------------|-------------------|-------------|----------------------|------------------|-------------------------------|
| Family | Scientific Name | Common Name | Source | Modeled | Observation Date | CNHP Ranks |
| Triophidae | Aceria dispar | | iNaturalist | Visual observation | 7/27/2019 | |
| | | Willow Bead Gall | | | | |
| Triophidae | Aculus tetanothrix | Mite | iNaturalist | Visual observation | 7/19/2021 | |
| FISH | | | | | | |
| Salmonidae | Oncorhynchus clarkii | Cutthroat Trout | CPW | Modeled | | |
| Salmonidae | Salmo trutta | Brown Trout | iNaturalist | Visual observation | 7/22/2021 | |
| Salmonidae | Salvelinus fontinalis | Brook Trout | iNaturalist | Visual observation | 7/22/2021 | |
| BIRD | | | | | | |
| A: : #: | A sainite a sasanaii | Canada Hawk | | Visual alasamatian | 7/12/2010 | |
| Accipitridae | Accipiter cooperii | Cooper's Hawk | CLO | Visual observation | 7/13/2019 | G5S3B, BLM, |
| | | Northern | | | | SWAP Tier 2, |
| Accipitridae | Accipiter gentilis | Goshawk | CLO | Visual observation | 4/16/2005 | USFS |
| | | Sharp-shinned | | | | |
| Accipitridae | Accipiter striatus | Hawk | CLO | Visual observation | 7/20/2015 | |
| | | | | | | G5S3S4B, S4N, |
| Accipitridae | Aquila chrysaetos | Golden Eagle | CLO | Visual observation | 7/24/2012 | SWAP Tier 1 |
| Accipitridae | Buteo jamaicensis | Red-tailed Hawk | CLO | Visual observation | 9/29/2020 | |
| Accipitridae | Circus hudsonius | Northern Harrier | CLO | Visual observation | 9/15/2007 | G5S3B, SWAP Tier 2 |
| | Haliaeetus | | | | | G5S3B, S3N, BLM, SWAP Tier |
| Accipitridae | leucocephalus | Bald Eagle | CLO | Visual observation | 7/23/2019 | 2, USFS, SC |
| Alcedinidae | Megaceryle alcyon | Belted Kingfisher | CLO | Visual observation | 9/6/2018 | |
| Anatidae | Anas acuta | Northern Pintail | CLO | Visual observation | 9/28/2018 | |

| | | | | Observed/ | | |
|---------------|----------------------|--------------------|--------|-----------------------|------------------|---------------|
| Family | Scientific Name | Common Name | Source | Preserved/ Modeled | Observation Date | CNHP Ranks |
| Tallilly | Scientific Name | Common Name | Jource | Visual observation, | Observation Date | CIVIII Railks |
| Anatidae | Anas crecca | Green-winged Teal | CNHP | Acoustic recording | 4/28/2022 | |
| | | G | | Visual observation, | | |
| Anatidae | Anas platyrhynchos | Mallard | CNHP | acoustic recording | 4/28/2022 | |
| Anatidae | Aythya collaris | Ring-necked Duck | CLO | Visual observation | 6/20/1989 | |
| Anatidae | Branta canadensis | Canada Goose | CLO | Visual observation | 6/8/2015 | |
| Anatidae | Spatula cyanoptera | Cinnamon Teal | DMNS | Preserved specimen | 9/26/1978 | |
| Anatidae | Spatula discors | Blue-winged Teal | DMNS | Preserved specimen | 9/26/1978 | |
| | | White-throated | | | | |
| Apodidae | Aeronautes saxatalis | Swift | CLO | Visual observation | 6/20/1989 | |
| | | | | | | G4S3B,SWAP |
| Apodidae | Cypseloides niger | Black Swift | CLO | Visual observation | 7/2/2019 | Tier 2 |
| Bombycillidae | Bombycilla cedrorum | Cedar Waxwing | CLO | Visual observation | 9/28/2018 | |
| | | Bohemian | | | | |
| Bombycillidae | Bombycilla garrulus | Waxwing | DMNS | Preserved specimen | 1/30/1969 | |
| | | Common | | | | |
| Caprimulgidae | Chordeiles minor | Nighthawk | CLO | Visual observation | 7/23/2019 | |
| Cardinalidae | Passerina amoena | Lazuli Bunting | CLO | Visual observation | 8/17/2014 | |
| | Pheucticus | Rose-breasted | | | | |
| Cardinalidae | ludovicianus | Grosbeak | DMNS | Preserved specimen | 10/11/1983 | |
| | Pheucticus | Black-Headed | | | | |
| Cardinalidae | melanocephalus | Grosbeak | CLO | Visual observation | 7/22/2019 | |
| Cardinalidae | Piranga ludoviciana | Western Tanager | CLO | Visual observation | 7/23/2019 | |
| Cathartidae | Cathartes aura | Turkey Vulture | CLO | Visual observation | 7/15/2017 | |
| Certhiidae | Certhia americana | Brown Creeper | CLO | Visual observation | 10/14/1994 | |
| Charadriidae | Charadrius vociferus | Killdeer | CLO | Visual observation | 6/18/1999 | |
| Cinclidae | Cinclus mexicanus | American Dipper | CLO | Visual observation | 10/14/1994 | |
| Columbidae | Patagioenas fasciata | Band-tailed Pigeon | CLO | Visual observation | 7/13/2016 | |

| | | | | Observed/ | | |
|-------------|---------------------|--------------------|--------|-----------------------|------------------|--------------|
| Family | Scientific Name | Common Name | Source | Preserved/ Modeled | Observation Date | CNHP Ranks |
| Talliny | Streptopelia | Eurasian Collared | Jource | Wiodelea | Obscivation Date | CIVIII Ranks |
| Columbidae | decaocto | Dove | CLO | Visual observation | 8/17/2014 | |
| Columbidae | Zenaida macroura | Mourning Dove | CLO | Visual observation | 6/26/1999 | |
| | Aphelocoma | Woodhouse's | | | | |
| Corvidae | woodhouseii | Scrub Jay | CLO | Visual observation | 8/8/2017 | |
| | Corvus | , | | | | |
| Corvidae | brachyrhynchos | American Crow | CLO | Visual observation | 6/29/1999 | |
| Corvidae | Corvus corax | Common Raven | CNHP | Visual observation | 4/28/2022 | |
| Corvidae | Cyanocitta stelleri | Steller's Jay | CNHP | Visual observation | 4/28/2022 | |
| | Nucifraga | | | | | |
| Corvidae | columbiana | Clark's Nutcracker | CLO | Visual observation | 7/1/2004 | |
| | Perisoreus | | | | | |
| Corvidae | canadensis | Canada Jay | CLO | Visual observation | 9/29/2020 | |
| | | Black-billed | | | | |
| Corvidae | Pica hudsonia | Magpie | CLO | Visual observation | 7/13/2019 | |
| | Calamospiza | | | | | |
| Emberizidae | melanocorys | Lark Bunting | CLO | Visual observation | 6/16/2015 | |
| | Chondestes | | | | | |
| Emberizidae | grammacus | Lark Sparrow | CLO | Visual observation | 8/5/2016 | |
| Emberizidae | Junco hyemalis | Dark-eyed Junco | CNHP | Visual observation | 4/22/2022 | |
| Emberizidae | Melospiza lincolnii | Lincoln's Sparrow | CLO | Visual observation | 7/22/2019 | |
| Emberizidae | Melospiza melodia | Song Sparrow | CLO | Visual observation | 7/22/2019 | |
| | | Green-tailed | | | | |
| Emberizidae | Pipilo chlorurus | Towhee | CLO | Visual observation | 7/23/2019 | |
| Emberizidae | Pipilo maculatus | Spotted Towhee | CLO | Visual observation | 7/1/2004 | |
| Emberizidae | Pooecetes gramineus | Vesper Sparrow | CLO | Visual observation | 9/29/2020 | |
| | | | | | | G5S4B, SWAP |
| Emberizidae | Spizella breweri | Brewer's Sparrow | CLO | Visual observation | 7/24/2012 | Tier 2 |
| Emberizidae | Spizella passerina | Chipping Sparrow | CLO | Visual observation | 7/7/2019 | |

| | | | | Observed/ | | |
|--------------|-----------------------|------------------|-----------------|--------------------|------------------|---------------------------|
| | | | | Preserved/ | | |
| Family | Scientific Name | Common Name | Source | Modeled | Observation Date | CNHP Ranks |
| | | American Tree | | | | |
| Emberizidae | Spizelloides arborea | Sparrow | CLO | Visual observation | 10/24/1998 | |
| Emberizidae | Spizelloides sp. | Sparrow sp. | eBird | Modeled habitat | | |
| | Zonotrichia | White-crowned | | | | |
| Emberizidae | leucophrys | Sparrow | CLO | Visual observation | 7/1/2004 | |
| Falconidae | Falco mexicanus | Prairie Falcon | CLO | Visual observation | 4/22/2017 | G5S4B, S4, SWAP Tier 2 |
| | T died inchiedras | | 0.0 | Tibuai Gaserration | ,, ==, ==, | G4T4, S2B, |
| Falconidae | Falco peregrinus | Peregrine Falcon | CLO | Visual observation | 7/10/2017 | SWAP Tier 2 |
| Falconidae | Falco sparverius | American Kestrel | CLO | Visual observation | 6/19/1992 | |
| Fringillidae | Carduelis pinus | Pine Siskins | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| | - Caradene privae | American | 2.02 (2020) | | | |
| Fringillidae | Carduelis tristis | Goldfinch | DMNS | Preserved specimen | 4/29/2002 | |
| <u> </u> | Coccothraustes | | | · | | |
| Fringillidae | vespertinus | Evening Grosbeak | CLO | Visual observation | 7/16/2016 | |
| Fringillidae | Haemorhous cassinii | Cassin's Finch | CLO | Visual observation | 10/14/1994 | |
| | Haemorhous | | | | | |
| Fringillidae | mexicanus | House Finch | CLO | Visual observation | 6/21/2018 | |
| | | Brown-capped | | | | G4S3B, S4N, |
| Fringillidae | Leucosticte australis | Rosy Finch | CLO | Visual observation | 8/1/2010 | SWAP Tier 1 |
| Fringillidae | Loxia curvirostra | Red Crossbill | CLO | Visual observation | 7/1/2004 | |
| Fringillidae | Pinicola enucleator | Pine Grosbeak | iNaturalist | Visual observation | 7/21/2015 | |
| Fringillidae | Spinus pinus | Pine Siskin | CLO | Visual observation | 7/1/2004 | |
| Fringillidae | Spinus psaltria | Lesser Goldfinch | CLO | Visual observation | 7/13/2019 | |
| - | | American | | | - | |
| Fringillidae | Spinus tristis | Goldfinch | CLO | Visual observation | 7/13/2019 | |
| Hirundinidae | Hirundo rustica | Barn Swallow | CLO | Visual observation | 7/13/2019 | |
| | Petrochelidon | | | | | |
| Hirundinidae | pyrrhonota | Cliff Swallow | CLO | Visual observation | 7/15/2017 | |

| | | | | Observed/ | | |
|---------------|-----------------------|--------------------|-----------------|-----------------------|------------------|---------------|
| Family | Scientific Name | Common Name | Source | Preserved/ Modeled | Observation Date | CNHP Ranks |
| Hirundinidae | Riparia riparia | Sand Martin | CLO | Visual observation | 7/9/2017 | CIVITY NATIKS |
| Hirundinidae | Tachycineta bicolor | Tree Swallow | iNaturalist | Visual observation | 7/22/2019 | |
| Till dilamade | Tachycineta | Violet-green | ii va cai alise | VISUAL OBSCIVACION | 772272013 | |
| Hirundinidae | thalassina | Swallow | CLO | Visual observation | 6/21/1999 | |
| | | Red-winged | | | | |
| Icteridae | Agelaius phoeniceus | Blackbird | CLO | Visual observation | 7/1/2004 | |
| | Euphagus | | | | | |
| Icteridae | cyanocephalus | Brewer's Blackbird | CLO | Visual observation | 6/19/1999 | |
| | | Brown-headed | | | | |
| Icteridae | Molothrus ater | Cowbird | CLO | Visual observation | 7/17/2016 | |
| Icteridae | Quiscalus quiscula | Common Grackle | CLO | Visual observation | 7/2/1999 | |
| | | Western | | | | |
| Icteridae | Sturnella neglecta | Meadowlark | CLO | Visual observation | 6/19/1992 | |
| Laridae | Larus californicus | California Gull | CLO | Visual observation | 7/15/2017 | |
| Motacillidae | Anthus rubescens | American Pipit | CLO | Visual observation | 7/1/2004 | |
| Pandionidae | Pandion haliaetus | Osprey | CNHP | Visual observation | 4/28/2022 | |
| | | Black-capped | | | | |
| Paridae | Poecile atricapillus | Chickadee | CLO | Visual observation | 7/2/1999 | |
| | | Mountain | | | | |
| Paridae | Poecile gambeli | Chickadee | CNHP | Visual observation | 4/28/2022 | |
| Parulidae | Cardellina pusilla | Wilson's Warbler | CLO | Visual observation | 7/13/2019 | |
| | Dendroica coronata | Audubon's Yellow- | | | | |
| Parulidae | auduboni | rumped Warbler | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| | | MacGillivray's | | | | |
| Parulidae | Geothlypis tolmiei | Warbler | CLO | Visual observation | 7/2/2019 | |
| - " | | Common | | | 6/40/4000 | |
| Parulidae | Geothlypis trichas | Yellowthroat | CLO | Visual observation | 6/18/1999 | |
| | | | | Modeled breeding | | |
| Parulidae | Leiothlypis virginiae | Virginia Warbler | CPW | range | | |

| | | | | Observed/ | | |
|--------------|----------------------|----------------------|-----------------|---------------------------------------|------------------|--------------|
| | | | | Preserved/ | | |
| Family | Scientific Name | Common Name | Source | Modeled | Observation Date | CNHP Ranks |
| 5 1:1 | | Yellow-rumped | 0.0 | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | 7/22/2242 | |
| Parulidae | Setophaga coronata | Warbler | CLO | Visual observation | 7/22/2019 | |
| Parulidae | Setophaga petechia | Yellow Warbler | CLO | Visual observation | 7/14/2002 | |
| n Italia | Catantanata | Townsend's | CLO | March de la constitución | 0/47/2044 | |
| Parulidae | Setophaga townsendi | Warbler | CLO | Visual observation | 8/17/2014 | |
| | Pelecanus | American White | | | | G4S1B, BLM, |
| Pelecanidae | erythrorhynchos | Pelican | CLO | Visual observation | 6/15/2015 | SWAP Tier 2 |
| Dhaaiaaida | Dendragapus | Decales Construction | CLO | Manal above the | 10/2/2000 | |
| Phasianidae | obscurus | Dusky Grouse | CLO | Visual observation | 10/3/2009 | |
| Phasianidae | Meleagris gallopavo | Wild Turkey | CLO | Visual observation | 8/17/2014 | |
| Picidae | Colaptes auratus | Northern Flicker | CLO | Visual observation | 7/23/2019 | |
| | | Downy | | | | |
| Picidae | Dryobates pubescens | Woodpecker | CLO | Visual observation | 6/16/1999 | |
| Picidae | Dryobates villosus | Hairy Woodpecker | CNHP | Visual observation | 4/28/2022 | |
| | | Lewis | | Modeled breeding | | G4S4, SWAP |
| Picidae | Melanerpes lewis | Woodpecker | CPW | range | | Tier 2, USFS |
| | | American Three- | | | | |
| Picidae | Picoides dorsalis | toed Woodpecker | iNaturalist | Visual observation | 7/18/2010 | |
| | | Downy | | | | |
| Picidae | Picoides pubescens | Woodpecker | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| | | Red-naped | | | | |
| Picidae | Sphyrapicus nuchalis | Sapsucker | CLO | Visual observation | 7/23/2019 | |
| | Sphyrapicus | Williamson's | | | | |
| Picidae | thyroideus | Sapsucker | CLO | Visual observation | 8/8/1988 | |
| Rallidae | Porzana carolina | Sora | CLO | Visual observation | 7/1/2004 | |
| | | Ruby-crowned | | | | |
| Regulidae | Regulus calendula | Kinglet | CNHP | Visual observation | 4/28/2022 | |
| | | Golden-crowned | | | 7/10/0015 | |
| Regulidae | Regulus satrapa | Kinglet | CLO | Visual observation | 7/13/2019 | |
| Scolopacidae | Actitis macularius | Spotted Sandpiper | CLO | Visual observation | 5/26/2017 | |

| | | | | Observed/ | | |
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| Family | Scientific Name | Common Name | Source | Preserved/ Modeled | Observation Date | CNHP Ranks |
| Scolopacidae | Gallinago delicata | Wilson's Snipe | CNHP | Acoustic Recording | 4/10/2022 | Civili Rains |
| | - Caminago acineata | Red-breasted | Civiii | 7 too do the oor dining | 1,10,2022 | |
| Sittidae | Sitta canadensis | Nuthatch | CLO | Visual observation | 7/13/2019 | |
| | | White-breasted | | | | |
| Sittidae | Sitta carolinensis | Nuthatch | CLO | Visual observation | 8/17/2014 | |
| Sittidae | Sitta pygmaea | Pygmy Nuthatch | CLO | Visual observation | 9/28/2018 | |
| Sittidae | Sitta sp. | Nuthatch sp. | eBird | Modeled habitat | | |
| Strigidae | Bubo virginianus | Great Horned Owl | CNHP | Acoustic Recording | 4/10/2022 | |
| | Psiloscops | | | | | |
| Strigidae | flammeolus | Flammulated Owl | CLO | Visual observation | 7/24/2012 | |
| Sturnidae | Sturnus vulgaris | European Starling | CLO | Visual observation | 6/29/1999 | |
| | | Costa's | | | | |
| Trochilidae | Calypte costae | Hummingbird | CLO | Visual observation | 8/4/2003 | |
| | | Calliope | | | | |
| Trochilidae | Selasphorus calliope | Hummingbird | CLO | Visual observation | 8/8/2017 | |
| ∓ 1. 90 d | Selasphorus | Broad-tailed | CALLE | March de la companya | 4/20/2022 | |
| Trochilidae | platycercus | Hummingbird Rufous | CNHP | Visual observation | 4/28/2022 | |
| Trochilidae | Selasphorus rufus | Hummingbird | CLO | Visual observation | 7/22/2019 | |
| Troglodytidae | Salpinctes obsoletus | Rock Wren | CLO | Visual observation | 7/14/2002 | |
| Troglodytidae | Troglodytes aedon | House Wren | CLO | Visual observation | 7/13/2019 | |
| Turdidae | Catharus guttatus | Hermit Thrush | CLO | Visual observation | 7/13/2019 | |
| | Catharus yuttatus Catharus ustulatus | Swainson's Thrush | | | | |
| Turdidae | | Townsend's | CLO | Visual observation | 7/13/2019 | |
| Turdidae | Myadestes townsendi | Solitaire | CLO | Visual observation | 7/2/2019 | |
| Turdidae Turdidae | Sialia currucoides | Mountain Bluebird | CNHP | Visual observation | 4/28/2022 | |
| Turdidae | Sialia currucoides Sialia mexicana | Western Bluebird | CLO | Visual observation Visual observation | | |
| ruruiuae | Siuliu mexicana | vvestern Bluebird | CLU | Visual observation, | 4/25/2019 | |
| Turdidae | Turdus migratorius | American Robin | CNHP | Acoustic Recording | 4/10/2022 | |

| | | | | Observed/ | | |
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| Same than | Calausifia Nama | Camanan Nama | C | Preserved/ | Observation Date | CNUID Davids |
| Family | Scientific Name | Common Name Olive-sided | Source | Modeled | Observation Date | CNHP Ranks |
| Tyrannidae | Contopus cooperi | Flycatcher | CLO | Visual observation | 6/30/1999 | G4S3S4B, SWAP Tier 2 |
| Tyraiiiiuae | Contopus cooperi | Western Wood- | CLO | Visual Observation | 0/30/1999 | Tiel Z |
| Tyrannidae | Contopus sordidulus | Pewee | CLO | Visual observation | 7/23/2019 | |
| Tyrannidae | Empidonax alnorum | Alder Flycatcher | DMNS | Preserved specimen | 6/9/1980 | |
| , | Empidonax | Hammond's | | | -7-7 | |
| Tyrannidae | hammondii | Flycatcher | CLO | Visual observation | 7/2/2019 | |
| | Empidonax | | | | | |
| Tyrannidae | oberholseri | Dusky Flycatcher | CLO | Visual observation | 7/3/2019 | |
| | Empidonax | Cordilleran | | | | |
| Tyrannidae | occidentalis | Flycatcher | CLO | Visual observation | 7/23/2019 | |
| Tyrannidae | Empidonax sp. | Flycatcher sp. | eBird | Modeled habitat | | |
| Vireonidae | Vireo gilvus | Warbling Vireo | CLO | Visual observation | 7/3/2019 | |
| Vireonidae | Vireo plumbeus | Plumbeous Vireo | CLO | Visual observation | 6/4/2005 | |
| MAMMAL | | | | | | |
| Canidae | Canis latrans | Coyote | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Cervidae | Alces alces | Moose | iNaturalist | Visual observation | 7/21/2021 | |
| | | | | Modeled summer | | |
| | | | | range, production | | |
| | | | | area, migration | | |
| | | | | corridors, overall | | |
| Cervidae | Cervus canadensis | Elk | CPW | range | | |
| Cervidae | Odocoileus hemionus | Mule Deer | iNaturalist | Visual observation | 7/20/2021 | |
| Carrie | | Southern Red- | CDIA | Modeled overall | | |
| Cricetidae | Myodes gapperi | backed Vole | CPW | range | | |
| | Phenacomys intermedius | Mostorn Hootha | | | | |
| Cricotidas | | Western Heather Vole | KU | Drocoryod specimen | 7/20/1050 | |
| Cricetidae | intermedius | voie | NU | Preserved specimen | 7/30/1959 | |

| | | | | Observed/ Preserved/ | | |
|-------------|-----------------------------|-------------------|-----------------|---|------------------|-----------------------|
| Family | Scientific Name | Common Name | Source | Modeled | Observation Date | CNHP Ranks |
| , | | | | Modeled potential habitat, predictive map summer, | | G5S1, SWAP |
| Felidae | Lynx canadensis | Lynx | CPW | predictive map winter | | Tier 1, ESA LT, SE |
| Telluae | Lynx cunductisis | Yellow-bellied | Crvv | Willicei | | JL . |
| Felidae | Marmota flaviventris | Marmot | iNaturalist | Visual observation | 7/29/2021 | |
| | , | | | Modeled overall | | |
| Felidae | Puma concolor | Mountain Lion | CPW | range | | |
| | | Smooth-toothed | | | | |
| Geomyidae | Thomomys talpoides | Pocket Gopher | BYU | Preserved specimen | 8/15/1933 | |
| Leporidae | Lepus americanus | Snowshoe Hare | iNaturalist | Visual observation | 7/22/2019 | |
| | Lepus americanus | Baird's Snowshoe | | | | |
| Leporidae | bairdii | (subspecies) | MSB | Preserved specimen | 8/26/1981 | |
| Leporidae | Sylvilagus nuttallii | Cottontail Rabbit | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| | | | | Modeled potential | | G4S1, SWAP |
| Mustelidae | Gulo gulo | Wolverine | CPW | habitat | | Tier 1, SE |
| | | White-tailed | | Modeled overall | | |
| Mustelidae | Lepus townsendii | Jackrabbit | CPW | range | | |
| | | | | Modeled overall | | |
| Ochotonidae | Ochotona princeps | Pika | CPW | range | | |
| | Callospermophilus | Gold-mantled | | | | |
| Sciuridae | lateralis | Ground Squirrel | iNaturalist | Visual observation | 7/18/2021 | |
| Sciuridae | Eutamias minimus | Least Chipmunk | NMU | Preserved specimen | 7/3/1961 | |
| Cairmida | Neotamias | Colorado | ACII | Duna a mus di a ma a i | 11/2/1002 | CECE |
| Sciuridae | quadrivittatus | Chipmunk | ASU | Preserved specimen | 11/3/1963 | G5S5 |
| Sciuridae | Tamias minimus | Least Chipmunk | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| Sciuridae | Tamias umbrinus montanus | Uinta Chipmunk | KU | Preserved specimen | 7/24/1959 | |

| | | | | Observed/ | | |
|------------------|---------------------|-------------------|-----------------|-----------------------|------------------|----------------|
| Family | Scientific Name | Common Name | Source | Preserved/ Modeled | Observation Date | CNHP Ranks |
| 1 allilly | Tamiasciurus | Southwestern Red | Source | Wioueieu | Observation Date | CIVIII IVAIIKS |
| Sciuridae | fremonti | Squirrel | iNaturalist | Visual observation | 7/21/2018 | |
| | Tamiasciurus | | | | , , , , , , | |
| Sciuridae | hudsonicus | Pine squirrels | BioBlitz (2015) | Visual observation | 10/10/2015 | |
| | | Wyoming Ground | | | | |
| Sciuridae | Urocitellus elegans | Squirrel | iNaturalist | Visual observation | 6/13/2019 | |
| Soricidae | Sorex cinereus | Cinereus Shrew | NMU | Preserved specimen | 7/3/1961 | |
| | | | | Modeled overall | | |
| Soricidae | Sorex hoyi | Pygmy Shrew | CPW | range | | |
| | | | | Modeled overall | | G4S2, SWAP |
| Soricidae | Sorex nanus | Dwarf Shrew | CPW | range | | Tier 2 |
| | | | | Modeled fall | | |
| | | | | concentration, | | |
| | | | | Visual conflict area, | | |
| | | | | summer | | |
| | | | | concentration, | | |
| Ursidae | Ursus americanus | Black Bear | CPW | overall range | | |
| | | | | Ultrasonic | | G3S3S4B, SWAP |
| Vespertilionidae | Aerostes cinereus | Hoary Bat | CNHP | Recording | 4/18/2022 | Tier 2, USFS |
| | Corynorhinus | Townsend Big- | | Modeled overall | | |
| Vespertilionidae | townsendii | eared Bat | CPW | range | | |
| | | | | Modeled overall | | |
| Vespertilionidae | Eptesicus fuscus | Big Brown Bat | CPW | range | | |
| | Lasionycteris | | | Ultrasonic | | |
| Vespertilionidae | noctivagans | Silver-haired Bat | CNHP | Recording | 4/18/2022 | G3G4S3S4 |
| | | Western Small- | | Modeled overall | | |
| Vespertilionidae | Myotis ciliolabrum | footed Myotis | CPW | range | | |
| | | | | Modeled overall | | |
| Vespertilionidae | Myotis evotis | Long-eared Myotis | CPW | range | | |

| | | | | Observed/ Preserved/ | | |
|------------------|----------------------|-----------------------------|--------|-------------------------|------------------|----------------------------|
| Family | Scientific Name | Common Name | Source | Modeled | Observation Date | CNHP Ranks |
| | | Little Brown | | Modeled overall | | |
| Vespertilionidae | Myotis lucifugus | Myotis | CPW | range | | |
| | | | | Modeled overall | | G4S3, BLM, SWAP Tier 1, |
| Vespertilionidae | Myotis thysanodes | Fringed Myotis | CPW | range | | USFS |
| | | Long-legged | | Modeled overall | | |
| Vespertilionidae | Myotis volans | Myotis | CPW | range | | |
| REPTILE | | | | | | |
| Colubridae | Pituophis catenifer | Bullsnake | CPW | Modeled overall | | |
| Colubilidae | sayi | | CPVV | range | | |
| Colubridae | Thamnophis elegans | Terrestrial Gartnersnake | CPW | Modeled overall range | | |
| | , | Plains | | Modeled overall | | |
| Colubridae | Thamnophis radix | Gartnersnake | CPW | range | | |
| MOLLUSC | | | | | | |
| Pupillidae | Pupilla blandi | Rocky Mountain Column | ANSP | Preserved specimen | | |
| Succineidae | Succinea avara | No common name | ANSP | Preserved specimen | | |
| Succincidae | Saccinea avara | No common name | 711131 | Treserved specimen | | |
| Vetulinidae | Vertigo modesta | land snail | ANSP | Preserved specimen | | |
| AMPHIBIAN | | | | | | |
| Hylidae | Psuedacris triserata | Western Chorus Frog | CNHP | Aural observation | 4/28/2022 | |

Table 2. Plant Species List at the Mountain Campus, compiled from research and field visit. Species of Concern are in bold. See Appendix 3 for status code definitions and the <u>GBIF Registry of Scientific Collections</u> for institution codes for the Source field.

| Family | Scientific Name | Common Name | Source | Observed/Preserved | Observation Date | Nativity, CO Noxious Weed Status | C value | CHNP Ranks |
|---------------|---------------------------|-------------------------------|--------------------|--------------------|---------------------|--|------------|---------------|
| | | Rocky Mountain | BioBlitz | | | | | |
| Aceraceae | Acer glabrum | Maple | (2015) | Visual observation | 10/10/2015 | Native | 7 | |
| Adoxaceae | Sambucus racemosa | Red Elderberry | SEINET | Preserved specimen | 7/7/1896 | Native | 6 | |
| Adoxaceae | Viburnum edule | Squashberry | CS | Preserved specimen | | Native | 6 | |
| Alliaceae | Allium cernuum | Nodding Onion | iNaturalist | Visual observation | 7/8/2018 | Native | 5 | |
| Amaranthaceae | Blitum capitatum | Beetberry | iNaturalist | Visual observation | 8/28/2021 | | | |
| Apiaceae | Angelica grayi | Gray's Angelica | SEINET | Preserved specimen | 08/01/1892 | Native | 10 | |
| Apiaceae | Conium maculatum | Water Hemlock | BioBlitz (2015) | Visual observation | 10/10/2015 | Non-native | 0 | |
| Apiaceae | Heracleum maximum | Common Cowparsnip | iNaturalist | Visual observation | 7/22/2021 | Native | 6 | |
| Apiaceae | Lomatium sp. | Biscuitroots | iNaturalist | Visual observation | 6/5/2017 | | | |
| Apiaceae | Oenantheae sp. | Water Dropworts | iNaturalist | Visual observation | 7/28/2021 | | | |
| Apiaceae | Oreoxis alpina | Tundra Alpine- Parsley | SEINET | Preserved specimen | 7/7/1896 | | | |
| Apiaceae | Osmorhiza depauperata | Blunt-fruited Sweet-cicely | SEINET | Preserved specimen | 7/7/1896 | Native | 7 | |
| Apiaceae | Pseudocymopterus montanus | Alpine False Springparsley | SEINET | Preserved specimen | 7/7/1896 | | | |
| Apocynaceae | Apocynum androsaemifolium | Spreading Dogbane | iNaturalist | Visual observation | 7/22/2021 | Native | 1 | |
| Asteraceae | Achillea lanulosa | Mountain Yarrow | SEINET | Preserved specimen | 7/3/1968 | | | |
| Asteraceae | Achillea millefolium | Western Yarrow | BioBlitz (2015) | Visual observation | 10/10/2015 | Native | 4 | |
| Asteraceae | Anaphalis margaritacea | Pearly Everlasting | iNaturalist | Visual observation | 9/5/2021 | Native | 4 | |

| Family | Scientific Name | Common Name | Source | Observed/Preserved | Observation Date | Nativity, CO Noxious Weed Status | C value | CHNP Ranks |
|------------|-----------------------------------|----------------------------|--------------------|--------------------|---------------------|--|------------|---------------|
| - | | Rocky Mountain | BioBlitz | | | | | |
| Asteraceae | Antennaria parvifolia | Pussytoes | (2015) | Visual observation | 10/10/2015 | Native | 5 | |
| Asteraceae | Antennaria rosea | Rosy Pussytoes | iNaturalist | Visual observation | 6/15/2017 | Native | 5 | |
| Asteraceae | Antennaria sp. | Pussytoes | iNaturalist | Visual observation | 7/27/2021 | | | |
| Asteraceae | Arnica cordifolia | Heartleaf Arnica | SEINET | Preserved specimen | 6/25/1968 | Native | 7 | |
| Asteraceae | Artemisia arctica subsp.saxatilis | Mountain sage | SEINET | Preserved specimen | 08/01/1892 | | | |
| Asteraceae | Artemisia campestris | Field Sagewort | CS | Preserved specimen | | Native | 5 | |
| Asteraceae | Artemisia campestris borealis | Northern Wormwood | CS | Preserved specimen | | | | |
| Asteraceae | Artemisia campestris caudata | Beach Wormwood | iNaturalist | Visual observation | 9/4/2017 | | | |
| Asteraceae | Artemisia frigida | Fringed Sagebrush | iNaturalist | Visual observation | 7/27/2021 | Native | 4 | |
| Asteraceae | Artemisia ludoviciana | Silver Wormwood | iNaturalist | Visual observation | 10/1/2017 | Native | 4 | |
| Asteraceae | Aster foliaceus apricus | Leafy Aster | CS | Preserved specimen | | | | |
| Asteraceae | Carduus nutans macrolapis | Bristle Thistle | BioBlitz (2015) | Visual observation | 10/10/2015 | | | |
| Asteraceae | Chrysopsis villosa | Hairy Golden Aster | BioBlitz (2015) | Visual observation | 10/10/2015 | | | |
| Asteraceae | Chrysothamnus sp. | Rabbitbrush | BioBlitz (2015) | Visual observation | 10/10/2015 | | | |
| Asteraceae | Cirsium clavatum | Fish Lake Thistle | CS | Preserved specimen | | Native | 6 | |
| Asteraceae | Cirsium scariosum | Elk Thistle | iNaturalist | Visual observation | 7/23/2021 | Native | 6 | |
| Asteraceae | Cirsium vulgare | Bull Thistle | BioBlitz (2015) | Visual observation | 10/10/2015 | Non-native, B | 0 | |
| Asteraceae | Dieteria canescens | Hoary Tansyaster Rubber | iNaturalist | Visual observation | 7/27/2021 | Native | 4 | |
| Asteraceae | Ericameria nauseosa | Rabbitbrush | iNaturalist | Visual observation | 10/27/2018 | Native | 3 | |
| Asteraceae | Erigeron acris | Bitter Fleabane | CS | Preserved specimen | | Native | 8 | |

| Family | Scientific Name | Common Name | Source | Observed/Preserved | Observation Date | Nativity, CO Noxious Weed Status | C value | CHNP Ranks |
|------------|-------------------------------|---------------------------------------|--------------------|--------------------|---------------------|--|------------|---------------|
| Asteraceae | Erigeron compositus | Cutleaf Daisy | SEINET | Preserved specimen | 7/7/1896 | Native | 6 | |
| Asteraceae | Erigeron glacialis | Glacial Daisy | SEINET | Preserved specimen | 7/7/1896 | Native | 7 | |
| Asteraceae | Erigeron lonchophyllus | Short-Ray Fleabane | CS | Preserved specimen | | Native | 5 | |
| Asteraceae | Erigeron pinnatisectus | Feather Leaf Fleabane | SEINET | Preserved specimen | 7/7/1896 | Native | 8 | |
| Asteraceae | Erigeron speciosus | Aspen Fleabane | SEINET | Preserved specimen | 6/19/1968 | Native | 5 | |
| Asteraceae | Erigeron spp. | Daisy | BioBlitz (2015) | Visual observation | 10/10/2015 | | | |
| Asteraceae | Erigeron vetensis | Early Blue-top Fleabane Parry's Dwarf | CS BioBlitz | Preserved specimen | | Native | 6 | |
| Asteraceae | Helianthella parryi | Sunflower | (2015) | Visual observation | 10/10/2015 | Native | 5 | |
| Asteraceae | Helianthella quinquenervis | Little Sunflower | CS | Preserved specimen | | | | |
| Asteraceae | Heterotheca villosa | Hairy False Goldenaster | iNaturalist | Visual observation | 7/27/2021 | Native | 3 | |
| Asteraceae | Hieracium triste | Wooly Hawkweed | SEINET | Preserved specimen | 7/7/1896 | Native | 6 | |
| Asteraceae | Hymenoxys acaulis | Sol Dancer | SEINET | Preserved specimen | 11/12/1968 | | | |
| Asteraceae | Hymenoxys grandiflora | Old Man of the Mountains | SEINET | Preserved specimen | 1/30/1968 | Native | 8 | |
| Asteraceae | Oreochrysum parryi | Parry's Goldenrod | iNaturalist | Visual observation | 9/16/2017 | Native | 8 | |
| Asteraceae | Packera fendleri | Fendler's Ragwort | SEINET | Preserved specimen | 7/7/1896 | Native | 4 | |
| Asteraceae | Senecio bigelovii hallii | Nodding Ragwort (subspecies) | CS | Preserved specimen | | | | |
| Asteraceae | Senecio eremophilus | Cutleaf Groundsel | SEINET | Preserved specimen | 12/11/1968 | Native | 4 | |
| Asteraceae | Senecio sp. | Ragwort sp. | BioBlitz (2015) | Visual observation | 10/10/2015 | | | |
| Asteraceae | Solidago parryi | Parry's Goldenweed | CS | Preserved specimen | | | | |
| Asteraceae | Solidago simplex | Sticky Goldenrod | iNaturalist | Visual observation | 7/17/2021 | Native | 6 | |

| Family | Scientific Name | Common Name | Source | Observed/Preserved | Observation Date | Nativity, CO Noxious Weed Status | C value | CHNP Ranks |
|----------------|------------------------------------|---|--------------------|--------------------|---------------------|--|------------|---------------|
| | Solidago simplex | Sticky Goldenrod | | | | | | |
| Asteraceae | simplex | (subspecies) | CS | Preserved specimen | | Native | 6 | |
| Asteraceae | Solidago sp. | Goldenrods | iNaturalist | Visual observation | 7/28/2021 | Native | 6 | |
| Asteraceae | Tanacetum vulgare | Tansy | iNaturalist | Visual observation | 6/3/2019 | Non-native, B | 0 | |
| Asteraceae | Taraxacum officinale | Common Dandelion | iNaturalist | Visual observation | 6/3/2019 | Non-native | 0 | |
| Berberidaceae | Berberis repens | Creeping Mahonia | iNaturalist | Visual observation | 6/8/2016 | Native | 5 | |
| Betulaceae | Betula glandulosa | Bog Birch | BioBlitz (2015) | Visual observation | 10/10/2015 | Native | 9 | |
| Betulaceae | Betula nana | Dwarf Birch | CS | Preserved specimen | | | | |
| Boraginaceae | Mertensia ciliata | Mountain Bluebells | SEINET | Preserved specimen | 7/7/1896 | Native | 7 | |
| Boraginaceae | Mertensia sp. | Bluebells sp. | iNaturalist | Visual observation | 7/22/2021 | | | |
| Brassicaceae | Cardamine cordifolia | Heartleaf Bittercress | SEINET | Preserved specimen | 07/16/1898 | Native | 8 | |
| Brassicaceae | Erysimum capitatum | Western Wallflower | iNaturalist | Visual observation | 9/5/2021 | Native | 5 | |
| Brassicaceae | Erysimum capitatum subsp.capitatum | Sand-dune Wallflower (subspecies) | SEINET | Preserved specimen | 6/17/1971 | | | |
| Brassicaceae | Turritis glabra | Tower Mustard | CS | Preserved specimen | | Native | 4 | |
| Campanulaceae | Campanula rotundifolia | Harebell | iNaturalist | Visual observation | 7/14/2018 | Native | 5 | |
| Caprifoliaceae | Distegia involucrata | Twinberry Honeysuckle | SEINET | Preserved specimen | 7/9/1938 | | | |
| Caprifoliaceae | Lonicera involucrata | Bush Honeysuckle | BioBlitz (2015) | Visual observation | 10/10/2015 | Native | 7 | |
| Caprifoliaceae | Symphoricarpos albus | Snowberry | BioBlitz (2015) | Visual observation | 10/10/2015 | Native | 6 | |
| Caprifoliaceae | Valeriana edulis edulis | Edible Valerian | CS | Preserved specimen | | | | |

| Family | Scientific Name | Common Name | Source | Observed/Preserved | Observation Date | Nativity, CO Noxious Weed Status | C value | CHNP Ranks |
|-----------------|-----------------------------|-------------------------------|--------------------|--------------------|---------------------|--|------------|---------------|
| | | | BioBlitz | | | | | |
| Caprifoliaceae | Viburnum sp. | Viburnum sp. | (2015) | Visual observation | 10/10/2015 | | | |
| Caryophyllaceae | Arenaria fendleri | Fendler's Sandwort | CS | Preserved specimen | | | | |
| Caryophyllaceae | Cerastium arvense | Field Chickweed | iNaturalist | Visual observation | 7/20/2018 | Native | 5 | |
| Caryophyllaceae | Silene acaulis | Bladder Campion | SEINET | Preserved specimen | 7/7/1896 | Native | 7 | |
| Caryophyllaceae | Silene scouleri hallii | Simple Campion | CS | Preserved specimen | | | | |
| Caryophyllaceae | Stellaria longipes | Longstalk Starwort | SEINET | Preserved specimen | 7/7/1896 | Native | 8 | |
| Caryophyllaceae | Stellaria sp. | Chickweeds | iNaturalist | Visual observation | 7/22/2021 | | | |
| Caryophyllaceae | Stellaria umbellata | Umbrella Starwort | SEINET | Preserved specimen | 7/7/1896 | Native | 8 | |
| Chananadiasaa | Chenopodium | Ctrouborn, Dito | CEINIET | Drasaryad spasimon | 7/21/1069 | Mativo | 4 | |
| Chenopodiaceae | capitatum Chenopodium | Strawberry Blite Fremont's | SEINET | Preserved specimen | 7/21/1968 | Native | 4 | |
| Chenopodiaceae | fremontii | Goosefoot | SEINET | Preserved specimen | 8/20/1941 | Native | 6 | |
| Crassulaceae | Clementsia rhodantha | Redpod Stonecrop | SEINET | Preserved specimen | 7/9/1938 | | | |
| Crassulaceae | Rhodiola rhodantha | Queen's Crown | iNaturalist | Visual observation | 7/22/2021 | Native | 8 | |
| Crassulaceae | Sedum lanceolatum | Stonecrop | BioBlitz (2015) | Visual observation | 10/10/2015 | Native | 5 | |
| Crassulaceae | Sedum sp. | Stonecrops | iNaturalist | Visual observation | 6/15/2017 | | | |
| Cupressaceae | Juniperus communis | Common Juniper | iNaturalist | Visual observation | 7/28/2021 | Native | 6 | |
| Cyperaceae | Carex aquatilis | Water Sedge | iNaturalist | Visual observation | 7/22/2021 | Native | 6 | |
| Cyperaceae | Carex canescens canescens | Hoary Sedge | CS | Preserved specimen | | | | |
| Cyperaceae | Carex sp. | True Sedges | iNaturalist | Visual observation | 7/22/2021 | | | |
| Cyperaceae | Carex spp. | Sedge species | BioBlitz (2015) | Visual observation | 10/10/2015 | | | |
| Elaeagnaceae | Shepherdia canadensis | Canadian Buffalo- berry | iNaturalist | Visual observation | 7/21/2018 | Native | 7 | |
| Ericaceae | Arctostaphylos uva- ursi | Bearberry | iNaturalist | Visual observation | 8/16/2020 | Native | 6 | |

| Family | Scientific Name | Common Name | Source | Observed/Preserved | Observation Date | Nativity, CO Noxious Weed Status | C value | CHNP Ranks |
|-----------|--------------------------------|---|--------------------|--------------------|---------------------|--|------------|---------------|
| · | Arctostaphylos uva- | | | | | | | |
| Ericaceae | ursi var. adenotricha | Bearberry (variety) | SEINET | Preserved specimen | 6/17/1969 | | | |
| Ericaceae | Moneses uniflora | Wood Nymph | SEINET | Preserved specimen | 7/7/1896 | Native | 9 | |
| Ericaceae | Moneses uniflora var. uniflora | Wood Nymph (variety) | SEINET | Preserved specimen | 7/30/1938 | | | |
| Ericaceae | Orthilia secunda | One-sided Shineleaf | SEINET | Preserved specimen | 7/30/1938 | Native | 8 | |
| Ericaceae | Pterospora andromedea | Woodland Pinedrops | iNaturalist | Visual observation | 7/26/2020 | Native | 7 | |
| Ericaceae | Pyrola asarifolia | Pink Shineleaf | SEINET | Preserved specimen | 7/7/1896 | Native | 8 | |
| Ericaceae | Pyrola chlorantha | Green-flowered Wintergreen | SEINET | Preserved specimen | 7/11/1960 | Native | 8 | |
| Ericaceae | Pyrola chlorantha var. | Green-flowered Wintergreen (subspecies) | SEINET | Preserved specimen | 7/30/1938 | | | |
| Ericaceae | Pyrola elliptica | Elliptic Shineleaf | SEINET | Preserved specimen | 7/30/1938 | | | |
| Ericaceae | Pyrola sp. | Wintergreen sp. | BioBlitz (2015) | Visual observation | 10/10/2015 | | | |
| Ericaceae | Vaccinium scoparium | Grouse Whortleberry | SEINET | Preserved specimen | 7/7/1896 | Native | 7 | |
| Ericaceae | Vaccinium sp. | Blueberries, | iNaturalist | Visual observation | 7/28/2021 | | | |
| Ericaceae | Vaccinium spp. | Blueberry | BioBlitz (2015) | Visual observation | 10/10/2015 | | | |
| Fabaceae | Astragalus alpinus alpinus | Alpine Milkvetch | CS | Preserved specimen | | | | |
| Fabaceae | Lotus corniculatus | Bird's-foot Trefoil | iNaturalist | Visual observation | 7/17/2021 | Non-native | 0 | |
| Fabaceae | Lupinus argenteus argenteus | Silvery Lupine | iNaturalist | Visual observation | 9/4/2017 | | | |
| Fabaceae | Oxytropis lambertii | Purple Locoweed | BioBlitz (2015) | Visual observation | 10/10/2015 | Native | 5 | |

| Family | Scientific Name | Common Name | Source | Observed/Preserved | Observation Date | Nativity, CO Noxious Weed Status | C value | CHNP Ranks |
|-----------------|---------------------------|---------------------------|-------------|--------------------|---------------------|--|------------|---------------|
| , | Oxytropis lambertii | Purple Locoweed | | , | | | | |
| Fabaceae | sericea | (subspecies) | CS | Preserved specimen | | | | |
| Fabaceae | Oxytropis sericea | Silky Locoweed | SEINET | Preserved specimen | 7/9/1938 | Native | 5 | |
| | Oxytropis sericea | Silky Locoweed | | | | | | |
| Fabaceae | sericea | (subspecies) | CS | Preserved specimen | | | | |
| | Thermopsis | Spreadfruit | | | | | | |
| Fabaceae | divaricarpa | Goldenbanner | iNaturalist | Visual observation | 6/18/2019 | | | |
| | | Mountain | | | | | | |
| Fabaceae | Thermopsis montana | Goldenbean | iNaturalist | Visual observation | 6/15/2017 | | | |
| Fabaceae | Trifolium dasyphyllum | Alpine Clover | SEINET | Preserved specimen | 7/7/1896 | Native | 8 | |
| | | | BioBlitz | | | | | |
| Fabaceae | Trifolium repens | White Clover | (2015) | Visual observation | 10/10/2015 | Non-native | 0 | |
| Fumariaceae | Corydalis aurea | Scrambled Eggs | SEINET | Preserved specimen | 7/7/1896 | Native | 5 | |
| Gentianaceae | Gentiana parryi | Parry's Gentian | iNaturalist | Visual observation | 8/17/2020 | Native | 9 | |
| Gentianaceae | Gentianopsis sp. | Fringed Gentians | iNaturalist | Visual observation | 8/6/2018 | | | |
| Gentianaceae | Gentianopsis thermalis | Meadow Fringed Gentian | CS | Preserved specimen | | | | |
| | | Richardson's | | | | | | |
| Geraniaceae | Geranium richardsonii | Geranium | iNaturalist | Visual observation | 7/26/2012 | Native | 6 | |
| | | | BioBlitz | | | | | |
| Geraniaceae | Geranium sp. | Geranium | (2015) | Visual observation | 10/10/2015 | | | |
| | | | BioBlitz | | | | | |
| Grossulariaceae | Ribes cereum | Wax Currant | (2015) | Visual observation | 10/10/2015 | Native | 6 | |
| | | Whitestem | BioBlitz | | | | | |
| Grossulariaceae | Ribes inerme | Gooseberry | (2015) | Visual observation | 10/10/2015 | Native | 5 | |
| Grossulariaceae | Ribes lacustre | Black Gooseberry | SEINET | Preserved specimen | 7/10/1938 | Native | 7 | |
| | | Trailing Black | | | | | | |
| Grossulariaceae | Ribes laxiflorum | Currant | SEINET | Preserved specimen | 08/01/1892 | | | |
| Hydrophyllaceae | Phacelia sericea | Silky Phacelia | iNaturalist | Visual observation | 6/20/2019 | Native | 6 | |

| Family | Scientific Name | Common Name | Source | Observed/Preserved | Observation Date | Nativity, CO Noxious Weed Status | C value | CHNP Ranks |
|---------------|---------------------------------------|------------------------------------|--------------------|--------------------|---------------------|--|------------|---------------|
| - | | | BioBlitz | | | | | |
| Juncaceae | Juncus arcticus | Arctic Rush | (2015) | Visual observation | 10/10/2015 | Native | 4 | |
| Juncaceae | Juncus confusus | Colorado Rush | SEINET | Preserved specimen | 7/30/1946 | Native | 5 | |
| Juncaceae | Luzula parviflora | Small-flowered Wood Rush | SEINET | Preserved specimen | 7/7/1896 | Native | 7 | |
| | Dracocephalum | American | | | | | | |
| Lamiaceae | parviflorum | Dragonhead | SEINET | Preserved specimen | 7/7/1896 | Native | 3 | |
| Liceaceae | Linnaea borealis var. Iongiflora | Twinflower | SEINET | Preserved specimen | 7/7/1896 | Native | 9 | |
| | | Gunnison's | | | | | | |
| Liliaceae | Calochortus gunnisonii | Mariposa Lily | iNaturalist | Visual observation | 7/20/2021 | Native | 7 | |
| Liliaceae | Streptopus amplexifolius | Scootberry | SEINET | Preserved specimen | 7/7/1896 | Native | 7 | |
| | Lycopodium | Interrupted Club- | | | | | | |
| Lycopodiaceae | annotinum | moss | SEINET | Preserved specimen | 7/7/1896 | Native | 7 | |
| Melanthiaceae | Anticlea elegans | Mountain Death Camas | SEINET | Preserved specimen | 7/7/1896 | | | |
| Onagraceae | Chamaenerion angustifolium | Fireweed | iNaturalist | Visual observation | 7/28/2021 | | | |
| Onagraceae | Epilobium angustifolium | Fireweed | BioBlitz (2015) | Visual observation | 10/10/2015 | | | |
| Onagraceae | Epilobium hornemannii | Hornemann's Willow-herb | SEINET | Preserved specimen | 7/7/1896 | Native | 6 | |
| Onagraceae | Gayophytum sp. | Groundsmoke | iNaturalist | Visual observation | 7/19/2021 | Native | 5 | |
| Orchidaceae | Calypso bulbosa americana | Eastern Fairy- slipper | iNaturalist | Visual observation | 6/6/2020 | | | |
| Orchidaceae | Corallorhiza maculata | Spotted Coral Root | SEINET | Preserved specimen | 6/15/1959 | Native | 7 | |
| Orchidaceae | Listera cordata subsp.nephrophylla | Western Heart- leaved Twayblade | SEINET | Preserved specimen | 7/10/1938 | | | |

| Family | Scientific Name | Common Name | Source | Observed/Preserved | Observation Date | Nativity, CO Noxious Weed Status | C value | CHNP Ranks |
|---------------|--------------------------|----------------------------|-------------|---------------------------|---------------------|--|------------|---------------|
| | | Heart-leaved | | | - 4. 4 | | | |
| Orchidaceae | Neottia cordata | Twayblade | SEINET | Preserved specimen | 8/1/1892 | | | |
| | | Tall White Bog | | | - / / | | | |
| Orchidaceae | Platanthera dilatata | Orchid | SEINET | Preserved specimen | 6/24/1972 | Native | 8 | |
| | Platanthera | | | | = /00 /000 / | | _ | |
| Orchidaceae | huronensis | Green Bog Orchid | iNaturalist | Visual observation | 7/22/2021 | Native | 7 | |
| | Platanthera | | | | | | | |
| 0 | hyperborea | Green-flowered | 66 | Danas and an anima an | | | | |
| Orchidaceae | hyperborea | Bog Orchid | CS | Preserved specimen | | | | |
| Orabidassas | Distanth our obtions | Blunt-leaved Bog Orchid | CC | Dunana wanda wa asima a w | | Mating | 10 | |
| Orchidaceae | Platanthera obtusata | Hooded Ladies' | CS | Preserved specimen | | Native | 10 | |
| Orchidaceae | Spiranthes romanzoffiana | | CS | Preserved specimen | | Native | 7 | |
| Orcindaceae | Tomunzojjiuna | Tresses Wholeleaf | CS | Preserved specimen | | ivative | / | |
| Orobanchaceae | Castilleja integra | Paintbrush | iNaturalist | Visual observation | 6/15/2017 | Native | 6 | |
| | - cacamoja meegra | Wyoming | | | 0, 20, 2021 | | | |
| Orobanchaceae | Castilleja linariifolia | Paintbrush | iNaturalist | Visual observation | 7/18/2021 | Native | 6 | |
| | Castilleja miniata | | | | | | | |
| Orobanchaceae | miniata | Scarlet Paintbrush | CS | Preserved specimen | | | | |
| Orobanchaceae | Castilleja rhexiifolia | Rosy Paintbrush | SEINET | Preserved specimen | 7/7/1896 | Native | 8 | |
| Orobanchaceae | Castilleja sp. | Paintbrush sp. | iNaturalist | Visual observation | 9/16/2017 | | | |
| Orobanchaceae | Castilleja sulphurea | Sulphur Paintbrush | SEINET | Preserved specimen | 7/9/1938 | Native | 7 | |
| | | Small-flowered | | · | | | | |
| Orobanchaceae | Collinsia parviflora | Blue-eyed Mary | SEINET | Preserved specimen | 7/7/1896 | Native | 4 | |
| | Pedicularis bracteosa | , , | | | . , | | | |
| Orobanchaceae | var. paysoniana | Bracted Lousewort | SEINET | Preserved specimen | 7/7/1896 | Native | 7 | |
| | Pedicularis | | | · | | | | |
| Orobanchaceae | groenlandica | Elephant Heads | SEINET | Preserved specimen | 7/7/1896 | Native | 8 | |
| | | Towering | | | | | | |
| Orobanchaceae | Pedicularis procera | Lousewort | SEINET | Preserved specimen | 7/9/1939 | Native | 8 | |

| Scientific Name | Common Name | Source | Observed/Preserved | Observation Date | Nativity, CO Noxious Weed Status | C value | CHNP Ranks |
|----------------------------------|---|---|--|--|---|---|---|
| Abies lasiocarpa | Subalpine Fir | SEINET | Preserved specimen | 6/24/1937 | | | |
| Picea engelmannii | Engelmann Spruce | SEINET | Preserved specimen | 6/18/1937 | Native | 5 | |
| Picea pungens | Colorado Blue Spruce | BioBlitz (2015) | Visual observation | 10/10/2015 | Native | 6 | |
| Pinus contorta | Lodgepole Pine | iNaturalist | Visual observation | 6/8/2016 | Native | 5 | |
| Pinus contorta var. Iatifolia | Rocky Mountain Lodgepole Pine | SEINET | Preserved specimen | 6/24/1937 | Native | 5 | |
| Pinus flexilis | Limber Pine | SEINET | Preserved specimen | 6/30/1937 | Native | 7 | |
| Pinus ponderosa | Ponderosa Pine | BioBlitz (2015) | Visual observation | 10/10/2015 | Native | 5 | |
| Pinus ponderosa var. scopulorum | Rocky Mountain Ponderosa Pine | SEINET | Preserved specimen | 6/27/1937 | Native | 5 | |
| Pseudotsuga menziesii | Douglas Fir | BioBlitz (2015) | Visual observation | 10/10/2015 | Native | 5 | |
| Pseudotsuga menziesii glauca | Rocky Mountain Douglas Fir (variety) | CS | Preserved specimen | | | | |
| Chionophila jamesii | Snowlover | SEINET | Preserved specimen | 7/7/1896 | Native | 9 | G4?S3S 4 |
| Penstemon hallii | Hall's Penstemon | CS | Preserved specimen | | Native | 8 | |
| Penstemon humilis | Low Beardtongue | iNaturalist | Visual observation | 6/15/2017 | Native | 7 | |
| Penstemon procerus | Small-flowered Beardtongue | iNaturalist | Visual observation | 7/17/2021 | Native | 6 | |
| Penstemon procerus formosus | Penstemon | iNaturalist | Visual observation | 6/15/2017 | | | |
| Penstemon procerus | Small-flowered Penstemon | | | -,, | | | |
| | Abies lasiocarpa Picea engelmannii Picea pungens Pinus contorta Pinus contorta var. latifolia Pinus flexilis Pinus ponderosa Pinus ponderosa var. scopulorum Pseudotsuga menziesii glauca Chionophila jamesii Penstemon hallii Penstemon procerus Penstemon procerus formosus | Abies lasiocarpaSubalpine FirPicea engelmanniiEngelmann SpruceColorado BlueSprucePinus contortaLodgepole PinePinus contorta var.Rocky MountainIatifoliaLodgepole PinePinus flexilisLimber PinePinus ponderosaPonderosa PinePinus ponderosa var.Rocky MountainscopulorumPonderosa PinePseudotsuga menziesiiDouglas FirPseudotsuga menziesiiRocky MountainPseudotsuga menziesiiDouglas Firglauca(variety)Chionophila jamesiiSnowloverPenstemon halliiHall's PenstemonPenstemon procerusSmall-floweredPenstemon procerusPenstemonformosus(subspecies)Small-floweredPenstemonpenstemon procerusSmall-floweredPenstemon procerusPenstemonPenstemon procerusPenstemonPenstemon procerusPenstemonPenstemon procerusPenstemon | Abies lasiocarpaSubalpine FirSEINETPicea engelmanniiEngelmann SpruceSEINETColorado BlueBioBlitzPicea pungensSpruce(2015)Pinus contortaLodgepole PineiNaturalistPinus contorta var.Rocky MountainSEINETIatifoliaLodgepole PineSEINETPinus flexilisLimber PineSEINETPinus ponderosaPonderosa Pine(2015)Pinus ponderosa var.Rocky MountainSEINETPseudotsuga menziesiiDouglas Fir(2015)Pseudotsuga menziesiiDouglas Fir(2015)Pseudotsuga menziesiiPonderosa PineCSChionophila jamesiiSnowloverSEINETPenstemon halliiHall's PenstemonCSPenstemon humilisLow BeardtongueiNaturalistPenstemon procerusBeardtongueiNaturalistPenstemon procerusSmall-floweredPenstemonPenstemon procerusSmall-floweredPenstemonPenstemon procerusSmall-floweredPenstemonPenstemon procerusPenstemoniNaturalist | Abies lasiocarpa Subalpine Fir SEINET Preserved specimen Picea engelmannii Engelmann Spruce SEINET Preserved specimen Picea pungens Spruce (2015) Visual observation Pinus contorta Lodgepole Pine iNaturalist Visual observation Pinus contorta var. Rocky Mountain Lodgepole Pine SEINET Preserved specimen Pinus flexilis Limber Pine SEINET Preserved specimen Pinus ponderosa Ponderosa Pine (2015) Visual observation Pinus ponderosa var. Rocky Mountain SEINET Preserved specimen Pseudotsuga menziesii Douglas Fir (2015) Visual observation Pseudotsuga menziesii Rocky Mountain Douglas Fir (2015) Visual observation Pseudotsuga menziesii Rocky Mountain Douglas Fir (2015) Visual observation Penstemon hallii Hall's Penstemon CS Preserved specimen Penstemon humilis Low Beardtongue iNaturalist Visual observation Penstemon procerus Penstemon (subspecies) iNaturalist Visual observation Small-flowered Penstemon Formosus Small-flowered Penstemon Penstemo | Scientific NameCommon NameSourceObserved/PreservedDateAbies lasiocarpaSubalpine FirSEINETPreserved specimen6/24/1937Picea engelmanniiEngelmann SpruceSEINETPreserved specimen6/18/1937Picea pungensSpruce(2015)Visual observation10/10/2015Pinus contortaLodgepole PineiNaturalistVisual observation6/8/2016Pinus contorta var. IatifoliaLodgepole PineSEINETPreserved specimen6/24/1937Pinus flexilisLimber PineSEINETPreserved specimen6/30/1937Pinus ponderosaPonderosa Pine(2015)Visual observation10/10/2015Pinus ponderosa var. scopulorumRocky Mountain Ponderosa PineSEINETPreserved specimen6/27/1937Pseudotsuga menziesiiDouglas Fir (variety)CSPreserved specimen6/27/1937Pseudotsuga menziesiiDouglas Fir (variety)CSPreserved specimen7/7/1896Chionophila jamesiiSnowloverSEINETPreserved specimen7/7/1896Penstemon humilisLow BeardtongueiNaturalistVisual observation6/15/2017Penstemon procerusBeardtongueiNaturalistVisual observation6/15/2017Penstemon procerusSmall-flowered PenstemonPenstemon6/15/2017Penstemon procerusSmall-flowered PenstemonPenstemon6/15/2017 | Scientific NameCommon NameSourceObserved/PreservedDateWeed StatusAbies IasiocarpaSubalpine FirSEINETPreserved specimen6/24/1937Picea engelmanniiEngelmann SpruceSEINETPreserved specimen6/18/1937NativePicea pungensSpruce(2015)Visual observation10/10/2015NativePinus contortaLodgepole PineiNaturalistVisual observation6/8/2016NativePinus contorta var. latifoliaLodgepole PineSEINETPreserved specimen6/24/1937NativePinus flexilisLimber PineSEINETPreserved specimen6/30/1937NativePinus ponderosaPonderosa Pine(2015)Visual observation10/10/2015NativePinus ponderosa var. scopulorumRocky Mountain Ponderosa PineSEINETPreserved specimen6/27/1937NativePseudotsuga menziesiiDouglas Fir (variety)Visual observation10/10/2015NativePreserved suga menziesiiRocky Mountain Douglas Fir (variety)CSPreserved specimen7/7/1896NativePenstemon halliiHall's PenstemonCSPreserved specimen7/7/1896NativePenstemon procerusSmall-flowered Penstemon FormosusSmall-flowered PenstemonVisual observation7/17/2021NativePenstemon procerusSmall-flowered PenstemonPenstemonFormosusVisual observation6/15/2017 | Scientific NameCommon NameSourceObserved/PreservedDateWeed StatusvalueAbies lasiocarpaSubalpine FirSEINETPreserved specimen6/24/19375Picea engelmanniiEngelmann SpruceSEINETPreserved specimen6/18/1937Native5Colorado Blue SpruceColorado Blue SpruceBioBlitz (2015)Visual observation10/10/2015Native6Pinus contortaLodgepole PineINaturalistVisual observation6/8/2016Native5Pinus contorta var. IatifoliaLodgepole PineSEINETPreserved specimen6/24/1937Native5Pinus flexilisLimber PineSEINETPreserved specimen6/30/1937Native7Pinus ponderosaPonderosa PineSEINETPreserved specimen10/10/2015Native5Pinus ponderosa var. scapulorumRocky Mountain Ponderosa PineSEINETPreserved specimen6/27/1937Native5Pseudotsuga menziesiiDouglas Fir (variety)CSPreserved specimen10/10/2015Native5Penstemon halliiHall's PenstemonCSPreserved specimen7/7/1896Native9Penstemon procerusBeardtongueiNaturalistVisual observation6/15/2017Native6Penstemon procerusSmall-flowered Penstemon (subspecies)iNaturalistVisual observation7/17/2021Native6Penstemon procerusSmall-flowered Penstemon< |

| Family | Scientific Name | Common Name | Source | Observed/Preserved | Observation Date | Nativity, CO Noxious Weed Status | C value | CHNP Ranks |
|----------------|--------------------------------------|------------------------------------|--------------------|--------------------|---------------------|--|------------|---------------|
| | | Rydberg | | | | | | |
| Plantaginaceae | Penstemon rydbergii | Penstemon | iNaturalist | Visual observation | 7/22/2021 | Native | 7 | |
| Plantaginaceae | Penstemon sp. | Beardtongue sp. | iNaturalist | Visual observation | 7/28/2021 | | | |
| Poaceae | Agrostis exarata | Spike Bentgrass | CS | Preserved specimen | | Native | 7 | |
| Poaceae | Agrostis hyemalis | Rough Bentgrass | SEINET | Preserved specimen | 8/1/1927 | | | |
| Poaceae | Agrostis sp. | Bentgrass sp. | iNaturalist | Visual observation | 7/17/2021 | | | |
| Poaceae | Alopecurus aequalis | Short-awned Foxtail | SEINET | Preserved specimen | 8/24/1926 | Native | 4 | |
| Poaceae | Beckmannia syzigachne | American Slough Grass | SEINET | Preserved specimen | 8/24/1927 | Native | 4 | |
| Poaceae | Bromus inermis | Smooth Brome | iNaturalist | Visual observation | 8/6/2018 | Non-native | 0 | |
| Poaceae | Bromus tectorum | Cheatgrass | BioBlitz (2015) | Visual observation | 10/10/2015 | Non-native, C | 0 | |
| Poaceae | Calamagrostis purpurascens | Purple Reedgrass | SEINET | Preserved specimen | 07/30/1899 | Native | 7 | |
| Poaceae | Danthonia parryi | Parry's Oatgrass | BioBlitz (2015) | Visual observation | 10/10/2015 | Native | 8 | |
| Poaceae | Elymus elymoides | Squirreltail | iNaturalist | Visual observation | 8/27/2021 | Native | 4 | |
| Poaceae | Elymus elymoides subsp.brevifolius | Squirreltail (subspecies) | SEINET | Preserved specimen | 8/25/1927 | | | |
| Poaceae | Elymus lanceolatus subsp.lanceolatus | Thickspike Wheatgrass (subspecies) | SEINET | Preserved specimen | 8/25/1927 | | | |
| Poaceae | Elymus smithii | Western Wheatgrass | iNaturalist | Visual observation | 7/22/2021 | | | |
| Poaceae | Elymus trachycaulus trachycaulus | Slender Wheatgrass | CS | Preserved specimen | | | | |
| Poaceae | Festuca idahoensis | Idaho Fescue | BioBlitz (2015) | Visual observation | 10/10/2015 | Native | 7 | |
| Poaceae | Festuca ovina | Sheep's Fescue | CS | Preserved specimen | | | | |

| Family | Scientific Name | Common Name | Source | Observed/Preserved | Observation Date | Nativity, CO Noxious Weed Status | C value | CHNP Ranks |
|------------------|---------------------------------|--------------------|--------------------|--------------------|---------------------|--|------------|---------------|
| | | | BioBlitz | | | | | |
| Poaceae | Koeleria macrantha | June Grass | (2015) | Visual observation | 10/10/2015 | Native | 6 | |
| _ | Muhlenbergia | | BioBlitz | | 10/10/2017 | | _ | |
| Poaceae | montana | Mountain Muhly | (2015) | Visual observation | 10/10/2015 | Native | 7 | |
| Poaceae | Phleum pratense | Timothy Grass | iNaturalist | Visual observation | 7/28/2021 | Non-native | 0 | |
| Poaceae | Poa compressa | Canada Bluegrass | iNaturalist | Visual observation | 7/19/2021 | Non-native | 0 | |
| Poaceae | Poa cusickii subsp.epilis | Cusick's Bluegrass | SEINET | Preserved specimen | 07/04/1896 | | | |
| Poaceae | Poa secunda | Pine Bluegrass | iNaturalist | Visual observation | 7/23/2020 | | | |
| Poaceae | Poa spp. | Bluegrass | BioBlitz (2015) | Visual observation | 10/10/2015 | | | |
| Touceac | 7 ой эрр. | Narrow-leaved | (2013) | Visual observation | 10/10/2015 | | | |
| Polemoniaceae | Collomia linearis | Mountain-trumpet | CS | Preserved specimen | | Native | 4 | |
| | Polemonium pulcherrimum | | | | 7/7/4006 | | | |
| Polemoniaceae | subsp.delicatum | Jacob's-ladder | SEINET | Preserved specimen | 7/7/1896 | | | |
| Polygonaceae | Eriogonum alatum var. alatum | Winged Buckwheat | SEINET | Preserved specimen | 8/29/1936 | | | |
| Polygonaceae | Eriogonum sp. | Wild Buckwheats | iNaturalist | Visual observation | 7/27/2021 | | | |
| Polygonaceae | Eriogonum umbellatum | Sulphur Flower | BioBlitz (2015) | Visual observation | 10/10/2015 | Native | 6 | |
| Polygonaceae | Oligogonum sp. | Buckwheat sp. | iNaturalist | Visual observation | 7/25/2020 | | | |
| Polygonaceae | Polygonum bistortoides | American Bistort | SEINET | Preserved specimen | 7/17/1961 | | | |
| Polygonaceae | Polygonum viviparum | Alpine Bistort | CS | Preserved specimen | ., ., ., | | | |
| Polygonaceae | Rumex acetosella | Red Sorrel | CS | Preserved specimen | | Non-native | 0 | |
| Polygonaceae | Rumex sp. | Docks sp. | iNaturalist | Visual observation | 7/22/2021 | Non native | | |
| Тотувописеие | Potamogeton | Ribbon-leaved | iivataranst | visual observation | ,,22,2021 | | | |
| Potamogetonaceae | epihydrus | Pondweed | CS | Preserved specimen | | Native | 5 | |

| Family | Scientific Name | Common Name | Source | Observed/Preserved | Observation Date | Nativity, CO Noxious Weed Status | C value | CHNP Ranks |
|------------------|------------------------|--------------------------------|-------------|--------------------|---------------------|--|------------|---------------|
| , | Potamogeton | | | | | | | |
| Potamogetonaceae | gramineus | Grassy Pondweed | CS | Preserved specimen | | Native | 4 | |
| | Androsace | Northern | | | | | | |
| Primulaceae | septentrionalis | Androsace | SEINET | Preserved specimen | 07/07/1895 | Native | 6 | |
| | Dodecatheon | Dark Throat | | | | | | |
| Primulaceae | pulchellum pulchellum | Shooting Star | CS | Preserved specimen | | | | |
| Primulaceae | Primula parryi | American Primrose | SEINET | Preserved specimen | 7/4/1996 | Native | 8 | |
| Primulaceae | Primula pauciflora | Dark-throated Shooting Star | iNaturalist | Visual observation | 7/22/2021 | | | |
| | Aconitum | Columbian | | | | | | |
| Ranunculaceae | columbianum | Monkshood | iNaturalist | Visual observation | 7/22/2021 | Native | 8 | |
| | Aconitum | Columbian | | | | | | |
| | columbianum var. | Monkshood | | | | | | |
| Ranunculaceae | columbianum | (variety) | SEINET | Preserved specimen | 7/9/1938 | | | |
| | Anemone multifida | | | | | | | |
| Ranunculaceae | hudsoniana | Pacific Anemone | CS | Preserved specimen | | | | |
| | | Rocky Mountain | | _ | | | | |
| Ranunculaceae | Aquilegia coerulea | Columbine | SEINET | Preserved specimen | 7/7/1896 | Native | 8 | |
| Ranunculaceae | Aquilegia sp. | Columbines | iNaturalist | Visual observation | 7/22/2019 | | | |
| _ | | White Marsh | | | | | | |
| Ranunculaceae | Caltha leptosepala | Marigold | iNaturalist | Visual observation | 5/27/2019 | Native | 7 | G4S4 |
| Ranunculaceae | Clematis occidentalis | Purple Clematis | iNaturalist | Visual observation | 6/26/2019 | | | |
| Ranunculaceae | Delphinium ramosum | Colorado Larkspur | CS | Preserved specimen | | Native | 5 | |
| | Psychrophila | White Marsh | | | | | | |
| Ranunculaceae | leptosepala | Marigold | SEINET | Preserved specimen | 7/10/1938 | | | |
| _ | | Prairie | | | | | | |
| Ranunculaceae | Pulsatilla nuttalliana | Pasqueflower | iNaturalist | Visual observation | 8/30/2018 | | | |
| | Ranunculus | Heart-leaved | | | | . | | |
| Ranunculaceae | cardiophyllus | Buttercup | CS | Preserved specimen | | Native | 8 | |

| Family | Scientific Name | Common Name | Source | Observed/Preserved | Observation Date | Nativity, CO Noxious Weed Status | C value | CHNP Ranks |
|---------------|-------------------------------|--------------------------|--------------------|--------------------|---------------------|--|------------|---------------|
| | Ranunculus | | | | | | | |
| Ranunculaceae | inamoenus | Graceful Buttercup | SEINET | Preserved specimen | 08/01/1892 | Native | 7 | |
| Ranunculaceae | Trollius albiflorus | White Globe- flower | SEINET | Preserved specimen | 7/10/1938 | Native | 8 | |
| | | Snowbrush | | | | | | |
| Rhamnaceae | Ceanothus velutinus | Ceanothus | iNaturalist | Visual observation | 7/22/2021 | Native | 7 | |
| Rosaceae | Dasiphora fruticosa | Shrubby Cinquefoil | iNaturalist | Visual observation | 7/28/2021 | | | |
| Rosaceae | Drymocallis fissa | Big-flower Cinquefoil | iNaturalist | Visual observation | 7/18/2021 | | | |
| Rosaceae | Fragaria ovalis | Strawberry | BioBlitz (2015) | Visual observation | 10/10/2015 | | | |
| Rosaceae | Fragaria sp. | Strawberry | iNaturalist | Visual observation | 7/27/2021 | | | |
| Rosaceae | Fragaria vesca | Wild Strawberry | iNaturalist | Visual observation | 6/3/2019 | Native | 5 | |
| Rosaceae | Fragaria virginiana | Virginia Strawberry | iNaturalist | Visual observation | 7/28/2021 | Native | 5 | |
| Rosaceae | Geum aleppicum | Yellow Avens | CS | Preserved specimen | | Native | 6 | |
| Rosaceae | Geum macrophyllum | Large-leaf Avens | SEINET | Preserved specimen | 7/9/1938 | Native | 6 | |
| Rosaceae | Geum triflorum | Prairie Smoke | CS | Preserved specimen | | Native | 7 | |
| Rosaceae | Pentaphylloides floribunda | Shrubby Cinquefoil | CS | Preserved specimen | | | | |
| Rosaceae | Potentilla fruticosa | Shrubby Cinquefoil | BioBlitz (2015) | Visual observation | 10/10/2015 | Native | 4 | |
| Rosaceae | Potentilla gracilis | Slender Cinquefoil | iNaturalist | Visual observation | 7/27/2021 | Native | 5 | |
| Rosaceae | Potentilla pulcherrima | Soft Cinquefoil | SEINET | Preserved specimen | 7/7/1896 | Native | 5 | |
| Rosaceae | Potentilla sp. | Cinquefoil sp. | iNaturalist | Visual observation | 7/28/2021 | | | |
| Rosaceae | Potentilla spp. | Cinquefoil species | BioBlitz (2015) | Visual observation | 10/10/2015 | | | |
| Rosaceae | Rosa acicularis subsp.sayi | Prickly Wild Rose | SEINET | Preserved specimen | 7/7/1896 | | | |
| Rosaceae | Rosa woodsii | Wood's Rose | BioBlitz (2015) | Visual observation | 10/10/2015 | Native | 5 | |

| | | | | | Observation | Nativity, CO Noxious | С | CHNP |
|-------------------|-------------------------------------|--------------------------|--------------------|--------------------|-------------|-------------------------|-------|-------|
| Family | Scientific Name | Common Name | Source | Observed/Preserved | Date | Weed Status | value | Ranks |
| Rosaceae | Rosa woodsii ultramontana | Wood's Rose (variety) | CS | Preserved specimen | | | | |
| NOSacede | uttumontana | (variety) | BioBlitz | Freserveu specimen | | | | |
| Rosaceae | Rubus strigosus | Wild Red Raspberry | (2015) | Visual observation | 10/10/2015 | | | |
| Rosaceae | Sibbaldia procumbens | Creeping Sibbaldia | SEINET | Preserved specimen | 04/09/1898 | Native | 6 | |
| | , | 1 0 | BioBlitz | , | , , | | | |
| Rubiaceae | Galium boreale | Bedstraw | (2015) | Visual observation | 10/10/2015 | Native | 6 | |
| Salicaceae | Populus tremuloides | Trembling Aspen | iNaturalist | Visual observation | 6/3/2019 | Native | 5 | |
| | | Barren-ground | | | | | | |
| Salicaceae | Salix brachycarpa | Willow | SEINET | Preserved specimen | 7/9/1938 | Native | 8 | |
| Salicaceae | Salix geyeriana | Geyer's Willow | SEINET | Preserved specimen | 7/9/1938 | Native | 6 | |
| Salicaceae | Salix planifolia | Tea-leaved Willow | CS | Preserved specimen | | Native | 7 | |
| Salicaceae | Salix sp. | Willows sp. | iNaturalist | Visual observation | 5/23/2016 | | | |
| Salicaceae | Salix spp. | Willows species | BioBlitz (2015) | Visual observation | 10/10/2015 | | | |
| Salicaceae | Salix wolfii | Wolf Willow | SEINET | Preserved specimen | 7/8/1932 | Native | 8 | |
| Saxifragaceae | Heuchera bracteata | Bracted Alumroot | SEINET | Preserved specimen | 6/30/1946 | Native | 8 | |
| | Micranthes | | | | | | | |
| Saxifragaceae | rhomboidea | Snowball Saxifrage | SEINET | Preserved specimen | 7/7/1896 | Native | 8 | |
| Saxifragaceae | Mitella pentandra | Alpine Mitrewort | SEINET | Preserved specimen | 7/7/1896 | Native | 9 | |
| Scrophulariaceae | Castelija miniata | Scarlet Paintbrush | BioBlitz (2015) | Visual observation | 10/10/2015 | | | |
| Scropilulariaceae | Custenju mimutu | Scarlet Failithiusii | BioBlitz | visual observation | 10/10/2013 | | | |
| Scrophulariaceae | Penstemon spp. | Penstemon species | (2015) | Visual observation | 10/10/2015 | | | |
| Scrophulariaceae | Veronica peregrina subsp.xalapensis | Purslane Speedwell | SEINET | Preserved specimen | 7/9/1938 | | | |
| Valerianaceae | Valeriana acutiloba | Subalpine Valerian | SEINET | Preserved specimen | 7/7/1896 | Native | 8 | |
| Valerianaceae | Valeriana edulis | Edible Valerian | SEINET | Preserved specimen | 7/9/1938 | Native | 7 | |
| Valerianaceae | Valeriana occidentalis | Western Valerian | CS | Preserved specimen | | Native | 7 | |

| Family | Scientific Name | Common Name | Source | Observed/Preserved | Observation Date | Nativity, CO Noxious Weed Status | C value | CHNP Ranks |
|-----------|------------------|-----------------|-------------|--------------------|---------------------|--|------------|---------------|
| | | | BioBlitz | | | | | |
| Viscaceae | Arceuthobium sp. | Dwarf Mistletoe | (2015) | Visual observation | 10/10/2015 | | | |
| | Bryophyta | Mosses | iNaturalist | Visual observation | 7/22/2021 | | | |

Table 3. Fungi Species List at the Mountain Campus, compiled from research and field visit. Species of Concern are in bold. See the GBIF Registry of Scientific Collections for institution codes for the Source field.

| Family | Scientific Name | Common Name | Source | Observed/Preserved | Observation Date | CNHP Ranks |
|-------------------|---------------------|-----------------------|-------------|--------------------|-------------------------|------------|
| Acanthaceae | Amanita muscaria | | iNaturalist | Visual observation | 7/17/2021 | |
| | Amanita muscaria | | | | | |
| Acanthaceae | flavivolvata | | iNaturalist | Visual observation | 7/18/2021 | |
| | | Amanita | | | | |
| Acanthaceae | Amanita sp. | mushrooms | iNaturalist | Visual observation | 7/18/2021 | |
| | | Western Giant | | | | |
| Agaricaceae | Calvatia booniana | Puffball | iNaturalist | Visual observation | 8/6/2018 | |
| Boletaceae | Boletaceae sp. | Boletes | iNaturalist | Visual observation | 7/17/2021 | |
| Cladoniaceae | Cladonia fimbriata | Trumpet lichen | iNaturalist | Visual observation | 7/28/2021 | |
| Hymenogasteraceae | Gymnopilus sp. | rustgills and gyms | iNaturalist | Visual observation | 7/18/2021 | |
| Icmadophilaceae | Thamnolia sp. | Whiteworm Lichens | iNaturalist | Visual observation | 7/4/2021 | |
| Morchellaceae | Morchella sextelata | | DBG | Preserved specimen | 7/30/1995 | |
| Parmeliaceae | Xanthoparmelia sp. | Rock shield lichens | iNaturalist | Visual observation | 7/4/2021 | |
| Peltigeraceae | Peltigera sp. | elt lichens | iNaturalist | Visual observation | 7/28/2021 | |
| Physalacriaceae | Armillaria sp. | honey mushrooms | iNaturalist | Visual observation | 9/3/2021 | |
| Polyporaceae | Trametes sp. | | iNaturalist | Visual observation | 7/28/2021 | |
| Rhizinaceae | Rhizina undulata | | DBG | Preserved specimen | 7/30/1995 | |
| | Lophodermella | | | | | |
| Rhytismataceae | concolor | | NY | Preserved specimen | 8/6/1964 | |
| Suillaceae | Suillus brevipes | Short-stalked Suillus | iNaturalist | Visual observation | 7/28/2021 | |
| | | Dotted-stalked | | | | |
| Suillaceae | Suillus granulatus | Suillus | iNaturalist | Visual observation | 7/21/2018 | |