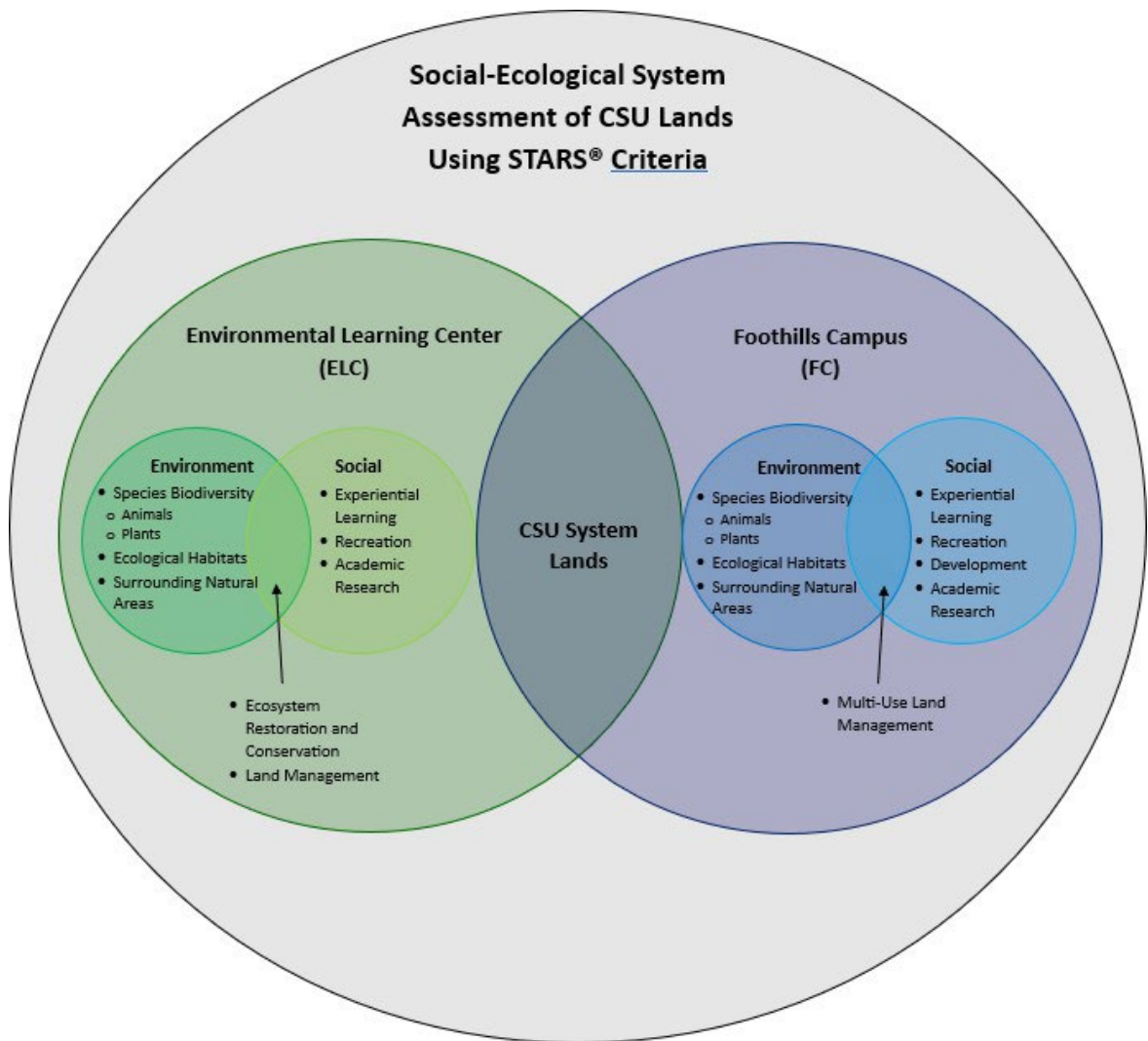


Biodiversity Survey of Colorado State University Lands: Foothills Campus & Environmental Learning Center



**WARNER COLLEGE
OF NATURAL RESOURCES**
COLORADO STATE UNIVERSITY

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.

This report is a collaboration between the
Colorado Natural Heritage Program
&
Ecosystem Science and Sustainability Department
Warner College of Natural Resources
Colorado State University

Report Prepared for:
Colorado State University Facilities Management

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Biodiversity Survey of Colorado State University Lands: Foothills Campus and Environmental Learning Center

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Colorado Natural Heritage Program
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Ecosystem Science and Sustainability Department
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Abstract

During the academic year of 2021-2022, the Colorado Natural Heritage Program (CNHP) was contracted by Colorado State University (CSU) Facilities Management to complete a biodiversity survey of the CSU lands. This effort, involving students from two Ecosystem Science and Sustainability (ESS) classes at CSU, resulted in a published [storymap](#) and [report](#) (Smith et al. 2022).

During the academic year of 2023-2024, CNHP was again contracted by CSU Facilities Management to build upon this original project with an in-depth biodiversity survey of two properties in the CSU lands: the Foothills Campus (FC) and the Environmental Learning Center (ELC). These lands were selected from the original project for more in-depth analysis based on their ecosystem diversity significance. The original assessment and this latest 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 biodiversity importance on CSU-owned and managed lands. Students from ESS classes were again led by CNHP staff to conduct the geospatial analysis, research, and field data collection efforts, thereby lowering project costs and providing an experiential learning opportunity for the students.

This project had three phases: 1) a biodiversity review of the two properties relying on student research of existing data, 2) a field study completed by CNHP staff, ELC staff, and ESS 501 and 440 students in the fall of 2023 and spring of 2024 to verify existing observations, collect new species observations, and gain a better understanding of the ecosystem on the properties and their health, and 3) a comprehensive data analysis and review culminating in the development of an [ArcGIS 2024 Storymap](#) that communicates the data collected and provides guidance for future field work and management of these CSU system lands.

A total of 481 taxa (412 identified to species level) were recorded from the FC campus through human observations or preserved specimens. Observations were subdivided into 310 Animalia taxa, 3 Fungi taxa, and 168 Plantae taxa. There were 1,074 unique taxa (810 identified to species level) recorded from the various data sources at the ELC from human observations or preserved specimens. Observations were subdivided into 749 Animalia taxa, 19 Fungi taxa, and 306 Plantae taxa. Over 100 new taxa were observed during the 2023 and 2024 field work for this project conducted by CNHP and ESS students, and these taxa were included in the lists at each property. Most observations were species specific and observed within the last 20 years. Twenty animal species observed on the Foothills Campus and 27 animal species observed at the Environmental Learning Center were of known conservation concern as listed in the Colorado State Wildlife Action Plan (CPW 2015). The vegetation at both properties was evaluated based on Coefficient of Conservatism (C) values and species richness. C-values range from 0 to 10 and represent an estimated probability that a plant is likely to occur in a landscape relatively unaltered from pre-European settlement conditions. High C-values are assigned to species which are obligate to high-quality natural areas and cannot tolerate habitat degradation, while low C-values are assigned to species with a wide tolerance to human disturbance. C-values are averaged to determine the mean C. At the Foothills Campus, we calculated a mean C of 3.13 based on 124 species with the oldest unique species observation being made in 2017. At the ELC, we calculated a mean C of 2.36 based on 195 species observations with the oldest unique species observation being made in 2012. These mean C values are considered low and reflect the higher number of non-native plant species, as well as prevalence of native plant species that are able to tolerate high levels of disturbance. Using the Index of Biotic Integrity (IBI), both

properties fell into the “Largely Intact” category. An Ecological Integrity Assessment was conducted at the ELC and wetlands there were rated in the fair/good category.

The resulting species diversity lists and ecological data analyses not only serve as a foundation for future conservation efforts at various levels, but also provide crucial insights for managers working to address species and habitats of concern, non-native species, proper land usage, and the overall health of these ecosystems.

ACKNOWLEDGEMENTS

This project was made possible through funding from CSU Facilities Management, championed by Carol Dollard and Stacey Baumgarn. Gratitude goes to the students of ESS 501 and ESS 440 and their teacher, Stacey Lynn, without whom this project would not have been possible. The ESS 501 class included Shefa Almansour, Tessa Birt, Katie Jones, Ashley Schilling, and Toni Stafford. Within this class, Katie Jones was the point of communication and the primary user of geospatial data. Katie Jones and Tessa Birt collected, organized, and condensed the FC and ELC species databases. Ashley Schilling drafted the case study report and was responsible for organization. Shefa Almansour researched and organized the case study storymap. Toni Stafford researched STARS information, drafted related sections, and performed the final QA/QC for the case study report. All members of ESS 501 conducted *in situ* field observations at both study sites and helped write and edit the first version of this report. The ESS 440 class included River Blessing, Mitchel Dilger, Alex Lage, John Ramstead, Matthew Schmidt, Owen Severance, Nathan Thompson and Ian Wilson. The members of this class all conducted *in situ* field observations at both study sites and helped write and edit the second version of this report and storymap. We would also like to thank the staff at the CNHP who provided students with guidance throughout the process of data collection and field work: Dave Anderson, Allison Clark, Laurie Gilligan, Susan Panjabi, Jessica Smith, John Sovell, and Brenda Wichmann and a special thanks to Georgia Doyle for her edits on this report. Gratitude is also due to Nicole Stafford, Director of the CSU Environmental Learning Center, for her assistance with access and site knowledge. We would also like to thank the interviewees, facility managers, and researchers who lent us their data and gave us further direction: Bernadette Kuhn, Chris Myrick, and Stacey Baumgarn. We would also like to thank Scott Godwin, Nursery Manager at Colorado State Forest Service at Foothills Campus. This project was truly a group effort and was only possible with these helping hands.

The properties of Colorado State University 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, covering almost 4,000 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.

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Foothills Campus Observed Taxa 47
Environmental Learning Center Observed Taxa 66

Introduction

The [Colorado Natural Heritage Program](#) (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 natural plant communities and is a member of the [NatureServe Network](#), 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 (Smith et al. 2022). This assessment was 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, [Sustainability Tracking, Assessment & Ratings System](#) (STARS 2023). Through this system, Colorado State University has been rated by the Association for the Advancement of Sustainability in Higher Education STARS program as one of the nation’s most sustainable academic institutions. Through the STARS program, CSU has received and maintained the highest rating of Platinum since 2015, demonstrating a sustained commitment to campus sustainability. CSU is committed to participating in the STARS program by incorporating sustainability efforts through academics, research, operations, student engagement, and administration.

To continue the support of CSU’s campus-wide sustainability efforts, CSU Facilities Management contracted with the Colorado Natural Heritage Program (CNHP) during the academic year of 2023-2024 to conduct in-depth biodiversity surveys of two properties: the Foothills Campus (FC) and the Environmental Learning Center (ELC) (Figure 1). These two properties were chosen based on results from the original 2022 study, which showed the Foothills Campus as being the highest ranked CSU property in the number of regulatory and other species of concern within a 1-mile buffer and the highest ranked in the diversity of ecosystems. The ELC, although small, had the highest number of National Wetland Inventory wetland classes and wetland acreage. This property was also in the highest class for climate resiliency and highly ranked for the number of regulatory and other species of concern within a 1-mile buffer (Smith et al. 2022). CNHP again partnered with students in the [Ecosystem Science and Sustainability](#) major at CSU, with a graduate student class in the fall of 2023 (ESS 501) and an undergraduate capstone course in spring of 2024 (ESS 440), to gather data from academic sources, published data, citizen science data, and personal observations to construct a comprehensive list of the species found on the properties.

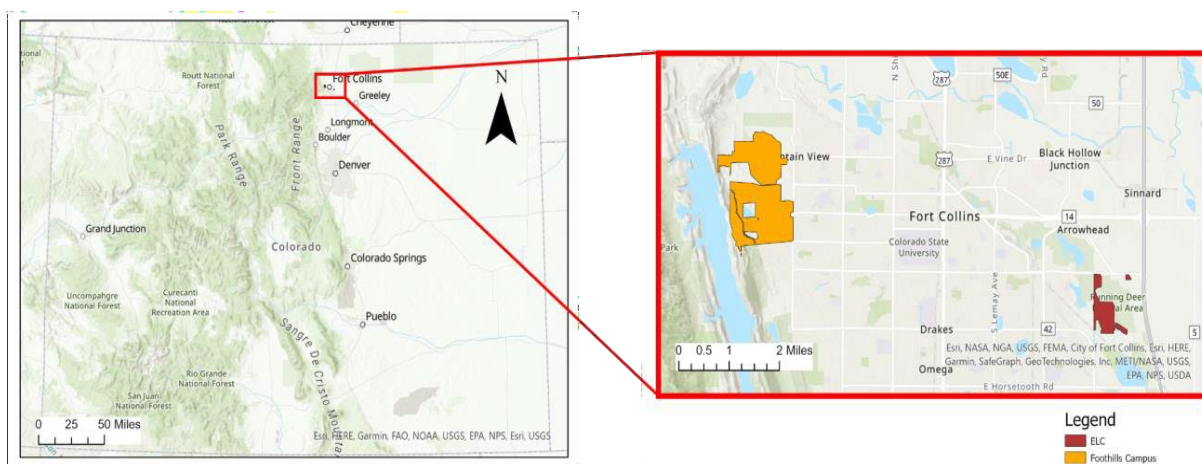


Figure 1. Location of the Foothills Campus (FC) and Environmental Learning Center (ELC) within Colorado. The FC is displayed in orange and the ELC in red.

The following biodiversity survey conducted at the FC and ELC will serve as a basis for CSU Facilities Management to enhance reporting on the biodiversity aspect within the operations category of the sustainability performance framework monitored by STARS. These surveys demonstrate CSU's contribution to documenting biodiversity and informing future efforts toward land use planning, restoration, management, and habitat connectivity enhancement.

This project had three phases:

1. A biodiversity review of the two properties relying on student research of existing data
2. Field study completed by CNHP staff, ELC staff, and ESS 501 and 440 students in the fall of 2023 and spring of 2024 to verify existing observations, collect new species observations, and gain a better understanding of the ecosystem on the properties and their health.
3. A comprehensive data analysis and review culminating in the development of an [ArcGIS StoryMap](#) that communicates the data collected and provides guidance for future field work and management of these CSU system lands.

Foothills Campus

The FC encompasses 1,386 acres (561 hectares) of land in Larimer County, just west of the main CSU campus (Figure 2). Uses of the FC include, but are not limited to, the City of Fort Collins Water Treatment Plant, Christman Airfield, Colorado National Guard training grounds, National Wildlife Research Center, CSU's Methane Emissions Technology Evaluation Center, Poudre Fire Authority Training Center, 5.3 MW solar plant, CSU's Equine Center, the Colorado State Forest Service greenhouse and nursery, Centers for Disease Control and Prevention Infectious Disease Research Center, and other laboratory facilities. A trail runs through the grassland and shrubland on the western edge of the property. The dominant land cover at the FC is herbaceous grassland and shrubland. Additional land cover types include developed, scrub/shrub, agriculture, open water, emergent herbaceous wetlands, and woody wetlands (Smith et al. 2022). The 2022 Biodiversity of the Colorado State University Lands report also showed the FC to have modeled or potential habitat for two documented regulatory species within one mile of the site and the potential to support 88 species of concern. The two regulatory species are the Cutthroat Trout (*Oncorhynchus clarkii*) and Ute Lady's Tresses (*Spiranthes diluvialis*) (Smith et al. 2022).

Adjacent to the Foothills Campus are areas of conservation importance, including the Maxwell Natural Area (City of Fort Collins), Horsetooth Reservoir (Larimer County), and several areas identified by CNHP as [potential conservation areas](#) with very high biodiversity significance (Dixon Creek and Horsetooth Reservoir Hogbacks). In the 2022 Biodiversity of the Colorado State University Lands survey, landscape disturbance was quantified for the FC using the CNHP modeled Landscape Disturbance Index. 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 FC was considered to have a high mean landscape disturbance index score but was ranked first in ecosystem diversity (Smith et al. 2022), signifying a need for an assessment of the area's biodiversity and identification of optimal management opportunities to preserve the limited natural ecosystems within the FC property boundaries.

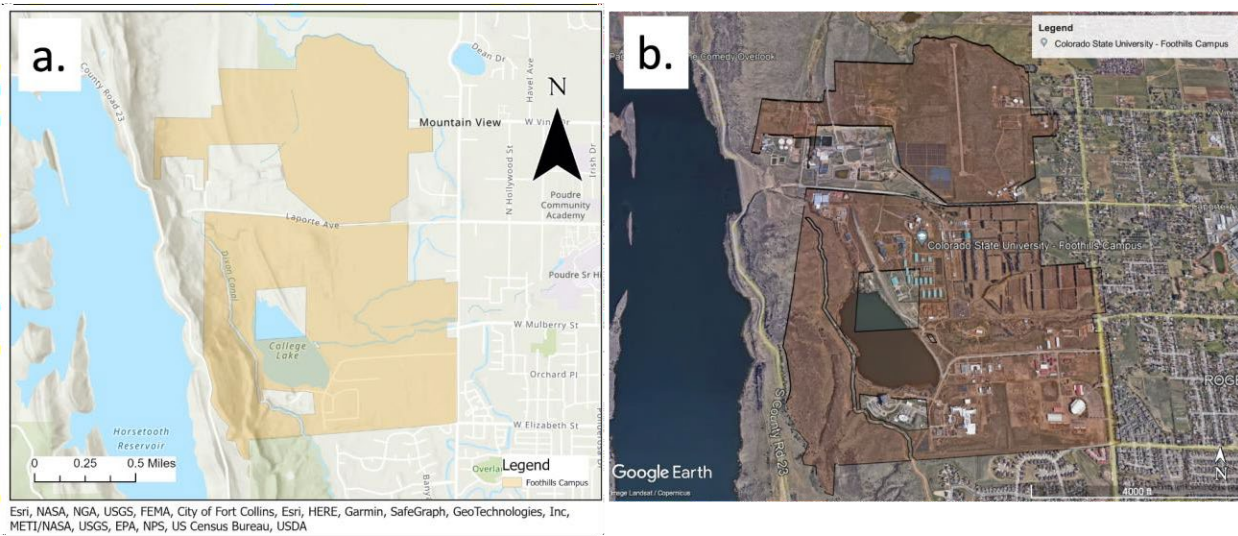


Figure 2. CSU-Foothills Campus property map (orange outline) showing a) topographic and b) aerial imagery features.

Environmental Learning Center

Also situated within Fort Collins in Larimer County, the Environmental Learning Center spans 179 acres (73 hectares) and serves primarily as a site for youth environmental education (Figure 3). Its main objective is to cultivate an appreciation for the outdoors and nurture future environmental leaders. It is home to active Bald Eagle nests, in addition to serving as potential habitat for the federally threatened Preble's Meadow Jumping Mouse. According to the 2022 Biodiversity of the Colorado State University Lands survey, the ELC is the only CSU property classified as having a dominant ecosystem of emergent herbaceous wetlands, making this a critical property to preserve and manage (Smith et al. 2022). Additionally, it contains the largest wetland acreage among all CSU properties, ranks highest in terms of climate resiliency, and holds the second highest ranking for the number of regulatory species and other species of concern within a 1-mile buffer and ecosystem diversity.

Beyond the dominant ecosystem, other land cover types that are present include woody riparian areas, open water, cottonwood woodlands, grassland, and developed regions. There are two main hiking trails that are popular within the ELC, the Wilcox Trail (approximately 1.2 miles) and the Alden Trail (approximately 0.6 miles). The 2022 Biodiversity of the Colorado State University Lands study also notes either occupied or potential habitat for two documented regulatory species within one mile of the site and potential habitat for 89 species of concern was identified within the boundaries of the ELC (Smith et al. 2022). The regulatory species are the Bald Eagle (*Haliaeetus leucocephalus*) (known to nest at ELC) and Preble's Meadow Jumping Mouse (*Zapus hudsonius preblei*) (modeled potential habitat and old occurrence record). Adjacent to the ELC are areas of conservation importance, such as the Cache la Poudre River and Prospect Ponds, Running Deer, and Cottonwood Hollow Natural Areas (City of Fort Collins). Flora and fauna could easily migrate into the CSU-ELC from these areas, especially via the Poudre River. The ELC was considered to have a high mean landscape disturbance index score in the 2022 Biodiversity of the Colorado State University Lands survey, but was ranked second in ecosystem diversity, signifying a need for an assessment of the area's biodiversity and identification of optimal management opportunities to preserve the ecosystems within the ELC's boundaries.

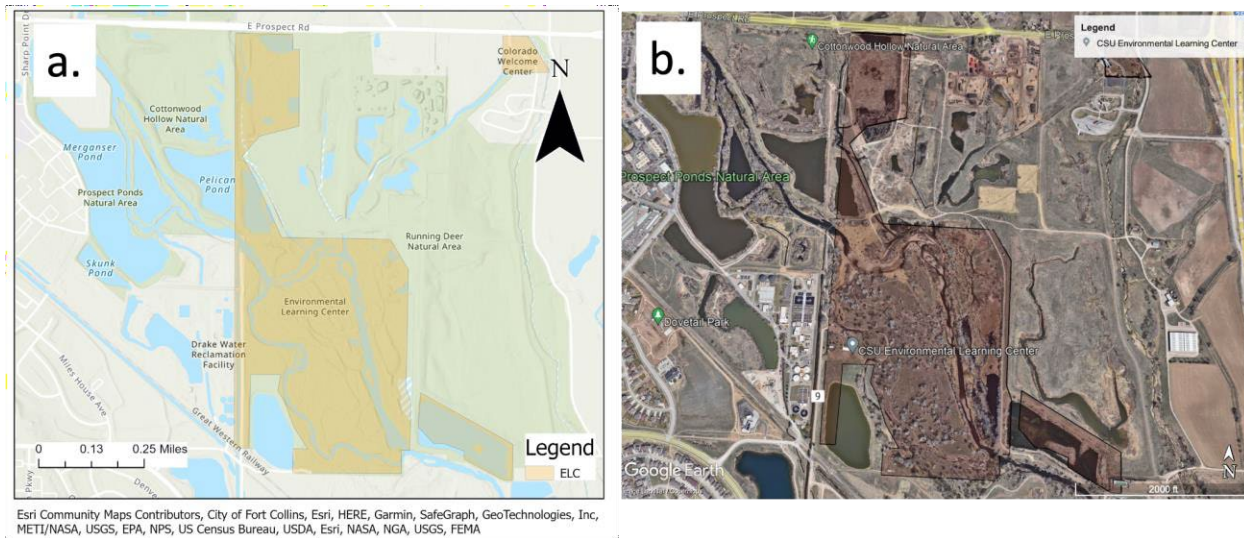


Figure 3. Environmental Learning Center Property Map (orange outline) showing a) topographic and b) aerial imagery features.

Wetlands

Vegetated wetland and riparian land covers were mapped with Satellite imagery and National Wetland Inventory data from the CNHP Colorado Wetland Inventory: (<https://csurams.maps.arcgis.com/apps/webappviewer/index.html>) at the FC and ELC (Figure 4). Habitat classification codes were translated using the Cowardin Code Classification Table (<https://www.epa.gov/wetlands/classification-and-types-wetlands#undefined>).

Wetlands at the FC were identified as palustrine emergent, forested and shrub-scrub non-wetland riparian, and palustrine shrub-scrub. Additionally, unvegetated deeper water wetlands comprise the majority of the FC's mapped water resource acreage. The vegetated wetland areas at the FC were primarily located around College Lake and in small patches around smaller wetland resources and ditches. In addition, there is a moderate amount of riparian area and lake, but the majority of the property was observed as upland. However, a potential drainage pathway along historical flow paths that could support more biodiversity was also observed. The vital role of wetlands in the ecosystem was clearly noted.

At the ELC, palustrine shrub-scrub, emergent, and forested wetland and non-wetland riparian classes were observed. It was noted that the ELC contained a high density of wetland and riparian land cover in a relatively small area. The concentration of varied wetland land cover types within a small area is valuable to biodiversity support, habitat complexity, and contributes to the ecological resilience of the region. Furthermore, aerial imagery review of the ELC identified relatively large floodplain areas in comparison with nearby floodplain patch sizes in the Fort Collins area. This not only emphasizes the site's important capacity to mitigate floods but also highlights its critical role in regulating water flow and maintaining the balance of local hydrological systems.

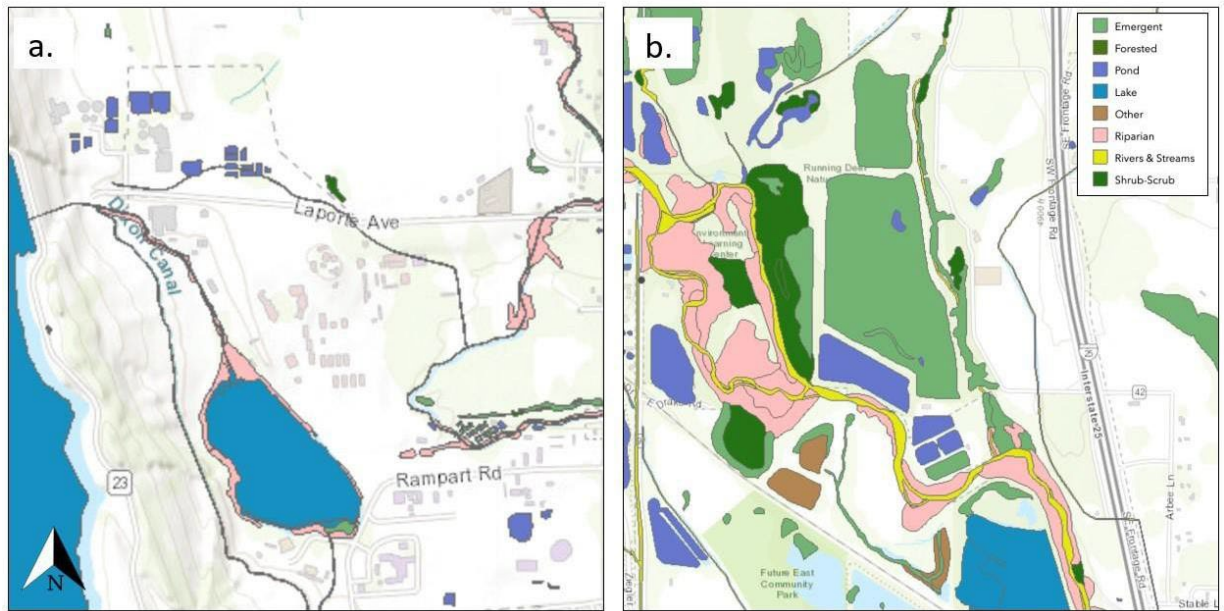


Figure 4. Visualization of Wetland and Riparian land classification for a) CSU-Foothills Campus and b) Environmental Learning Center property boundaries from the Colorado Wetland Inventory.

Methodology

Data Collection

To complete the biodiversity survey for the FC and ELC, multiple databases and scientific sources were referenced to compile existing species observations, target species lists were developed for the sites to guide field surveys, and field visits were completed to verify observations and collect additional observations.

Meetings and email communications were initiated with researchers and other professionals linked to the properties. The aim was to acquire records and insights into species biodiversity at the sites. The shared information provided included field observations, scientific literature detailing species research carried out at the properties, and species lists derived from both past and ongoing research. For ELC species data, Bernadette Kuhn, a Senior Environmental Planner from the City of Fort Collins Natural Areas, provided small mammal and amphibian data collected from a prior research project concerning water diversions from the Poudre River (10/12/23). Chris Myrick, a CSU Department of Fish, Wildlife & Conservation Biology (DFWCB) professor, provided over 20 years of fish species observation data obtained by students at the ELC and Foothills Campus (10/15/23). These acquired data were cross-referenced with existing species data and any new data were added to the list. A full list of contacts and their contributions can be found in Appendix 1, Table 1.

To compile existing observed species sightings, community science observations from the iNaturalist and eBird apps were downloaded for the area of Fort Collins. iNaturalist is a popular app where anyone can log all types of biological observations, while eBird is an app that is specifically for birding observations. Additionally, documented specimens and observations from the scientific databases SCAN (Symbiota Collections of Arthropods Network), SEINet (Southwestern Environmental Information Network), and GBIF (Global Biodiversity Information Facility) were downloaded for the area of Fort Collins. SCAN is the largest collection of

preserved and observed arthropods, SEINet encompasses museum and herbarium collection databases, and GBIF is an integrated collection of observations from multiple research, academic, and citizen science platforms. See Table 1 for a full list of data sources. Data were retrieved in October 2023.

Table 1. Data accessibility sources used to compile species information for the FC and ELC.

Source	Data Type	Website
Hannah Dresang 2018 ELC information	Multiple Taxa	https://warnercnr.colostate.edu/elc/visitor-information-activities-flora-and-fauna/
eBird– Community Science Observations	Birds	https://ebird.org/home
GBIF (Global Biodiversity Information Facility) - an integrated collection of observations from multiple research, academic, and citizen science platforms)	Multiple Taxa	https://www.gbif.org/
iNaturalist – Community Science Observations	Multiple Taxa	https://www.inaturalist.org
SEINet (Southwestern Environmental Information Network) - Museum and Herbarium Collections	Plants	https://www.swbiodiversity.org/seinet/
Symbiota Collections of Arthropods Network (SCAN)	Arthropod	https://scan-bugs.org/portal/#

Each dataset was cross-referenced with the appropriate boundary layer in ArcGIS Pro (www.esri.com) to filter observations made within each boundary. Using this software, only species found within the boundaries of the FC and the ELC were selected (Figure 5). The species lists from each database were combined, and redundant entries for the same species were consolidated to form a comprehensive master list of unique species for each research site. Synonymy and other plant species information were determined using the USDA Plants Database (<https://plants.usda.gov/home>). Exclusions were made for observations at the order or superfamily level. Additionally, some general genus level observations were excluded on a case-by-case basis at the discretion of CNHP experts. Preferences were given to observations over preserved specimen data, and in cases where multiple observations for the same species existed, the most recent one was retained. There were no restrictions imposed on observation inclusion.

Because data were gathered from many sources, various functions and formulas were used in Microsoft Excel to link species according to their scientific names (Appendix 2, Table 1). The Heritage Network Ranking System was used to determine Global (G) and State (S) level rarity ranks. Plant species native status, Coefficient of Conservatism (C) values for use with the Floristic Quality Assessment (CNHP 2023c), and CO Department of Agriculture Noxious Weed Species status were assigned when possible. Native and non-native statuses for plant species were provided by CNHP Colorado Native Plants Database: <https://coloradoplants.jeffco.us/plant>. It should be noted that some species received no corresponding data (native statuses, C-values, etc.) because they were not matched to the FQA list due to mismatches in synonymy. Federal statuses, including the Endangered Species Act protections, BLM Sensitive Species, and USFS Special Status Species, and state

statuses, including the Colorado Endangered and Threatened Species and priority species (Tier 1 & 2) from the SWAP were also denoted by species (Appendix 2, Table 2).

Data from iNaturalist, eBird, and GBIF are from public community- submitted observations. These data may contain errors from non-expert species identification. Plant taxa records were reviewed for errors, and taxa not found in the state according to [USDA Plants](#), species in a grossly wrong elevation, or species already included as a synonym, were deleted. This resulted in 10 taxa being removed from both the FC and the ELC list. Further expert review of community science records and additional field verification would improve dataset quality.

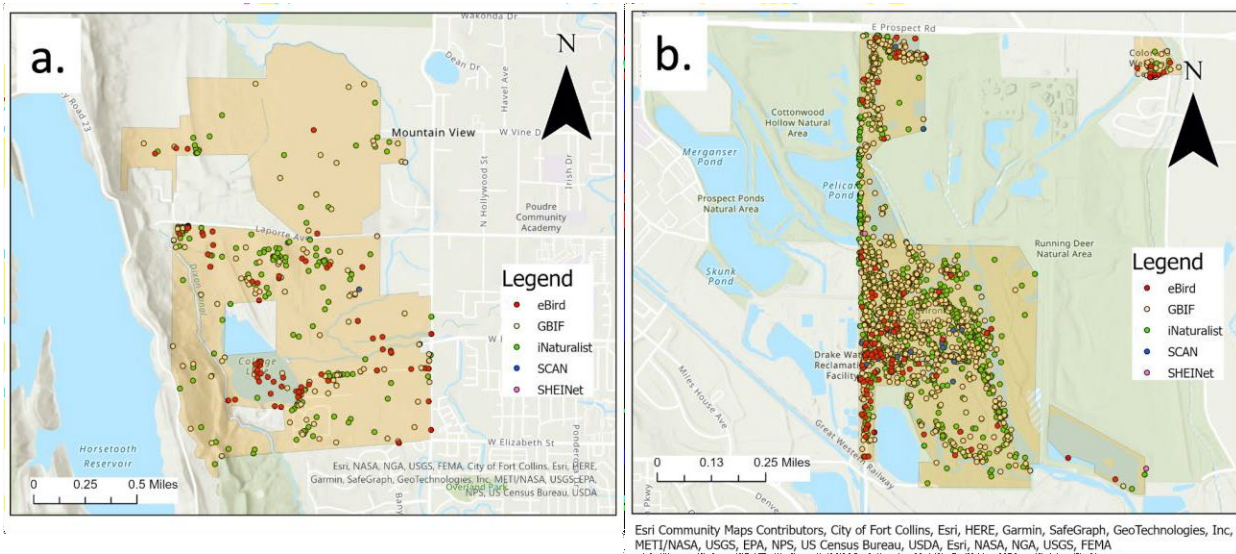


Figure 5. Visualization of cropped georeferenced data from eBird, GBIF, iNaturalist, SCAN, and SEINet within a) Foothills Campus and b) Environmental Learning Center property boundaries.

The target lists to guide field work were compiled from habitat models from the Species Activity Mapping Data provided by the Colorado Parks and Wildlife (CPW 2023) and property boundary shapefiles were employed in conjunction with the CNHP developed CODEX tool to generate lists of regulated species and plant communities with potential to be found within a one-mile radius of the sites (CNHP 2023a, Appendix 3, Table 1 and 2). Species and habitats with designated conservation priority and/or rarity subject to regulations included those federally protected under the Endangered Species Act (ESA) or Bald and Golden Eagle Protection Act (BGEPA), along with those with USFWS-designated critical habitat. Additional species of concern encompassed globally and statewide rare species and plant communities, Bureau of Land Management (BLM) Sensitive Species or United States Department of Agriculture Forest Service (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 (SWAP) (CPW 2015), as well as species of economic and recreational value. The global rarity of species and plant communities was assessed using a 1-5 scale based on CNHP and NatureServe Network ranking methodology, where 1 signifies critically imperiled and 5 denotes secure for global rarity (G-rank) and state rarity (S-rank) (Appendix 2, Table 2).

Phase II of the project involved field work conducted during several visits during the fall and spring with both ESS classes to the FC and the ELC. During these visits, maps of the properties and the lists of compiled species from the aforementioned sources were referenced. Tools like [Merlin Bird ID](#), [iNaturalist](#), and [Seek](#) apps were used by students in the field to identify unknown species. Samples of plants were gathered and pressed to

determine their species later if identification could not be made in the field. Before collecting these specimens, observations were made to ensure there was an ample presence of that species at the site before collecting. Susan Panjabi, Allison Clark, Laurie Gilligan, and John Sovell from CNHP accompanied CSU students to help instruct the group on plant and wildlife ID and habitat assessments (Figure 6). Acoustic monitoring stations and cameras were set up for a period of two weeks at both sites in fall of 2023 to monitor ungulate, bat, and rodent activity (Figure 7). The choice of monitoring location was determined based on proximity to water and animals usage, taking into consideration the need to avoid obstacles that might disrupt the acoustic monitoring and camera devices' signal detection capabilities. After each visit, records of species observations, photographs, and notes were compiled.



Figure 6. ESS 501 students conducting field surveys with CNHP staff at the CSU-Foothills Campus and Environmental Learning Center in October 2023.



Figure 7. An acoustic monitor (left) and camera trap (right) being set up at the CSU-Foothills Campus.

Overall, field work at both sites was confined to areas near trails and roads, therefore not all regions of each property were surveyed (Figure 8). Much of the FC is highly developed and was not accessible due to fencing and security measures. After the field visits, plant specimens that could not be identified in the field were taken to the CSU Herbarium and compared with reference specimens and identified using dichotomous keys.

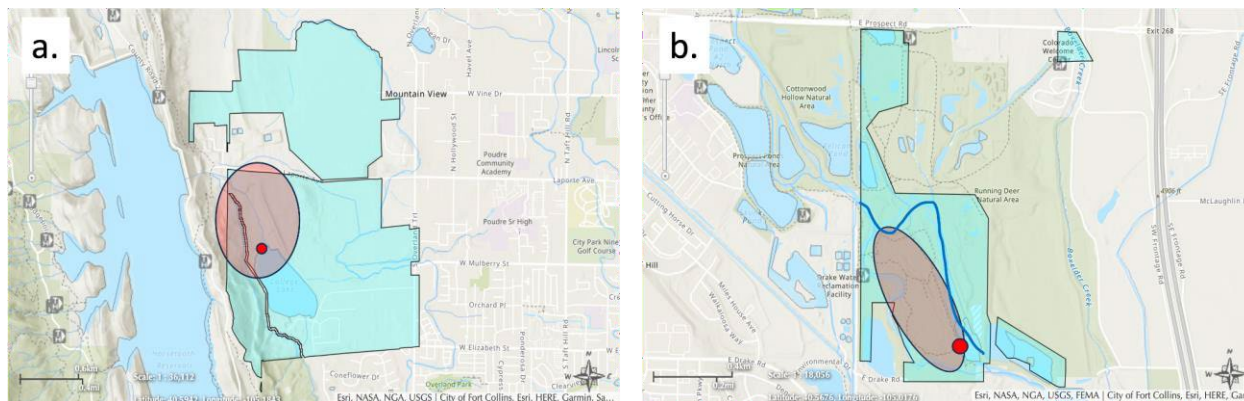


Figure 8. Surveyed portions of the a) Foothills Campus b) and Environmental Learning Center (ELC) in fall of 2023. Blue areas represent property boundaries, light red areas represent approximate areas surveyed, and dark red circles represent the approximate location of acoustic monitors and camera traps. At the ELC, the dark blue line shows the location of the Poudre River.

At the ELC we additionally conducted an Ecological Integrity Assessment (EIA). An EIA is an assessment of wetlands that uses both quantitative and qualitative observations to calculate overall results on the quality (Lemly et al. 2016). Wetlands are incredibly important to biodiversity and are seen at similar levels as rainforests and coral reefs, with support to a broad range of species making it a valuable indicator (Balwan & Kour 2021). The EIA assessment depends on three major categories. The first category is the landscape use, rating cumulative human impacts to the surrounding landscape and impacts on habitat quality and connectivity (Lemly et al. 2016). For the ELC we specifically looked at human recreation and wildlife habitat connectivity in the area. The second category deals with the condition of various parts of the ecosystems such as the hydrology, the soil, the water quality, and vegetation (Lemly et al. 2016). For this category, we took in-depth observations of all the aspects mentioned above, assessed non-native and noxious weeds in the area, assessed visible indicators of the water quality and hydrology, and briefly dug and analyzed a soil profile. Lastly, we look at the overall size of the wetland where we make an estimation of the approximate size. An EIA uses a scale between A and D when calculating the overall condition of the wetland, and each letter grade is useful for informing the management and conservation priorities of the area. An A rating is given to areas that are considered excellent and to be the natural reference condition, with minimal to no stressors and disturbances from human, wildlife, and non-native plant activity coming with suggestions of protection and conservation (Lemly et al. 2016). A D rating is given to areas that are subject to major stressors from humans, wildlife, and non-native plants leading to a significant deviation from the natural expectation with suggestions of long-term restoration projects expecting many difficulties and unpredictable outcomes (Lemly et al. 2016). While out in the field, we considered these methods based on the EIA field manual provided to us with the help of Laurie Gilligan, CNHP.

Data Analysis

The ESS 440 students ran a Floristic Quality Assessment (FQA) of each property, using the data and guidance provided on the CNHP Colorado Wetlands Information Center (CNHP 2023c). An FQA is used to measure ecological integrity based on the plant species composition within a study area (Freyman et al. 2016). Many metrics can be used to measure floristic quality, but the mean C, based C-values, is considered the most robust metric (Spyreas 2016). C-values, the Coefficient of Conservatism of a species, 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 (CNHP 2023c). C-values have been assigned to each species by a panel of expert botanists in Colorado. A 0 is automatically assigned to all non-native species. C-values of 1-3 indicate the plant species can tolerate disturbance and can often be found in non-natural areas (Appendix 2, Table 2). The average C-value of species within a study area is the mean C. The species richness is the number of species observed. Observations used in the analysis dated back to 2012 for the ELC (195 species in this time period with a C-value) and 2017 for the Foothills Campus (124 species in this time period with a C-value).

The ESS 440 students also calculated an Index of Biotic Integrity (IBI) for each property. The IBI stands as a scientific instrument used to determine the integrity and health of an ecosystem (Zhen 2019), serving as a tool to provide quantitative measurements of the biological diversity, community composition, and ecological condition of an ecosystem. By analyzing the presence, abundance, and diversity of these key indicator species at each site, an IBI score can be obtained (Read et al. 2005). This score serves as a lens to understand the ecosystem's vitality and resilience. Guided by the methodology outlined by CNHP, birds were selected as the sentinel species for both the Environmental Learning Center (ELC) and the Foothills Campus (FC). Previous species datasets for both sites were first distilled, focusing on records spanning the past two decades (2003-2023) and narrowing the scope to avian species exclusively. Guilds were curated, tailored to the diverse ecosystem types present. Using Excel, these guilds were populated with species data obtained from past records. From this synthesis emerged the frequency of guild occurrences, a guild score informed by historical IBI data, and the upper and lower bounds of potential IBI scores. These pieces allowed for the interpretation and calculation of standardized guilds and IBIs scores. These data serve as a compass, guiding comparisons against previous IBI assessments and demonstrating the ecosystems evolving health and integrity.

Species profiles were also created to add a quick, easy, and visually pleasing way to highlight important species at our sites in our [storymap](#). We highlighted three plant species and three animal species. For the plant species, we chose species that we saw during our field surveys at the ELC, including an invasive species of concern, Reed Canary Grass (*Phalaris arundinacea*), a good wetland diagnostic species, Nebraska Sedge (*Carex nebrascensis*), and a dominant species that we saw across the landscape, Narrow-leaf Cottonwood (*Populus angustifolia*). For the animal species, we chose three animals that have been observed. We chose the American Beaver (*Castor canadensis*) because of its large impact on restoring the hydrology at the ELC. Then, we chose the Bobcat (*Lynx rufus*) because our camera trap allowed us to document the first occurrence of the species at the ELC. Lastly, we chose the Horned Grebe (*Podiceps auditus*) because of its vulnerable status. Within the species descriptions, we included how to identify the species, its range, the ecology, the status, and finally the impact the species has on ecosystems. We also included pictures of the species and its habitat with many great photos being taken by our team while out in the field.

Results

Foothills Campus

The FC was visited four times in the fall of 2023, between October 12 – 27, by ESS 501 students and CNHP staff. Plant identification field work surveyed the western edge of the property, a shale hogback where presence of the rare forb Bell’s Twinpod (*Physaria bellii*) was targeted, land surrounding Colorado State Forest Service’s nursery (limited natural habitat was discovered), land near Poudre Fire Authority Training Center (largely inaccessible), the ridge near Horsetooth Reservoir off of County Rd 23 near Maxwell Natural area where the presence of the rare grass Forked Three-awn (*Aristida basiramea*) was targeted and the ridge off County Rd 23. Wildlife identification activities included the installation of acoustic monitors to identify bat activity and motion sensing cameras to capture photos of other wildlife activity, both near College Lake. Multiple visits were also made in the spring of 2024 to the FC campus with CNHP staff joined by ESS 440 students.

The camera traps captured 8 photos at the FC. Two Mule Deer were observed (Figure 9). There was a photo featuring an additional small mammal captured at night, but the team was unable to identify the species. Unfortunately, the acoustic monitor installed at the FC in the spring of 2024 experienced a malfunction and did not record any data.



Figure 9. Mule Deer (*Odocoileus hemionus*) photos from camera traps at the FC.

There was a total of 481 taxa recorded from the FC campus through human observations or preserved specimens. These were subdivided into 310 Animalia taxa, 3 Fungi taxa, and 168 Plantae taxa (Table 2, full observation lists available in Appendix 3, Table 3, 4, and 5). Most taxa observations were species specific (412 taxa) and observed within the last 20 years (382 taxa) (Table 2).

Table 2. Summary of observations from the Foothills Campus.

Observation Type	Taxa Recorded	Taxa Identified to Species	Taxa with Recent Records (2003-2024)
Animalia	310	268	227
Plantae	168	142	152
Fungi	3	2	3
Total	481	412	382

Of the 481 taxa on the FC, 20 animal species were of known conservation concern as listed in the Colorado State Wildlife Action Plan (CPW 2015), although they were secure or apparently secure across their global range (Appendix 3, Table 3). No plants or fungi were of known conservation concern (Appendix 3, Tables 3, 4, and 5). Species of conservation interest observed included Hoary Bat (*Aeorestes cinereus*), Black-tailed Prairie Dog (*Cynomys ludovicianus*), Ferruginous Hawk (*Buteo regalis*), and American White Pelican (*Pelecanus erythrorhynchos*). These species often serve as indicators of overall ecosystem health, and their struggles may signify underlying threats that could impact other wildlife. While these species may currently have populations that are deemed stable globally, factors such as habitat loss, climate change, and potential emerging threats could still pose risks to their future survival and conservation and population monitoring efforts should be maintained.

Similarly, several species classified as critically imperiled (S1), imperiled (S2), and vulnerable (S3) on a state level have only been modeled but have not been physically observed on-site (Appendix 3, Table 1). Some examples include the Northern Leopard Frog (*Lithobates pipiens*; S3), Regal Fritillary (*Argynnis idalia*; S1), Dwarf Shrew (*Sorex nanus*; S2), Preble’s Meadow Jumping Mouse (*Zapus hudsonius preblei*; S1), and Sagebrush Vole (*Lemmyscus curtatus*; S1). Species-specific monitoring should be conducted to validate the modeled habitat on the FC.

Of the 142 unique plant species observations, 140 had been assigned a Coefficient of Conservatism values (C-value) (Appendix 3, Table 4). Twelve species had a C-values of 7 or higher (indicating a high affinity to sites with little anthropogenic disturbance). Big Bluestem (*Andropogon gerardii*) with a C-value of 9, was observed in abundance by CNHP and ESS 501 students during their field observations. Preserved specimens of Diamond-Leaf Pseudosaxifrage (*Micranthes rhomboidea*), Little Indian Breadroot (*Pediomelum hypogaeum*), and Spiked Ipomopsis (*Ipomopsis spicata*) were documented with C-values of 8, 9, and 8, respectively. However, these specimens are undated or came from 1949, and additional field observations would be needed to confirm their current presence at FC.

At the Foothills Campus, 124 unique species were included by observations after 2017, and these were included in the floristic quality assessment analysis. Of these 124 species, 38 were non-native (30.6%) and 13 are listed as Colorado Noxious Weeds, with eight species on List B, four species on List C, and one species on the Watch List (refer to Appendix 2, Table 2 for the Noxious Weeds List definitions). Regular surveillance and monitoring should be exercised for oversight regarding noxious weed status. Mean C was calculated as 3.13. This value is considered low and reflects the higher number of non-native plant species, as well as the presence

of native plant species that are able to tolerate high levels of disturbance (Appendix 2, Table 2).

At the FC, the species list used to calculate the IBI contained 115 species, consisting of a total of 33 omnivores, 5 ground gleaners, 6 aerial screeners, 5 exotic species, 33 resident species, 17 temperate migrants, 9 tropical migrants, 42 single brood species, 5 nest predators, 32 ground nesters, 15 shrub nesters, 23 canopy nesters, 2 grassland dependent species, and 33 riparian dependent species. The guild score was then calculated at 39.5, which was then standardized to 0.77. The condition categories for the FC came out to be: Humanistic (0.272-0.454), Moderately Disturbed (0.455-0.636), Largely Intact (0.637-0.819), and Naturalistic (0.820-1). According to these integrity scores, the standardized score resides in the “Largely Intact” category (0.637-0.819).

Environmental Learning Center

The ELC was visited twice in the fall of 2023, between October 13 and 20. The first visit focused on plant identification along the Poudre River. On the second visit, acoustic monitors to identify bat activity and motion sensing cameras to capture photos of other wildlife activity were installed near an offshoot of the Poudre River at the end of the Wilcox trail. Overall, similar surveying procedures were conducted during the ELC property visits, but there was a greater focus on wetland plants. Multiple visits were also made in April of 2024 to the FC campus with CNHP staff joined by ESS 440 students (Figure 10).



Figure 10. ESS 501 and ESS 440 students conducting field surveys with Colorado Natural Heritage Program staff at the FC and ELC in October 2023 and April 2024.

The camera traps captured 65 photos at the ELC, making 45 observations of White-tailed Deer, 3 observations of American Beaver, 9 observations of Racoons, 1 observation of a Canada Goose, 3 observations of Wild Turkey, 3 observations of cottontail rabbit, 1 observation of a Mallard, and 1 observation of a Bobcat. The acoustic monitors detected two species of bat, the Little Brown Bat (*Myotis lucifugus*) and the Silver-haired Bat (*Lasionycteris noctivagans*). These findings offer crucial insights into the biodiversity and ecological dynamics of the area, as bats play integral roles in pest control, pollination, and maintaining the balance of ecosystems. Known for their agility and adept insect-hunting abilities, the presence of these bats suggests a healthy insect population and a well-functioning ecosystem. However, these bats have faced significant threats in recent years due to deforestation and a fungal disease called white-nose syndrome, leading to their classification as vulnerable on the global scale. Detecting these species highlights the importance of ongoing monitoring and conservation efforts to safeguard populations and their critical ecological contributions.

There were 1,074 unique taxa recorded from the various data sources at the ELC from human observations or preserved specimens (Table 3). These were subdivided into 749 Animalia taxa, 19 Fungi taxa, and 306 Plantae

taxa (full observation lists available in Appendix 3, Tables 6, 7, and 8). Many observations were species specific (810 taxa) and observed within the last 20 years (Table 3).

Table 3. Summary of observation types from the Environmental Learning Center.

Observation Type	Taxa Recorded	Taxa Identified to Species	Taxa with Recent Records (2003-2024)
Animalia	749	569	656
Plantae	306	230	275
Fungi	19	11	19
Total	1,074	810	950

Of the 1,074 taxa observed to date at the ELC, 27 animal species were of known conservation concern as listed in the Colorado State Wildlife Action Plan (CPW 2015), although they were secure or apparently secure across their global range. No plants or fungi are of known conservation concern (Appendix 3, Tables 6, 7, and 8).

Conservation targets at the ELC include the Bald Eagle (*Haliaeetus leucocephalus*) ranked as BLM and USFS sensitive, protected under the BGEPA, listed as SWAP Tier 2, and of state special concern and the Northern Harrier (*Circus hudsonius*), listed as SWAP Tier 2 and USFS sensitive, indicating moderate conservation concern, requiring attention and management to promote population stability and prevent habitat loss. Also of interest, the American White Pelican (*Pelecanus erythrorhynchos*, Figure 11) was observed during our fall 2023 field work; this species has been assigned state critically imperiled (G4,S1B) status for their breeding populations, indicative of their precarious conservation situations within Colorado. The American Bumble Bee (*Bombus pennsylvanicus*), widely known for its struggle with conservation challenges, is ranked as vulnerable (G3G4) on the global scale. This status signifies a concerning rarity worldwide, raising alarms about the potential impacts on biodiversity, pollination services, and broader ecosystem health. Habitat restoration and protection, reduction of pesticide use, and monitoring should be integral components of a conservation strategy for this vital pollinator species at the ELC.



Figure 11. American White Pelican (*Pelecanus erythrorhynchos*) flying overhead during the October 13, 2023, ELC field survey.

Of the 230 unique plant species observations, 225 had been assigned a Coefficient of Conservatism values (C-value) (Appendix 3, Table 7). Nine species had a C-values of 7 or higher (indicating a high affinity to sites with little anthropogenic disturbance), including Roadside Agrimony (*Agrimonia striata*), Desert False Indigo (*Amorpha fruticosa*), Short's Milkvetch (*Astragalus shortianus*), Foothills Milkvetch (*Astragalus tridactylus*), Brewer's Bittercress (*Cardamine breweri*), and Fendler's Spring- Parsley (*Cymopterus fendleri*), which all had a C-value of 7. Canada Anemone (*Anemonastrum canadense*) had a C-value of 8. These species were recorded from GBIF as preserved specimens from the 1800s. Therefore, additional field observations are recommended to confirm their current presence at the ELC. Only one species, the Great Blue Lobelia (*Lobelia siphilitica*) had a recent observation and a C-value of 7.

At the ELC, 195 unique species were included by observations after 2012, and only these were included in the floristic quality assessment analysis. Of these 195 species, 80 were non-native (41.0%) and 26 were listed as Colorado Noxious Weeds, one species is List A, 14 species are List B, eight were List C, and three are on the watch list (refer to Appendix 2, Table 2 for the Noxious Weeds List definitions). These species possess a heightened potential for causing environmental degradation and warrant close monitoring to prevent their spread and mitigate additional damage. Mean C was calculated as 2.36. This mean C value is considered low and reflects the higher number of non-native plant species, as well as the presence of native plant species that are able to tolerate high levels of disturbance (Appendix 2, Table 2).

At the ELC, the species list used to calculate the IBI contained a total of 208 species consisting of 63 omnivores, 22 ground gleaners, 11 aerial screeners, 4 exotic species, 51 resident species, 69 temperate migrants, 127 single brooding species, 9 nest predators, 60 ground nesters, 25 shrub nesters, 66 canopy nesters, 3 grassland dependent species, and 66 riparian dependent species. The guild score was calculated to be 38.5, and this was then standardized to 0.67. The condition of the habitat was then decided by using standardized scores of the minimum and maximum ranges of the guild scores. These were separated into: Humanistic (0.260-0.440), Moderately Disturbed (0.441-0.620), Largely Intact (0.621-0.800), and Naturalistic (0.801-1). According to the ranges of the integrity scores, the standardized score fits into the "Largely Intact" (0.621-0.800) category from the score sheet.

Through the Ecological Integrity Assessment of wetlands at the ELC, we concluded that the wetland ecosystem

is ranked at a low B to a high C, meaning that the surrounding landscape contains moderately fragmented and largely natural habitats, with vegetation structures and compositions that are somewhat outside of their natural range. To arrive at this score, we looked at several metrics within this wetland ecosystem including the overall landscape, vegetation cover of native and invasive plant species, and hydrology aspects. We first observed that around 60-90% of the study area was contiguous natural land cover, which according to the CNHP EIA Handbook, is considered a B (Lemly et al. 2016). This shows the available habitat for plant species within the wetland ecosystem. Along with this, the Land Use Index for this site was on the border of a B and C at 7.83, needing a score of 8-9.4 for a B. We also estimated that 10-30% of the total cover was that of invasive nonnative plant species, mainly consisting of invasive cattails and Reed Canary Grass, while 60-85% was the relative cover of native species. These categories were ranked as C- according to the CNHP EIA Handbook. The hydrology section also showed that the water sources around the area are mostly natural including groundwater discharge, natural surface flows, precipitation, and snowmelt. The recent beaver activity at this property is also playing an important role in the overall water quality with minimal algal growth and pollutants in the wetland.

Discussion

Wetland Ecological Importance and Condition

Wetlands are some of the most productive habitat types in the world, supporting a diverse range of plant and animal species. Wetlands also play a large role in supporting human communities by providing significant ecosystem services. For example, they help with climate control, improve water quality, sequester carbon, contribute to aquifer recharge, and mitigate storm surge and runoff impacts (CNHP 2023b). In Fort Collins, flood mitigation is one the most important services wetlands provide as the city is susceptible to occasional heavy rainfall and its features make it prone to flooding. The ELC wetlands play a crucial role in flood mitigation, absorbing excess stormwater and runoff, protecting the city's infrastructure, nearby residents, and surrounding habitats.

After performing our Ecological Integrity Assessment of the ELC, we found that this specific ecosystem is surprisingly intact for its location. We found that very few stressors were impacting the quality of the wetland ecosystem found here, ultimately showing that this ecosystem provides a healthy habitat for native wildlife and plants. The wetland restoration project completed at the ELC in the spring of 2023 has shown to be an effective way to reconnect this section of the Poudre River to its natural floodplain, significantly impacting habitat for wildlife such as white-tail deer, beaver, and countless bird species.

Wetland Management Recommendations

Some major threats to wetlands to consider in future management recommendations include climate change related stressors, land development, and hydrological development. Another large threat, more specific to the Front Range wetlands, is excavation. This typically occurs to collect gravel or water supply and essentially removes vegetation from floodplain habitats. Excavation poses a considerable loss as it involves removing crucial vegetation from floodplains and altering the functionality of wetlands. This disruption can lead to a decline in overall watershed health.

Although the wetlands at the FC were not directly visited during field work, observations were made through

mapping and satellite imagery. At the FC, there is a ditch situated in the middle of the property, observed through aerial imagery, that impacts the hydrologic connectivity across the region. There is a separate ditch along the north edge of the property. Given that these ditches overlap with historical drainage paths, there is an opportunity to consider potential wetland habitat diversity through thoughtful management strategies. In order to gain more understanding of the current condition of the property's hydrology, an in-depth field visit to survey the property's wetlands is recommended. Walking the wetland areas will provide valuable insights and facilitate informed decision-making for future management actions to enhance the health of the FC aquatic ecosystems and avoid wetland loss or degradation. College Lake and its wetland-riparian lake fringe and outflow ditches and drainages are potential areas to survey for wetland biodiversity. In addition, the north boundary of the foothills property abuts groundwater-dependent wetlands that may have hydrological connection to the property.

For the ELC, it is recommended that CSU prioritizes the preservation of floodplain areas and avoids further excavation to more ponds. Additionally, purchasing non-excavated areas adjacent to the ELC could expand conservation efforts and further contribute to strategic flood mitigation planning. This management approach would promote long-term sustainability goals and support the ecological health of the region's wetlands. Furthermore, more in-depth field work and analysis by surveying not-yet-surveyed wetlands would result in stronger management recommendations. Consideration of historical land utilization, along with excavation and revegetation patterns, could provide valuable insights for recommendations, as well.

General Ecosystem Management Recommendations

Management of ecosystems is not a static practice but rather requires an adaptive approach to ensure the viability of natural resources over time. Both the FC and ELC provide habitat for distinctly different ecosystems.

Vegetation quality at both properties was low or low to medium based on mean C values. We observed a significant amount of the cover in both study areas to be non-native species, such as smooth brome, Reed Canary Grass, and non-native cattails. In addition, our results indicate the floristic quality of the ELC since 2012 and FC since 2017 and are not indicative of the floristic quality specifically of the 2023-2024 season. We would recommend that a more detailed species list be developed for the current conditions at the properties and the mean C recalculated.

The Index of Biotic Integrity (IBI) can determine whether stressors are impacting the species composition, and how effective restoration projects are over time (Sovell 2024). Some birds are more likely to travel increased distances to avoid human disturbance, which makes our results a little surprising given their proximity to human settlement (Doherty et al. 2021). Both properties are also in close proximity to water, which is vital to a multitude of species including birds and humans. Human settlement has historically followed riparian areas, and species richness tends to decrease correspondingly (Miller et al. 2003). However, based on the scores that were calculated for both the ELC and FC, we can conclude that the condition of the ecosystems at both locations is largely intact and healthy. Given that scores greater than 0.8 indicate that the habitat is in its native condition with no disturbance, the IBI scores suggest that there is a slight amount of disturbance within the avian community, however, this disturbance doesn't greatly impact the overall integrity of the ecosystem. The scores we received for both locations suggest that minimal changes need to be made to the current management practices in each location for the avian community (Sovell 2024).

Following the dissemination of the findings in the present report, both lands would also benefit from the development of a biodiversity management plan that outlines the biodiversity goals of the land and features of

conservation value with details of best management practices. Utilizing a biodiversity management plan would further support the conservation of biodiversity findings outlined in this report, especially regarding species requiring protection and species of concern. For example, at the FC there is habitat suitable for the forb Bell's Twinpod (*Physaria bellii*) and the grass Forked Three-awn (*Aristida basiramea*), which we did not observe. Focused management can help increase their chances of establishment. Prevalence of nonnative and invasive species such as Smooth Brome (*Bromis inermis*), Cheatgrass (*Bromus tectorum*), Leafy Spurge (*Euphorbia esula*) and Mullein (*Verbascum thapsus*) indicate that both sites would benefit from ecological restoration efforts.

Portions of the FC exhibit native habitat that would benefit from conservation attention. The most significant habitat observed during the ESS and CNHP surveys is likely the ridge on the western edge of the property (additional significant habitat could be present in unsurveyed wetland areas). This location is classified as an area of very high biodiversity in CODEX, which was confirmed by CNHP staff and ESS students (CNHP 2023a). At the top of the ridge there is an area of scattered Ponderosa Pine (*Pinus ponderosa*), and lower on the ridge there is a shrubland of primarily Alderleaf Mountain Mahogany (*Cercocarpus montanus*) and Skunkbush (*Rhus trilobata*). Throughout the ridge Needle-and-thread Grass (*Hesperostipa comata*) and Big Bluestem (*Andropogon gerardii*) are interspersed between the trees and shrubs. This indicates that the FC potentially features a tracked CNHP plant community, *Cercocarpus montanus-Rhus trilobata/ Andropogon gerardii* Shrubland, but this plant community is likely too small/degraded to be significant in and of itself. Lower on the ridge between the road and the lake are large patches of Big Bluestem (*Andropogon gerardii*), Little Bluestem (*Schizachyrium scoparium*), and Sideoats Grama (*Bouteloua curtipendula*) that are potential patches of habitat suitable for rare CNHP tracked grass skipper butterfly species in the family Hesperidae, such as the Ottoo Skipper (*Hesperia ottoe*), Dusted Skipper (*Atrytonopsis hianna*), Simius Roadside Skipper (*Notamblyscirtes simius*), Arogos Skipper (*Atrytone arogos*), and Crossline Skipper (*Polites origenes*). Since the surveys were conducted outside of these butterflies flight period, additional surveys are needed to determine the presence or absence of these species. Increasing flowering forb diversity in these remnant montane native tallgrass patches could increase the quality of this habitat. The introduction of grazing in these areas should be avoided, to prevent these grasses from decreasing in abundance. High levels of mercury in the fish of College Lake could present risks to people who choose to fish from the lake. Algal blooms observed on the Lake should also be monitored.

Overall, the ELC offers potential good habitat for native birds, small mammals, and reptiles. Reed Canary Grass (*Phalaris arundinacea*) was seen in riparian areas along the Poudre River, indicating that the hydrology of the area could be optimized to better suit more plant biodiversity. Additionally, some areas along drainage ditches were severely incised and showed evidence of erosion. Restoration of the banks in these areas may be needed. Many large snags and downed trees at the ELC increase the fuel load of the area but also provide habitat for wildlife.

Additionally, while partnerships are already being fostered at both sites, continuing to build partnerships with adjacent landowners, such as the City of Fort Collins, Poudre Fire Authority, or Colorado Parks and Wildlife, and coordinating conservation actions across properties could be another avenue to enhance biodiversity in CSU's open spaces. Lastly, the FC and ELC serve as an outlet for community recreation activities (i.e., hiking, biking, bird watching, etc.), posing a risk to habitat biodiversity and restoration activities in the form of disturbance or increased non-native species. Education (such as signage) in areas of biodiversity significance or habitat restoration would enhance the success of conservation programs.

A summary of our recommendations for the management of both sites and are as follows:

- Perform a concentrated vegetation survey during peak phenology instead of during the fall or spring. This will allow for a more accurate picture of current conditions on both sites instead of relying on past data.
- Site specific biodiversity management plans outlining goals and conservation practices are recommended for both the CSU-FC and ELC.
- The prevalence of non-native and invasive species such as Smooth Brome (*Bromis inermis*), Cheatgrass (*Bromus tectorum*), Leafy Spurge (*Euphorbia esula*), Russian Olive (*Elaeagnus angustifolia*), and Mullein (*Verbascum thapsus*) indicate that both sites would benefit from weed control efforts in upland areas and on the edges of wetland areas.
- Native habitats should receive special conservation attention, particularly the ridge that overlaps with the potential conservation area of very high biodiversity significance at the FC and the beaver dam wetland at the ELC.
- There are potential patches of habitat suitable for the rare grass skipper butterfly species at the FC, and increasing flowering forb diversity in these remnant montane native tallgrass patches could increase the quality of this habitat.
- Addressing mercury levels and monitoring algae blooms on College Lake are recommended at the FC.
- Verifying the presence or absence of skipper butterflies and rare species like Bell's Twinpod (*Physaria bellii*) and the grass Forked Three-awn (*Aristida basiramea*) are recommended for summer assessments of the FC property.
- Continuing to build partnerships with adjacent landowners, such as the City of Fort Collins, the Poudre Fire Authority, and CPW are recommended to coordinate conservation actions across properties and enhance biodiversity.
- For the ELC, prioritize the preservation of floodplain areas and avoid further excavation on or around the property.
- Monitor the wetlands in the ELC to see if beaver wetlands help reduce the invasive species Reed Canary Grass (*Phalaris arundinacea*) dominance, and to better monitor and support the overall ecosystem health as the trajectory of ecosystem changes associated with beaver activity take place.
- Additionally, we recommend no new trails be built on the north side of the Poudre River at the ELC to avoid disturbing sensitive wetlands or discouraging beaver activity.

CSU's STARS Ranking

This study has clearly shown that the FC and ELC properties harbor remarkable biodiversity. The Foothills Campus, with a recorded 481 observed taxa (412 identified to species), and the Environmental Learning Center, with 1,074 observed taxa (810 identified to species), demonstrate CSU's contribution to biodiversity and environmental sustainability and conservation. These two locations are hotspots on CSU lands for the study and preservation of biodiversity, with their combined wealth of species showcasing CSU's dedication to ecological stewardship and preserving biodiversity.

Conclusion

The biodiversity survey conducted at the FC and ELC has provided valuable insights into the species richness and ecological characterization of these properties. The comprehensive species lists generated by CSU graduate students in the Ecosystem Science and Sustainability department, with guidance from program staff

from the CNHP, serve as strong baseline for future research and conservation strategies. The survey findings from both ESS classes not only provide a good resource for information regarding types of species on both properties, but also offer additional information for addressing species of concern, identifying non-native species, and informing management decisions to promote overall health of the ecosystems.

The methodology applied in the project, including data collection from academic sources and past researchers, field work, and collaboration with plant, wildlife, and wetland experts, resulted in a significant understanding of the biodiversity of these properties. In addition to the species list, the biodiversity report emphasizes the unique characteristics of the FC and ELC, highlighting their dominant land cover types, areas of potential concern, and regions with particularly high biodiversity significance. For example, the wetlands play a significant role in the region's environment because they help to mitigate flooding, contribute to climate control, and support a diverse range of plant and animal species. In addition to wetlands, the report further recognizes the need for ongoing efforts, such as developing management plans and addressing threats like climate change, land development, and invasive species. The identification of non-native and noxious species presence adds a layer of insight that can inform targeted management strategies.

In conclusion, this biodiversity report not only contributes valuable data to CSU regarding off-campus university owned land, but also serves as an aid for future conservation, restoration, and management efforts. CSU's commitment to research, collaboration, and informed land management promotes biodiversity and ecological resilience in its off-campus lands, demonstrating the university's priority in sustainability initiatives. As the threat of environmental challenges continues to heighten, the insights provided by this project can guide future initiatives aimed at conserving biodiversity and fostering ecosystem resilience.

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Appendix 1: Associated Personnel Contacts

Table 1. Contact information for associated personnel who were interviewed for additional information.

Name	Position	Email
Nicole Stafford	Director of CSU Environmental Learning Center	Nicole.Stafford@colostate.edu
Stacey Baumgarn	CSU Campus Energy Coordinator	Stacey.Baumgarn@colostate.edu
Bernadette Kuhn	Senior Environmental Planner/Restoration Project Manager	bkuhn@fcgov.com
Chris Myrick	Professor in Fish, Wildlife, and Conservation Biology at CSU	chris.myrick@colostate.edu

Appendix 2: Data Analysis Tools and References

Table 1. Microsoft Excel formulas and functions used to organize and analyze datasets.

Excel Function	Purpose
=COUNTIF()	Count the number of records if a certain value was observed
Sort by (custom) - 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
Conditional formatting > Highlight Cells Rules > Duplicate Values	Used to identify and consolidate rows with exactly the same scientific name
=VLOOKUP()	Used to match species C-values and native status using CNHP Floristic Quality Assessment Index database

Table 2. Species Status Definitions.

Ranking	Definition	Source
CNHP Potential Conservation Area (PCA) – Natural Heritage Methodology		
	Highlight areas in the state contributing to biological diversity	https://cnhp.colostate.edu/ourdata/pca-reports/
B1	Outstanding Biodiversity Significance	-
B2	General Biodiversity Significance	-
B3	High Biodiversity Significance	-
B4	Moderate Biodiversity Significance	-
B5	General Biodiversity Significance	-
Global (G) rank State (S) rank Intraspecific Taxon (T) rank – Natural Heritage Methodology		
	Relative rarity of endangerment of the species worldwide and statewide	https://cnhp.colostate.edu/ourdata/help/heritage/
G1 S1 T1	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 T2	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 T3	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 T4	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 T5	Secure - Common, widespread, and abundant. Perpetually secure under present conditions	-
SNA	Not Applicable - status not available because the species is not a suitable target for conservation activities	https://explorer.natureserve.org/AboutTheData/DataTypes/ConservationStatusCategories
SNR	Unranked - National or subnational conservation status not yet assessed	-
N modifier on S rank	“natural” (N) population	-
B modifier on S rank	“breeding” (B) population	-

Endangered Species Act (ESA)		
	Provide a framework to conserve and protect endangered and threatened species and their habitats at national level	https://ipac.ecosphere.fws.gov/status/list
C	Candidate for Listing	
LE	Federally Listed - Endangered	
LT	Federally Listed - Threatened	-
Colorado Listed		
	Provide a framework to conserve and protect endangered and threatened species and their habitats at state level	https://cpw.state.co.us/learn/pages/soc-threatenedendangeredlist.aspx
SE	State Listed - Endangered	
ST	State Listed - Threatened	-
SC	State Special Concern	-
Bureau of Land Management (BLM) Sensitive Species		
	Species requiring special management consideration to promote their conservation and reduce the likelihood and need for future listing under the ESA	https://www.blm.gov/policy/ca-ib-2020-006
US Forest Service (USFS) Special Status Species		
	Scientific assessment to inform (de)listing from the ESA	https://www.fs.usda.gov/detail/r2/landmanagement/?cid=stelprdb5390116
Bald and Golden Eagle Protection Act (BGEPA)		
	Federal protection of Bald and Golden Eagles	https://www.fws.gov/law/bald-and-golden-eagle-protection-act
Colorado State Wildlife Action Plan (SWAP)		
	Outlines species of greatest conservation need (SGCN) in Colorado	https://cpw.state.co.us/aboutus/Pages/StateWildlifeActionPlan.aspx
Tier 1	Highest conservation status in Colorado	-
Tier 2	Important in light of forestalling population trends or habitat conditions that may lead to a threatened or endangered listing status, but the urgency of such action has been judged to be less than for the Tier 1 SGCN	-
Coefficient of Conservatism (C-value)		
	Numerical value assigned by panel of expert botanists based on likelihood that species will be found in an anthropogenically disturbed site	https://cnhp.colostate.edu/cwic/condition/ecological/#Level3Assessment
0	Nonnative species	-
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		
	Historical presence in Colorado	https://cnhp.colostate.edu/cwic/condition/ecological/#Level3Assessment
Native	Species historically from Colorado	https://coloradoplants.jeffco.us/plant
Non-native	Species introduced to Colorado	-
Colorado Noxious Weeds Program		
	Identify non-native aggressive invaders that replace native vegetation, reduce agricultural productivity, cause wind and water erosion and pose an increased threat to communities from wildfire	https://ag.colorado.gov/conservation/noxious-weeds/species-id
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	-

Appendix 3: Plants, Animals, and Fungi Lists

Species Lists

Target Species Lists

Table 1. Targeted species list of CPW modeled species on the Foothills Campus (CPW 2023). Species of conservation concern are bolded.

Family	Scientific name	Common name	Taxonomic Group	Source	Conservation Ranks
Ranidae	<i>Lithobates pipiens</i>	Northern Leopard Frog	Amphibians	CNHP EO	G5 S3, SC, BLM, SWAP Tier 1, USFS
Accipitridae	<i>Aquila chrysaetos</i>	Golden Eagle	Birds	CPW modeled breeding range	G5 S3 S4B, S4N, SWAP Tier 1, BGEPA
Accipitridae	<i>Buteo jamaicensis</i>	Red-tailed Hawk	Birds	CPW Nests - Active	G5 S5B S5N
Accipitridae	<i>Buteo regalis</i>	Ferruginous Hawk	Birds	CPW modeled breeding range	G4 S3B, S4N, SWAP Tier 2
Accipitridae	<i>Buteo swainsoni</i>	Swainson's Hawk	Birds	CPW modeled breeding range	G5 S5B, SWAP Tier 2
Anatidae	<i>Branta canadensis</i>	Canada Goose	Birds	CPW Production Area, CPW Winter Concentration Area	G5 S5
Ardeidae	<i>Ardea herodias</i>	Great Blue Heron	Birds	CPW modeled foraging area	G5 S3B
Ardeidae	<i>Botaurus lentiginosus</i>	American Bittern	Birds	CPW modeled breeding range	G5 S3 S4B, SWAP Tier 2

Family	Scientific name	Common name	Taxonomic Group	Source	Conservation Ranks
Cardinalidae	<i>Passerina amoena</i>	Lazuli Bunting	Birds	CPW modeled breeding range	G5 S5B, SWAP Tier 2
Falconidae	<i>Falco mexicanus</i>	Prairie Falcon	Birds	CPW modeled breeding range	G5 S4B, S4N, SWAP Tier 2
Fringillidae	<i>Leucosticte australis</i>	Brown-capped Rosy-Finch	Birds	CPW modeled overall range	G4 S3B, S4N, SWAP Tier 1
Icteridae	<i>Dolichonyx oryzivorus</i>	Bobolink	Birds	CPW modeled breeding range	G5 S3B, SWAP Tier 2
Parulidae	<i>Leiothlypis virginiae</i>	Virginia's Warbler	Birds	CPW modeled breeding range	G5 S5
Passerellidae	<i>Ammodramus savannarum</i>	Grasshopper Sparrow	Birds	CPW modeled breeding range	G5 S3 S4B, SWAP Tier 2
Passerellidae	<i>Calamospiza melanocorys</i>	Lark Bunting	Birds	CPW modeled breeding range	G5 S4, SWAP Tier 2
Passerellidae	<i>Peucaea cassinii</i>	Cassin's Sparrow	Birds	CPW modeled breeding range	G5 S4B, SWAP Tier 2
Passerellidae	<i>Spizella breweri</i>	Brewer's Sparrow	Birds	CPW modeled breeding range	G5 S4B, SWAP Tier 2
Pelecanidae	<i>Pelecanus erythrorhynchos</i>	American White Pelican	Birds	CPW Foraging Area	G4 S1B, BLM, SWAP Tier 2
Picidae	<i>Melanerpes lewis</i>	Lewis's Woodpecker	Birds	CPW modeled breeding range	G4 S4, SWAP Tier 2
Scolopacidae	<i>Numenius americanus</i>	Long-billed Curlew	Birds	CPW modeled breeding range	G5 S2B, SWAP Tier 2

Family	Scientific name	Common name	Taxonomic Group	Source	Conservation Ranks
Strigidae	<i>Athene cunicularia</i>	Burrowing Owl	Birds	CPW modeled breeding range	G4 S4B, SWAP Tier 1
Strigidae	<i>Bubo virginianus</i>	Great Horned Owl	Birds	CPW Nests – Active	G5 S5
Strigidae	<i>Megascops asio</i>	Eastern Screech-Owl	Birds	CPW Nests – Active	G5 S4B
Trochilidae	<i>Selasphorus rufus</i>	Rufous Hummingbird	Birds	CPW modeled migration range	G4 SNA
Turdidae	<i>Catharus fuscescens</i>	Veery	Birds	CPW modeled breeding range	G5 S3B
Centrarchidae	<i>Lepomis humilis</i>	Orangespotted Sunfish	Fish	CPW HUC12 Presence	G5 S5, SWAP Tier 1
Cyprinidae	<i>Hybognathus hankinsoni</i>	Brassy Minnow	Fish	CPW HUC12 Presence	G5 S3, ST, SWAP Tier 1
Fundulidae	<i>Fundulus sciadicus</i>	Plains Topminnow	Fish	CPW HUC12 Presence	G4 S4, SWAP Tier 1
Percidae	<i>Etheostoma exile</i>	Iowa Darter	Fish	CPW HUC12 Presence	G5 S3, SC, SWAP Tier 2
Hesperiidae	<i>Atrytone arogos</i>	Arogos Skipper	Insects	CNHP EO	G2 G3 S2, SWAP Tier 2
Hesperiidae	<i>Atrytonopsis hianna</i>	Dusted Skipper	Insects	CNHP EO	G4 G5 S2

Family	Scientific name	Common name	Taxonomic Group	Source	Conservation Ranks
Hesperiidae	<i>Erynnis martialis</i>	Mottled Dusky Wing	Insects	CNHP EO	G3 S2 S3, SWAP Tier 2
Nymphalidae	<i>Argynnis idalia</i>	Regal Fritillary	Insects	CNHP EO	G3 S1, SWAP Tier 2, USFS
Cervidae	<i>Cervus canadensis</i>	Elk	Mammals	CPW Resident Population Area	G5 S5
Cervidae	<i>Odocoileus hemionus</i>	Mule Deer	Mammals	CPW Highway Crossing, CPW Resident Population Area, CPW Severe Winter Range, CPW Winter Concentration Area	G5 S4
Cervidae	<i>Odocoileus virginianus</i>	White-tailed Deer	Mammals	CPW Concentration Area	G5 S5
Cricetidae	<i>Lemmys curtatus</i>	Sagebrush Vole	Mammals	CPW modeled overall range	G5 S1, SWAP Tier 2
Felidae	<i>Puma concolor</i>	Mountain Lion	Mammals	CPW modeled overall range/human-conflict zone	G5 S4
Heteromyidae	<i>Perognathus fasciatus</i>	Olive-backed Pocket Mouse	Mammals	CPW modeled overall range	G5 S3, SWAP Tier 1
Leporidae	<i>Lepus townsendii</i>	White-tailed Jackrabbit	Mammals	CPW modeled overall range	G5 S4, SWAP Tier 2
Sciuridae	<i>Cynomys ludovicianus</i>	Black-tailed Prairie Dog	Mammals	CNHP EO, CPW modeled overall range	G4 S3, SC, BLM, SWAP Tier 2, USFS
Soricidae	<i>Sorex nanus</i>	Dwarf Shrew	Mammals	CNHP EO	G4 S2, SWAP Tier 2

Family	Scientific name	Common name	Taxonomic Group	Source	Conservation Ranks
Ursidae	<i>Ursus americanus</i>	Black Bear	Mammals	CPW modeled overall range/fall concentration/human-conflict zone	G5 S5
Vespertilionidae	<i>Corynorhinus townsendii</i>	Townsend's Big-eared Bat	Mammals	CPW modeled overall range	G4 S2, SWAP Tier 1
Vespertilionidae	<i>Eptesicus fuscus</i>	Big Brown Bat	Mammals	CPW modeled overall range	G5 S5
Vespertilionidae	<i>Lasionycteris noctivagans</i>	Silver-haired Bat	Mammals	CPW modeled overall range	G3 S3 S4
Vespertilionidae	<i>Lasiurus borealis</i>	Red Bat	Mammals	CPW modeled overall range	G3 S2 S3B
Vespertilionidae	<i>Lasiurus cinereus</i>	Hoary Bat	Mammals	CPW modeled overall range	G3 S3 S4B, SWAP Tier 2
Vespertilionidae	<i>Myotis ciliolabrum</i>	Western Small-Footed Bat	Mammals	CPW modeled overall range	G5 S4
Vespertilionidae	<i>Myotis evotis</i>	Long-eared Myotis	Mammals	CPW modeled overall range	G5 S4
Vespertilionidae	<i>Myotis lucifugus</i>	Little Brown Myotis	Mammals	CPW modeled overall range	G3 S4
Vespertilionidae	<i>Myotis thysanodes</i>	Fringed Myotis	Mammals	CPW modeled overall range	G4 S3
Vespertilionidae	<i>Myotis volans</i>	Long-legged Myotis	Mammals	CPW modeled overall range	G4 S5
Vespertilionidae	<i>Perimyotis subflavus</i>	Tri-colored Bat	Mammals	CPW modeled overall range	G3 S2

Family	Scientific name	Common name	Taxonomic Group	Source	Conservation Ranks
Zapodidae	<i>Zapus hudsonius preblei</i>	Preble's Meadow Jumping Mouse	Mammals	CPW modeled overall range	G5 T2 S1
Apocynaceae	<i>Asclepias stenophylla</i>	Narrow-leaved Milkweed	Plants	CNHP EO	G4 G5 S2
Boraginaceae	<i>Phacelia denticulata</i>	Rocky Mountain Phacelia	Plants	CNHP EO	G3 S3
Brassicaceae	<i>Physaria bellii</i>	Bell's Twinpod	Plants	CNHP EO	G2 G3 S2 S3, SWAP Tier 2
Campanulaceae	<i>Triodanis leptocarpa</i>	Slim-pod Venus' Looking-glass	Plants	CNHP EO	G5 S1
Poaceae	<i>Aristida basiramea</i>	Forktip Threeawn	Plants	CNHP EO	G5 S2

Table 2. Targeted species list of CPW modeled species on the Environmental Learning Center property (CPW 2023). Species of conservation concern are bolded.

Family	Scientific name	Common name	Taxonomic Group	Source	Conservation Ranks
Ranidae	<i>Lithobates pipiens</i>	Northern Leopard Frog	Amphibians	CNHP EO	G5 S3, SC, BLM, SWAP Tier 1, USFS
Accipitridae	<i>Aquila chrysaetos</i>	Golden Eagle	Birds	CPW CPW modeled breeding range	G5 S3 S4B S4N, SWAP Tier 1, BGEPA
Accipitridae	<i>Bubo virginianus</i>	Great Horned Owl	Birds	CPW Nests - Active	G5 S5
Accipitridae	<i>Buteo jamaicensis</i>	Red-tailed Hawk	Birds	CPW Nests - Active	G5 S5B S5N
Accipitridae	<i>Buteo regalis</i>	Ferruginous Hawk	Birds	CPW modeled breeding range	G4 S3B S4N, SWAP Tier 2
Accipitridae	<i>Buteo swainsoni</i>	Swainson's Hawk	Birds	CPW modeled breeding range	G5 S5B, SWAP Tier 2
Accipitridae	<i>Circus hudsonius</i>	Northern Harrier	Birds	CPW modeled breeding range, CPW Nests - Active	G5 S3B, SWAP Tier 2, USFS, SWAP Tier 2

Family	Scientific name	Common name	Taxonomic Group	Source	Conservation Ranks
Accipitridae	<i>Haliaeetus leucocephalus</i>	Bald Eagle	Birds	CPW Winter Concentration Area, CPW Nests - Active	G5 S3B S3N, SC, SWAP Tier 2, USFS, BLM, BGEPA
Anatidae	<i>Branta canadensis</i>	Canada Goose	Birds	CPW modeled winter range	G5 S5
Ardeidae	<i>Ardea herodias</i>	Great Blue Heron	Birds	CPW CPW modeled foraging and CPW Nests - Active	G5 S3B
Charadriidae	<i>Charadrius montanus</i>	Mountain Plover	Birds	CPW modeled breeding range	G3 S2B, SWAP Tier 1
Falconidae	<i>Falco mexicanus</i>	Prairie Falcon	Birds	CPW modeled breeding range	G5 S4B S4N, SWAP Tier 2
Fringillidae	<i>Leucosticte australis</i>	Brown-capped Rosy-Finch	Birds	CPW modeled overall range	G4 S3B S4N, SWAP Tier 1
Icteridae	<i>Dolichonyx oryzivorus</i>	Bobolink	Birds	CPW modeled breeding range	G5 S3B, SWAP Tier 2
Pandionidae	<i>Pandion haliaetus</i>	Osprey	Birds	CPW Nests - Active	G5 S3B
Parulidae	<i>Leiothlypis virginiae</i>	Virginia's Warbler	Birds	CPW modeled breeding range	G5 S5
Passerellidae	<i>Ardea herodias</i>	Grasshopper Sparrow	Birds	CPW CPW modeled breeding range	G5 S3 S4B, SWAP Tier 2
Passerellidae	<i>Calamospiza melanocorys</i>	Lark Bunting	Birds	CPW modeled breeding range	G5 S4, SWAP Tier 2
Passerellidae	<i>Peucaea cassinii</i>	Cassin's Sparrow	Birds	CPW modeled breeding range	G5 S4B, SWAP Tier 2

Family	Scientific name	Common name	Taxonomic Group	Source	Conservation Ranks
Passerellidae	<i>Spizella breweri</i>	Brewer's Sparrow	Birds	CPW modeled breeding range	G5 S4B, SWAP Tier2
Pelecanidae	<i>Pelecanus erythrorhynchos</i>	American White Pelican	Birds	CPW Foraging Area, CPW Nesting Area	G4 S1B, BLM, SWAP Tier 2
Picidae	<i>Melanerpes lewis</i>	Lewis's Woodpecker	Birds	CPW modeled breeding range	G4 S4, SWAP Tier 2
Scolopacidae	<i>Numenius americanus</i>	Long-billed Curlew	Birds	CPW modeled breeding range	G5 S2B, SWAP Tier 2
Strigidae	<i>Athene cunicularia</i>	Burrowing Owl	Birds	CPW modeled breeding range	G4 S4B, SWAP Tier 1
Trochilidae	<i>Selasphorus rufus</i>	Rufous Hummingbird	Birds	CPW modeled migration range	G4 SNA
Turdidae	<i>Catharus fuscescens</i>	Veery	Birds	CPW modeled breeding range	G5 S3B
Centrarchidae	<i>Lepomis humilis</i>	Orangespotted Sunfish	Fish	CPW HUC12 Presence	G5 S5, SWAP Tier 1
Cyprinidae	<i>Hybognathus hankinsoni</i>	Brassy Minnow	Fish	CPW HUC12 Presence	G5 S3, ST, SWAP Tier 1
Fundulidae	<i>Fundulus sciadicus</i>	Plains Topminnow	Fish	CPW HUC12 Presence	G4 S4, SWAP Tier 1
Percidae	<i>Etheostoma exile</i>	Iowa Darter	Fish	CPW HUC12 Presence	G5 S3, SC, SWAP Tier 2
Cervidae	<i>Odocoileus virginianus</i>	White-tailed Deer	Mammals	CPW Concentration Area	G5 S5

Family	Scientific name	Common name	Taxonomic Group	Source	Conservation Ranks
Cricetidae	<i>Lemmys curtatus</i>	Sagebrush Vole	Mammals	CPW modeled overall range	G5 S1, SWAP Tier 2
Felidae	<i>Puma concolor</i>	Mountain Lion	Mammals	CPW modeled overall range/human-conflict zone	G5 S4
Heteromyidae	<i>Perognathus fasciatus</i>	Olive-backed Pocket Mouse	Mammals	CPW modeled overall range	G5 S3, SWAP Tier 1
Leporidae	<i>Lepus townsendii</i>	White-tailed Jackrabbit	Mammals	CPW modeled overall range	G5 S4, SWAP Tier 2
Libellulidae	<i>Plathemis subornata</i>	Desert Whitetail	Mammals	CNHP EO	G4 S3
Mustelidae	<i>Lontra canadensis</i>	River Otter	Mammals	CPW modeled overall range	G5 S3 S4, SWAP Tier 2
Sciuridae	<i>Cynomys ludovicianus</i>	Black-tailed Prairie Dog	Mammals	CPW modeled overall range	G4 S3, SWAP Tier 2
Ursidae	<i>Ursus americanus</i>	Black Bear	Mammals	CPW modeled overall range/human-conflict zone	G5 S5
Vespertilionidae	<i>Eptesicus fuscus</i>	Big Brown Bat	Mammals	CPW modeled overall range	G5 S5
Vespertilionidae	<i>Lasiurus noctivagus</i>	Silver-haired Bat	Mammals	CPW modeled overall range	G3 S3 S4
Vespertilionidae	<i>Lasiurus borealis</i>	Red Bat	Mammals	CPW modeled overall range	G3 S2 S3B
Vespertilionidae	<i>Lasiurus cinereus</i>	Hoary Bat	Mammals	CPW modeled overall range	G3 S3 S4B ,SWAP Tier 2

Family	Scientific name	Common name	Taxonomic Group	Source	Conservation Ranks
Vespertilionidae	<i>Myotis ciliolabrum</i>	Western Small-footed Myotis	Mammals	CPW modeled overall range	G5 S4
Vespertilionidae	<i>Myotis evotis</i>	Long-eared Myotis	Mammals	CPW modeled overall range	G5 S4
Vespertilionidae	<i>Myotis lucifugus</i>	Little Brown Myotis	Mammals	CPW modeled overall range	G3 S4
Vespertilionidae	<i>Myotis thysanodes</i>	Fringed Myotis	Mammals	CPW modeled overall range	G4 S3
Vespertilionidae	<i>Myotis volans</i>	Long-legged Myotis	Mammals	CPW modeled overall range	G4 S5
Vespertilionidae	<i>Perimyotis subflavus</i>	Tri-colored Bat	Mammals	CPW modeled overall range	G3 S2
Zapodidae	<i>Zapus hudsonius preblei</i>	Preble's Meadow Jumping Mouse	Mammals	CNHP EO, CPW modeled overall range	G5T2 S1, LT, ST, SWAP Tier 1
Cyperaceae	<i>Carex lasiocarpa</i>	Slender Sedge	Plants	CNHP EO	G5 S2
Onagraceae	<i>Oenothera coloradensis</i> (<i>Gaura neomexicana</i> ssp. <i>coloradensis</i>)	Colorado Butterfly Plant	Plants	CNHP EO	G3T2 S1, SWAP Tier 1
Colubridae	<i>Coluber constrictor</i>	North American Racer	Reptiles	CPW modeled overall range	G5 S5
Colubridae	<i>Heterodon nasicus</i>	Plains Hog-nosed Snake	Reptiles	CPW modeled overall range	G5 S4

Family	Scientific name	Common name	Taxonomic Group	Source	Conservation Ranks
Colubridae	<i>Lampropeltis triangulum</i>	Milksnake	Reptiles	CPW modeled overall range	G5, S2? SWAP Tier 2
Colubridae	<i>Thamnophis elegans</i>	Terrestrial Gartersnake	Reptiles	CPW modeled overall range	G5 S5
Colubridae	<i>Thamnophis radix</i>	Plains Gartersnake	Reptiles	CPW modeled overall range	G5 S5
Colubridae	<i>Thamnophis sirtalis</i>	Common Garter Snake	Reptiles	CPW modeled overall range	G5 S3, SWAP Tier 2
Emydidae	<i>Terrapene ornata</i>	Ornate Box Turtle	Reptiles	CPW modeled overall range	G5 S5
Phrynosomatidae	<i>Holbrookia maculata</i>	Common Lesser Earless Lizard	Reptiles	CPW modeled overall range	G5 S5
Phrynosomatidae	<i>Phrynosoma hernandesi</i>	Hernandez's Short-horned Lizard	Reptiles	CPW modeled overall range	G5 S5
Phrynosomatidae	<i>Sceloporus tristichus</i>	Plateau Fence Lizard	Reptiles	CPW modeled overall range	G5 S3
Phrynosomatidae	<i>Sceloporus undulatus</i>	Prairie Lizard	Reptiles	CPW modeled overall range	G5
Scincidae	<i>Plestiodon multivirgatus</i>	Variable Skink	Reptiles	CPW modeled overall range	G5T5 S3
Teiidae	<i>Aspidoscelis sexlineatus</i>	Six-lined Racerunner	Reptiles	CPW modeled overall range	G5 S5
Viperidae	<i>Crotalus atrox</i>	Western Rattlesnake	Reptiles	CPW modeled overall range	G5

Family	Scientific name	Common name	Taxonomic Group	Source	Conservation Ranks
Viperidae	<i>Crotalus viridis</i>	Prairie Rattlesnake	Reptiles	CPW modeled overall range	G5 S5

Foothills Campus Observed Taxa

Table 3. Complete species list of animals found on the FC, including documented human observations and preserved specimens. Species of concern are bolded. See Appendix 2, Table 2 for status definitions.

Family	Scientific Name	Common Name	Taxonomic Group	Observed/Preserved	Observation Date	Source	Status
Bufonidae	<i>Anaxyrus woodhousii</i>	Woodhouse's Toad	Amphibians	Human observation	2023-08-23	iNaturalist	
Ranidae	<i>Lithobates blairi</i>	Plains Leopard Frog	Amphibians	Human observation	2022-05-29	iNaturalist	G5, S3, SWAP Tier 2
Araneidae	<i>Araneus gemmoides</i>	Cat-Faced Orbweaver	Arachnids	Human observation	2023-10-12	501 group	
Salticidae	<i>Habronattus altanus</i>	Jumping Spider	Arachnids	Preserved specimen	1988-08-06	GBIF	
Lycosidae	<i>Hogna sp.</i>	Burrow-Living Wolf Spiders	Arachnids	Human observation	2016-09-11	iNaturalist	
Lycosidae	<i>Lycosoidea sp.</i>	Wolf Spiders And Allies	Arachnids	Human observation	2020-09-02	iNaturalist	
Lycosidae	<i>Pardosa groenlandica</i>	Wolf Spider	Arachnids	Preserved specimen	2000-05-24	GBIF	
Lycosidae	<i>Pardosa sternalis</i>	Thin-Legged Wolf Spider	Arachnids	Preserved specimen	2000-05-24	GBIF	
Lycosidae	<i>Pardosa steva</i>	Toadstool Thin-Legged Wolf Spider	Arachnids	Preserved specimen	2000-05-24	GBIF	
Philodromidae	<i>Philodromus rufus</i>	White-Striped Running Crab Spider	Arachnids	Preserved specimen	2000-05-29	GBIF	
Araneidae		Typical Orbweavers	Arachnids	Human observation	2023-09-20	iNaturalist	
Cambaridae	<i>Faxonius virilis</i>	Virile Crayfish	Arthropods	Human observation	2021-09-25	iNaturalist	
Accipitridae	<i>Accipiter cooperii</i>	Cooper's Hawk	Birds	Human observation	2019-03-30	eBird	
Accipitridae	<i>Accipiter gentilis</i>	Northern Goshawk	Birds	Human observation	1996-01-28	eBird	G5, S3B, SWAP Tier 2
Accipitridae	<i>Accipiter striatus</i>	Sharp-shinned Hawk	Birds	Human observation	2015-09-08	eBird	
Accipitridae	<i>Accipiter striatus/cooperii</i>	Sharp-shinned/Cooper's Hawk	Birds	Human observation	2020-05-15	eBird	
Scolopacidae	<i>Actitis macularius</i>	Spotted Sandpiper	Birds	Human observation	2016-05-14	eBird	
Podicipedidae	<i>Aechmophorus occidentalis</i>	Western Grebe	Birds	Human observation	2019-10-30	eBird	
Podicipedidae	<i>Aechmophorus occidentalis/clarkii</i>	Western/Clark's Grebe	Birds	Human observation	2014-11-09	eBird	
Strigidae	<i>Aegolius acadicus</i>	Northern Saw-whet Owl	Birds	Human observation	2023-02-26	iNaturalist	
Icteridae	<i>Agelaius phoeniceus</i>	Red-winged Blackbird	Birds	Human observation	2023-05-23	eBird	
Anatidae	<i>Aix sponsa</i>	Wood Duck	Birds	Human observation	2019-08-27	eBird	
Passerellidae	<i>Ammodramus savannarum</i>	Grasshopper Sparrow	Birds	Human observation	1995-07-23	eBird	G5, S3S4B, SWAP Tier 2
Anatidae	<i>Anas acuta</i>	Northern Pintail	Birds	Human observation	2003-12-01	eBird	
Anatidae	<i>Anas crecca</i>	Green-winged Teal	Birds	Human observation	2021-12-18	eBird	
Anatidae	<i>Anas platyrhynchos</i>	Mallard	Birds	Human observation	2023-05-23	eBird	

Family	Scientific Name	Common Name	Taxonomic Group	Observed/Preserved	Observation Date	Source	Status
Anatidae	<i>Anatidae</i> (duck sp.)	Duck sp.	Birds	Human observation	2018-11-15	eBird	
Anatidae	<i>Anatidae</i> (goose sp.)	Goose sp.	Birds	Human observation	2011-11-21	eBird	
Anatidae	<i>Anatidae</i> sp. (dabbling duck sp.)	Dabbling Duck sp.	Birds	Human observation	2019-08-27	eBird	
Anatidae	<i>Anser albifrons</i>	Greater White-fronted Goose	Birds	Human observation	1968-12-28	eBird	
Anatidae	<i>Anser caerulescens</i>	Snow Goose	Birds	Human observation	2021-11-26	iNaturalist	
Anatidae	<i>Anser rossii</i>	Ross's Goose	Birds	Human observation	1984-06-08	eBird	
Gruidae	<i>Antigone canadensis</i>	Sandhill Crane	Birds	Human observation	2020-03-17	eBird	G4T4, S2B S4N, SC, SWAP Tier 1
Corvidae	<i>Aphelocoma woodhouseii</i>	Woodhouse's Scrub-Jay	Birds	Human observation	2021-09-21	eBird	
Accipitridae	<i>Aquila chrysaetos</i>	Golden Eagle	Birds	Human observation	2022-12-17	eBird	G5, S3S4B S4N, SWAP Tier 1, BGEPA
Trochilidae	<i>Archilochus alexandri</i>	Black-chinned Hummingbird	Birds	Human observation	2015-09-01	eBird	
Ardeidae	<i>Ardea alba</i>	Great Egret	Birds	Human observation	2012-10-01	eBird	
Ardeidae	<i>Ardea herodias</i>	Great Blue Heron	Birds	Human observation	2020-05-26	iNaturalist	
Anatidae	<i>Aythya affinis</i>	Lesser Scaup	Birds	Human observation	2019-11-12	eBird	
Anatidae	<i>Aythya americana</i>	Redhead	Birds	Human observation	2020-12-16	eBird	
Anatidae	<i>Aythya collaris</i>	Ring-necked Duck	Birds	Human observation	2019-11-12	eBird	
Anatidae	<i>Aythya marila</i>	Greater Scaup	Birds	Human observation	2019-10-30	eBird	
Anatidae	<i>Aythya marila/affinis</i>	Greater/Lesser Scaup	Birds	Human observation	2019-03-25	eBird	
Anatidae	<i>Aythya</i> sp.	<i>Aythya</i> sp.	Birds	Human observation	2017-12-05	eBird	
Anatidae	<i>Aythya valisineria</i>	Canvasback	Birds	Human observation	2016-02-15	eBird	
Bombycillidae	<i>Bombycilla cedrorum</i>	Cedar Waxwing	Birds	Human observation	2023-06-02	eBird	
Bombycillidae	<i>Bombycilla garrulus</i>	Bohemian Waxwing	Birds	Human observation	1997-01-10	eBird	
Anatidae	<i>Branta bernicla</i>	Brant	Birds	Human observation	2005-11-16	eBird	
Anatidae	<i>Branta canadensis</i>	Canada Goose	Birds	Human observation	2023-10-12	501 group	
Anatidae	<i>Branta hutchinsii</i>	Cackling Goose	Birds	Human observation	2021-12-18	eBird	
Anatidae	<i>Branta hutchinsii/canadensis</i>	Cackling/Canada Goose	Birds	Human observation	2019-02-07	eBird	
Strigidae	<i>Bubo virginianus</i>	Great Horned Owl	Birds	Human observation	2023-05-19	eBird	
Anatidae	<i>Bucephala albeola</i>	Bufflehead	Birds	Human observation	2019-10-30	eBird	
Anatidae	<i>Bucephala clangula</i>	Common Goldeneye	Birds	Human observation	2021-12-18	eBird	
Accipitridae	<i>Buteo jamaicensis</i>	Red-tailed Hawk	Birds	Human observation	2023-04-05	eBird	
Accipitridae	<i>Buteo lagopus</i>	Rough-legged Hawk	Birds	Human observation	1995-12-16	eBird	
Accipitridae	<i>Buteo platypterus</i>	Broad-winged Hawk	Birds	Human observation	2017-05-06	eBird	

Family	Scientific Name	Common Name	Taxonomic Group	Observed/Preserved	Observation Date	Source	Status
Accipitridae	<i>Buteo regalis</i>	Ferruginous Hawk	Birds	Human observation	1998-01-24	eBird	G4, S3B S4N, SC, SWAP Tier 2
Accipitridae	<i>Buteo sp.</i>	Buteo sp.	Birds	Human observation	1993-02-07	eBird	
Scolopacidae	<i>Calidris minutilla</i>	Least Sandpiper	Birds	Human observation	1995-05-04	eBird	
Parulidae	<i>Cardellina pusilla</i>	Wilson's Warbler	Birds	Human observation	2015-09-19	eBird	
Cathartidae	<i>Cathartes aura</i>	Turkey Vulture	Birds	Human observation	2022-05-08	eBird	
Turdidae	<i>Catharus sp.</i>	Catharus sp.	Birds	Human observation	2000-05-20	eBird	
Turdidae	<i>Catharus ustulatus</i>	Swainson's Thrush	Birds	Human observation	2017-05-20	eBird	
Turdidae	<i>Catherpes mexicanus</i>	Canyon Wren	Birds	Human observation	2020-05-23	eBird	
Certhiidae	<i>Certhia americana</i>	Brown Creeper	Birds	Human observation	2020-12-19	eBird	
Charadriidae	<i>Charadrius vociferus</i>	Killdeer	Birds	Human observation	2023-05-23	eBird	
Passerellidae	<i>Chondestes grammacus</i>	Lark Sparrow	Birds	Human observation	2023-10-19	501 group	
Caprimulgidae	<i>Chordeiles minor</i>	Common Nighthawk	Birds	Human observation	2017-06-06	eBird	
Accipitridae	<i>Circus hudsonius</i>	Northern Harrier	Birds	Human observation	2023-10-27	501 group	G5, S3B, SWAP Tier 2, USFS
Anatidae	<i>Clangula hyemalis</i>	Long-tailed Duck	Birds	Human observation	1994-03-01	eBird	
Fringillidae	<i>Coccothraustes vespertinus</i>	Evening Grosbeak	Birds	Human observation	2015-11-09	eBird	
Picidae	<i>Colaptes auratus</i>	Northern Flicker	Birds	Human observation	2023-10-19	501 group	
Columbidae	<i>Columba livia</i>	Rock Pigeon	Birds	Human observation	2022-12-17	eBird	
Tyrannidae	<i>Contopus sordidulus</i>	Western Wood-Pewee	Birds	Human observation	2017-05-20	eBird	
Regulidae	<i>Corthylio calendula</i>	Ruby-crowned Kinglet	Birds	Human observation	2020-05-27	eBird	
Corvidae	<i>Corvus brachyrhynchos</i>	American Crow	Birds	Human observation	2022-12-17	eBird	
Corvidae	<i>Corvus corax</i>	Common Raven	Birds	Human observation	2023-10-12	501 group	
Corvidae	<i>Corvus sp. (raven sp.)</i>	Raven sp.	Birds	Human observation	2015-02-09	eBird	
Corvidae	<i>Cyanocitta cristata</i>	Blue Jay	Birds	Human observation	2023-10-21	501 group	
Corvidae	<i>Cyanocitta stelleri</i>	Steller's Jay	Birds	Human observation	2015-09-29	eBird	
Anatidae	<i>Cygnus buccinator</i>	Trumpeter Swan	Birds	Human observation	2013-11-23	eBird	
Anatidae	<i>Cygnus columbianus</i>	Tundra Swan	Birds	Human observation	2005-11-16	iNaturalist	
Picidae	<i>Dryobates pubescens</i>	Downy Woodpecker	Birds	Human observation	2022-12-17	eBird	
Picidae	<i>Dryobates villosus</i>	Hairy Woodpecker	Birds	Human observation	2022-12-17	eBird	
Mimidae	<i>Dumetella carolinensis</i>	Gray Catbird	Birds	Human observation	2023-05-23	eBird	
Tyrannidae	<i>Empidonax oberholseri</i>	Dusky Flycatcher	Birds	Human observation	2017-05-20	eBird	
Tyrannidae	<i>Empidonax occidentalis</i>	Cordilleran Flycatcher	Birds	Human observation	2017-05-20	eBird	

Family	Scientific Name	Common Name	Taxonomic Group	Observed/Preserved	Observation Date	Source	Status
Tyrannidae	<i>Empidonax sp.</i>	Empidonax sp.	Birds	Human observation	2017-05-20	eBird	
Tyrannidae	<i>Empidonax traillii</i>	Willow Flycatcher	Birds	Human observation	2015-09-07	eBird	
Alaudidae	<i>Eremophila alpestris</i>	Horned Lark	Birds	Human observation	2017-04-20	eBird	
Icteridae	<i>Euphagus cyanocephalus</i>	Brewer's Blackbird	Birds	Human observation	2018-07-09	eBird	
Falconidae	<i>Falco columbarius</i>	Merlin	Birds	Human observation	2013-11-20	eBird	
Falconidae	<i>Falco mexicanus</i>	Prairie Falcon	Birds	Human observation	2017-11-07	eBird	G5, S4B S4N, SWAP Tier 2
Falconidae	<i>Falco sp. (large falcon sp.)</i>	Large Falcon sp.	Birds	Human observation	2018-04-02	eBird	
Falconidae	<i>Falco sp. (small falcon sp.)</i>	Small Falcon sp.	Birds	Human observation	1962-07-10	eBird	
Falconidae	<i>Falco sparverius</i>	American Kestrel	Birds	Human observation	2023-05-23	eBird	
Rallidae	<i>Fulica americana</i>	American Coot	Birds	Human observation	2021-11-23	eBird	
Scolopacidae	<i>Gallinago delicata</i>	Wilson's Snipe	Birds	Human observation	1995-04-09	eBird	
Gaviidae	<i>Gavia pacifica</i>	Pacific Loon	Birds	Human observation	2010-11-25	eBird	
Parulidae	<i>Geothlypis tolmiei</i>	Macgillivray's Warbler	Birds	Human observation	2015-09-08	eBird	
Parulidae	<i>Geothlypis tolmiei/philadelphia</i>	Macgillivray's/Mourning Warbler	Birds	Human observation	2015-09-08	eBird	
Parulidae	<i>Geothlypis trichas</i>	Common Yellowthroat	Birds	Human observation	2023-05-23	eBird	
Fringillidae	<i>Haemorhous cassinii</i>	Cassin's Finch	Birds	Human observation	2022-12-17	eBird	G5, S5, SWAP Tier 2
Fringillidae	<i>Haemorhous mexicanus</i>	House Finch	Birds	Human observation	2023-05-23	eBird	
Accipitridae	<i>Haliaeetus leucocephalus</i>	Bald Eagle	Birds	Human observation	2021-12-18	eBird	G5, S1B S3N, SC, SWAP Tier 2, BLM, USFS, BGEPA
Hirundinidae	<i>Hirundo rustica</i>	Barn Swallow	Birds	Human observation	2023-05-23	eBird	
Parulidae	<i>Icteria virens</i>	Yellow-breasted Chat	Birds	Human observation	2020-05-23	eBird	
Icteridae	<i>Icterus bullockii</i>	Bullock's Oriole	Birds	Human observation	2020-05-15	eBird	
Turdidae	<i>Ixoreus naevius</i>	Varied Thrush	Birds	Human observation	1998-01-09	eBird	
Passerellidae	<i>Junco hyemalis</i>	Dark-eyed Junco	Birds	Human observation	2022-12-17	eBird	
Laniidae	<i>Lanius borealis</i>	Northern Shrike	Birds	Human observation	2021-12-18	eBird	
Laniidae	<i>Lanius ludovicianus</i>	Loggerhead Shrike	Birds	Human observation	1995-05-06	eBird	G4, S3S4B, SWAP Tier 2
Laniidae	<i>Lanius sp.</i>	Shrike sp.	Birds	Human observation	1978-03-11	eBird	
Laridae	<i>Larinae sp.</i>	Gull sp.	Birds	Human observation	2023-10-12	501 group	
Laridae	<i>Larus argentatus</i>	Herring Gull	Birds	Human observation	2020-12-16	eBird	
Laridae	<i>Larus brachyrhynchus</i>	Short-billed Gull	Birds	Human observation	2018-01-25	eBird	
Laridae	<i>Larus californicus</i>	California Gull	Birds	Human observation	2018-07-18	eBird	

Family	Scientific Name	Common Name	Taxonomic Group	Observed/Preserved	Observation Date	Source	Status
Laridae	<i>Larus delawarensis</i>	Ring-billed Gull	Birds	Human observation	2020-12-16	eBird	
Laridae	<i>Larus fuscus</i>	Lesser Black-backed Gull	Birds	Human observation	2018-02-08	eBird	
Laridae	<i>Larus glaucoides</i>	Iceland Gull	Birds	Human observation	2018-02-06	eBird	
Parulidae	<i>Leiothlypis celata</i>	Orange-crowned Warbler	Birds	Human observation	2015-09-19	eBird	
Parulidae	<i>Leiothlypis virginiae</i>	Virginia's Warbler	Birds	Human observation	2019-05-31	eBird	G5, S5, SWAP Tier 2
Laridae	<i>Leucophaeus pipixcan</i>	Franklin's Gull	Birds	Human observation	2015-09-05	eBird	
Anatidae	<i>Lophodytes cucullatus</i>	Hooded Merganser	Birds	Human observation	2021-11-23	eBird	
Fringillidae	<i>Loxia curvirostra</i>	Red Crossbill	Birds	Human observation	1997-01-10	eBird	
Anatidae	<i>Mareca americana</i>	American Wigeon	Birds	Human observation	2022-12-07	iNaturalist	
Anatidae	<i>Mareca strepera</i>	Gadwall	Birds	Human observation	2021-11-23	eBird	
Alcedinidae	<i>Megaceryle alcyon</i>	Belted Kingfisher	Birds	Human observation	2021-11-23	eBird	
Phasianidae	<i>Meleagris gallopavo</i>	Wild Turkey	Birds	Human observation	2021-03-13	eBird	
Passerellidae	<i>Melospiza lincolnii</i>	Lincoln's Sparrow	Birds	Human observation	2021-12-18	eBird	
Passerellidae	<i>Melospiza melodia</i>	Song Sparrow	Birds	Human observation	2022-12-17	eBird	
Anatidae	<i>Mergus merganser</i>	Common Merganser	Birds	Human observation	2021-11-23	eBird	
Anatidae	<i>Mergus serrator</i>	Red-breasted Merganser	Birds	Human observation	2019-10-30	eBird	
Icteridae	<i>Molothrus ater</i>	Brown-headed Cowbird	Birds	Human observation	2022-05-08	eBird	
Turdidae	<i>Myadestes townsendi</i>	Townsend's Solitaire	Birds	Human observation	2022-12-17	eBird	
Phalacrocoracidae	<i>Nannopterum auritum</i>	Double-crested Cormorant	Birds	Human observation	1995-11-05	eBird	
Ardeidae	<i>Nycticorax nycticorax</i>	Black-crowned Night-Heron	Birds	Human observation	1993-06-14	eBird	
Mimidae	<i>Oreoscoptes montanus</i>	Sage Thrasher	Birds	Human observation	1994-08-30	eBird	
Anatidae	<i>Oxyura jamaicensis</i>	Ruddy Duck	Birds	Human observation	2019-11-15	eBird	
Pandionidae	<i>Pandion haliaetus</i>	Osprey	Birds	Human observation	2022-04-17	eBird	
Passeridae	<i>Passer domesticus</i>	House Sparrow	Birds	Human observation	2020-03-17	eBird	
Cardinalidae	<i>Passerina amoena</i>	Lazuli Bunting	Birds	Human observation	2022-05-08	eBird	G5, S5B, SWAP Tier 2
Cardinalidae	<i>Passerina caerulea</i>	Blue Grosbeak	Birds	Human observation	2015-09-08	eBird	
Pelecanidae	<i>Pelecanus erythrorhynchos</i>	American White Pelican	Birds	Human observation	2015-09-08	eBird	G4, S1B, SWAP Tier 2
Hirundinidae	<i>Petrochelidon pyrrhonota</i>	Cliff Swallow	Birds	Human observation	2023-05-16	eBird	

Family	Scientific Name	Common Name	Taxonomic Group	Observed/Preserved	Observation Date	Source	Status
Cardinalidae	<i>Pheucticus ludovicianus</i>	Rose-breasted Grosbeak	Birds	Human observation	2000-05-20	eBird	
Cardinalidae	<i>Pheucticus melanocephalus</i>	Black-headed Grosbeak	Birds	Human observation	2015-08-24	eBird	
Corvidae	<i>Pica hudsonia</i>	Black-billed Magpie	Birds	Human observation	2023-05-22	eBird	
Passerellidae	<i>Pipilo chlorurus</i>	Green-tailed Towhee	Birds	Human observation	2022-05-08	eBird	
Passerellidae	<i>Pipilo maculatus</i>	Spotted Towhee	Birds	Human observation	2023-08-11	eBird	
Thraupidae	<i>Piranga ludoviciana</i>	Western Tanager	Birds	Human observation	2017-05-20	eBird	
Thraupidae	<i>Piranga rubra</i>	Summer Tanager	Birds	Human observation	2000-05-20	eBird	
Threskiornithidae	<i>Plegadis chihi</i>	White-faced Ibis	Birds	Human observation	2013-04-16	eBird	G5, S2B, SWAP Tier 2
Podicipedidae	<i>Podiceps auritus</i>	Horned Grebe	Birds	Human observation	2015-09-06	eBird	
Podicipedidae	<i>Podiceps nigricollis</i>	Eared Grebe	Birds	Human observation	2013-03-29	eBird	
Podicipedidae	<i>Podilymbus podiceps</i>	Pied-billed Grebe	Birds	Human observation	2020-03-17	eBird	
Paridae	<i>Poecile atricapillus</i>	Black-capped Chickadee	Birds	Human observation	2023-08-02	eBird	
Paridae	<i>Poecile gambeli</i>	Mountain Chickadee	Birds	Human observation	2023-08-02	eBird	
Poliptilidae	<i>Poliptila caerulea</i>	Blue-gray Gnatcatcher	Birds	Human observation	2022-05-17	iNaturalist	
Passerellidae	<i>Poocetes gramineus</i>	Vesper Sparrow	Birds	Human observation	1995-05-06	eBird	
Rallidae	<i>Porzana carolina</i>	Sora	Birds	Human observation	2017-05-06	eBird	
Aegithalidae	<i>Psaltriparus minimus</i>	Bushtit	Birds	Human observation	2022-12-17	eBird	
Icteridae	<i>Quiscalus quiscula</i>	Common Grackle	Birds	Human observation	2023-05-23	eBird	
Rallidae	<i>Rallus limicola</i>	Virginia Rail	Birds	Human observation	2021-12-18	eBird	
Calcariidae	<i>Rhynchophanes mccownii</i>	Thick-billed Longspur	Birds	Human observation	2013-05-01	eBird	
Hirundinidae	<i>Riparia riparia</i>	Bank Swallow	Birds	Human observation	1995-04-17	eBird	
Troglodytidae	<i>Salpinctes obsoletus</i>	Rock Wren	Birds	Human observation	2022-05-08	eBird	
Tyrannidae	<i>Sayornis saya</i>	Say's Phoebe	Birds	Human observation	2023-06-07	eBird	
Trochilidae	<i>Selasphorus platycercus</i>	Broad-tailed Hummingbird	Birds	Human observation	2023-08-11	eBird	
Trochilidae	<i>Selasphorus sp.</i>	Selasphorus sp.	Birds	Human observation	2015-08-25	eBird	
Parulidae	<i>Setophaga coronata</i>	Yellow-rumped Warbler	Birds	Human observation	2020-05-15	eBird	
Parulidae	<i>Setophaga petechia</i>	Yellow Warbler	Birds	Human observation	2020-05-23	eBird	
Turdidae	<i>Sialia currucoides</i>	Mountain Bluebird	Birds	Human observation	2019-09-25	eBird	
Turdidae	<i>Sialia mexicana</i>	Western Bluebird	Birds	Human observation	2016-04-17	eBird	
Sittidae	<i>Sitta canadensis</i>	Red-breasted Nuthatch	Birds	Human observation	2022-12-17	eBird	
Sittidae	<i>Sitta carolinensis</i>	White-breasted Nuthatch	Birds	Human observation	2022-12-17	eBird	
Anatidae	<i>Spatula clypeata</i>	Northern Shoveler	Birds	Human observation	2019-10-30	eBird	

Family	Scientific Name	Common Name	Taxonomic Group	Observed/Preserved	Observation Date	Source	Status
Anatidae	<i>Spatula cyanoptera</i>	Cinnamon Teal	Birds	Human observation	2019-03-11	eBird	
Anatidae	<i>Spatula discors</i>	Blue-winged Teal	Birds	Human observation	2016-05-14	eBird	
Fringillidae	<i>Spinus pinus</i>	Pine Siskin	Birds	Human observation	2021-12-18	eBird	
Fringillidae	<i>Spinus psaltria</i>	Lesser Goldfinch	Birds	Human observation	2023-08-11	eBird	
Fringillidae	<i>Spinus tristis</i>	American Goldfinch	Birds	Human observation	2023-08-11	eBird	
Passerellidae	<i>Spizella breweri</i>	Brewer's Sparrow	Birds	Human observation	2020-05-15	eBird	G5, S4B, SWAP Tier 2
Passerellidae	<i>Spizella pallida</i>	Clay-colored Sparrow	Birds	Human observation	2022-05-08	eBird	
Passerellidae	<i>Spizella passerina</i>	Chipping sparrow	Birds	Human observation	2020-05-15	eBird	
Passerellidae	<i>Spizella sp.</i>	Spizella sp.	Birds	Human observation	2015-09-06	eBird	
Passerellidae	<i>Spizella/Spizelloides sp.</i>	Spizella sp./American Tree Sparrow	Birds	Human observation	1994-04-05	eBird	
Passerellidae	<i>Spizelloides arborea</i>	American Tree Sparrow	Birds	Human observation	2022-12-17	eBird	
Hirundinidae	<i>Stelgidopteryx serripennis</i>	Northern Rough-winged Swallow	Birds	Human observation	2017-05-20	eBird	
Laridae	<i>Sterna hirundo</i>	Common Tern	Birds	Human observation	2014-05-12	eBird	
Columbidae	<i>Streptopelia decaocto</i>	Eurasian Collared-Dove	Birds	Human observation	2023-05-23	eBird	
Icteridae	<i>Sturnella neglecta</i>	Western Meadowlark	Birds	Human observation	2021-05-28	eBird	
Sturnidae	<i>Sturnus vulgaris</i>	European Starling	Birds	Human observation	2023-09-20	iNaturalist	
Hirundinidae	<i>Tachycineta bicolor</i>	Tree Swallow	Birds	Human observation	2023-05-16	eBird	
Hirundinidae	<i>Tachycineta thalassina</i>	Violet-green Swallow	Birds	Human observation	2016-05-16	eBird	
Mimidae	<i>Toxostoma rufum</i>	Brown Thrasher	Birds	Human observation	2000-05-20	eBird	
Scolopacidae	<i>Tringa flavipes</i>	Lesser Yellowlegs	Birds	Human observation	1993-07-19	eBird	
Scolopacidae	<i>Tringa melanoleuca</i>	Greater Yellowlegs	Birds	Human observation	1994-04-29	eBird	
Scolopacidae	<i>Tringa solitaria</i>	Solitary Sandpiper	Birds	Human observation	1995-05-04	eBird	
Troglodytidae	<i>Troglodytes aedon</i>	House Wren	Birds	Human observation	2022-05-08	eBird	
Turdidae	<i>Turdus migratorius</i>	American Robin	Birds	Human observation	2023-05-23	eBird	
Tyrannidae	<i>Tyrannus tyrannus</i>	Eastern Kingbird	Birds	Human observation	2019-05-31	eBird	
Tyrannidae	<i>Tyrannus verticalis</i>	Western Kingbird	Birds	Human observation	2019-07-06	eBird	
Tyrannidae	<i>Tyrannus vociferans</i>	Cassin's Kingbird	Birds	Human observation	2013-09-20	eBird	
Tytonidae	<i>Tyto alba</i>	Barn Owl	Birds	Human observation	2023-05-27	eBird	
Vireonidae	<i>Vireo gilvus</i>	Warbling Vireo	Birds	Human observation	2017-05-20	eBird	
Vireonidae	<i>Vireo plumbeus</i>	Plumbeous Vireo	Birds	Human observation	2020-05-15	eBird	
Columbidae	<i>Zenaida macroura</i>	Mourning Dove	Birds	Human observation	2023-09-20	iNaturalist	
Passerellidae	<i>Zonotrichia leucophrys</i>	White-crowned Sparrow	Birds	Human observation	2023-10-12	501 group/ Merlin Sound ID	
Passerellidae	<i>Zonotrichia querula</i>	Harris's Sparrow	Birds	Human observation	1997-12-20	eBird	

Family	Scientific Name	Common Name	Taxonomic Group	Observed/Preserved	Observation Date	Source	Status
Passerellidae		New World Sparrow sp.	Birds	Human observation	2015-11-11	eBird	
Icteridae		Blackbird sp.	Birds	Human observation	2018-04-02	eBird	
Hirundinidae		Swallow sp.	Birds	Human observation	2022-04-17	eBird	
Cambaridae	<i>Faxonius immunis</i>	Calico Crayfish	Crustaceans	Preserved specimen	1947-03-29	GBIF	
Cyprinidae	<i>Cyprinus carpio</i>	Common Carp	Fish	Human observation	1905-07-14	Chris Myrick CSU	
Dorosomatidae	<i>Dorosoma cepedianum</i>	Gizzard Shad	Fish	Human observation	1905-06-25	Chris Myrick CSU	
Esocidae	<i>Esox lucius</i>	Northern Pike	Fish	Human observation	1905-07-14	Chris Myrick CSU	
Centrarchidae	<i>Lepomis macrochirus</i>	Bluegill	Fish	Human observation	1905-07-14	Chris Myrick CSU	
Centrarchidae	<i>Micropterus dolomieu</i>	Smallmouth Bass	Fish	Human observation	1905-07-14	Chris Myrick CSU	
Centrarchidae	<i>Micropterus salmoides</i>	Largemouth Bass	Fish	Human observation	1905-07-14	Chris Myrick CSU	
Percidae	<i>Perca flavescens</i>	Yellow Perch	Fish	Human observation	1905-07-14	Chris Myrick CSU	
Centrarchidae	<i>Pomoxis annularis</i>	White Crappie	Fish	Human observation	1905-07-14	Chris Myrick CSU	
Centrarchidae	<i>Pomoxis nigromaculatus</i>	Black Crappie	Fish	Human observation	1905-07-14	Chris Myrick CSU	
Percidae	<i>Sander vitreus</i>	Walleye	Fish	Human observation	1905-07-13	Chris Myrick CSU	
Camillidae	<i>Afrocamilla neotoma</i>	An Acalyprate Fly	Insects	Preserved specimen	1998-07-22	GBIF	
Acrididae	<i>Ageneotettix deorum</i>	Whitewiskered Grasshopper	Insects	Preserved specimen	1895-07-24	GBIF	
Hydroptilidae	<i>Agraylea multipunctata</i>	Salt and Pepper Microcaddis	Insects	Preserved specimen	1990-04-30	GBIF	
Carabidae	<i>Amara apricaria</i>	A Ground Beetle	Insects	Preserved specimen	1988-08-21	SCAN	
Carabidae	<i>Amara avida</i>	A Ground Beetle	Insects	Preserved specimen	1988-08-21	SCAN	
Carabidae	<i>Amara carinata</i>	A Ground Beetle	Insects	Preserved specimen	1988-08-21	SCAN	
Aphididae	<i>Aphis Aphis nasturtii</i>	Buckthorn-Potato Aphid	Insects	Preserved specimen	1948-08-30	SCAN	
Apidae	<i>Apis mellifera</i>	Western Honey Bee	Insects	Human observation	2021-07-22	iNaturalist	
Acrididae	<i>Aulocara ellioti</i>	Big-Headed Grasshopper	Insects	Preserved specimen	1895-07-24	GBIF	
Carabidae	<i>Bembidion bifossulatum</i>	A Ground Beetle	Insects	Preserved specimen	1988-08-21	SCAN	

Family	Scientific Name	Common Name	Taxonomic Group	Observed/Preserved	Observation Date	Source	Status
Carabidae	<i>Bradycellus congener</i>	A Ground Beetle	Insects	Preserved specimen	1988-08-21	SCAN	
Carabidae	<i>Calosoma marginalis</i>	Rimmed Caterpillar Hunter	Insects	Preserved specimen	1995-07-24	SCAN	
Carabidae	<i>Calosoma obsoletum</i>	A Ground Beetle	Insects	Preserved specimen	1995-07-07	SCAN	
Lycaenidae	<i>Celastrina echo</i>	Echo Azure	Insects	Human observation	2020-05-09	iNaturalist	
Crabronidae	<i>Cerceris</i> sp.	Typical Weevil Wasps And Allies	Insects	Human observation	2023-08-24	iNaturalist	
Carabidae	<i>Chlaenius sericeus</i>	Green Pubescent Ground Beetle	Insects	Preserved specimen	1988-08-21	SCAN	
Coccinellidae	<i>Coccinella septempunctata</i>	Seven-Spotted Lady Beetle	Insects	Human observation	2023-10-10	iNaturalist	
Pieridae	<i>Colias eurytheme</i>	Orange Sulfur Butterfly	Insects	Human observation	2023-10-19	501 group	
Acrididae	<i>Cordillacris occipitalis</i>	Spottedwinged Grasshopper	Insects	Preserved specimen	1995-07-24	SCAN	
Pentatomidae	<i>Cosmopepla intergressus</i>	A Stink Bug	Insects	Preserved specimen	1998-07-23	SCAN	
Nymphalidae	<i>Danaus plexippus</i>	Monarch Butterfly	Insects	Human Observation	2023-10-12	501 Group	G5, S5 SWAP Tier 2
Chrysomelidae	<i>Diabrotica undecimpunctata</i>	A Spotted Cucumber Beetle	Insects	Human observation	2023-09-25	iNaturalist	
Acrididae	<i>Dissosteira carolina</i>	Carolina Grasshopper	Insects	Human observation	2023-10-19	501 group	
Tenebrionidae	<i>Eleodes suturalis</i>	Red-Backed Darkling Beetle	Insects	Human observation	2019-10-03	iNaturalist	
Mutillidae	<i>Ephuta grisea</i>	A Velvet Ant	Insects	Preserved specimen	1998-07-09	SCAN	
Acrididae	<i>Hesperotettix viridis</i>	A Snakeweed Grasshopper	Insects	Preserved specimen	1895-07-24	GBIF	
Acrididae	<i>Hesperotettix viridis pratensis</i>	A Snakeweed Grasshopper	Insects	Preserved specimen	1995-07-24	SCAN	
Sphingidae	<i>Hyles lineata</i>	White-Lined Sphinx	Insects	Human observation	2022-07-06	iNaturalist	
Acrididae	<i>Hypochlora alba</i>	Cudweed Grasshopper	Insects	Human observation	2019-09-11	iNaturalist	
Rhopalidae	<i>Jadera haematoloma</i>	Red-Shouldered Bug	Insects	Human observation	2023-07-20	iNaturalist	
Coreidae	<i>Leptoglossus occidentalis</i>	Western Conifer Seed Bug	Insects	Human observation	2023-09-14	iNaturalist	
Mantidae	<i>Mantis religiosa</i>	European Mantis	Insects	Human observation	2022-06-24	iNaturalist	
Megachilidae	<i>Megachile</i> sp.	Leafcutter, Mortar, And Resin Bees	Insects	Human observation	2023-09-07	iNaturalist	
Acrididae	<i>Melanoplus bivittatus</i>	Two-Striped Grasshopper	Insects	Human observation	2023-10-06	iNaturalist	
Acrididae	<i>Melanoplus occidentalis</i>	Flabellate Grasshopper	Insects	Preserved specimen	1995-07-24	SCAN	

Family	Scientific Name	Common Name	Taxonomic Group	Observed/Preserved	Observation Date	Source	Status
Tettigoniidae	<i>Microcentrum rhombifolium</i>	Greater Anglewing	Insects	Human observation	2021-09-17	iNaturalist	
Ichneumonidae	<i>Netelia</i> sp.	An Ichneumonid Wasp	Insects	Human observation	2021-06-08	iNaturalist	
Nymphalidae	<i>Nymphalis antiopa</i>	Mourning Cloak	Insects	Human observation	2023-05-21	iNaturalist	
Cicadidae	<i>Okanagana synodica</i>	Walking Cicada	Insects	Preserved specimen	2003-07-01	SCAN	
Papilionidae	<i>Papilio multicaudata</i>	Two-Tailed Swallowtail	Insects	Human observation	2020-08-10	iNaturalist	
Acrididae	<i>Phlibostroma quadrimaculatum</i>	Four-Spotted Grasshopper	Insects	Preserved specimen	1995-07-24	SCAN	
Reduviidae	<i>Phymata americana</i>	Jagged Ambush Bug	Insects	Human observation	2023-09-26	iNaturalist	
Pieridae	<i>Pieris rapae</i>	Cabbage White Butterfly	Insects	Human observation	2023-10-21	501 group	
Pentatomidae	<i>Podisus placidus</i>	Predatory Stink Bug	Insects	Preserved specimen	2006-08-25	SCAN	
Formicidae	<i>Pogonomyrmex</i> sp.	Harvester Ant	Insects	Human observation	2023-10-19	501 group	
Scarabaeidae	<i>Popillia japonica</i>	Japanese Beetle	Insects	Human observation	2023-10-03	iNaturalist	
Sphecidae	<i>Prionychini</i> sp.	A Sphecid Wasp	Insects	Human observation	2021-09-03	iNaturalist	
Aphididae	<i>Rhopalosiphum cerasifoliae</i>	Chokecherry Aphid	Insects	Preserved specimen	2008-06-08	SCAN	
Curculionidae	<i>Scyphophorus acupunctatus</i>	Sisal Weevil	Insects	Human observation	2021-06-08	iNaturalist	
Cerambycidae	<i>Trichocnemis spiculatus neomexicanus</i>	Spined Woodborer	Insects	Human observation	2019-08-16	iNaturalist	
Noctuidae	<i>Tyta luctuosa</i>	Four-Spotted Moth	Insects	Human observation	2021-07-09	iNaturalist	
Heptageniidae			Insects	Preserved specimen	1997-06-22	GBIF	
Mutillidae			Insects	Preserved specimen	1998-07-08	GBIF	
Miridae			Insects	Preserved specimen	1998-07-09	GBIF	
Camillidae			Insects	Preserved specimen	1998-07-23	GBIF	
Stratiomyidae		Soldier Flies	Insects	Human observation	2016-06-25	iNaturalist	
Hydrophilidae		Water Scavenger Beetle	Insects	Human observation	2020-10-28	iNaturalist	
Aphrophoridae		True Spittlebugs	Insects	Human observation	2023-07-02	iNaturalist	
Noctuidae		Cutworms And Dart Moths	Insects	Human observation	2023-10-04	iNaturalist	
Bombyliidae			Insects	Human observation		iNaturalist	
Vespertilionidae	<i>Aeorestes cinereus</i>	Hoary Bat	Mammals	Preserved specimen	2000-09-21	GBIF	G5, S5B, SWAP Tier 2
Canidae	<i>Canis latrans</i>	Coyote	Mammals	Human observation	2023-10-12	501 group	
Sciuridae	<i>Cynomys ludovicianus</i>	Black-tailed Prairie Dog	Mammals	Human observation	2015-02-14	iNaturalist	G4, S3, SC, SWAP Tier 2, BLM
Mephitidae	<i>Mephitis mephitis</i>	Striped Skunk	Mammals	Human observation	2019-06-24	iNaturalist	

Family	Scientific Name	Common Name	Taxonomic Group	Observed/Preserved	Observation Date	Source	Status
Cricetidae	<i>Microtus ochrogaster</i>	Prairie Vole	Mammals	Preserved specimen	1963-08-12	GBIF	
Muridae	<i>Mus musculus</i>	House Mouse	Mammals	Preserved specimen	1963-10-26	GBIF	
Mustelidae	<i>Mustela eversmanii</i>	Steppe Polecat	Mammals	Preserved specimen	1982-01-11	GBIF	
Vespertilionidae	<i>Myotis ciliolabrum</i>	Western Small-Footed Bat	Mammals	Preserved specimen	2012-08-28	GBIF	
Vespertilionidae	<i>Myotis sp.</i>	Mouse-Eared Bats	Mammals	Human observation	2023-08-30	iNaturalist	
Cricetidae	<i>Neotoma mexicana</i>	Mexican Woodrat	Mammals	Preserved specimen	1979-07-03	GBIF	
Cervidae	<i>Odocoileus hemionus</i>	Mule Deer	Mammals	Human observation	2023-10-12	501 group	
Cervidae	<i>Odocoileus virginianus</i>	White-Tailed Deer	Mammals	Human observation		iNaturalist	
Cricetidae	<i>Peromyscus maniculatus</i>	Eastern Deer Mouse	Mammals	Preserved specimen	1979-07-03	GBIF	
Cricetidae	<i>Peromyscus nasutus</i>	Northern Rock Deermouse	Mammals	Preserved specimen	1979-07-03	GBIF	
Procyonidae	<i>Procyon lotor</i>	Raccoon	Mammals	Human observation	2023-10-19	501 group	
Sciuridae	<i>Sciurus niger</i>	Eastern Fox Squirrel	Mammals	Preserved specimen	1968-10-31	GBIF	
Leporidae	<i>Sylvilagus audubonii</i>	Desert Cottontail	Mammals	Preserved specimen	1966-11-12	GBIF	
Leporidae	<i>Sylvilagus nuttallii</i>	Mountain Cottontail	Mammals	Human observation	2023-04-03	iNaturalist	
Leporidae	<i>Sylvilagus sp.</i>	Cottontail Rabbits	Mammals	Human observation	2021-07-09	iNaturalist	
Bovidae		Bovids	Mammals	Human observation	2023-04-13	iNaturalist	
Viperidae	<i>Crotalus viridis</i>	Prairie Rattlesnake	Reptiles	Human observation	2023-10-19	501 group	
Colubridae	<i>Pituophis catenifer</i>	Pacific Gopher Snake	Reptiles	Preserved specimen	1961-06-07	GBIF	
Colubridae	<i>Pituophis catenifer sayi</i>	Bullsnake	Reptiles	Human observation	2023-10-21	501 group	
Colubridae	<i>Thamnophis radix</i>	Plains Garter Snake	Reptiles	Human observation	2022-06-30	iNaturalist	
Colubridae	<i>Thamnophis sirtalis</i>	Common Garter Snake	Reptiles	Preserved specimen	1900-01-01	GBIF	G5, S3, SWAP Tier 2

Table 4. Complete species list of plants found on the FC. Species of conservation concern are bolded. See Appendix 2, Table 2 for status definitions.

Family	Scientific name	Common name	Observed/ Preserved	Observation Date	Source	Nativity	Noxious	C-value	Status
Amaranthaceae	<i>Salsola tragus</i>	Tumbleweed	Human observation	2023-10-21	501 group	Non-native		0	
Amaryllidaceae	<i>Allium textile</i>	Textile Onion	Human observation	2019-06-10	iNaturalist	Native		5	
Anacardiaceae	<i>Rhus trilobata</i>	Skunkbush Sumac	Human observation	2023-10-19	501 group	Native		5	
Apiaceae	<i>Musineon divaricatum</i>	Leafy Wildparsley	Human observation	2022-04-27	iNaturalist	Native		5	
Apocynaceae	<i>Asclepias</i> sp.	Milkweeds	Human observation	2023-05-01	iNaturalist	Native			
Apocynaceae	<i>Asclepias speciosa</i>	Showy Milkweed	Human observation	2023-05-17	iNaturalist	Native		3	
Asclepiadaceae	<i>Asclepias pumila</i>	Plains Milkweed	Human observation	2023-10-12	501 group	Native		4	
Asparagaceae	<i>Scilla</i> sp.	Squills	Human observation	2022-04-18	iNaturalist	Non-native			
Asparagaceae	<i>Yucca glauca</i>	Soapweed Yucca	Human observation	2023-10-27	501 group	Native		4	
Asteraceae	<i>Ambrosia artemisiifolia</i>	Common Ragweed	Human observation	2023-10-12	501 group	Native		1	
Asteraceae	<i>Ambrosia psilostachya</i>	Western Ragweed	Human observation	2021-10-05	iNaturalist	Native		3	
Asteraceae	<i>Artemisia arbuscula</i>	Little Sagebrush	Human observation	2023-10-12	501 group	Native		6	
Asteraceae	<i>Artemisia dracuncululus</i>	Tarragon	Human observation	2023-10-12	501 group	Native		3	
Asteraceae	<i>Artemisia frigida</i>	Fringed Sagebrush	Human observation	2023-10-12	501 group	Native		4	
Asteraceae	<i>Artemisia ludoviciana</i>	Silver Wormwood	Human observation	2023-10-12	501 group	Native		4	
Asteraceae	<i>Artemisia</i> sp.	Wormwoods And Sagebrushes	Human observation	2017-09-14	iNaturalist	Native			
Asteraceae	<i>Artemisia tridentata</i>	Big Sagebrush	Human observation	2021-09-24	iNaturalist	Native		5	
Asteraceae	<i>Carduus nutans</i>	Musk Thistle	Human observation	2023-10-12	501 group	Non-native	List B	0	
Asteraceae	<i>Centaurea diffusa</i>	Diffuse Knapweed	Human observation	2023-05-24	iNaturalist	Non-native	List B	0	
Asteraceae	<i>Chrysothamnus viscidiflorus</i>	Yellow Rabbitbrush	Human observation	2022-09-09	iNaturalist	Native		5	
Asteraceae	<i>Cichorieae</i> sp.	Lettuce, Chicory, Dandelion And Salsify Tribe	Human observation	2021-07-09	iNaturalist	Non-native			
Asteraceae	<i>Cirsium arvense</i>	Creeping Thistle	Human observation	2021-07-09	iNaturalist	Non-native	List B	0	
Asteraceae	<i>Cirsium undulatum</i>	Wavyleaf Thistle	Human observation	2023-10-12	501 group	Native		5	
Asteraceae	<i>Cirsium vulgare</i>	Bull Thistle	Preserved specimen	2017-09-08	GBIF	Non-native	List B	0	
Asteraceae	<i>Dieteria bigelovii</i>	Bigelow's Tansyaster	Preserved specimen	2017-09-20	GBIF	Native		3	
Asteraceae	<i>Dyssodia papposa</i>	Fetid Marigold	Human observation	2023-07-25	iNaturalist	Native		2	
Asteraceae	<i>Ericameria nauseosa</i>	Rubber Rabbitbrush	Human observation	2023-10-12	501 group	Native		3	
Asteraceae	<i>Ericameria</i> sp.	Goldenbushes	Human observation	2021-07-09	iNaturalist	Native			
Asteraceae	<i>Erigeron canadensis</i>	Horseweed	Human observation	2023-10-12	501 group	Non-native		0	

Family	Scientific name	Common name	Observed/ Preserved	Observation Date	Source	Nativity	Noxious	C-value	Status
Asteraceae	<i>Gaillardia aristata</i>	Blanketflower	Human observation	2023-10-12	501 group	Native		4	
Asteraceae	<i>Grindelia squarrosa</i>	Curlycup Gumweed	Human observation	2023-10-12	501 group	Native		3	
Asteraceae	<i>Gutierrezia sarothrae</i>	Broom Snakeweed	Human observation	2023-10-12	501 group	Native		3	
Asteraceae	<i>Helianthus annuus</i>	Common Sunflower	Human observation	2023-10-12	501 group	Native		1	
Asteraceae	<i>Helianthus</i> sp.	Sunflowers	Human observation	2022-09-29	iNaturalist	Native			
Asteraceae	<i>Heterotheca villosa</i>	Hairy Golden-Aster	Preserved specimen	2023-10-12	501 group	Native		3	
Asteraceae	<i>Lactuca serriola</i>	Prickly Lettuce	Human observation	2021-07-09	iNaturalist	Non-native		0	
Asteraceae	<i>Liatis punctata</i>	Dotted Gayfeather	Human observation	2023-10-12	501 group	Native		6	
Asteraceae	<i>Ratibida columnifera</i>	Upright Prairie Coneflower	Human observation	2023-10-19	501 group	Native		4	
Asteraceae	<i>Ratibida</i> sp.	Coneflowers	Human observation	2022-07-12	iNaturalist	Native			
Asteraceae	<i>Senecio spartioides</i>	Arrow-leaf Butterweed	Human observation	2023-10-21	501 group	Native		5	
Asteraceae	<i>Solidago missouriensis</i>	Missouri Goldenrod	Human observation	2023-10-21	501 group	Native		5	
Asteraceae	<i>Symphotrichum fendleri</i>	Fendler's Aster	Preserved specimen	2017-06-20	GBIF	Native		6	
Asteraceae	<i>Symphotrichum</i> sp.	American Asters	Human observation	2023-10-21	501 group	Native			
Asteraceae	<i>Tetraneuris acaulis</i>	Angelita Daisy	Preserved specimen	2017-05-28	GBIF	Native		6	
Asteraceae	<i>Townsendia hookeri</i>	Hooker's Townsend-daisy	Human observation	2023-09-20	iNaturalist	Native		6	
Asteraceae	<i>Verbesina encelioides</i>	Cowpen Daisy	Human observation	2023-10-07	iNaturalist	Non-native		0	
Asteraceae	<i>Xanthisma spinulosum</i>	Spiny Goldenweed	Human observation	2018-09-18	iNaturalist	Native		4	
Asteraceae	<i>Xanthium strumarium</i>	Rough Cocklebur	Human observation	2023-10-27	501 group	Native		1	
Boraginaceae	<i>Lappula redowskii</i>	Western Stickseed	Preserved specimen	1893-05-27	GBIF	Native		2	
Brassicaceae	<i>Alyssum simplex</i>	Field Alison	Human observation	2023-04-09	iNaturalist	Non-native		0	
Brassicaceae	<i>Alyssum</i> sp.	Alyssums	Human observation	2021-07-26	iNaturalist	Non-native			
Brassicaceae	<i>Descurainia sophia</i>	Flixweed	Human observation	2018-05-22	iNaturalist	Non-native		0	
Brassicaceae	<i>Thlaspi arvense</i>	Field Pennycress	Preserved specimen	1998-05-06	GBIF	Non-native		0	
Cactaceae	<i>Opuntia macrorhiza</i>	Prairie Pricklypear	Human observation	2023-10-12	501 group	Native		3	
Cactaceae	<i>Opuntia polyacantha</i>	Plains Pricklypear	Human observation	2023-10-19	501 group	Native		5	
Cannabaceae	<i>Celtis occidentalis</i>	Hackberry	Human observation	2023-10-12	501 group	Native			
Caprifoliaceae	<i>Lonicera</i> sp.		Human observation	2022-05-20	iNaturalist	Native			
Caprifoliaceae	<i>Lonicera tatarica</i>	Tatarian Honeysuckle	Human observation	2021-04-15	iNaturalist	Non-native		0	

Family	Scientific name	Common name	Observed/ Preserved	Observation Date	Source	Nativity	Noxious	C-value	Status
Caprifoliaceae	<i>Symphoricarpos occidentalis</i>	Western Snowberry	Human observation	2020-07-31	iNaturalist	Native		3	
Caprifoliaceae	<i>Symphoricarpos rotundifolius</i>	Round-leaved Snowberry	Human observation	2023-10-21	501 group	Native		5	
Ceratophyllaceae	<i>Ceratophyllum demersum</i>	Hornwort	Preserved specimen	1952-07-23	SEINet	Native		1	
Commelinaceae	<i>Tradescantia occidentalis</i>	Western Spiderwort	Human observation	2022-10-02	iNaturalist	Native		5	
Convolvulaceae	<i>Convolvulus arvensis</i>	Field Bindweed	Human observation	2022-06-16	iNaturalist	Non-native	List C	0	
Cupressaceae	Cupressoideae sp.	Cypresses, Cedars, Junipers, And Allies	Human observation	2022-04-01	iNaturalist	Non-native			
Cupressaceae	<i>Juniperus communis</i>	Common Juniper	Human observation	2023-10-12	501 group	Native		6	
Cupressaceae	<i>Juniperus scopulorum</i>	Rocky Mountain Juniper	Human observation	2023-10-12	501 group	Native		5	
Cupressaceae	<i>Juniperus sp.</i>	Junipers	Human observation	2022-09-07	iNaturalist	Native			
Cyperaceae	<i>Carex bebbii</i>	Bebb's Oval Sedge	Preserved specimen	2013-07-31	GBIF	Native		7	
Cyperaceae	<i>Carex duriuscula</i>	Needleleaf Sedge	Preserved specimen	1998-04-25	GBIF	Native		7	
Cyperaceae	<i>Eleocharis palustris</i>	Creeping Spike Rush	Preserved specimen	2013-07-13	GBIF	Native		3	
Elaeagnaceae	<i>Elaeagnus angustifolia</i>	Russian Olive	Human observation	2023-10-12	501 group	Non-native	List B	0	
Euphorbiaceae	<i>Euphorbia esula</i>	Leafy Spurge	Human observation	2023-10-12	501 group	Non-native	List B	0	
Euphorbiaceae	<i>Euphorbia marginata</i>	Snow-On-The-Mountain	Human observation	2021-07-31	iNaturalist	Native		1	
Euphorbiaceae	<i>Euphorbia sp.</i>	Spurges	Human observation	2023-08-19	iNaturalist	Unknown			
Euphorbiaceae	<i>Euphorbia virgata</i>	Leafy Spurge	Human observation	2023-09-20	iNaturalist	Non-native	List B	0	
Euphorbiaceae	<i>Tragia ramosa</i>	Branched Noseburn	Human observation	2023-10-27	501 group	Native		6	
Fabaceae	<i>Astragalus bisulcatus</i>	Two-Grooved Milkvetch	Preserved specimen	1891-06-07	GBIF	Native		5	
Fabaceae	<i>Astragalus crassicaarpus</i>	Ground-Plum	Human observation	2023-05-21	iNaturalist	Native		6	
Fabaceae	<i>Astragalus drummondii</i>	Drummond's Milkvetch	Preserved specimen	1891-06-07	GBIF	Native		6	
Fabaceae	<i>Dalea purpurea</i>	Purple Prairie Clover	Human observation	2023-05-24	iNaturalist	Native		5	
Fabaceae	<i>Glycyrrhiza lepidota</i>	American Licorice	Human observation	2023-10-12	501 group	Native		3	

Family	Scientific name	Common name	Observed/ Preserved	Observation Date	Source	Nativity	Noxious	C-value	Status
Fabaceae	<i>Lathyrus latifolius</i>	Broad-Leaved Sweet Pea	Human observation	2018-08-31	iNaturalist	Non-native		0	
Fabaceae	<i>Medicago sativa</i>	Alfalfa	Human observation	2021-07-09	iNaturalist	Non-native		0	
Fabaceae	<i>Melilotus officinalis</i>	Yellow Sweetclover	Human observation	2021-07-09	iNaturalist	Non-native		0	
Fabaceae	<i>Oxytropis sericea</i>	White Locoweed	Human observation	2023-10-19	501 group	Native		5	
Fabaceae	<i>Pediomelum hypogaeum</i>	Little Indian Breadroot	Preserved specimen	1949-06-07	GBIF	Native		9	
Fabaceae	<i>Pediomelum tenuiflorum</i>	Slimflower Scurfpea	Human observation	2021-07-09	iNaturalist	Non-native			
Fabaceae	<i>Thermopsis rhombifolia</i>	Golden Bean	Human observation	2021-05-23	iNaturalist	Native		5	
Fabaceae	<i>Trifolium pratense</i>	Red Clover	Human observation	2021-07-09	iNaturalist	Non-native		0	
Fabaceae	<i>Trifolium repens</i>	White Clover	Human observation	2021-07-09	iNaturalist	Non-native		0	
Geraniaceae	<i>Erodium cicutarium</i>	Redstem Stork's-Bill	Human observation	2023-08-01	iNaturalist	Non-native	List C	0	
Hydrocharitaceae	<i>Elodea nuttallii</i>	Western Waterweed	Preserved specimen	2011-07-18	GBIF	Native		7	
Juncaceae	<i>Juncus effusus</i>	Common Rush	Preserved specimen	2011-07-06	GBIF	Native		4	
Juncaceae	<i>Juncus longistylis</i>	Longstyle Rush	Preserved specimen	2013-07-13	GBIF	Native		6	
Juncaginaceae	<i>Triglochin maritima</i>	Seaside Arrowgrass	Preserved specimen	2013-07-13	GBIF	Native		6	
Lamiaceae	<i>Mentha arvensis</i>	Corn Mint	Preserved specimen	2011-07-13	GBIF	Native		4	
Lamiaceae	<i>Nepeta cataria</i>	Catnip	Human observation	2021-06-10	iNaturalist	Non-native		0	
Lamiaceae	<i>Prunella vulgaris</i>	Common Self-Heal	Preserved specimen	2013-07-13	GBIF	Native		4	
Liliaceae	<i>Calochortus gunnisonii</i>	Gunnison Mariposa Lily	Preserved specimen	2017-06-20	GBIF	Native		7	
Loasaceae	<i>Mentzelia nuda</i>	Stickleaf	Preserved specimen	1942-07-26	GBIF	Native		4	
Malvaceae	<i>Hibiscus trionum</i>	Flower-Of-An-Hour	Human observation	2018-09-23	iNaturalist	Non-native		0	
Malvaceae	<i>Malva</i> sp.	Mallows	Human observation	2023-09-20	iNaturalist	Non-native			
Onagraceae	<i>Oenothera</i> sp.	Evening Primroses, Sundrops, And Beeblossoms	Human observation	2021-06-10	iNaturalist	Native			
Onagraceae	<i>Oenothera suffrutescens</i>	Scarlet Beeblossom	Human observation	2021-07-09	iNaturalist	Native		5	
Orobanchaceae	<i>Castilleja sessiliflora</i>	Downy Indian Paintbrush	Preserved specimen	1967-06-15	SEINet	Native		7	
Papaveraceae	<i>Argemone hispida</i>	Rough Pricklypoppy	Human observation	2022-07-13	iNaturalist	Native		5	
Papaveraceae	<i>Argemone polyanthemus</i>	Thistle Poppy	Human observation	2018-06-14	iNaturalist	Native		3	

Family	Scientific name	Common name	Observed/ Preserved	Observation Date	Source	Nativity	Noxious	C-value	Status
Pinaceae	<i>Pinus contorta</i>	Lodgepole Pine	Human observation	2022-09-07	iNaturalist	Native		5	
Pinaceae	<i>Pinus ponderosa</i>	Ponderosa Pine	Human observation	2023-10-19	501 group	Native		5	
Plantaginaceae	<i>Linaria vulgaris</i>	Butter-and-Eggs	Human observation	2023-10-12	501 group	Non-native	List B	0	
Plantaginaceae	<i>Penstemon angustifolius</i>	Broadbeard Beardtongue	Preserved specimen	1967-06-15	SEINet	Native		5	
Plantaginaceae	<i>Plantago</i> sp.	Plantains	Human observation	2021-07-09	iNaturalist	Unknown			
Poaceae	<i>Achnatherum hymenoides</i>	Indian Ricegrass	Human observation	2023-10-12	501 group	Native		5	
Poaceae	<i>Achnatherum robustum</i>	Sleepy Grass	Human observation	2023-10-12	501 group	Native		3	
Poaceae	<i>Agropyron cristatum</i>	Crested Wheatgrass	Human observation	2023-10-12	501 group	Non-native		0	
Poaceae	<i>Andropogon gerardii</i>	Big Bluestem	Human observation	2023-10-12	501 group	Native		9	
Poaceae	<i>Bouteloua curtipendula</i>	Sideoats Grama	Human observation	2023-10-12	501 group	Native		6	
Poaceae	<i>Bouteloua gracilis</i>	Blue Grama	Human observation	2023-10-12	501 group	Native		4	
Poaceae	<i>Bromus inermis</i>	Smooth Brome	Human observation	2023-10-12	501 group	Non-native		0	
Poaceae	<i>Bromus</i> sp.	Bromes	Human observation	2023-10-12	501 group	Unknown			
Poaceae	<i>Bromus tectorum</i>	Cheatgrass	Human observation	2023-10-12	501 group	Non-native	List C	0	
Poaceae	<i>Eragrostis pilosa</i>	Jersey Love-Grass	Human observation	2019-10-09	iNaturalist	Native		1	
Poaceae	<i>Hesperostipa comata</i>	Needle-and-thread Grass	Human observation	2023-10-12	501 group	Native		6	
Poaceae	<i>Hordeum</i> sp.	Barleys	Human observation	2021-07-09	iNaturalist	Native			
Poaceae	<i>Koeleria macrantha</i>	Prairie Junegrass	Human observation	2023-10-12	501 group	Native		6	
Poaceae	<i>Muhlenbergia torreyi</i>	Ring Muhly	Human observation	2023-10-12	501 group	Native		5	
Poaceae	<i>Panicum capillare</i>	Witchgrass	Human observation	2023-10-19	501 group	Native		1	
Poaceae	<i>Panicum virgatum</i>	Switchgrass	Human observation	2023-10-19	501 group	Native		5	
Poaceae	<i>Poa compressa</i>	Canada Bluegrass	Human observation	2023-10-19	501 group	Non-native		0	
Poaceae	<i>Poa pratensis</i>	Kentucky Bluegrass	Human observation	2020-10-02	iNaturalist	Non-native		0	
Poaceae	Poeae sp.		Human observation	2022-04-01	iNaturalist	Unknown			
Poaceae	<i>Pseudoroegneria spicata</i>	Bluebunch Wheatgrass	Human observation	2023-10-19	501 group	Native		7	
Poaceae	<i>Schizachyrium scoparium</i>	Little Bluestem	Human observation	2023-10-21	501 group	Native		5	
Poaceae	<i>Secale cereale</i>	Rye	Human observation	2023-10-21	501 group	Non-native		0	
Poaceae	<i>Setaria</i> sp.		Human observation	2023-10-21	501 group	Non-native			

Family	Scientific name	Common name	Observed/ Preserved	Observation Date	Source	Nativity	Noxious	C-value	Status
Poaceae	<i>Sporobolus cryptandrus</i>	Sand Dropseed	Human observation	2023-10-21	501 group	Native		2	
Poaceae	<i>Sporobolus</i> sp.	Dropseed	Human observation	2023-10-21	501 group	Native			
Poaceae	<i>Thinopyrum intermedium</i>	Intermediate Wheatgrass	Human observation	2023-10-27	501 group	Non-native		0	
Polemoniaceae	<i>Ipomopsis spicata</i>	Spiked Ipomopsis	Preserved specimen	1949-06-07	GBIF	Native		8	
Polygonaceae	<i>Eriogonum alatum</i>	Winged Buckwheat	Preserved specimen	1967-06-30	SEINet	Native		5	
Polygonaceae	<i>Eriogonum</i> sp.		Human observation	2023-10-12	501 group	Native			
Polygonaceae	<i>Polygonum aviculare</i>	Prostrate Knotweed	Human observation	2021-07-09	iNaturalist	Non-native		0	
Polygonaceae	<i>Rumex crispus</i>	Curly Dock	Human observation	2023-10-21	501 group	Non-native		0	
Polygonaceae	<i>Rumex</i> sp.	Docks	Human observation	2021-07-09	iNaturalist	Unknown			
Potamogetonaceae	<i>Potamogeton foliosus</i>	Leafy Pondweed	Preserved specimen	2012-07-23	GBIF	Native		4	
Ranunculaceae	<i>Delphinium carolinianum</i>	Wild Blue Larkspur	Human observation	2018-06-14	iNaturalist	Native		5	
Ranunculaceae	<i>Delphinium nuttallianum</i>	Two-Lobe Larkspur	Preserved specimen	1893-05-20	GBIF	Native		6	
Ranunculaceae	<i>Pulsatilla patens</i>	Pasqueflower	Preserved specimen	1960-05-02	GBIF	Non-native		0	
Rosaceae	<i>Cercocarpus montanus</i>	Alderleaf Mountain Mahogany	Human observation	2023-10-12	501 group	Native		6	
Rosaceae	<i>Potentilla plattensis</i>	Platte River Cinquefoil	Preserved specimen	2013-07-13	GBIF	Native		7	
Rosaceae	<i>Prunus pumila</i>	Sand Cherry	Preserved specimen	2016-02-26	GBIF	Native		10	
Rosaceae	<i>Prunus tomentosa</i>	Nanking Cherry	Human Observation	2024-04-12	440 group	Non-native		0	
Rosaceae	<i>Prunus virginiana</i>	Chokecherry	Human observation	2022-05-06	iNaturalist	Native		4	
Rosaceae	<i>Rosa woodsii</i>	Wood's Rose	Human observation	2023-10-21	501 group	Native		5	
Salicaceae	<i>Populus deltoides</i>	Eastern Cottonwood	Human observation	2023-10-19	501 group	Native		4	
Salicaceae	<i>Populus</i> sp.	Poplars, Cottonwoods, And Aspens	Human observation	2023-10-19	501 group	Unknown			
Salicaceae	<i>Populus tremuloides</i>	Quaking Aspen	Human observation	2023-10-19	501 group	Native		5	
Salicaceae	<i>Salix amygdaloides</i>	Peachleaf Willow	Preserved specimen	2016-01-30	GBIF	Native		5	
Salicaceae	<i>Salix</i> sp.		Human observation	2023-10-21	501 group	Unknown			
Sapindaceae	<i>Acer saccharinum</i>	Silver Maple	Human observation	2021-05-19	iNaturalist	Non-native		0	
Sapindaceae	<i>Aesculus</i> sp.	Buckeyes And Horse-Chestnuts	Human observation	2022-08-05	iNaturalist	Non-native			

Family	Scientific name	Common name	Observed/ Preserved	Observation Date	Source	Nativity	Noxious	C-value	Status
Saxifragaceae	<i>Micranthes rhomboidea</i>	Diamond-Leaf Pseudosaxifrage	Preserved specimen		GBIF	Native		8	
Scrophulariaceae	<i>Verbascum thapsus</i>	Great Mullein	Human observation	2023-10-27	501 group	Non-native	List C	0	
Solanaceae	<i>Quincula lobata</i>	Purple Groundcherry	Preserved specimen	1999-09-12	GBIF	Native		3	
Solanaceae	<i>Solanum rostratum</i>	Buffalo-Bur	Human observation	2021-07-09	iNaturalist	Native		2	
Typhaceae	<i>Typha</i> sp.	Cattails	Human observation	2023-10-27	501 group	Unknown			
Ulmaceae	<i>Ulmus pumila</i>	Siberian Elm	Human observation	2023-10-27	501 group	Non-native	Watch List	0	
Vitaceae	<i>Parthenocissus quinquefolia</i>	Virginia Creeper	Human observation	2020-10-02	GBIF	Non-native		0	

Table 5. Complete species list of fungi found on the FC.

Family	Scientific name	Common name	Observed or Preserved	Observation Date	Source
Gomphaceae			Preserved specimen	2005-08-13	GBIF
Hydnangiaceae	<i>Laccaria nobilis</i>		Preserved specimen	2005-08-14	GBIF
Psathyrellaceae	<i>Coprinopsis atramentaria</i>	Common Ink Cap	Human observation	2022-05-18	iNaturalist

Environmental Learning Center Observed Taxa

Table 6. Complete species list of animals found on the ELC, including documented human observations and preserved specimens. Species of concern are bolded. See Appendix 2, Table 2 for status definitions.

Family	Scientific Name	Common Name	Taxonomic Group	Observed/ Preserved	Observation Date	Source	Status
Bufo	<i>Anaxyrus woodhousii</i>	Woodhouse's Toad	Amphibians	Human observation	2019-06-23	iNaturalist	
Hyla	<i>Pseudacris triseriata</i>	Western Chorus Frog	Amphibians	Human observation	2023-04-23	Bernadette Khun City of Fort Collins	
Rana	<i>Lithobates catesbeianus</i>	American Bullfrog	Amphibians	Human observation	2022-07-03	iNaturalist	
Rana	<i>Lithobates sp.</i>	Leopard Frog	Amphibians	Human observation	2023-10-20	501 group	
Araneidae	<i>Araneus gemmoides</i>	Cat-Faced Orbweaver	Arachnids	Human observation	2020-09-06	iNaturalist	
Araneidae	<i>Argiope trifasciata</i>	Banded Garden Spider	Arachnids	Human observation	2014-10-05	iNaturalist	
Araneidae	<i>Larinia sp.</i>	Grass Orb-Web Spiders	Arachnids	Human observation	2020-04-27	iNaturalist	
Araneidae	<i>Neoscona crucifera</i>	Spotted Orbweaver	Arachnids	Human observation	2019-08-27	iNaturalist	
Cheliferidae	<i>Chelifer cancroides</i>	House Pseudoscorpion	Arachnids	Human observation	2021-08-04	iNaturalist	
Corinnidae	<i>Castianeira sp.</i>	Ant-Mimic Sac Spiders	Arachnids	Human observation	2020-08-08	iNaturalist	
Dictynidae		Meshweavers	Arachnids	Human observation	2019-07-04	iNaturalist	
Gnaphosidae	<i>Herpyllus ecclesiasticus</i>	Eastern Parson Spider	Arachnids	Human observation	2021-06-21	iNaturalist	
Gnaphosidae	<i>Zelotes sp.</i>		Arachnids	Human observation	2022-04-08	iNaturalist	
Ixodida	<i>Ixodida sp.</i>	Ticks	Arachnids	Human observation	2017-06-12	iNaturalist	
Lycosidae	<i>Pardosa sp.</i>	Thin-Legged Wolf Spiders	Arachnids	Human observation	2021-06-28	iNaturalist	
Lycosidae	<i>Tigrosa grandis</i>		Arachnids	Preserved specimen	1999-09-25	GBIF	
Lycosidae		Wolf Spiders	Arachnids	Human observation	2023-10-20	501 group	
Phalangidae	<i>Phalangium opilio</i>	European Harvestman	Arachnids	Human observation	2019-07-16	iNaturalist	
Pholcidae		Daddy Longlegs	Arachnids	Human observation	2023-10-20	501 group	
Pisauridae	<i>Dolomedes scriptus</i>	Striped Fishing Spider	Arachnids	Human observation	2021-09-11	iNaturalist	
Salticidae	<i>Dendryphantina sp.</i>	Jumping Spiders	Arachnids	Human observation	2021-09-08	iNaturalist	
Salticidae	<i>Phidippus audax</i>	Bold Jumping Spider	Arachnids	Human observation	2023-05-06	iNaturalist	
Salticidae	<i>Phidippus clarus</i>	Brilliant Jumping Spider	Arachnids	Preserved specimen	2009-09-10	GBIF	
Salticidae		Jumping Spiders	Arachnids	Human observation	2017-06-13	iNaturalist	
Solifugae		Windscorpion	Arachnids	Human observation	2023-10-13	501 group	
Tetragnathidae	<i>Tetragnatha sp.</i>	Long-Jawed Orbweavers	Arachnids	Human observation	2023-09-01	iNaturalist	
Thomisidae	<i>Misumena vatia</i>	Goldenrod Crab Spider	Arachnids	Human observation	2019-08-28	iNaturalist	
Thomisidae	<i>Misumenini sp.</i>	Crab Spiders	Arachnids	Human observation	2023-10-20	501 group	
Armadillidiidae	<i>Armadillidium vulgare</i>	Common Pill Woodlouse	Arthropods	Human observation	2020-04-26	iNaturalist	
Cambaridae	<i>Faxonius immunis</i>	Calico Crayfish	Arthropods	Human observation	2023-08-17	iNaturalist	
Cambaridae	<i>Faxonius virilis</i>	Virile Crayfish	Arthropods	Human observation	2019-10-26	iNaturalist	
Dugesidae	<i>Girardia sp.</i>	Immigrant Triclad Flatworms	Arthropods	Human observation	2023-08-17	iNaturalist	
Hydridae	<i>Hydra viridissima</i>	Green Hydra	Arthropods	Human observation	2023-09-01	iNaturalist	
Mermithidae	<i>Mermis nigrescens</i>	Grasshopper Nematode	Arthropods	Human observation	2023-07-06	iNaturalist	
Porcellionidae	<i>Porcellionides pruinosus</i>	Powderblues	Arthropods	Human observation	2021-08-04	iNaturalist	
Accipitridae	<i>Accipiter cooperii</i>	Cooper's Hawk	Birds	Human observation	2019-04-14	iNaturalist	

Family	Scientific Name	Common Name	Taxonomic Group	Observed/ Preserved	Observation Date	Source	Status
Accipitridae	<i>Accipiter cooperii/gentilis</i>	Cooper's Hawk/Northern Goshawk	Birds	Human observation	2021-05-31	eBird	
Accipitridae	<i>Accipiter gentilis</i>	Northern Goshawk	Birds	Human observation	2016-12-09	iNaturalist	
Accipitridae	<i>Accipiter sp.</i>	Accipiter sp.	Birds	Human observation	2015-05-18	eBird	
Accipitridae	<i>Accipiter striatus</i>	Sharp-Shinned Hawk	Birds	Human observation	2014-04-08	eBird	
Accipitridae	<i>Accipiter striatus/cooperii</i>	Sharp-shinned/Cooper's Hawk	Birds	Human observation	2016-09-10	eBird	
Accipitridae	<i>Accipitridae sp. (eagle sp.)</i>	Eagle sp.	Birds	Human observation	2022-02-14	eBird	
Accipitridae	<i>Aquila chrysaetos</i>	Golden Eagle	Birds	Human observation	2022-03-28	eBird	G5, S3S4B, S4N, SWAP Tier 1, BGEPA
Accipitridae	<i>Aquila chrysaetos/Haliaeetus leucocephalus</i>	Golden/Bald Eagle	Birds	Human observation	2023-03-20	eBird	
Accipitridae	<i>Buteo jamaicensis</i>	Red-tailed Hawk	Birds	Human observation	2018-04-14	iNaturalist	
Accipitridae	<i>Buteo jamaicensis calurus</i>	Western Red-tailed Hawk	Birds	Human observation	2019-05-03	iNaturalist	
Accipitridae	<i>Buteo lagopus</i>	Rough-legged Hawk	Birds	Human observation	2014-02-11	eBird	
Accipitridae	<i>Buteo platypterus</i>	Broad-winged Hawk	Birds	Human observation	2019-05-23	iNaturalist	
Accipitridae	<i>Buteo regalis</i>	Ferruginous Hawk	Birds	Human observation	2018-02-02	eBird	G4, S3B, S4N, SWAP Tier 2
Accipitridae	<i>Buteo sp.</i>	Buteos	Birds	Human observation	2023-04-09	iNaturalist	
Accipitridae	<i>Buteo swainsoni</i>	Swainson's Hawk	Birds	Human observation	1991-04-27	eBird	G5, S5B, SWAP Tier 2
Accipitridae	<i>Circus hudsonius</i>	Northern Harrier	Birds	Human observation	2014-12-30	eBird	G5, S3B, SWAP Tier 2, USFS
Accipitridae	<i>Haliaeetus leucocephalus</i>	Bald Eagle	Birds	Human observation	2016-12-15	iNaturalist	G5, S1B, S3N, SWAP Tier 2, USFS, BLM, BGEPA
Accipitridae	<i>Parabuteo unicinctus</i>	Harris's Hawk	Birds	Human observation	2018-01-27	eBird	
Accipitridae		Hawk sp.	Birds	Human observation	2023-10-13	501 group	
Aegithalidae	<i>Psaltriparus minimus</i>	Bushtit	Birds	Human observation	2019-11-10	eBird	
Alaudidae	<i>Eremophila alpestris</i>	Horned Lark	Birds	Human observation	2021-11-13	eBird	
Alcedinidae	<i>Megaceryle alcyon</i>	Belted Kingfisher	Birds	Human observation	2016-10-06	iNaturalist	
Anatidae	<i>Aix sponsa</i>	Wood Duck	Birds	Human observation	2016-09-15	iNaturalist	
Anatidae	<i>Anas acuta</i>	Northern Pintail	Birds	Human observation	2016-03-09	eBird	
Anatidae	<i>Anas crecca</i>	Green-winged Teal	Birds	Human observation	2016-11-19	iNaturalist	

Family	Scientific Name	Common Name	Taxonomic Group	Observed/ Preserved	Observation Date	Source	Status
Anatidae	<i>Anas diazi x platyrhynchos</i>	Mallard x Mexican Duck	Birds	Human observation	2016-12-09	iNaturalist	
Anatidae	<i>Anas platyrhynchos</i>	Mallard	Birds	Human observation	2023-10-13	501 group	
Anatidae	<i>Anas platyrhynchos x Mareca strepera</i>	Brewer's Duck	Birds	Human observation	2019-05-02	iNaturalist	
Anatidae	<i>Anas platyrhynchos x diazi</i>	Mallard X Mexican Duck (Hybrid)	Birds	Human observation	2020-12-09	eBird	
Anatidae	<i>Anas platyrhynchos x rubripes</i>	Mallard X American Black Duck (Hybrid)	Birds	Human observation	2020-12-09	eBird	
Anatidae	<i>Anas</i> sp.	Mallards, Pintails, And Allies	Birds	Human observation	2015-02-05	iNaturalist	
Anatidae	<i>Anatidae</i> (duck sp.)	Duck sp.	Birds	Human observation	2022-05-22	eBird	
Anatidae	<i>Anatidae</i> (goose sp.)	Goose sp.	Birds	Human observation	2018-11-08	eBird	
Anatidae	<i>Anatidae</i> sp. (dabbling duck sp.)	Dabbling Duck sp.	Birds	Human observation	2018-02-05	eBird	
Anatidae	<i>Anatidae</i> sp. (teal sp.)	Teal sp.	Birds	Human observation	2019-10-09	eBird	
Anatidae	<i>Anser albifrons</i>	Greater White-fronted Goose	Birds	Human observation	2020-11-25	eBird	
Anatidae	<i>Anser albifrons x Branta hutchinsii</i>	Greater White-fronted X Cackling Goose (Hybrid)	Birds	Human observation	2017-12-29	eBird	
Anatidae	<i>Anser caerulescens</i>	Snow Goose	Birds	Human observation	2021-02-26	eBird	
Anatidae	<i>Anser caerulescens x Branta canadensis</i>	Snow X Canada Goose (Hybrid)	Birds	Human observation	2021-11-14	eBird	
Anatidae	<i>Anser caerulescens x Branta hutchinsii</i>	Snow X Cackling Goose (Hybrid)	Birds	Human observation	2015-11-22	eBird	
Anatidae	<i>Anser caerulescens/rossii x Branta hutchinsii/canadensis</i>	Snow/Ross's X Cackling/Canada Goose (Hybrid)	Birds	Human observation	2021-11-25	eBird	
Anatidae	<i>Anser rossii</i>	Ross's Goose	Birds	Human observation	2018-11-10	eBird	
Anatidae	<i>Aythya affinis</i>	Lesser Scaup	Birds	Human observation	2020-11-08	eBird	
Anatidae	<i>Aythya americana</i>	Redhead	Birds	Human observation	2004-03-28	eBird	
Anatidae	<i>Aythya collaris</i>	Ring-necked Duck	Birds	Human observation	2022-04-10	iNaturalist	
Anatidae	<i>Aythya marila</i>	Greater Scaup	Birds	Human observation	2020-11-07	eBird	
Anatidae	<i>Aythya marila/affinis</i>	Greater/Lesser Scaup	Birds	Human observation	2018-04-14	eBird	
Anatidae	<i>Aythya</i> sp.	<i>Aythya</i> sp.	Birds	Human observation	2020-03-22	eBird	
Anatidae	<i>Aythya valisineria</i>	Canvasback	Birds	Human observation	2013-02-03	eBird	
Anatidae	<i>Branta bernicla</i>	Brant	Birds	Human observation	2021-11-28	eBird	
Anatidae	<i>Branta canadensis</i>	Canada Goose	Birds	Human observation	2017-06-13	iNaturalist	
Anatidae	<i>Branta hutchinsii</i>	Cackling Goose	Birds	Human observation	2016-12-09	iNaturalist	

Family	Scientific Name	Common Name	Taxonomic Group	Observed/ Preserved	Observation Date	Source	Status
Anatidae	<i>Branta hutchinsii/canadensis</i>	Cackling/Canada Goose	Birds	Human observation	2020-11-07	eBird	
Anatidae	<i>Bucephala albeola</i>	Bufflehead	Birds	Human observation	2019-04-27	iNaturalist	
Anatidae	<i>Bucephala clangula</i>	Common Goldeneye	Birds	Human observation	2018-03-03	eBird	
Anatidae	<i>Bucephala clangula/islandica</i>	Common/Barrow's Goldeneye	Birds	Human observation	2016-01-10	eBird	
Anatidae	<i>Bucephala islandica</i>	Barrow's Goldeneye	Birds	Human observation	2008-01-09	eBird	
Anatidae	<i>Clangula hyemalis</i>	Long-tailed Duck	Birds	Human observation	2002-04-18	eBird	
Anatidae	<i>Cygnus buccinator</i>	Trumpeter Swan	Birds	Human observation	2023-01-06	eBird	
Anatidae	<i>Lophodytes cucullatus</i>	Hooded Merganser	Birds	Human observation	2022-02-07	iNaturalist	
Anatidae	<i>Mareca americana</i>	American Wigeon	Birds	Human observation	2016-12-01	iNaturalist	
Anatidae	<i>Mareca americana x Anas platyrhynchos</i>	American Wigeon X Mallard (Hybrid)	Birds	Human observation	2022-02-15	eBird	
Anatidae	<i>Mareca penelope/americana</i>	Eurasian/American Wigeon	Birds	Human observation	2020-05-08	eBird	
Anatidae	<i>Mareca strepera</i>	Gadwall	Birds	Human observation	2016-12-15	iNaturalist	
Anatidae	<i>Melanitta deglandi</i>	White-Winged Scoter	Birds	Human observation	2020-11-03	eBird	
Anatidae	<i>Melanitta perspicillata</i>	Surf Scoter	Birds	Human observation	2021-11-06	eBird	
Anatidae	<i>Mergus merganser</i>	Common Merganser	Birds	Human observation	2020-06-19	iNaturalist	
Anatidae	<i>Mergus merganser americanus</i>	American Common Merganser	Birds	Human observation	2019-04-28	iNaturalist	
Anatidae	<i>Mergus merganser/serrator</i>	Common/Red-breasted Merganser	Birds	Human observation	2023-05-07	eBird	
Anatidae	<i>Mergus serrator</i>	Red-breasted Merganser	Birds	Human observation	2020-04-22	eBird	
Anatidae	<i>Oxyura jamaicensis</i>	Ruddy Duck	Birds	Human observation	2022-11-28	eBird	
Anatidae	<i>Spatula clypeata</i>	Northern Shoveler	Birds	Human observation	2016-12-15	iNaturalist	
Anatidae	<i>Spatula cyanoptera</i>	Cinnamon Teal	Birds	Human observation	2021-04-04	iNaturalist	
Anatidae	<i>Spatula discors</i>	Blue-winged Teal	Birds	Human observation	2020-10-29	eBird	
Anatidae	<i>Spatula discors/cyanoptera</i>	Blue-winged/Cinnamon Teal	Birds	Human observation	2015-09-11	eBird	
Apodidae	<i>Aeronautes saxatalis</i>	White-throated Swift	Birds	Human observation	1989-09-11	eBird	
Apodidae	<i>Chaetura pelagica</i>	Chimney Swift	Birds	Human observation	2018-05-20	eBird	
Ardeidae	<i>Ardea alba</i>	Great Egret	Birds	Human observation	2020-05-30	iNaturalist	
Ardeidae	<i>Ardea herodias</i>	Great Blue Heron	Birds	Human observation	2016-12-09	iNaturalist	
Ardeidae	<i>Ardea/Egretta/Bubulcus</i> sp.	Egret sp.	Birds	Human observation	2014-04-08	eBird	
Ardeidae	<i>Botaurus lentiginosus</i>	American Bittern	Birds	Human observation	2017-08-17	eBird	G4, S3S4B, SWAP Tier 2
Ardeidae	<i>Bubulcus ibis</i>	Cattle Egret	Birds	Human observation	2022-09-22	eBird	
Ardeidae	<i>Butorides virescens</i>	Green Heron	Birds	Human observation	2022-05-20	eBird	

Family	Scientific Name	Common Name	Taxonomic Group	Observed/ Preserved	Observation Date	Source	Status
Ardeidae	<i>Egretta caerulea</i>	Little Blue Heron	Birds	Human observation	1999-05-20	eBird	
Ardeidae	<i>Egretta thula</i>	Snowy Egret	Birds	Human observation	1999-04-26	eBird	
Ardeidae	<i>Nycticorax nycticorax</i>	Black-crowned Night-Heron	Birds	Human observation	1993-05-24	eBird	
Bombycillidae	<i>Bombycilla cedrorum</i>	Cedar Waxwing	Birds	Human observation	2017-05-28	iNaturalist	
Caprimulgidae	<i>Chordeiles minor</i>	Common Nighthawk	Birds	Human observation	2018-09-08	eBird	
Caprimulgidae	<i>Chordeiles sp.</i>	Nighthawk sp.	Birds	Human observation	2019-06-23	eBird	
Caprimulgidae	<i>Phalaenoptilus nuttallii</i>	Common Poorwill	Birds	Human observation	2020-05-17	eBird	
Cardinalidae	<i>Passerina amoena</i>	Lazuli Bunting	Birds	Human observation	2016-06-02	iNaturalist	G5, S5B, SWAP Tier 2
Cardinalidae	<i>Passerina amoena × cyanea</i>	Lazuli × Indigo Bunting	Birds	Human observation	2023-05-30	iNaturalist	
Cardinalidae	<i>Passerina caerulea</i>	Blue Grosbeak	Birds	Human observation	2014-08-25	eBird	
Cardinalidae	<i>Pheucticus ludovicianus</i>	Rose-breasted Grosbeak	Birds	Human observation	2020-06-18	eBird	
Cardinalidae	<i>Pheucticus ludovicianus × melanocephalus</i>	Rose-breasted X Black-headed Grosbeak (Hybrid)	Birds	Human observation	2020-05-08	eBird	
Cardinalidae	<i>Pheucticus melanocephalus</i>	Black-headed Grosbeak	Birds	Human observation	2018-05-20	eBird	
Cardinalidae	<i>Piranga ludoviciana</i>	Western Tanager	Birds	Human observation	2022-05-20	eBird	
Cardinalidae	<i>Piranga rubra</i>	Summer Tanager	Birds	Human observation	2020-05-09	eBird	
Cathartidae	<i>Cathartes aura</i>	Turkey Vulture	Birds	Human observation	2021-09-26	iNaturalist	
Cathartidae	<i>Catharus guttatus</i>	Hermit Thrush	Birds	Human observation	2016-10-14	eBird	
Cathartidae	<i>Catharus minimus</i>	Gray-cheeked Thrush	Birds	Human observation	2020-05-21	eBird	
Cathartidae	<i>Catharus sp.</i>	Catharus sp.	Birds	Human observation	2018-05-21	eBird	
Certhiidae	<i>Certhia americana</i>	Brown Creeper	Birds	Human observation	2021-01-31	eBird	
Certhiidae	<i>Poliptila caerulea</i>	Blue-gray Gnatcatcher	Birds	Human observation	2014-05-09	eBird	
Charadriidae	<i>Charadriidae sp.</i>	Plover sp.	Birds	Human observation	2023-03-21	eBird	
Charadriidae	<i>Charadriiformes sp.</i>	Shorebird sp.	Birds	Human observation	2019-09-07	eBird	
Charadriidae	<i>Charadrius semipalmatus</i>	Semipalmated Plover	Birds	Human observation	2020-04-23	eBird	
Charadriidae	<i>Charadrius vociferus</i>	Killdeer	Birds	Human observation	2019-05-06	iNaturalist	
Cinclidae	<i>Cinclus mexicanus</i>	American Dipper	Birds	Human observation	2023-02-18	eBird	
Columbidae	<i>Columba livia</i>	Rock Pigeon	Birds	Human observation	2014-02-22	eBird	
Columbidae	<i>Columbidae sp.</i>	Pigeon/Dove sp.	Birds	Human observation	2020-05-12	eBird	
Columbidae	<i>Patagioenas fasciata</i>	Band-tailed Pigeon	Birds	Human observation	2014-10-05	eBird	
Columbidae	<i>Streptopelia decaocto</i>	Eurasian Collared-Dove	Birds	Human observation	2019-02-09	eBird	
Columbidae	<i>Zenaida asiatica</i>	White-winged Dove	Birds	Human observation	2019-05-14	eBird	
Columbidae	<i>Zenaida macroura</i>	Mourning Dove	Birds	Human observation	2020-07-05	iNaturalist	
Corvidae	<i>Corvus brachyrhynchos</i>	American Crow	Birds	Human observation	1997-04-13	eBird	
Corvidae	<i>Corvus corax</i>	Common Raven	Birds	Human observation	2017-12-20	eBird	

Family	Scientific Name	Common Name	Taxonomic Group	Observed/ Preserved	Observation Date	Source	Status
Corvidae	<i>Corvus</i> sp.	Crow/Raven sp.	Birds	Human observation	2020-04-25	eBird	
Corvidae	<i>Cyanocitta cristata</i>	Blue Jay	Birds	Human observation	2017-06-12	iNaturalist	
Corvidae	<i>Cyanocitta stelleri</i>	Steller's Jay	Birds	Human observation	2016-08-15	eBird	
Corvidae	<i>Gymnorhinus cyanocephalus</i>	Pinyon Jay	Birds	Human observation	2022-10-05	eBird	G5, S5, SWAP Tier 2
Corvidae	<i>Pica hudsonia</i>	Black-billed Magpie	Birds	Human observation	2015-11-24	eBird	
Corvidae	<i>Perisoreus canadensis</i>	Canada Jay	Birds	Human observation	2022-02-14	eBird	
Cuculidae	<i>Coccyzus americanus</i>	Yellowbilled Cuckoo	Birds	Human observation	1986-06-09	eBird	
Cuculidae	<i>Coccyzus erythrophthalmus</i>	Black-billed Cuckoo	Birds	Human observation	2001-06-10	eBird	
Falconidae	<i>Falco columbarius</i>	Merlin	Birds	Human observation	2020-04-19	iNaturalist	
Falconidae	<i>Falco mexicanus</i>	Prairie Falcon	Birds	Human observation	2016-05-14	eBird	G5, S4B, S4N, SWAP Tier 2
Falconidae	<i>Falco peregrinus</i>	Peregrine Falcon	Birds	Human observation	2020-04-11	iNaturalist	G4T4, S2B, SWAP Tier 2
Falconidae	<i>Falco</i> sp.	Falcon sp.	Birds	Human observation	2018-09-21	eBird	
Falconidae	<i>Falco</i> sp. (large falcon sp.)	Large Falcon sp.	Birds	Human observation	2022-02-20	eBird	
Falconidae	<i>Falco</i> sp. (small falcon sp.)	Small Falcon sp.	Birds	Human observation	2015-01-27	eBird	
Falconidae	<i>Falco sparverius</i>	American Kestrel	Birds	Human observation	2016-12-13	iNaturalist	
Fringillida	<i>Loxia curvirostra</i>	Red Crossbill	Birds	Human observation	2020-05-21	eBird	
Fringillidae	<i>Acanthis flammea</i>	Common Redpoll	Birds	Human observation	2022-01-22	eBird	
Fringillidae	<i>Coccothraustes vespertinus</i>	Evening Grosbeak	Birds	Human observation	1996-11-15	eBird	
Fringillidae	<i>Fringillidae</i> sp.	Finch sp.	Birds	Human observation	2022-02-14	eBird	
Fringillidae	<i>Haemorhous cassinii</i>	Cassin's Finch	Birds	Human observation	2023-02-13	eBird	G5, S5, SWAP Tier 2
Fringillidae	<i>Haemorhous mexicanus</i>	House Finch	Birds	Human observation	2017-06-12	iNaturalist	
Fringillidae	<i>Spinus pinus</i>	Pine Siskin	Birds	Human observation	2011-03-04	eBird	
Fringillidae	<i>Spinus psaltria</i>	Lesser Goldfinch	Birds	Human observation	2022-07-01	eBird	
Fringillidae	<i>Spinus tristis</i>	American Goldfinch	Birds	Human observation	2021-12-27	iNaturalist	
Gruidae	<i>Antigone canadensis</i>	Sandhill Crane	Birds	Human observation	2019-03-26	iNaturalist	G5T4, S2B, S4N, SWAP Tier 1
Hirundinidae	<i>Hirundinidae</i> sp.	Swallow sp.	Birds	Human observation	2020-05-24	eBird	
Hirundinidae	<i>Hirundo rustica</i>	Barn Swallow	Birds	Human observation	2019-07-11	iNaturalist	
Hirundinidae	<i>Petrochelidon pyrrhonota</i>	Cliff Swallow	Birds	Human observation	2022-05-20	iNaturalist	
Hirundinidae	<i>Riparia riparia</i>	Bank Swallow	Birds	Human observation	2021-05-17	eBird	

Family	Scientific Name	Common Name	Taxonomic Group	Observed/ Preserved	Observation Date	Source	Status
Hirundinidae	<i>Stelgidopteryx serripennis</i>	Northern Rough-winged Swallow	Birds	Human observation	2022-04-24	iNaturalist	
Hirundinidae	<i>Tachycineta bicolor</i>	Tree Swallow	Birds	Human observation	2018-04-14	iNaturalist	
Hirundinidae	<i>Tachycineta bicolor/thalassina</i>	Tree/Violet-green Swallow	Birds	Human observation	2020-04-24	eBird	
Hirundinidae	<i>Tachycineta thalassina</i>	Violet-green Swallow	Birds	Human observation	2018-04-14	iNaturalist	
Icteridae	<i>Agelaius phoeniceus</i>	Red-winged Blackbird	Birds	Human observation	2017-06-16	iNaturalist	
Icteridae	<i>Euphagus carolinus</i>	Rusty Blackbird	Birds	Human observation	2020-11-08	eBird	
Icteridae	<i>Euphagus carolinus/cyanocephalus</i>	Rusty/Brewer's Blackbird	Birds	Human observation	2023-04-18	eBird	
Icteridae	<i>Euphagus cyanocephalus</i>	Brewer's Blackbird	Birds	Human observation	1979-09-15	eBird	
Icteridae	<i>Icteridae sp.</i>	Blackbird sp.	Birds	Human observation	2018-02-20	eBird	
Icteridae	<i>Icterus bullockii</i>	Bullock's Oriole	Birds	Human observation	2017-05-28	iNaturalist	
Icteridae	<i>Icterus bullockii/galbula</i>	Bullock's/Baltimore Oriole	Birds	Human observation	2018-05-20	eBird	
Icteridae	<i>Icterus sp.</i>	New World Oriole sp.	Birds	Human observation	2015-09-08	eBird	
Icteridae	<i>Icterus spurius</i>	Orchard Oriole	Birds	Human observation	2018-05-21	eBird	
Icteridae	<i>Molothrus ater</i>	Brown-headed Cowbird	Birds	Human observation	2020-05-09	eBird	
Icteridae	<i>Quiscalus mexicanus</i>	Great-tailed Grackle	Birds	Human observation	2019-05-28	eBird	
Icteridae	<i>Quiscalus quiscula</i>	Common Grackle	Birds	Human observation	2017-06-16	iNaturalist	
Icteridae	<i>Quiscalus sp.</i>	Grackle sp.	Birds	Human observation	2021-05-31	eBird	
Icteridae	<i>Sturnella neglecta</i>	Western Meadowlark	Birds	Human observation	1979-09-15	eBird	
Icteridae	<i>Sturnella sp.</i>	Sturnella Meadowlark sp.	Birds	Human observation	2017-06-03	eBird	
Icteridae	<i>Xanthocephalus xanthocephalus</i>	Yellow-headed Blackbird	Birds	Human observation	2019-04-21	iNaturalist	
Laniidae	<i>Lanius borealis</i>	Northern Shrike	Birds	Human observation	2019-02-26	iNaturalist	
Laniidae	<i>Lanius ludovicianus</i>	Loggerhead Shrike	Birds	Human observation	2013-05-05	eBird	G4, S3S4B, SWAP Tier 2
Laniidae	<i>Lanius ludovicianus/borealis</i>	Loggerhead/Northern Shrike	Birds	Human observation	2023-02-14	eBird	
Laridae	<i>Chroicocephalus philadelphia</i>	Bonaparte's Gull	Birds	Human observation	2022-04-30	eBird	
Laridae	<i>Hydroprogne caspia</i>	Caspian Tern	Birds	Human observation	2020-05-22	eBird	
Laridae	<i>Leucophaeus pipixcan</i>	Franklin's Gull	Birds	Human observation	2018-04-29	eBird	
Laridae	<i>Sterna forsteri</i>	Forster's Tern	Birds	Human observation	2020-05-12	eBird	
Laridae	<i>Sterninae sp.</i>	Tern sp.	Birds	Human observation	2014-05-18	eBird	
Larinae	<i>Larinae sp.</i>	Gull sp.	Birds	Human observation	2022-03-22	eBird	
Larinae	<i>Larus argentatus</i>	Herring Gull	Birds	Human observation	2021-03-04	eBird	
Larinae	<i>Larus californicus</i>	California Gull	Birds	Human observation	2023-03-21	eBird	

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Larinae	<i>Larus delawarensis</i>	Ring-billed Gull	Birds	Human observation	2018-03-18	eBird	
Larinae	<i>Larus fuscus</i>	Lesser Black-backed Gull	Birds	Human observation	2021-03-20	eBird	
Larinae	<i>Larus sp.</i>	Larus sp.	Birds	Human observation	2021-11-10	eBird	
Mimidae	<i>Dumetella carolinensis</i>	Gray Catbird	Birds	Human observation	2021-11-07	iNaturalist	
Mimidae	<i>Mimus polyglottos</i>	Northern Mockingbird	Birds	Human observation	2023-05-13	eBird	
Mimidae	<i>Oreoscoptes montanus</i>	Sage Thrasher	Birds	Human observation	2020-08-25	eBird	
Mimidae	<i>Toxostoma curvirostre</i>	Curve-billed Thrasher	Birds	Human observation	2004-05-06	eBird	
Mimidae	<i>Toxostoma rufum</i>	Brown Thrasher	Birds	Human observation	1990-07-01	eBird	
Motacillidae	<i>Anthus rubescens</i>	American Pipit	Birds	Human observation	2020-10-27	eBird	
Pandionidae	<i>Pandion haliaetus</i>	Osprey	Birds	Human observation	2017-06-16	iNaturalist	
Paridae	<i>Poecile atricapillus</i>	Black-capped Chickadee	Birds	Human observation	2023-10-13	501 group	
Paridae	<i>Poecile atricapillus/gambeli</i>	Black-capped/Mountain Chickadee	Birds	Human observation	2022-02-14	eBird	
Paridae	<i>Poecile gambeli</i>	Mountain Chickadee	Birds	Human observation	2000-11-03	eBird	
Paridae	<i>Poecile sp.</i>	Chickadee sp.	Birds	Human observation	2018-01-20	eBird	
Parulidae	<i>Cardellina pusilla</i>	Wilson's Warbler	Birds	Human observation	1995-05-20	eBird	
Parulidae	<i>Geothlypis tolmiei</i>	Macgillivray's Warbler	Birds	Human observation	2017-08-21	eBird	
Parulidae	<i>Geothlypis tolmiei/philadelphia</i>	Macgillivray's/Mourning Warbler	Birds	Human observation	2015-09-06	eBird	
Parulidae	<i>Geothlypis trichas</i>	Common Yellowthroat	Birds	Human observation	2022-05-24	iNaturalist	
Parulidae	<i>Icteria virens</i>	Yellow-breasted Chat	Birds	Human observation	1993-05-29	eBird	
Parulidae	<i>Leiothlypis celata</i>	Orange-crowned Warbler	Birds	Human observation	2020-05-09	eBird	
Parulidae	<i>Leiothlypis peregrina</i>	Tennessee Warbler	Birds	Human observation	2016-05-15	eBird	
Parulidae	<i>Leiothlypis ruficapilla</i>	Nashville Warbler	Birds	Human observation	2013-05-11	eBird	
Parulidae	<i>Leiothlypis virginiae</i>	Virginia's Warbler	Birds	Human observation	2016-05-18	eBird	G5, S5, SWAP Tier 2
Parulidae	<i>Mniotilta varia</i>	Black-and-white Warbler	Birds	Human observation	2017-11-26	iNaturalist	
Parulidae	<i>Parkesia noveboracensis</i>	Northern Waterthrush	Birds	Human observation	2021-12-26	iNaturalist	
Parulidae	<i>Parulidae sp.</i>	New World Warbler sp.	Birds	Human observation	2015-05-17	eBird	
Parulidae	<i>Protonotaria citrea</i>	Prothonotary Warbler	Birds	Human observation	2019-09-22	eBird	
Parulidae	<i>Seiurus aurocapilla</i>	Ovenbird	Birds	Human observation	2019-05-15	GBIF	
Parulidae	<i>Setophaga americana</i>	Northern Parula	Birds	Human observation	2015-05-25	eBird	
Parulidae	<i>Setophaga caerulescens</i>	Black-throated Blue Warbler	Birds	Human observation	1994-11-02	eBird	
Parulidae	<i>Setophaga castanea</i>	Bay-breasted Warbler	Birds	Human observation	2016-05-08	eBird	
Parulidae	<i>Setophaga citrina</i>	Hooded Warbler	Birds	Human observation	2020-05-17	eBird	
Parulidae	<i>Setophaga coronata</i>	Yellow-rumped Warbler	Birds	Human observation	2020-04-25	iNaturalist	
Parulidae	<i>Setophaga coronata auduboni</i>	Audubon's Warbler	Birds	Human observation	2020-04-25	iNaturalist	

Family	Scientific Name	Common Name	Taxonomic Group	Observed/ Preserved	Observation Date	Source	Status
Parulidae	<i>Setophaga coronata coronata</i>	Myrtle Warbler	Birds	Human observation	2019-05-04	iNaturalist	
Parulidae	<i>Setophaga fusca</i>	Blackburnian Warbler	Birds	Human observation	2000-05-09	eBird	
Parulidae	<i>Setophaga magnolia</i>	Magnolia Warbler	Birds	Human observation	2020-05-16	iNaturalist	
Parulidae	<i>Setophaga nigrescens</i>	Black-throated Gray Warbler	Birds	Human observation	2016-05-08	eBird	
Parulidae	<i>Setophaga palmarum</i>	Palm Warbler	Birds	Human observation	2000-11-03	eBird	
Parulidae	<i>Setophaga pensylvanica</i>	Chestnut-sided Warbler	Birds	Human observation	2018-05-20	eBird	
Parulidae	<i>Setophaga petechia</i>	Yellow Warbler	Birds	Human observation	2020-05-15	eBird	
Parulidae	<i>Setophaga ruticilla</i>	American Redstart	Birds	Human observation	2003-08-07	eBird	
Parulidae	<i>Setophaga striata</i>	Blackpoll Warbler	Birds	Human observation	2020-05-16	eBird	
Parulidae	<i>Setophaga townsendi</i>	Townsend's Warbler	Birds	Human observation	2013-05-09	eBird	
Parulidae	<i>Setophaga virens</i>	Black-throated Green Warbler	Birds	Human observation	2004-05-29	eBird	
Passerellidae	<i>Ammodramus savannarum</i>	Grasshopper Sparrow	Birds	Human observation	2015-07-23	eBird	G5, S3S4B, SWAP Tier 2
Passerellidae	<i>Calamospiza melanocorys</i>	Lark Bunting	Birds	Human observation	2014-05-12	eBird	G5, S4, SWAP Tier 2
Passerellidae	<i>Chondestes grammacus</i>	Lark Sparrow	Birds	Human observation	2020-06-14	eBird	
Passerellidae	<i>Junco hyemalis</i>	Dark-eyed Junco	Birds	Human observation	2016-10-13	iNaturalist	
Passerellidae	<i>Melospiza georgiana</i>	Swamp Sparrow	Birds	Human observation	2004-03-28	eBird	
Passerellidae	<i>Melospiza lincolni</i>	Lincoln's Sparrow	Birds	Human observation	2020-10-27	eBird	
Passerellidae	<i>Melospiza melodia</i>	Song Sparrow	Birds	Human observation	2019-04-15	iNaturalist	
Passerellidae	<i>Passerculus sandwichensis</i>	Savannah Sparrow	Birds	Human observation	2018-05-13	eBird	
Passerellidae	<i>Passerella iliaca</i>	Fox Sparrow	Birds	Human observation	2018-01-28	eBird	
Passerellidae	<i>Passerella iliaca iliaca</i>	Eastern Red Fox Sparrow	Birds	Human observation	2018-01-08	iNaturalist	
Passerellidae	<i>Passerellidae sp.</i>	New World Sparrow sp.	Birds	Human observation	2020-12-05	eBird	
Passerellidae	<i>Pipilo chlorurus</i>	Green-tailed Towhee	Birds	Human observation	2014-05-15	eBird	
Passerellidae	<i>Pipilo maculatus</i>	Spotted Towhee	Birds	Human observation	2020-09-04	eBird	
Passerellidae	<i>Pipilo maculatus/erythrophthalmus</i>	Spotted/Eastern Towhee (Rufous-Sided Towhee)	Birds	Human observation	2022-04-28	eBird	
Passerellidae	<i>Poocetes gramineus</i>	Vesper Sparrow	Birds	Human observation	2019-05-05	eBird	
Passerellidae	<i>Spizella breweri</i>	Brewer's Sparrow	Birds	Human observation	2019-05-04	iNaturalist	G5, S4B, SWAP Tier 2
Passerellidae	<i>Spizella pallida</i>	Clay-colored Sparrow	Birds	Human observation	2019-05-04	iNaturalist	
Passerellidae	<i>Spizella passerina</i>	Chipping Sparrow	Birds	Human observation	2020-04-30	iNaturalist	
Passerellidae	<i>Spizella pusilla</i>	Field Sparrow	Birds	Human observation	2021-01-23	eBird	
Passerellidae	<i>Spizella sp.</i>	Spizella sp.	Birds	Human observation	2020-05-08	eBird	

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Passerellidae	<i>Spizella/Spizelloides</i> sp.	Spizella sp./American Tree Sparrow	Birds	Human observation	2020-05-09	eBird	
Passerellidae	<i>Spizelloides arborea</i>	American Tree Sparrow	Birds	Human observation	2018-02-19	iNaturalist	
Passerellidae	<i>Zonotrichia albicollis</i>	White-throated Sparrow	Birds	Human observation	2022-10-09	eBird	
Passerellidae	<i>Zonotrichia leucophrys</i>	White-crowned Sparrow	Birds	Human observation	2022-12-23	eBird	
Passerellidae	<i>Zonotrichia querula</i>	Harris's Sparrow	Birds	Human observation	2022-11-08	eBird	
Passeridae	<i>Passer domesticus</i>	House Sparrow	Birds	Human observation	2011-08-13	eBird	
Passeridae		Old World Sparrows	Birds	Human observation	2017-06-16	iNaturalist	
Pelecanidae	<i>Pelecanus erythrorhynchos</i>	American White Pelican	Birds	Human observation	2017-06-12	iNaturalist	G4, S1B, SWAP Tier 2
Phalacrocoracidae	<i>Nannopterum auritum</i>	Double-crested Cormorant	Birds	Human observation	2020-06-19	iNaturalist	
Phalacrocoracidae	<i>Nannopterum auritum/brasilianum</i>	Double-crested/Neotropic Cormorant	Birds	Human observation	2020-10-12	eBird	
Phasianidae	<i>Alectoris chukar</i>	Chukar	Birds	Human observation	2019-05-25	eBird	
Phasianidae	<i>Meleagris gallopavo</i>	Wild Turkey	Birds	Human observation	2023-10-13	501 group	
Phasianidae	<i>Phasianus colchicus</i>	Ring-necked Pheasant	Birds	Human observation	2008-06-07	eBird	
Picidae	<i>Colaptes auratus</i>	Northern Flicker	Birds	Human observation	2023-10-20	501 group	
Picidae	<i>Dryobates pubescens</i>	Downy Woodpecker	Birds	Human observation	2016-11-06	iNaturalist	
Picidae	<i>Dryobates pubescens/villosus</i>	Downy/Hairy Woodpecker	Birds	Human observation	2023-02-14	eBird	
Picidae	<i>Dryobates villosus</i>	Hairy Woodpecker	Birds	Human observation	2020-04-24	iNaturalist	
Picidae	<i>Melanerpes carolinus</i>	Red-bellied Woodpecker	Birds	Human observation	1992-01-02	eBird	
Picidae	<i>Melanerpes erythrocephalus</i>	Red-headed Woodpecker	Birds	Human observation	2019-05-28	iNaturalist	
Picidae	<i>Picidae</i> sp.	Woodpecker sp.	Birds	Human observation	2020-04-25	eBird	
Picidae	<i>Sphyrapicus nuchalis</i>	Red-naped Sapsucker	Birds	Human observation	2016-09-29	iNaturalist	
Podicipedidae	<i>Aechmophorus clarkii</i>	Clark's Grebe	Birds	Human observation	2005-05-07	eBird	
Podicipedidae	<i>Aechmophorus occidentalis</i>	Western Grebe	Birds	Human observation	2021-04-26	iNaturalist	
Podicipedidae	<i>Podiceps auritus</i>	Horned Grebe	Birds	Human observation	2020-11-17	eBird	
Podicipedidae	<i>Podiceps nigricollis</i>	Eared Grebe	Birds	Human observation	2023-05-14	eBird	
Podicipedidae	<i>Podicipedidae</i> sp.	Grebe sp.	Birds	Human observation	2020-11-21	eBird	
Podicipedidae	<i>Podilymbus podiceps</i>	Pied-billed Grebe	Birds	Human observation	2016-08-24	eBird	
Rallidae	<i>Fulica americana</i>	American Coot	Birds	Human observation	2016-12-09	iNaturalist	
Rallidae	<i>Porzana carolina</i>	Sora	Birds	Human observation	2016-09-17	eBird	
Rallidae	<i>Rallus limicola</i>	Virginia Rail	Birds	Human observation	2022-04-02	eBird	
Recurvirostridae	<i>Himantopus mexicanus</i>	Black-necked Stilt	Birds	Human observation	2021-05-18	eBird	
Recurvirostridae	<i>Recurvirostra americana</i>	American Avocet	Birds	Human observation	1998-04-21	eBird	
Regulidae	<i>Corthylio calendula</i>	Ruby-crowned Kinglet	Birds	Human observation	2018-01-26	eBird	

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Regulidae	<i>Regulus satrapa</i>	Golden-crowned Kinglet	Birds	Human observation	2010-10-30	eBird	
Scolopacidae	<i>Actitis macularius</i>	Spotted Sandpiper	Birds	Human observation	2016-05-15	eBird	
Scolopacidae	<i>Calidris mauri</i>	Western Sandpiper	Birds	Human observation	1991-04-27	eBird	
Scolopacidae	<i>Calidris minutilla</i>	Least Sandpiper	Birds	Human observation	2020-04-20	eBird	
Scolopacidae	<i>Calidris pusilla</i>	Semipalmated Sandpiper	Birds	Human observation	2020-04-20	eBird	
Scolopacidae	<i>Calidris</i> sp.	Peep sp.	Birds	Human observation	2020-04-21	eBird	
Scolopacidae	<i>Gallinago delicata</i>	Wilson's Snipe	Birds	Human observation	2006-02-06	iNaturalist	
Scolopacidae	<i>Gallinula galeata</i>	Common Gallinule	Birds	Human observation	2018-07-07	eBird	
Scolopacidae	<i>Limnodromus scolopaceus</i>	Long-billed Dowitcher	Birds	Human observation	2022-05-07	eBird	
Scolopacidae	<i>Limosa fedoa</i>	Marbled Godwit	Birds	Human observation	1984-04-30	eBird	
Scolopacidae	<i>Numenius americanus</i>	Long-billed Curlew	Birds	Human observation	2020-04-16	eBird	G5, S2B, SWAP Tier 2
Scolopacidae	<i>Numenius phaeopus</i>	Whimbrel	Birds	Human observation	2020-04-25	eBird	
Scolopacidae	<i>Phalaropus tricolor</i>	Wilson's Phalarope	Birds	Human observation	1996-05-01	eBird	
Scolopacidae	<i>Tringa flavipes</i>	Lesser Yellowlegs	Birds	Human observation	1991-04-27	eBird	
Scolopacidae	<i>Tringa melanoleuca</i>	Greater Yellowlegs	Birds	Human observation	2023-04-10	eBird	
Scolopacidae	<i>Tringa melanoleuca/flavipes</i>	Greater/Lesser Yellowlegs	Birds	Human observation	2018-08-27	eBird	
Scolopacidae	<i>Tringa semipalmata</i>	Willet	Birds	Human observation	1984-04-30	eBird	
Scolopacidae	<i>Tringa solitaria</i>	Solitary Sandpiper	Birds	Human observation	2019-05-04	iNaturalist	
Sittidae	<i>Sitta canadensis</i>	Red-breasted Nuthatch	Birds	Human observation	2018-01-08	eBird	
Sittidae	<i>Sitta carolinensis</i>	White-breasted Nuthatch	Birds	Human observation	2022-02-14	eBird	
Sittidae	<i>Sitta pygmaea</i>	Pygmy Nuthatch	Birds	Human observation	2023-02-13	eBird	
Sittidae	<i>Sitta</i> sp.	Nuthatch sp.	Birds	Human observation	2022-03-28	eBird	
Strigidae	<i>Aegolius acadicus</i>	Northern Saw-whet Owl	Birds	Human observation	2004-04-04	eBird	
Strigidae	<i>Asio otus/flammeus</i>	Long-eared/Short-eared Owl	Birds	Human observation	2022-03-27	eBird	
Strigidae	<i>Bubo virginianus</i>	Great Horned Owl	Birds	Human observation	2016-10-06	iNaturalist	
Strigidae	<i>Megascops asio</i>	Eastern Screech-Owl	Birds	Human observation	2016-11-06	iNaturalist	
Sturnidae	<i>Sturnus vulgaris</i>	European Starling	Birds	Human observation	2016-12-09	iNaturalist	
Thraupidae	<i>Piranga olivacea</i>	Scarlet Tanager	Birds	Human observation	2016-05-11	eBird	
Thraupidae	<i>Piranga</i> sp.	Tanager sp. (<i>Piranga</i> sp.)	Birds	Human observation	2018-05-20	eBird	
Threskiornithidae	<i>Plegadis chihi</i>	White-faced Ibis	Birds	Human observation	2005-05-07	eBird	G5, S2B, SWAP Tier 2
Threskiornithidae	<i>Plegadis falcinellus</i>	Glossy Ibis	Birds	Human observation	2001-04-25	eBird	
Threskiornithidae	<i>Plegadis falcinellus/chihi</i>	Glossy/White-faced Ibis	Birds	Human observation	2018-06-11	eBird	
Trochilidae	<i>Archilochus alexandri</i>	Black-chinned Hummingbird	Birds	Human observation	2020-09-04	eBird	
Trochilidae	<i>Selasphorus calliope</i>	Calliope Hummingbird	Birds	Human observation	2017-08-18	eBird	

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Trochilidae	<i>Selasphorus platycercus</i>	Broad-tailed Hummingbird	Birds	Human observation	2022-05-21	eBird	
Trochilidae	<i>Selasphorus rufus</i>	Rufous Hummingbird	Birds	Human observation	2015-09-08	eBird	G5, SNA, SWAP Tier 2
Trochilidae	<i>Selasphorus rufus/sasin</i>	Rufous/Allen's Hummingbird	Birds	Human observation	2019-08-04	eBird	
Trochilidae	<i>Selasphorus sp.</i>	Hummingbird sp.	Birds	Human observation	2018-08-27	eBird	
Trochilidae	<i>Trochilidae sp.</i>	Hummingbird sp.	Birds	Human observation	2018-05-24	eBird	
Troglodytidae	<i>Cistothorus palustris</i>	Marsh Wren	Birds	Human observation	2015-09-11	eBird	
Troglodytidae	<i>Salpinctes obsoletus</i>	Rock Wren	Birds	Human observation	2020-06-20	eBird	
Troglodytidae	<i>Thryomanes bewickii</i>	Bewick's Wren	Birds	Human observation	2001-07-07	eBird	
Troglodytidae	<i>Troglodytes aedon</i>	House Wren	Birds	Human observation	2017-06-12	iNaturalist	
Troglodytidae	<i>Troglodytes hiemalis</i>	Winter Wren	Birds	Human observation	2020-11-08	eBird	
Troglodytidae	<i>Troglodytes pacificus</i>	Pacific Wren	Birds	Human observation	2006-03-23	eBird	
Troglodytidae	<i>Troglodytidae sp.</i>	Wren sp.	Birds	Human observation	2018-09-06	eBird	
Turdidae	<i>Catharus fuscescens</i>	Veery	Birds	Human observation	2022-05-23	eBird	
Turdidae	<i>Catharus ustulatus</i>	Swainson's Thrush	Birds	Human observation	2017-05-28	iNaturalist	
Turdidae	<i>Myadestes townsendi</i>	Townsend's Solitaire	Birds	Human observation	2016-10-06	iNaturalist	
Turdidae	<i>Sialia currucoides</i>	Mountain Bluebird	Birds	Human observation	2020-04-27	iNaturalist	
Turdidae	<i>Sialia mexicana</i>	Western Bluebird	Birds	Human observation	2018-05-22	eBird	
Turdidae	<i>Sialia sialis</i>	Eastern Bluebird	Birds	Human observation	2022-01-26	eBird	
Turdidae	<i>Sialia sp.</i>	Bluebird sp.	Birds	Human observation	2018-09-08	eBird	
Turdidae	<i>Turdidae sp.</i>	Thrush sp.	Birds	Human observation	2015-05-18	eBird	
Turdidae	<i>Turdus migratorius</i>	American Robin	Birds	Human observation	2017-06-12	iNaturalist	
Tyrannidae	<i>Contopus cooperi</i>	Olive-sided Flycatcher	Birds	Human observation	2015-05-27	eBird	
Tyrannidae	<i>Contopus sordidulus</i>	Western Wood-Pewee	Birds	Human observation	2022-05-22	iNaturalist	
Tyrannidae	<i>Contopus sp.</i>	Pewee sp. (Contopus sp.)	Birds	Human observation	1991-06-01	eBird	
Tyrannidae	<i>Empidonax alnorum/traillii</i>	Alder/Willow Flycatcher (Traill's Flycatcher)	Birds	Human observation	2016-05-23	eBird	
Tyrannidae	<i>Empidonax difficilis/occidentalis</i>	Pacific-slope/Cordilleran Flycatcher (Western Flycatcher)	Birds	Human observation	1989-09-14	eBird	
Tyrannidae	<i>Empidonax hammondii</i>	Hammond's Flycatcher	Birds	Human observation	2015-09-06	eBird	
Tyrannidae	<i>Empidonax hammondii/oberholseri</i>	Hammond's/Dusky Flycatcher	Birds	Human observation	2017-05-24	eBird	
Tyrannidae	<i>Empidonax minimus</i>	Least Flycatcher	Birds	Human observation	2023-05-05	eBird	
Tyrannidae	<i>Empidonax oberholseri</i>	Dusky Flycatcher	Birds	Human observation	2022-05-08	eBird	
Tyrannidae	<i>Empidonax occidentalis</i>	Cordilleran Flycatcher	Birds	Human observation	2019-05-29	eBird	
Tyrannidae	<i>Empidonax sp.</i>	Empidonax sp.	Birds	Human observation	2020-05-12	eBird	
Tyrannidae	<i>Empidonax traillii</i>	Willow Flycatcher	Birds	Human observation	1990-06-13	eBird	
Tyrannidae	<i>Empidonax wrightii</i>	Gray Flycatcher	Birds	Human observation	2020-05-09	eBird	

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Tyrannidae	<i>Empidonax wrightii/oberholseri</i>	Gray/Dusky Flycatcher	Birds	Human observation	2020-08-21	eBird	
Tyrannidae	<i>Myiarchus cinerascens</i>	Ash-throated Flycatcher	Birds	Human observation	2020-06-18	eBird	
Tyrannidae	<i>Myiarchus crinitus</i>	Great Crested Flycatcher	Birds	Human observation	2019-05-17	eBird	
Tyrannidae	<i>Myiarchus sp.</i>	Myiarchus sp.	Birds	Human observation	2020-05-20	eBird	
Tyrannidae	<i>Sayornis nigricans</i>	Black Phoebe	Birds	Human observation	2020-04-20	iNaturalist	
Tyrannidae	<i>Sayornis phoebe</i>	Eastern Phoebe	Birds	Human observation	2021-01-24	eBird	
Tyrannidae	<i>Sayornis saya</i>	Say's Phoebe	Birds	Human observation	2019-05-04	iNaturalist	
Tyrannidae	<i>Tyrannidae sp.</i>	New World Flycatcher sp.	Birds	Human observation	2016-06-03	eBird	
Tyrannidae	<i>Tyrannus sp.</i>	Kingbirds	Birds	Human observation	2021-06-13	iNaturalist	
Tyrannidae	<i>Tyrannus tyrannus</i>	Eastern Kingbird	Birds	Human observation	2017-05-28	iNaturalist	
Tyrannidae	<i>Tyrannus verticalis</i>	Western Kingbird	Birds	Human observation	1979-09-15	eBird	
Tyrannidae	<i>Tyrannus vociferans/verticalis</i>	Cassin's/Western Kingbird	Birds	Human observation	2017-05-28	eBird	
Tytonidae	<i>Tyto alba</i>	Barn Owl	Birds	Human observation	2009-11-06	eBird	
Vireonidae	<i>Vireo cassinii</i>	Cassin's Vireo	Birds	Human observation	2015-09-08	eBird	
Vireonidae	<i>Vireo cassinii/ solitarius/plumbeus</i>	Solitary Vireo sp.	Birds	Human observation	2015-05-25	eBird	
Vireonidae	<i>Vireo flavifrons</i>	Yellow-throated Vireo	Birds	Human observation	2020-05-04	eBird	
Vireonidae	<i>Vireo gilvus</i>	Warbling Vireo	Birds	Human observation	2019-05-22	eBird	
Vireonidae	<i>Vireo olivaceus</i>	Red-eyed Vireo	Birds	Human observation	1998-09-10	eBird	
Vireonidae	<i>Vireo plumbeus</i>	Plumbeous Vireo	Birds	Human observation	2021-05-17	eBird	
Vireonidae	<i>Vireo sp.</i>	Vireo sp.	Birds	Human observation	2021-08-22	eBird	
Catostomidae	<i>Catostomus catostomus</i>	Longnose Sucker	Fish	Human observation	1905-07-15	Chris Myrick CSU	
Catostomidae	<i>Catostomus commersonii</i>	White Sucker	Fish	Human observation	1905-07-15	Chris Myrick CSU	
Centrarchidae	<i>Lepomis cyanellus</i>	Green Sunfish	Fish	Human observation	1905-07-14	Chris Myrick CSU	
Centrarchidae	<i>Lepomis humilis</i>	Orangespotted Sunfish	Fish	Human observation	1905-07-09	Chris Myrick CSU	G5, S5, SWAP Tier 1
Centrarchidae	<i>Lepomis macrochirus</i>	Bluegill	Fish	Human observation	1905-07-13	Chris Myrick CSU	
Centrarchidae	<i>Micropterus dolomieu</i>	Smallmouth Bass	Fish	Human observation	1905-06-30	Chris Myrick CSU	
Centrarchidae	<i>Micropterus salmoides</i>	Largemouth Bass	Fish	Human observation	1905-07-15	Chris Myrick CSU	
Clupeidae	<i>Dorosoma cepedianum</i>	Gizzard Shad	Fish	Human observation	1905-07-14	Chris Myrick CSU	
Cyprinidae	<i>Cyprinus carpio</i>	Common Carp	Fish	Human observation	1905-07-14	Chris Myrick CSU	
Fundulidae	<i>Fundulus sciadicus</i>	Plains Topminnow	Fish	Human observation	1905-06-30	Chris Myrick CSU	G4, S4, SWAP Tier 1
Gasterosteidae	<i>Culaea inconstans</i>	Brook Stickleback	Fish	Human observation	1905-07-11	Chris Myrick CSU	
Ictaluridae	<i>Ameiurus melas</i>	Black Bullhead	Fish	Human observation	1905-06-24	Chris Myrick CSU	

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Leuciscidae	<i>Notropis dorsalis</i>	Bigmouth Shiner	Fish	Human observation	1905-07-15	Chris Myrick CSU	
Leuciscidae	<i>Notropis stramineus</i>	Sand Shiner	Fish	Human observation	1905-07-15	Chris Myrick CSU	
Leuciscidae	<i>Pimephales promelas</i>	Fathead Minnow	Fish	Human observation	1905-07-15	Chris Myrick CSU	
Leuciscidae	<i>Rhinichthys cataractae</i>	Longnose Dace	Fish	Human observation	1905-07-15	Chris Myrick CSU	
Leuciscidae	<i>Semotilus atromaculatus</i>	Creek Chub	Fish	Human observation	1905-07-13	Chris Myrick CSU	
Percidae	<i>Etheostoma exile</i>	Iowa Darter	Fish	Human observation	1905-07-08	Chris Myrick CSU	G5, S3, SWAP Tier 2
Percidae	<i>Etheostoma nigrum</i>	Johnny Darter	Fish	Human observation	1905-07-15	Chris Myrick CSU	
Percidae	<i>Perca flavescens</i>	Yellow Perch	Fish	Human observation	1905-07-05	Chris Myrick CSU	
Poeciliidae	<i>Gambusia affinis</i>	Mosquitofish	Fish	Human observation	1905-07-14	Chris Myrick CSU	
Salmonidae	<i>Oncorhynchus mykiss</i>	Rainbow Trout	Fish	Human observation	1905-07-15	Chris Myrick CSU	
Salmonidae	<i>Salmo trutta</i>	Brown Trout	Fish	Human observation	1905-07-14	Chris Myrick CSU	
Acrididae	<i>Arphia conspersa</i>	Speckle-Winged Rangeland Grasshopper	Insects	Human observation	2021-06-13	iNaturalist	
Acrididae	<i>Arphia pseudonietana</i>	Red-Winged Grasshopper	Insects	Human observation	2019-08-25	iNaturalist	
Acrididae	<i>Chloealtis conspersa</i>	Sprinkled Grasshopper	Insects	Preserved specimen	2020-09-15	SCAN	
Acrididae	<i>Chortophaga viridifasciata</i>	Green-Striped Grasshopper	Insects	Preserved specimen	2018-05-05	SCAN	
Acrididae	<i>Derotmema haydenii</i>	Hayden's Grasshopper	Insects	Preserved specimen	2019-09-06	SCAN	
Acrididae	<i>Dissosteira carolina</i>	Carolina Grasshopper	Insects	Human observation	2019-08-31	iNaturalist	
Acrididae	<i>Eritettix simplex</i>	Velvet-Striped Grasshopper	Insects	Human observation	2019-05-04	iNaturalist	
Acrididae	<i>Hesperotettix viridis</i>	Snakeweed Grasshopper	Insects	Preserved specimen	2009-09-06	SCAN	
Acrididae	<i>Melanoplus bivittatus</i>	Two-Striped Grasshopper	Insects	Human observation	2017-06-13	iNaturalist	
Acrididae	<i>Melanoplus femurrubrum</i>	Red-Legged Grasshopper	Insects	Human observation	2023-10-20	501 group	
Acrididae	<i>Melanoplus infantilis</i>	Tiny Spur-Throat Grasshopper	Insects	Human observation	2019-09-03	iNaturalist	
Acrididae	<i>Melanoplus lakinus</i>	Lakin Grasshopper	Insects	Human observation	2022-08-25	iNaturalist	
Acrididae	<i>Melanoplus occidentalis</i>	Occidental Grasshopper	Insects	Preserved specimen	2001-08-29	SCAN	
Acrididae	<i>Melanoplus sanguinipes</i>	Migratory Grasshopper	Insects	Human observation	2020-06-19	iNaturalist	
Acrididae	<i>Melanoplus sp.</i>	North American Spur-Throated Grasshoppers	Insects	Human observation	2005-09-16	iNaturalist	
Acrididae	<i>Oedipodinae sp.</i>	Bandwing Grasshoppers	Insects	Human observation	2017-06-13	iNaturalist	
Acrididae	<i>Opeia obscura</i>	Obscure Grasshopper	Insects	Preserved specimen	2001-08-29	GBIF	
Acrididae	<i>Pseudochorthippus curtipennis</i>	Marsh Meadow Grasshopper	Insects	Preserved specimen	2013-09-05	SCAN	
Acrididae	<i>Spharagemon collare</i>	Mottled Sand Grasshopper	Insects	Preserved specimen	2001-08-29	SCAN	
Acrididae	<i>Trachyrhachys aspera</i>	Finned Grasshopper	Insects	Preserved specimen	2005-09-01	SCAN	
Acrididae	<i>Trachyrhachys kiowa</i>	Kiowa Grasshopper	Insects	Preserved specimen	2019-09-21	SCAN	
Acrididae	<i>Trimerotropini sp.</i>		Insects	Human observation	2022-07-25	iNaturalist	

Family	Scientific Name	Common Name	Taxonomic Group	Observed/ Preserved	Observation Date	Source	Status
Acrididae		Short-Horned Grasshoppers	Insects	Human observation	2023-10-20	501 group	
Aeshnidae	<i>Aeshna interrupta</i>	Variable Darner	Insects	Human observation	2019-08-14	iNaturalist	
Aeshnidae	<i>Aeshna palmata</i>	Paddle-Tailed Darner	Insects	Human observation	2019-09-12	iNaturalist	
Aeshnidae	<i>Anax junius</i>	Common Green Darner	Insects	Human observation	2020-05-28	iNaturalist	
Aeshnidae	<i>Rhionaeschna multicolor</i>	Blue-Eyed Darner	Insects	Human observation	2019-08-04	iNaturalist	
Anthribidae	<i>Euparius marmoreus</i>	Fungus Weevil	Insects	Preserved specimen	1992-04-30	SCAN	
Aphididae	<i>Pterocomma</i> sp.		Insects	Human observation	2021-10-10	iNaturalist	
Apidae	<i>Apis mellifera</i>	Western Honey Bee	Insects	Human observation		iNaturalist	
Apidae	<i>Bombus centralis</i>	Great Basin Bumble Bee	Insects	Human observation	2023-07-14	iNaturalist	
Apidae	<i>Bombus huntii</i>	Hunt's Bumble Bee	Insects	Human observation	2023-09-10	iNaturalist	
Apidae	<i>Bombus pensylvanicus</i>	American Bumble Bee	Insects	Human observation	2023-06-26	iNaturalist	G3G4, SNR, SWAP Tier 2
Apidae	<i>Bombus</i> sp.	Bumble Bees	Insects	Human observation	2019-08-28	iNaturalist	
Apidae	<i>Eucerini</i> sp.	Longhorn Bees	Insects	Human observation	2023-09-10	iNaturalist	
Apidae	<i>Melissodes</i> sp.		Insects	Human observation	2020-09-11	iNaturalist	
Apidae	<i>Nomada</i> sp.	Nomad Bees	Insects	Human observation	2022-08-16	iNaturalist	
Apidae	<i>Zadontomerus</i>		Insects	Human observation	2022-04-22	iNaturalist	
Asilidae	<i>Lampria bicolor</i>	Robber Flies	Insects	Human observation	2022-07-14	iNaturalist	
Asilidae	<i>Stichopogon trifasciatus</i>	Three-Banded Robber Fly	Insects	Human observation	2019-08-16	iNaturalist	
Berytidae	<i>Berytidae</i> sp.	Stilt Bugs	Insects	Human observation	2019-08-28	iNaturalist	
Blaberidae	<i>Gromphadorhina</i> sp.	Hissing Cockroaches	Insects	Human observation	2017-06-13	iNaturalist	
Bombyliidae	<i>Anastoechus</i>		Insects	Human observation	2022-09-02	iNaturalist	
Bombyliidae	<i>Exoprosopa</i> sp.		Insects	Human observation	2019-09-04	iNaturalist	
Bombyliidae	<i>Hemipenthes sinuosa</i>	Sinuuous Bee Fly	Insects	Human observation	2019-08-16	iNaturalist	
Bombyliidae	<i>Villa</i> sp.		Insects	Human observation	2023-07-09	iNaturalist	
Braconidae	<i>Aerophilus nigripes</i>		Insects	Human observation	2020-09-25	iNaturalist	
Braconidae	<i>Agathidini</i> sp.		Insects	Human observation	2023-09-22	iNaturalist	
Braconidae	<i>Ascogaster</i> sp.		Insects	Human observation	2020-09-15	iNaturalist	
Calliphoridae	<i>Lucilia</i> sp.	Greenbottle Flies	Insects	Human observation	2023-07-09	iNaturalist	
Calopterygidae	<i>Hetaerina americana</i>	American Rubyspot	Insects	Human observation	2023-08-17	iNaturalist	
Cantharidae	<i>Chauliognathus basalis</i>	Colorado Soldier Beetle	Insects	Human observation	2020-08-21	iNaturalist	
Carabidae	<i>Amara littoralis</i>	Ground Beetle	Insects	Preserved specimen	1992-06-27	SCAN	
Carabidae	<i>Brachinus cyanochroaticus</i>	Bombardier Beetle	Insects	Preserved specimen	2001-08-28	SCAN	
Carabidae	<i>Calosoma</i> sp.	Caterpillar-Hunter Beetles	Insects	Human observation	2021-08-04	iNaturalist	
Carabidae	<i>Carabus nemoralis</i>	Bronze Ground Beetle	Insects	Human observation	2020-04-24	iNaturalist	
Carabidae	<i>Cicindela punctulata</i>	Punctured Tiger Beetle	Insects	Preserved specimen	2008-09-11	GBIF	
Carabidae	<i>Cicindela repanda</i>	Bronzed Tiger Beetle	Insects	Human observation	2019-08-16	iNaturalist	

Family	Scientific Name	Common Name	Taxonomic Group	Observed/ Preserved	Observation Date	Source	Status
Carabidae	<i>Lebia</i> sp.	Colorful Foliage Ground Beetles	Insects	Human observation	2019-08-15	iNaturalist	
Carabidae	<i>Lebia viridis</i>	Flower Lebia Beetle	Insects	Preserved specimen	1999-07-19	GBIF	
Cecidomyiidae	<i>Rabdophaga strobiloides</i>	Willow Pinecone Gall Midge	Insects	Human observation	2020-09-19	iNaturalist	
Cerambycidae	<i>Batyle suturalis</i>	Sutured Longhorn Beetle	Insects	Human observation	2022-07-30	iNaturalist	
Cerambycidae	<i>Neandra brunnea</i>	Pole Borer	Insects	Human observation	2021-08-04	iNaturalist	
Cerambycidae	<i>Oberea erythrocephala</i>	Leafy Spurge Stem Boring Beetle	Insects	Human observation	2020-05-28	iNaturalist	
Cerambycidae	<i>Tetraopes annulatus</i>	Milkweed Longhorn Beetles	Insects	Human observation	2021-07-17	iNaturalist	
Cerambycidae	<i>Tetraopes femoratus</i>	Red-Femured Milkweed Borer	Insects	Human observation	2019-08-28	iNaturalist	
Chironomidae		Non-Biting Midges	Insects	Human observation	2021-10-10	iNaturalist	
Chloropidae	<i>Oscinella frit</i>	Frit Fly	Insects	Human observation	2017-06-13	iNaturalist	
Chrysomelidae	<i>Aphthona</i> sp.	Spurge Flea Beetles	Insects	Human observation	2023-07-08	iNaturalist	
Chrysomelidae	<i>Chrysochus auratus</i>	Dogbane Leaf Beetle	Insects	Human observation	2021-06-23	iNaturalist	
Chrysomelidae	<i>Chrysomela scripta</i>	Cottonwood Leaf Beetle	Insects	Human observation	2019-05-03	iNaturalist	
Chrysomelidae	<i>Chrysomelidae</i> sp.	Leaf Beetles	Insects	Human observation	2019-06-23	iNaturalist	
Chrysomelidae	<i>Diabrotica undecimpunctata</i>	Spotted Cucumber Beetle	Insects	Human observation	2019-08-28	iNaturalist	
Chrysomelidae	<i>Gastrophysa cyanea</i>	Blue Dock Beetle	Insects	Human observation	2020-03-25	iNaturalist	
Chrysomelidae	<i>Labidomera clivicollis</i>	Swamp Milkweed Leaf Beetle	Insects	Human observation	2022-07-31	iNaturalist	
Chrysomelidae	<i>Pachybrachis bivittatus</i>	Case-Bearing Leaf Beetle	Insects	Human observation	2023-07-02	iNaturalist	
Chrysomelidae	<i>Plagioderma versicolora</i>	Willow Leaf Beetle	Insects	Human observation	2017-06-13	iNaturalist	
Chrysomelidae	<i>Trirhabda canadensis</i>	Goldenrod Leaf Beetle	Insects	Human observation	2022-06-17	iNaturalist	
Chrysomelidae	<i>Trirhabda nitidicollis</i>	Rabbitbrush Beetle	Insects	Human observation	2019-06-10	iNaturalist	
Chrysomelidae	<i>Trirhabda</i> sp.		Insects	Human observation	2019-04-06	iNaturalist	
Chrysopidae	<i>Chrysopidae</i> sp.	Green Lacewings	Insects	Human observation	2020-05-28	iNaturalist	
Cicadellidae	<i>Ceratagallia</i> sp.		Insects	Human observation	2023-09-01	iNaturalist	
Cicadellidae	<i>Cuerna</i> sp.		Insects	Human observation	2022-07-12	iNaturalist	
Cicadellidae	<i>Graphocephala lugubris</i>		Insects	Human observation	2021-07-17	iNaturalist	
Cicadidae	<i>Tibicen dealbatus</i>	Plains Cicada	Insects	Preserved specimen	2010-09-15	SCAN	
Cleridae	<i>Trichodes nuttalli</i>	Red-Blue Checkered Beetle	Insects	Human observation	2022-07-12	iNaturalist	
Coccinellidae	<i>Coccinella difficilis</i>	Satellite Lady Beetle	Insects	Human observation	2022-07-31	iNaturalist	
Coccinellidae	<i>Coccinella novemnotata</i>	Nine-Spotted Lady Beetle	Insects	Human observation	2022-08-16	iNaturalist	
Coccinellidae	<i>Coccinella septempunctata</i>	Seven-Spotted Lady Beetle	Insects	Human observation	2019-07-11	iNaturalist	
Coccinellidae	<i>Coccinella</i> sp.	Lady Beetle	Insects	Human observation	2023-10-20	501 group	
Coccinellidae	<i>Coccinella transversoguttata</i>	Transverse Lady Beetle	Insects	Human observation	2023-07-20	iNaturalist	

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Coccinellidae	<i>Harmonia axyridis</i>	Asian Lady Beetle	Insects	Human observation	2019-08-28	iNaturalist	
Coccinellidae	<i>Hippodamia convergens</i>	Convergent Lady Beetle	Insects	Human observation	2019-08-28	iNaturalist	
Coenagrionidae	<i>Amphiagrion abbreviatum</i>	Western Red Damsel	Insects	Human observation	2021-06-03	iNaturalist	
Coenagrionidae	<i>Argia alberta</i>	Paiute Dancer	Insects	Human observation	2022-07-14	iNaturalist	G4, S1S2, SWAP Tier 2
Coenagrionidae	<i>Argia emma</i>	Emma's Dancer	Insects	Preserved specimen	2005-06-17	GBIF	
Coenagrionidae	<i>Argia vivida</i>	Vivid Dancer	Insects	Human observation	2019-07-23	iNaturalist	
Coenagrionidae	<i>Enallagma antennatum</i>	Rainbow Bluet	Insects	Human observation	2011-07-10	GBIF	
Coenagrionidae	<i>Enallagma basidens</i>	Double-Striped Bluet	Insects	Human observation	2011-07-10	GBIF	
Coenagrionidae	<i>Enallagma carunculatum</i>	Tule Bluet	Insects	Human observation	2022-07-14	iNaturalist	
Coenagrionidae	<i>Enallagma civile</i>	Familiar Bluet	Insects	Human observation	2019-07-11	iNaturalist	
Coenagrionidae	<i>Enallagma praevarum</i>	Arroyo Bluet	Insects	Human observation	2019-06-29	iNaturalist	
Coenagrionidae	<i>Enallagma sp.</i>	Bluets	Insects	Human observation	2019-07-11	iNaturalist	
Coenagrionidae	<i>Ischnura damula</i>	Plains Forktail	Insects	Human observation	2022-07-31	iNaturalist	
Conopidae	<i>Physocephala marginata</i>	Thick-Headed Fly	Insects	Human observation	2023-07-09	iNaturalist	
Corduliidae	<i>Epithea petechialis</i>	Dot-Winged Baskettail	Insects	Human observation	2021-06-01	iNaturalist	
Coreidae	<i>Chelinidea vittiger</i>	Cactus Coreid Bug	Insects	Human observation	2019-08-20	iNaturalist	
Crabronidae	<i>Cerceris intricata graphica</i>		Insects	Human observation	2023-08-23	iNaturalist	
Crabronidae	<i>Cerceris sp.</i>	Typical Weevil Wasps And Allies	Insects	Human observation	2023-08-23	iNaturalist	
Crabronidae	<i>Crabronidae sp.</i>	Square-Headed Wasps, Sand Wasps, And Allies	Insects	Human observation	2023-08-23	iNaturalist	
Crabronidae	<i>Hoplisoides sp.</i>		Insects	Human observation	2023-08-23	iNaturalist	
Crabronidae	<i>Philanthus gibbosus</i>	Hump-Backed Beewolf	Insects	Human observation	2022-08-25	iNaturalist	
Crabronidae	<i>Trypoxylon sp.</i>		Insects	Human observation	2022-04-11	iNaturalist	
Crambidae	<i>Loxostege cereralis</i>	Alfalfa Webworm Moth	Insects	Human observation	2020-09-15	iNaturalist	
Cryptophagidae	<i>Cryptophagidae sp.</i>	Silken Fungus Beetles	Insects	Human observation	2021-07-17	iNaturalist	
Culicidae		Mosquitoes	Insects	Human observation	2017-06-12	iNaturalist	
Curculionidae	<i>Mecinus janthiniformis</i>	Dalmatian Toadflax Stem Weevil	Insects	Human observation	2020-05-28	iNaturalist	
Dolichopodidae	<i>Condylostylus caudatus</i>	Long-Legged Fly	Insects	Human observation	2023-07-20	iNaturalist	
Dolichopodidae	<i>Condylostylus sp.</i>		Insects	Human observation	2021-07-17	iNaturalist	
Dytiscidae	<i>Rhantus sp.</i>		Insects	Human observation	2023-10-02	iNaturalist	
Dytiscidae		Predaceous Diving Beetles	Insects	Human observation	2023-09-01	iNaturalist	
Ephemerellidae			Insects	Preserved specimen	2018-08-31	GBIF	
Erebidae	<i>Catocala luciana</i>	Shining Underwing	Insects	Preserved specimen	1997-09-22	GBIF	

Family	Scientific Name	Common Name	Taxonomic Group	Observed/ Preserved	Observation Date	Source	Status
Erebidae	<i>Catocala</i> sp.	Underwing Moths	Insects	Human observation	2016-10-06	iNaturalist	
Erebidae	<i>Ciseps fulvicollis</i>	Yellow-Collared Scape Moth	Insects	Human observation	2019-08-15	iNaturalist	
Erebidae	<i>Pyrrharctia isabella</i>	Isabella Tiger Moth	Insects	Human observation	2023-10-13	501 group	
Erebidae	<i>Virbia fragilis</i>		Insects	Preserved specimen	1992-06-27	SCAN	
Erotylidae	<i>Languria laeta</i>		Insects	Human observation	2023-07-08	iNaturalist	
Formicidae	<i>Pogonomyrmecini</i>	Pogonomyrmecine Ants	Insects	Human observation	2019-04-27	iNaturalist	
Formicidae	<i>Pogonomyrmex</i>	Typical American Harvester Ants	Insects	Human observation	2017-06-13	iNaturalist	
Formicidae	<i>Pogonomyrmex occidentalis</i>	Western Harvester Ant	Insects	Human observation	2022-04-30	iNaturalist	
Geometridae	<i>Digrammia curvata</i>	Shaded Granite Moth	Insects	Human observation	2013-08-16	iNaturalist	
Geometridae	<i>Digrammia excurvata</i>	Geometrid Moth	Insects	Preserved specimen	2004-05-08	SCAN	
Gerridae	<i>Aquarius remigis</i>	North American Common Water Strider	Insects	Human observation	2023-09-01	iNaturalist	
Gomphidae	<i>Ophiogomphus severus</i>	Pale Snaketail	Insects	Human observation	2019-09-18	iNaturalist	
Halictidae	<i>Halictini</i> sp.		Insects	Human observation	2022-04-08	iNaturalist	
Heptageniidae	<i>Maccaffertium mediopunctatum</i>	Flat-Headed Mayfly	Insects	Human observation	2023-09-01	iNaturalist	
Heptageniidae	<i>Stenonema femoratum</i>	Dark Cahill	Insects	Human observation	2023-08-17	iNaturalist	
Hesperiidae	<i>Atalopedes campestris</i>	Sachem	Insects	Human observation	2019-07-11	iNaturalist	
Hesperiidae	<i>Epargyreus clarus</i>	Silver-Spotted Skipper	Insects	Human observation	2020-06-19	iNaturalist	
Hesperiidae	<i>Lon hobomok</i>	Hobomok Skipper	Insects	Human observation	2022-06-25	iNaturalist	
Hesperiidae	<i>Lon taxiles</i>	Taxiles Skipper	Insects	Human observation	2018-07-24	iNaturalist	
Hesperiidae	<i>Ochlodes sylvanoides</i>	Woodland Skipper	Insects	Human observation	2022-08-07	iNaturalist	
Hesperiidae	<i>Piruna pirus</i>	Russet Skipperling	Insects	Human observation	2020-07-02	iNaturalist	
Hesperiidae	<i>Thymelicina</i>		Insects	Human observation	2021-07-17	iNaturalist	
Ichneumonidae	<i>Compsocryptus</i> sp.		Insects	Human observation	2022-08-16	iNaturalist	
Ichneumonidae		Ichneumonid Wasps	Insects	Human observation	2022-05-08	iNaturalist	
Lampyridae	<i>Pyropyga nigricans</i>	Dark Firefly	Insects	Human observation	2021-07-17	iNaturalist	
Leptohyphidae	<i>Tricorythodes explicatus</i>	Little Stout Crawler Mayflies	Insects	Preserved specimen	2011-08-14	SCAN	
Leptophlebiidae	<i>Leptophlebia</i> sp.		Insects	Human observation	2020-04-18	iNaturalist	
Lestidae	<i>Lestes congener</i>	Spotted Spreadwing	Insects	Human observation	2019-08-27	iNaturalist	
Libellulidae	<i>Leucorrhinia intacta</i>	Dot-Tailed Whiteface	Insects	Preserved specimen	2011-07-10	GBIF	
Libellulidae	<i>Libellula luctuosa</i>	Widow Skimmer	Insects	Human observation	2020-08-06	iNaturalist	
Libellulidae	<i>Libellula pulchella</i>	Twelve-Spotted Skimmer	Insects	Human observation	2020-06-19	iNaturalist	
Libellulidae	<i>Libellula quadrimaculata</i>	Four-Spotted Skimmer	Insects	Human observation	2011-07-10	GBIF	
Libellulidae	<i>Pachydiplax longipennis</i>	Blue Dasher	Insects	Human observation	2022-07-31	iNaturalist	
Libellulidae	<i>Plathemis lydia</i>	Common Whitetail	Insects	Human observation	2016-08-18	iNaturalist	
Libellulidae	<i>Sympetrum corruptum</i>	Variegated Meadowhawk	Insects	Human observation	2020-06-19	iNaturalist	

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Libellulidae	<i>Sympetrum costiferum</i>	Saffron-Winged Meadowhawk	Insects	Human observation	2022-10-03	iNaturalist	
Libellulidae	<i>Sympetrum obtrusum</i>	White-Faced Meadowhawk	Insects	Human observation	2019-08-14	iNaturalist	
Libellulidae	<i>Sympetrum pallipes</i>	Striped Meadowhawk	Insects	Human observation	2022-08-07	iNaturalist	
Libellulidae	<i>Sympetrum semicinctorum</i>	Band-Winged Meadowhawk	Insects	Human observation	2019-08-27	iNaturalist	
Libellulidae	<i>Sympetrum</i> sp.	Meadowhawks	Insects	Human observation	2019-08-28	iNaturalist	
Libellulidae	<i>Tramea lacerata</i>	Black Saddlebags	Insects	Human observation	2022-07-14	iNaturalist	
Lycaenidae	<i>Brephidium exilis</i>	Western Pygmy-Blue	Insects	Human observation	2022-10-04	iNaturalist	
Lycaenidae	<i>Strymon melinus</i>	Gray Hairstreak	Insects	Human observation	2023-08-26	iNaturalist	
Lygaeidae	<i>Lygaeus kalmii</i>	Small Milkweed Bug	Insects	Human observation	2019-02-03	iNaturalist	
Mantidae	<i>Mantis religiosa</i>	European Mantis	Insects	Human observation	2016-09-23	iNaturalist	
Mantidae	<i>Mantis</i> sp.		Insects	Human observation	2021-09-26	iNaturalist	
Megachilidae	<i>Coelioxys rufitarsis</i>	Red-Footed Cuckoo Leafcutter	Insects	Human observation	2023-09-22	iNaturalist	
Megachilidae	<i>Coelioxys</i> sp.	Sharptail Bees	Insects	Human observation	2019-08-28	iNaturalist	
Megachilidae	<i>Megachile</i> sp.	Leafcutter, Mortar, And Resin Bees	Insects	Human observation	2022-08-25	iNaturalist	
Meloidae	<i>Epicauta pensylvanica</i>	Black Blister Beetle	Insects	Human observation	2019-08-15	iNaturalist	
Meloidae	<i>Epicauta sericans-group</i>	Blister Beetle	Insects	Human observation	2019-08-28	iNaturalist	
Meloidae	<i>Epicauta</i> sp.	Burning Blister Beetles	Insects	Human observation	2019-08-27	iNaturalist	
Melyridae	<i>Malachius aeneus</i>	Scarlet Malachite Beetle	Insects	Human observation	2020-05-28	iNaturalist	
Membracidae	<i>Tortistilus inermis</i>		Insects	Preserved specimen	1995-09-06	SCAN	
Micropezidae	<i>Micropeza lineata</i>		Insects	Human observation	2022-07-14	iNaturalist	
Mutillidae	<i>Dasymutilla canella</i>	Velvet Ant	Insects	Preserved specimen	2009-09-26	GBIF	
Mutillidae	<i>Dasymutilla caneo</i>	Velvet Ant	Insects	Preserved specimen	2009-09-26	SCAN	
Mutillidae	<i>Dasymutilla chiron ursula</i>	Velvet Ant	Insects	Preserved specimen	1994-07-24	SCAN	
Mutillidae	<i>Dasymutilla macra</i>	Velvet Ant	Insects	Preserved specimen	2001-08-28	SCAN	
Mutillidae	<i>Dasymutilla nigripes</i>	Velvet Ant	Insects	Preserved specimen	2009-09-06	SCAN	
Mutillidae	<i>Dasymutilla scaevola</i>	Velvet Ant	Insects	Human observation	2022-08-08	iNaturalist	
Mutillidae	<i>Dasymutilla ursus</i>	Velvet Ant	Insects	Human observation	2022-09-02	iNaturalist	
Mutillidae	<i>Pseudomethoca propinqua</i>	Velvet Ant	Insects	Preserved specimen	2001-08-28	SCAN	
Mutillidae	<i>Pseudomethoca</i> sp.		Insects	Human observation	2019-09-03	iNaturalist	
Mutillidae	<i>Sphaerophthalminae</i> sp.		Insects	Human observation	2022-08-16	iNaturalist	
Mutillidae	<i>Timulla vagans</i>	Velvet Ant	Insects	Human observation	2023-09-01	iNaturalist	
Mutillidae			Insects	Preserved specimen	2001-08-28	GBIF	
Noctuidae	<i>Acrionicta insularis</i>	Marsh Dagger	Insects	Human observation	2013-08-16	iNaturalist	
Noctuidae	<i>Calophasia lunula</i>	Toadflax Brocade Moth	Insects	Human observation	2023-06-26	iNaturalist	

Family	Scientific Name	Common Name	Taxonomic Group	Observed/ Preserved	Observation Date	Source	Status
Noctuidae	<i>Cucullia</i> sp.	Hooded Owlets	Insects	Human observation	2023-07-03	iNaturalist	
Noctuidae	<i>Euxoa auxiliaris</i>	Miller Moth	Insects	Preserved specimen	2004-05-08	SCAN	
Noctuidae	<i>Helicoverpa zea</i>	Corn Earworm Moth	Insects	Human observation	2018-09-29	iNaturalist	
Noctuidae	<i>Raphia frater</i>		Insects	Preserved specimen	2004-05-08	GBIF	
Noctuidae	<i>Raphia frater coloradensis</i>	Brother Moth	Insects	Preserved specimen	2004-05-08	SCAN	
Noctuidae	<i>Schinia albafascia</i>	Flower Moth	Insects	Human observation	2013-08-16	iNaturalist	
Noctuidae	<i>Schinia grandimedia</i>	Rockies Boneset Flower Moth	Insects	Human observation	2013-08-16	iNaturalist	
Noctuidae	<i>Schinia jaguarina</i>	Jaguar Flower Moth	Insects	Preserved specimen	1992-06-27	SCAN	
Noctuidae	<i>Tyta luctuosa</i>	Four-Spotted Moth	Insects	Human observation	2019-08-15	iNaturalist	
Noctuidae		Cutworm Moths And Allies	Insects	Human observation	2019-08-27	iNaturalist	
Nymphalidae	<i>Argynnis edwardsii</i>	Edwards's Fritillary	Insects	Human observation	2023-09-01	iNaturalist	
Nymphalidae	<i>Cercyonis pegala</i>	Common Wood-Nymph	Insects	Human observation	2022-07-14	iNaturalist	
Nymphalidae	<i>Chlosyne gorgone</i>	Gorgone Checkerspot	Insects	Human observation	2023-08-23	iNaturalist	
Nymphalidae	<i>Danaus plexippus</i>	Monarch	Insects	Human observation	2016-10-13	iNaturalist	G5, S5, SWAP Tier 2
Nymphalidae	<i>Limenitis archippus</i>	Viceroy	Insects	Human observation	2017-06-13	iNaturalist	
Nymphalidae	<i>Nymphalis antiopa</i>	Mourning Cloak	Insects	Human observation	2017-03-22	iNaturalist	
Nymphalidae	<i>Polygonia gracilis</i>	Hoary Comma	Insects	Human observation	2022-10-04	iNaturalist	
Nymphalidae	<i>Polygonia satyrus</i>	Satyr Comma	Insects	Human observation	2017-03-22	iNaturalist	
Nymphalidae	<i>Vanessa cardui</i>	Painted Lady	Insects	Human observation	2019-08-28	iNaturalist	
Oecanthidae	<i>Oecanthus quadripunctatus</i>	Four-Spotted Tree Cricket	Insects	Human observation	2019-08-28	iNaturalist	
Oecanthidae	<i>Oecanthus</i> sp.	Common Tree Crickets	Insects	Human observation	2019-08-28	iNaturalist	
Papilionidae	<i>Papilio rutulus</i>	Western Tiger Swallowtail	Insects	Human observation	2023-07-08	iNaturalist	
Pentatomidae	<i>Brochymena quadripustulata</i>	Rough Stink Bugs	Insects	Preserved specimen	1992-06-27	SCAN	
Pentatomidae	<i>Brochymena</i> sp.	Rough Stink Bugs	Insects	Human observation	2023-06-01	iNaturalist	
Pentatomidae	<i>Brochymena sulcata</i>	Rough Stink Bugs	Insects	Preserved specimen	2011-04-12	SCAN	
Pentatomidae	<i>Cosmopepla bimaculata</i>	Stink Bug	Insects	Preserved specimen	1905-06-17	SCAN	
Pentatomidae	<i>Cosmopepla lintneriana</i>	Twice Stabbed Stink Bug	Insects	Preserved specimen	1997-09-11	SCAN	
Pentatomidae	<i>Euschistus inflatus</i>	Stink Bug	Insects	Preserved specimen	1992-05-09	SCAN	
Pentatomidae	<i>Euschistus servus</i>	Brown Stink Bug	Insects	Preserved specimen	1999-09-09	SCAN	
Pentatomidae	<i>Euschistus variolarius</i>	Onespotted Stink Bug	Insects	Preserved specimen	1992-06-27	SCAN	
Pentatomidae	<i>Meneclis insertus</i>	Elf Shoe Stink Bug	Insects	Human observation	2022-04-22	iNaturalist	
Pentatomidae	<i>Thyanta custator</i>	Red-Shouldered Stink Bug	Insects	Preserved specimen	2009-09-06	SCAN	
Pentatomidae	<i>Thyanta</i> sp.		Insects	Human observation	2019-08-28	iNaturalist	
Pentatomidae			Insects	Human observation	2021-07-17	iNaturalist	
Phalacridae	<i>Olibrus</i> sp.		Insects	Human observation	2019-08-28	iNaturalist	

Family	Scientific Name	Common Name	Taxonomic Group	Observed/ Preserved	Observation Date	Source	Status
Pieridae	<i>Colias eurytheme</i>	Orange Sulphur	Insects	Human observation	2019-05-26	iNaturalist	
Pieridae	<i>Nathalis iole</i>	Dainty Sulfur Butterfly	Insects	Human observation	2023-10-20	501 group	
Pieridae	<i>Pieris rapae</i>	Cabbage White Butterfly	Insects	Human observation	2023-10-20	501 group	
Pieridae	<i>Pontia protodice</i>	Checkered White	Insects	Human observation	2023-08-26	iNaturalist	
Reduviidae	<i>Apiomerus spissipes</i>	Bee Assassin	Insects	Human observation	2021-06-24	iNaturalist	
Reduviidae	<i>Phymata americana</i>	Jagged Ambush Bug	Insects	Human observation	2019-08-15	iNaturalist	
Reduviidae	<i>Phymata sp.</i>	Jagged Ambush Bugs	Insects	Human observation	2023-09-01	iNaturalist	
Reduviidae	<i>Zelus luridus</i>	Pale Green Assassin Bug	Insects	Human observation	2020-09-24	iNaturalist	
Reduviidae	<i>Zelus tetracanthus</i>	Four-Spurred Assassin Bug	Insects	Human observation	2019-08-28	iNaturalist	
Rhopalidae	<i>Boisea sp.</i>	Boxelder Bugs	Insects	Human observation	2023-10-20	501 group	
Rhopalidae	<i>Boisea trivittata</i>	Eastern Boxelder Bug	Insects	Human observation	2020-04-22	iNaturalist	
Saturniidae	<i>Antheraea polyphemus</i>	Polyphemus Moth	Insects	Human observation	2021-09-08	iNaturalist	
Scarabaeidae	<i>Aphodiinae sp.</i>	Small Dung Beetles	Insects	Human observation	2019-11-02	iNaturalist	
Scarabaeidae	<i>Melolonthinae sp.</i>	June Beetles	Insects	Human observation	2021-06-11	iNaturalist	
Scarabaeidae	<i>Phyllophaga lanceolata</i>	Brown Scarab Beetle	Insects	Human observation	2023-07-14	iNaturalist	
Silphidae	<i>Heterosilpha ramosa</i>	Garden Carrion Beetle	Insects	Human observation	2018-07-24	iNaturalist	
Silphidae	<i>Nicrophorus sp.</i>	Burying Beetles	Insects	Human observation	2016-10-27	iNaturalist	
Silphidae	<i>Thanatophilus lapponicus</i>	Northern Carrion Beetle	Insects	Human observation	2023-07-09	iNaturalist	
Siricidae	<i>Tremex columba</i>	Pigeon Horntail	Insects	Human observation	2021-09-16	iNaturalist	
Sphecidae	<i>Ammophila procera</i>	Common Thread-Waisted Wasp	Insects	Human observation	2022-08-18	iNaturalist	
Sphecidae	<i>Chalybion californicum</i>	Nearctic Blue Mud-Dauber Wasp	Insects	Human observation	2017-06-15	iNaturalist	
Sphecidae	<i>Podalonia sp.</i>	Cutworm Wasps	Insects	Human observation	2022-08-25	iNaturalist	
Sphecidae	<i>Prionyx sp.</i>		Insects	Human observation	2019-08-28	iNaturalist	
Sphecidae	<i>Sphex pensylvanicus</i>	Great Black Digger Wasp	Insects	Human observation	2022-07-31	iNaturalist	
Sphingidae	<i>Hyles euphorbiae</i>	Leafy Spurge Hawkmoth	Insects	Human observation	2021-06-24	iNaturalist	
Stratiomyidae	<i>Hedriodiscus binotatus</i>	Green Soldier Fly	Insects	Human observation	2023-08-26	iNaturalist	
Stratiomyidae	<i>Hedriodiscus sp.</i>		Insects	Human observation	2019-07-04	iNaturalist	
Syrphidae	<i>Eristalis arbustorum</i>	Eurasian Drone Fly	Insects	Human observation	2021-07-17	iNaturalist	
Syrphidae	<i>Eristalis flavipes</i>	Orange-Legged Drone Fly	Insects	Human observation	2023-07-14	iNaturalist	
Syrphidae	<i>Eupeodes volucris</i>	Large-Tailed Aphideater	Insects	Human observation	2023-06-26	iNaturalist	
Syrphidae	<i>Polydontomyia curvipes</i>	Dimorphic Sickleleg	Insects	Human observation	2023-08-26	iNaturalist	
Syrphidae	<i>Scaeva affinis</i>	White-Bowed Smoothwing	Insects	Preserved specimen	1988-06-26	GBIF	
Syrphidae	<i>Scaeva pyrastris</i>	Pied Hoverfly	Insects	Preserved specimen	1988-06-26	GBIF	
Syrphidae	<i>Sphaerophoria sp.</i>	Globetails	Insects	Human observation	2023-09-13	iNaturalist	
Syrphidae	<i>Syrphini sp.</i>		Insects	Human observation	2017-04-20	iNaturalist	
Syrphidae	<i>Tropidia quadrata</i>	Common Thick-Leg Fly	Insects	Human observation	2023-08-23	iNaturalist	

Family	Scientific Name	Common Name	Taxonomic Group	Observed/ Preserved	Observation Date	Source	Status
Syrphidae		Hover Flies	Insects	Human observation	2017-06-13	iNaturalist	
Tachinidae	<i>Archytas</i> sp.		Insects	Human observation	2019-08-28	iNaturalist	
Tachinidae		Bristle Flies	Insects	Human observation	2023-08-26	iNaturalist	
Tenebrionidae	<i>Asidopsis opaca</i>	Darkling Beetle	Insects	Preserved specimen	2003-09-10	SCAN	
Tenebrionidae	<i>Bothrotes plumbeus</i>	Darkling Beetle	Insects	Human observation	2022-08-08	iNaturalist	
Tenebrionidae	<i>Bothrotes</i> sp.		Insects	Human observation	2019-08-28	iNaturalist	
Tenebrionidae	<i>Cyanaeus angustum</i>	Black Flour Beetle	Insects	Preserved specimen	1992-06-19	SCAN	
Tenebrionidae	<i>Cyanaeus angustus</i>	Larger Black Flour Beetle	Insects	Preserved specimen	1992-06-19	GBIF	
Tenebrionidae	<i>Eleodes carbonaria</i>	Darkling Beetle	Insects	Human observation	2019-08-15	iNaturalist	
Tenebrionidae	<i>Eleodes fusiformis</i>	Black Beetle	Insects	Human observation	2019-05-04	iNaturalist	
Tenebrionidae	<i>Eleodes nigrina</i>	Desert Stink Beetle	Insects	Preserved specimen	2002-09-05	SCAN	
Tenebrionidae	<i>Lobometopon plumbeus</i>	Darkling Beetle	Insects	Preserved specimen	1999-09-09	SCAN	
Tenebrionidae	<i>Neatus tenebrioides</i>	Darkling Beetle	Insects	Preserved specimen	1999-04-20	GBIF	
Tenebrionidae	<i>Platydemia americana</i>	Philadelphia Darkling Beetle	Insects	Preserved specimen	1992-05-09	SCAN	
Tenebrionidae	<i>Tribolium audax</i>	American Black Flour Beetle	Insects	Preserved specimen	1992-04-30	SCAN	
Tenebrionidae			Insects	Preserved specimen	1999-09-09	GBIF	
Tephritidae	<i>Euaresta aequalis</i>	Burr-Seed Fly	Insects	Human observation	2021-08-09	iNaturalist	
Tephritidae	<i>Urophora cardui</i>	Thistle Stem Gall Fly	Insects	Human observation	2021-06-10	iNaturalist	
Tetrigidae	<i>Paratettix aztecus</i>	Aztec Pygmy Grasshopper	Insects	Preserved specimen	2018-07-04	SCAN	
Tetrigidae	<i>Paratettix cucullatus</i>	Hooded Grouse Locust	Insects	Human observation	2019-08-23	iNaturalist	
Thynnidae	<i>Myzinum</i> sp.	New World Banded Thynnid Wasps	Insects	Human observation	2022-08-16	iNaturalist	
Tipulidae	<i>Tipula</i> sp.	Common Crane Flies	Insects	Human observation	2023-09-13	iNaturalist	
Tipulidae			Insects	Human observation	2020-09-24	iNaturalist	
Tortricidae		Tortricid Leafroller Moths	Insects	Human observation	2019-08-15	iNaturalist	
Ulidiidae	<i>Callopiostromyia annulipes</i>	Peacock Fly	Insects	Human observation	2018-07-24	iNaturalist	
Vespidae	<i>Eumenes</i> sp.		Insects	Human observation	2022-08-18	iNaturalist	
Vespidae	<i>Euodynerus</i> sp.		Insects	Human observation	2023-08-23	iNaturalist	
Vespidae	<i>Polistes dominula</i>	European Paper Wasp	Insects	Human observation	2022-08-16	iNaturalist	
Vespidae	<i>Symmorphus</i> sp.		Insects	Human observation	2018-07-24	iNaturalist	
Vespidae	<i>Vespula atropilosa</i>	Prairie Yellowjacket	Insects	Human observation	2023-07-09	iNaturalist	
Vespidae		Hornets And Yellowjackets	Insects	Human observation	2023-08-23	iNaturalist	
Canidae	<i>Canis latrans</i>	Coyote	Mammals	Human observation	2023-10-20	501 group	
Castoridae	<i>Castor canadensis</i>	American Beaver	Mammals	Human observation	2018-03-07	iNaturalist	
Cervidae	<i>Odocoileus hemionus</i>	Mule Deer	Mammals	Human observation	2020-04-22	iNaturalist	
Cervidae	<i>Odocoileus</i> sp.	White-Tailed And Mule Deer	Mammals	Human observation	2020-11-07	iNaturalist	
Cervidae	<i>Odocoileus virginianus</i>	White-Tailed Deer	Mammals	Human observation	2023-10-13	501 group	
Cervidae		Deer	Mammals	Human observation	2022-05-01	iNaturalist	

Family	Scientific Name	Common Name	Taxonomic Group	Observed/ Preserved	Observation Date	Source	Status
Cricetidae	<i>Ondatra zibethicus</i>	Common Muskrat	Mammals	Human observation	2018-04-14	iNaturalist	
Cricetidae	<i>Peromyscus maniculatus</i>	Deer Mouse	Mammals	Human observation	2023-08-25	Bernadette Khun City of Fort Collins	
Cricetidae Fischer	<i>Microtus pennsylvanicus</i>	Meadow Vole	Mammals	Human observation	2023-08-25	Bernadette Khun City of Fort Collins	
Leporidae	<i>Sylvilagus audubonii</i>	Desert Cottontail	Mammals	Human observation	2018-06-22	iNaturalist	
Leporidae	<i>Sylvilagus floridanus</i>	Eastern Cottontail	Mammals	Human observation	2020-05-12	iNaturalist	
Leporidae	<i>Sylvilagus</i> sp.	Cottontail Rabbits	Mammals	Human observation	2019-06-06	iNaturalist	
Leporidae		Hares And Rabbits	Mammals	Human observation	2020-11-07	iNaturalist	
Mephitidae	<i>Mephitis mephitis</i>	Striped Skunk	Mammals	Human observation	2016-12-09	iNaturalist	
Mustelidae	<i>Neogale vison</i>	American Mink	Mammals	Human observation	2019-04-19	iNaturalist	
Procyonidae	<i>Procyon lotor</i>	Common Raccoon	Mammals	Human observation	2016-09-29	iNaturalist	
Sciuridae	<i>Marmota</i> sp.	Marmots	Mammals	Human observation	2021-06-06	iNaturalist	
Sciuridae	<i>Sciurus niger</i>	Fox Squirrel	Mammals	Human observation	2019-07-11	iNaturalist	
Sciuridae		Squirrels	Mammals	Human observation	2020-11-07	iNaturalist	
Felidae	<i>Lynx rufus</i>	Bobcat	Mammals	Camera trap	2024-27-03	CNHP	
Lymnaeidae	<i>Galba modicella</i>		Mollusks	Preserved specimen	1990-10-01	GBIF	
Physidae	<i>Physella acuta</i>	Tadpole Snail	Mollusks	Preserved specimen	1990-10-01	GBIF	
Planorbidae	<i>Ferrissia rivularis</i>	Creeping Ancyloid	Mollusks	Preserved specimen	1990-10-01	GBIF	
Planorbidae	<i>Planorbella trivolvis</i>	Marsh Rams-Horn	Mollusks	Preserved specimen	1990-10-01	GBIF	
Physaraceae	<i>Fuligo septica</i>	Dog Vomit Slime Mold	Protozoa	Human observation	2023-07-08	iNaturalist	
Reticulariaceae	<i>Lycogala epidendrum</i>	Wolf's Milk	Protozoa	Human observation	2023-05-21	iNaturalist	
Chelydridae	<i>Chelydra serpentina</i>	Common Snapping Turtle	Reptiles	Human observation	2023-06-03	iNaturalist	
Colubridae	<i>Coluber constrictor flaviventris</i>	Eastern Yellow-bellied Racer	Reptiles	Human observation	2017-05-28	iNaturalist	
Colubridae	<i>Nerodia sipedon sipedon</i>	Northern Watersnake	Reptiles	Human observation	2021-08-22	iNaturalist	
Colubridae	<i>Pituophis catenifer sayi</i>	Bullsnake	Reptiles	Human observation	2016-09-15	iNaturalist	
Colubridae	<i>Thamnophis</i> sp.	Garter Snakes	Reptiles	Human observation	2017-06-13	iNaturalist	
Emydidae	<i>Chrysemys picta bellii</i>	Western Painted Turtle	Reptiles	Human observation	2020-04-09	iNaturalist	
Emydidae	<i>Trachemys scripta</i>	Pond Slider	Reptiles	Human observation	2023-07-03	iNaturalist	

Table 7. Complete species list of plants found on the ELC, including documented human observations and preserved specimens. Species of concern are bolded. See Appendix 2, Table 2 for status definitions.

Family	Scientific Name	Common Name	Observed/Preserved	Observation Date	Source	Native Status	Noxious Status	C-value	Status
Amaranthaceae	<i>Amaranthus</i> sp.	Amaranth	Human observation	2020-09-20	iNaturalist	Unknown			
Amaranthaceae	<i>Chenopodium fremontii</i>	Frémont's Goosefoot	Preserved specimen	1893-07-17	GBIF	Native		6	
Amaranthaceae	<i>Dysphania botrys</i>	Jerusalem Oak	Human observation	2021-07-17	501 group	Non-native		0	
Amaranthaceae	<i>Dysphania</i> sp.		Human observation	2020-07-12	iNaturalist	Non-native			
Amaranthaceae	<i>Salsola tragus</i>	Prickly Russian Thistle	Human observation	2021-02-02	501 group	Non-native		0	
Apiaceae	<i>Conium maculatum</i>	Poison Hemlock	Human observation	2021-09-14	iNaturalist	Non-native	List C	0	
Apiaceae	<i>Cymopterus fendleri</i>	Fendler's Spring-Parsley	Preserved specimen	1896-05-03	GBIF	Native		7	
Apiaceae	Scandiceae sp.	Chervils, Carrots, Hedgeparsleys And Allies	Human observation	2019-05-26	iNaturalist	Unknown			
Apiaceae		Carrots	Human observation	2019-04-27	iNaturalist	Unknown			
Apocynaceae	<i>Apocynum cannabinum</i>	Hemp Dogbane	Human observation	2021-10-04	501 group	Native		2	
Apocynaceae	<i>Asclepias incarnata</i>	Swamp Milkweed	Human observation	2018-07-05	iNaturalist	Unknown		4	
Apocynaceae	<i>Asclepias</i> sp.	Milkweeds	Human observation	2020-09-20	iNaturalist	Native			
Apocynaceae	<i>Asclepias speciosa</i>	Showy Milkweed	Human observation	2022-08-07	501 group	Native		3	
Asparagaceae	<i>Yucca glauca</i>	Great Plains Yucca	Human observation	2022-10-08	iNaturalist	Native		4	
Asteraceae	<i>Ambrosia acanthicarpa</i>	Flatspine Bursage	Human observation	2023-10-13	iNaturalist	Native		4	
Asteraceae	<i>Ambrosia artemisiifolia</i>	Common Ragweed	Human observation	2021-10-01	iNaturalist	Native		1	
Asteraceae	<i>Ambrosia psilostachya</i>	Western Ragweed	Human observation	2022-08-21	501 group	Native		3	
Asteraceae	<i>Ambrosia</i> sp.	Ragweeds	Human observation	2020-09-20	iNaturalist	Unknown			
Asteraceae	<i>Ambrosia trifida</i>	Giant Ragweed	Preserved specimen	1895-08-09	GBIF	Non-native		0	
Asteraceae	<i>Arctium minus</i>	Lesser Burdock	Human observation	2021-09-26	501 group	Non-native	List C	0	
Asteraceae	<i>Artemisia biennis</i>	Biennial Wormwood	Human observation	2021-09-26	iNaturalist	Non-native		0	
Asteraceae	<i>Artemisia campestris</i>	Field Sagewort	Human observation	2023-10-13	iNaturalist	Native		5	
Asteraceae	<i>Artemisia cana</i>	Silver Sagebrush	Human observation	2023-10-13	iNaturalist	Native		5	
Asteraceae	<i>Artemisia dracuncululus</i>	Tarragon	Human observation	2022-08-16	iNaturalist	Native		3	
Asteraceae	<i>Artemisia ludoviciana</i>	Silver Wormwood	Human observation	2018-07-24	iNaturalist	Native		4	
Asteraceae	<i>Artemisia</i> sp.	Wormwoods And Sagebrushes	Human observation	2020-09-20	501 group	Unknown			
Asteraceae	Astereae sp.	Asters And Allies	Human observation	2018-11-01	iNaturalist	Unknown			
Asteraceae	Asteroideae sp.		Human observation	2020-09-19	iNaturalist	Unknown			
Asteraceae	<i>Bidens cernua</i>	Nodding Beggarticks	Human observation	2023-10-13	iNaturalist	Native		5	
Asteraceae	<i>Bidens frondosa</i>	Devil's Beggarticks	Human observation	2022-07-05	iNaturalist	Native		3	
Asteraceae	<i>Brickellia eupatorioides</i>	False Boneset	Human observation	2023-10-13	iNaturalist	Native		6	
Asteraceae	Carduinae sp.	Thistles And Burdocks	Human observation	2020-09-11	iNaturalist	Unknown			
Asteraceae	Carduoideae sp.	Thistles And Allies	Human observation	2020-09-10	iNaturalist	Unknown			
Asteraceae	<i>Carduus nutans</i>	Musk Thistle	Human observation	2021-09-19	501 group	Non-native	List B	0	
Asteraceae	<i>Carduus</i> sp.	Plumeless Thistles	Human observation	2020-09-07	iNaturalist	Non-native			
Asteraceae	<i>Chaetopappa ericoides</i>	Rose Heath	Human observation	2023-10-13	iNaturalist	Native		4	

Family	Scientific Name	Common Name	Observed/Preserved	Observation Date	Source	Native Status	Noxious Status	C-value	Status
Asteraceae	<i>Chrysothamnus viscidiflorus</i>	Yellow Rabbitbrush	Human observation	2023-10-13	iNaturalist	Native		5	
Asteraceae	<i>Cirsium arvense</i>	Creeping Thistle	Human observation	2021-09-14	501 group	Non-native	List B	0	
Asteraceae	<i>Cirsium</i> sp.	Thistles	Human observation	2017-06-13	iNaturalist	Unknown			
Asteraceae	<i>Conyza canadensis</i>	Horseweed	Human observation	2021-09-30	501 group	Native		1	
Asteraceae	<i>Coreopsis</i> sp.		Human observation	2020-09-02	iNaturalist	Unknown			
Asteraceae	<i>Coreopsis tinctoria</i>	Plains Coreopsis	Human observation	2022-06-21	501 group	Native		3	
Asteraceae	<i>Croptilon</i> sp.	Scratch Daisies	Human observation	2020-09-01	iNaturalist	Non-native			
Asteraceae	<i>Cyclachaena xanthiifolia</i>	Marshelder	Human observation	2021-10-03	iNaturalist	Native		2	
Asteraceae	<i>Dieteria bigelovii</i>	Bigelow's Tansyaster	Human observation	2018-09-15	iNaturalist	Native		3	
Asteraceae	<i>Dieteria canescens</i>	Hoary Tansyaster	Human observation	2023-10-13	501 group	Native		4	
Asteraceae	<i>Dieteria</i> sp.	Tansyasters	Human observation	2020-08-06	iNaturalist	Native			
Asteraceae	<i>Ericameria nauseosa</i>	Rubber Rabbitbrush	Human observation	2022-05-19	501 group	Native		3	
Asteraceae	<i>Ericameria</i> sp.	Goldenbushes	Human observation	2020-07-02	iNaturalist	Native			
Asteraceae	<i>Erigeron divergens</i>	Spreading Fleabane	Human observation	2023-10-13	iNaturalist	Native		4	
Asteraceae	<i>Erigeron</i> sp.	Fleabanes And Horseweeds	Human observation	2020-06-28	iNaturalist	Native			
Asteraceae	<i>Euthamia occidentalis</i>	Western Goldenrod	Human observation	2023-10-13	iNaturalist	Native		4	
Asteraceae	<i>Gaillardia × grandiflora</i>	Hybrid Blanketflower	Human observation	2020-05-12	iNaturalist	Native			
Asteraceae	<i>Gaillardia</i> sp.	Blanketflowers	Human observation	2020-05-12	iNaturalist	Native			
Asteraceae	<i>Grindelia</i> sp.	Gumplants	Human observation	2017-09-22	iNaturalist	Native			
Asteraceae	<i>Grindelia squarrosa</i>	Curlycup Gumweed	Human observation	2018-09-10	iNaturalist	Native		3	
Asteraceae	<i>Grindelia subalpina</i>	Subalpine Gumweed	Human observation	2023-10-13	iNaturalist	Native		4	
Asteraceae	<i>Gutierrezia sarothrae</i>	Broom Snakeweed	Human observation	2022-04-30	iNaturalist	Native		3	
Asteraceae	<i>Helianthus annuus</i>	Common Sunflower	Human observation	2021-09-29	501 group	Native		1	
Asteraceae	<i>Helianthus pauciflorus</i>	Stiff Sunflower	Human observation	2023-10-13	iNaturalist	Native		6	
Asteraceae	<i>Helianthus petiolaris</i>	Prairie Sunflower	Human observation	2021-10-03	iNaturalist	Native		2	
Asteraceae	<i>Helianthus</i> sp.	Sunflowers	Human observation	2020-04-22	iNaturalist	Native			
Asteraceae	<i>Heterotheca hirsutissima</i>	Hairy False Goldenaster	Human observation	2023-10-13	iNaturalist	Native		4	
Asteraceae	<i>Heterotheca</i> sp.	False Goldenasters	Human observation	2019-10-03	iNaturalist	Native			
Asteraceae	<i>Heterotheca subaxillaris</i>	Camphorweed	Human observation	2022-04-30	iNaturalist	Native		3	
Asteraceae	<i>Heterotheca villosa</i>	Hairy False Goldenaster	Human observation	2021-10-10	iNaturalist	Native		3	
Asteraceae	<i>Lactuca serriola</i>	Prickly Lettuce	Human observation	2021-05-30	iNaturalist	Non-native		0	
Asteraceae	<i>Leucanthemum vulgare</i>	Oxeye Daisy	Human observation	2021-05-27	iNaturalist	Non-native	List B	0	
Asteraceae	<i>Liatris</i> sp.	Blazing-Stars	Human observation	2019-08-28	iNaturalist	Native			
Asteraceae	<i>Machaeranthera tanacetifolia</i>	Tahoka Daisy	Human observation	2021-10-01	iNaturalist	Native		2	
Asteraceae	Machaerantherinae sp.		Human observation	2019-08-28	iNaturalist	Unknown			
Asteraceae	<i>Palafoxia sphacelata</i>	Othake	Preserved specimen	1895-09-17	GBIF	Native		5	
Asteraceae	<i>Pseudognaphalium</i> sp.	Rabbit-Tobaccos	Human observation	2021-04-08	iNaturalist	Native			

Family	Scientific Name	Common Name	Observed/Preserved	Observation Date	Source	Native Status	Noxious Status	C-value	Status
Asteraceae	<i>Pseudognaphalium stramineum</i>	Cottonbatting Plant	Human observation	2021-04-08	iNaturalist	Non-native		0	
Asteraceae	<i>Rayjacksonia annua</i>	Tansyaster	Human observation	2021-10-04	iNaturalist	Native		3	
Asteraceae	<i>Rudbeckia hirta</i>	Black-Eyed Susan	Human observation	2023-10-13	501 group	Native		6	
Asteraceae	<i>Rudbeckia laciniata</i>	Cutleaf Coneflower	Human observation	2023-10-13	iNaturalist	Native		6	
Asteraceae	<i>Rudbeckia sp.</i>	Black-Eyed Susans And Coneflowers	Human observation	2019-06-10	iNaturalist	Native			
Asteraceae	<i>Senecio flaccidus</i>	Threadleaf Groundsel	Human observation	2023-10-13	iNaturalist	Native		7	
Asteraceae	<i>Senecio riddellii</i>	Riddell's Ragwort	Human observation	2023-10-13	iNaturalist	Native		5	
Asteraceae	<i>Senecio sp.</i>	Groundsels	Human observation	2019-05-23	iNaturalist	Native			
Asteraceae	<i>Senecio spartioides</i>	Broom-Like Ragwort	Human observation	2017-09-24	iNaturalist	Native		5	
Asteraceae	Senecioneae sp.	Groundsels And Allies	Human observation	2019-05-22	iNaturalist	Unknown			
Asteraceae	<i>Solidago canadensis</i>	Canada Goldenrod	Human observation	2023-10-13	iNaturalist	Native		5	
Asteraceae	<i>Solidago gigantea</i>	Giant Goldenrod	Human observation	2023-10-13	501 group	Native		6	
Asteraceae	<i>Solidago missouriensis</i>	Missouri Goldenrod	Preserved specimen	1895-08-08	GBIF	Native		5	
Asteraceae	<i>Sonchus arvensis</i>	Perennial Sow Thistle	Human observation	2020-09-21	iNaturalist	Non-native	List C	0	
Asteraceae	<i>Sonchus arvensis uliginosus</i>	Smooth Field Sowthistle	Human observation	2020-09-21	iNaturalist	Non-native		0	
Asteraceae	<i>Sonchus sp.</i>	Sow Thistles	Human observation	2019-05-22	iNaturalist	Non-native			
Asteraceae	<i>Symphyotrichum ericoides</i>	White Heath Aster	Human observation	2018-09-15	iNaturalist	Native		4	
Asteraceae	<i>Symphyotrichum falcatum</i>	White Prairie Aster	Human observation	2017-09-24	iNaturalist	Native		4	
Asteraceae	<i>Symphyotrichum foliaceum</i>	Leafy Aster	Human observation	2023-10-13	iNaturalist	Native		5	
Asteraceae	<i>Symphyotrichum lanceolatum</i>	Paniced Aster	Human observation	2023-10-20	iNaturalist	Native		Unknown	
Asteraceae	<i>Symphyotrichum lanceolatum</i> var. <i>hesperium</i>	Siskiyou Aster	Human observation	2018-09-15	iNaturalist	Native		5	
Asteraceae	<i>Symphyotrichum porteri</i>	Smooth White Aster	Human observation	2018-09-15	iNaturalist	Native		6	
Asteraceae	<i>Symphyotrichum sp.</i>	American Asters	Human observation	2019-05-02	501 group				
Asteraceae	<i>Taraxacum officinale</i>	Common Dandelion	Human observation	2020-09-21	iNaturalist	Non-native		0	
Asteraceae	<i>Tragopogon dubius</i>	Yellow Salsify	Human observation	2020-09-21	iNaturalist	Non-native		0	
Asteraceae	<i>Tragopogon sp.</i>	Salsifies	Human observation	2019-04-28	iNaturalist	Non-native			
Asteraceae	<i>Xanthisma spinulosum</i>	Spiny Goldenweed	Human observation	2022-10-08	iNaturalist	Native		4	
Boraginaceae	<i>Asperugo procumbens</i>	Madwort	Human observation	2021-09-25	iNaturalist	Non-native		0	
Boraginaceae	<i>Cynoglossum officinale</i>	Houndstongue	Human observation	2021-08-31	501 group	Non-native	List B	0	
Boraginaceae	<i>Cynoglossum sp.</i>	Hound's-tongues	Human observation	2020-08-16	iNaturalist	Non-native			
Boraginaceae	<i>Oreocarya virgata</i>	Miner's Candle	Human observation	N/A	ELC Information Guide	Native		5	
Brassicaceae	<i>Alyssum sp.</i>	Alyssum	Human observation	2020-09-20	iNaturalist	Non-native			
Brassicaceae	<i>Barbarea orthoceras</i>	American Yellowrocket	Human observation	2023-10-13	iNaturalist	Native		5	
Brassicaceae	<i>Barbarea sp.</i>	Wintercresses	Human observation	2020-09-18	iNaturalist	Unknown			
Brassicaceae	<i>Barbarea vulgaris</i>	Bitter Wintercress	Human observation	2021-09-25	iNaturalist	Non-native		0	

Family	Scientific Name	Common Name	Observed/Preserved	Observation Date	Source	Native Status	Noxious Status	C-value	Status
Brassicaceae	<i>Berteroa incana</i>	Hoary Alyssum	Human observation	2021-09-24	iNaturalist	Non-native	Watch List	0	
Brassicaceae	<i>Capsella bursa-pastoris</i>	Shepherd's-Purse	Human observation	2021-09-23	iNaturalist	Non-native		0	
Brassicaceae	<i>Cardamine breweri</i>	Brewer's Bittercress	Preserved specimen	1895-08-08	GBIF	Native		7	
Brassicaceae	<i>Chorispora tenella</i>	Purple Mustard	Human observation	2021-09-14	GBIF	Non-native		0	
Brassicaceae	<i>Descurainia pinnata</i>	Western Tansymustard	Human observation	2021-08-15	iNaturalist	Native		2	
Brassicaceae	<i>Descurainia sophia</i>	Flixweed	Human observation	2021-07-28	iNaturalist	Non-native		0	
Brassicaceae	<i>Descurainia</i> sp.	Tansymustards	Human observation	2017-05-28	iNaturalist	Unknown			
Brassicaceae	<i>Hesperis matronalis</i>	Dame's Rocket	Human observation	2017-05-28	iNaturalist	Non-native	List B	0	
Brassicaceae	<i>Lepidium draba</i>	Hoary Cress	Human observation	2021-05-29	GBIF	Non-native	List B	0	
Brassicaceae	<i>Lepidium latifolium</i>	Perennial Pepperweed	Human observation	2021-05-29	GBIF	Non-native	List B	0	
Brassicaceae	<i>Lepidium perfoliatum</i>	Clasping Pepperweed	Human observation	2021-05-27	iNaturalist	Non-native		0	
Brassicaceae	<i>Lepidium</i> sp.	Pepperweeds	Human observation	2019-09-13	iNaturalist	Unknown			
Brassicaceae	<i>Nasturtium officinale</i>	Watercress	Human observation	2021-05-22	iNaturalist	Non-native		0	
Brassicaceae	<i>Sisymbrium altissimum</i>	Tall Tumblemustard	Human observation	2020-11-07	iNaturalist	Non-native		0	
Brassicaceae	<i>Sisymbrium irio</i>	London Rocket	Human observation	2020-09-24	iNaturalist	Non-native		0	
Brassicaceae	<i>Stanleya pinnata</i>	Golden Prince's Plume	Human observation	2017-06-14	iNaturalist	Native		5	
Brassicaceae	<i>Thlaspi arvense</i>	Field Penny-Cress	Human observation	2020-09-21	iNaturalist	Non-native		0	
Bryaceae	<i>Bryum</i> sp.		Human observation	2020-09-17	iNaturalist	Native			
Cactaceae	<i>Opuntia cymochila</i>	Grassland Pricklypear	Human observation	2023-10-20	iNaturalist	Native		Unsure	
Cactaceae	<i>Opuntia macrorhiza</i>	Prairie Pricklypear	Human observation	2021-10-05	501 group	Native		3	
Cactaceae	<i>Opuntia phaeacantha</i>	Brown-Spined Pricklypear	Human observation	2023-10-13	iNaturalist	Native		5	
Cactaceae	<i>Opuntia</i> sp.	Prickly Pears	Human observation	2017-06-13	iNaturalist	Unknown			
Campanulaceae	<i>Campanula rotundifolia</i>	Common Harebell	Human observation	2023-10-13	iNaturalist	Native		5	
Campanulaceae	<i>Lobelia siphilitica</i>	Great Blue Lobelia	Human observation	2023-10-20	iNaturalist	Native		7	
Cannabaceae	<i>Celtis occidentalis</i>	Common Hackberry	Human observation	2021-09-18	iNaturalist	Non-native		0	
Cannabaceae	<i>Humulus neomexicanus</i>	Common Hop	Preserved specimen	1924-08-14	GBIF	Native		5	
Caprifoliaceae	<i>Caprifolioideae</i> sp.		Human observation	2020-09-13	iNaturalist	Non-native			
Caprifoliaceae	<i>Dipsacus fullonum</i>	Wild Teasel	Human observation	2021-07-17	iNaturalist	Non-native	List B	0	
Caprifoliaceae	<i>Lonicera</i> sp.		Human observation	2019-08-28	iNaturalist	Unknown			
Caprifoliaceae	<i>Lonicera tatarica</i>	Tatarian Honeysuckle	Human observation	2021-05-25	iNaturalist	Non-native		0	
Caprifoliaceae	<i>Symphoricarpos</i> sp.	Snowberries	Human observation	2019-05-02	iNaturalist	Native			
Caryophyllaceae	<i>Cerastium arvense</i>	Field Chickweed	Human observation	2023-10-13	iNaturalist	Native		5	
Caryophyllaceae	<i>Gypsophila paniculata</i>	Baby's Breath	Preserved specimen	1989-07-15	GBIF	Non-native	Watch List	0	
Caryophyllaceae	<i>Saponaria officinalis</i>	Common Soapwort	Human observation	2020-11-07	iNaturalist	Non-native	List B	0	
Caryophyllaceae	<i>Silene drummondii striata</i>	Drummond's Campion	Human observation	2018-09-15	iNaturalist	Native		6	
Caryophyllaceae	<i>Silene latifolia</i>	White Campion	Human observation	2018-09-21	iNaturalist	Non-native		0	

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Caryophyllaceae	<i>Silene</i> sp.	Catchflies	Human observation	2019-05-22	iNaturalist	Unknown			
Caryophyllaceae		Pinks	Human observation	2019-04-27	iNaturalist				
Chenopodiaceae	<i>Bassia scoparia</i>	Kochia	Human observation	2021-09-25	501 group	Non-native		0	
Cleomaceae	<i>Cleome serrulata</i>	Rocky Mountain Beeplant	Human observation	2021-10-03	iNaturalist	Native		2	
Cleomaceae	<i>Polanisia dodecandra</i>	Redwhisker Clammyweed	Human observation	2018-09-15	iNaturalist	Native		1	
Commelinaceae	<i>Tradescantia occidentalis</i>	Western Spiderwort	Human observation	2023-10-13	iNaturalist	Native		5	
Convolvulaceae	<i>Convolvulus arvensis</i>	Field Bindweed	Human observation	2018-09-21	iNaturalist	Non-native	List C	0	
Cucurbitaceae	<i>Echinocystis lobata</i>	Wild Cucumber	Human observation	2022-05-19	501 group	Native		3	
Cupressaceae	<i>Juniperus scopulorum</i>	Rocky Mountain Juniper	Human observation	2023-10-13	iNaturalist	Native		5	
Cupressaceae	<i>Juniperus</i> sp.	Junipers	Human observation	2019-09-15	iNaturalist	Unknown			
Cyperaceae	<i>Carex nebrascensis</i>	Nebraska sedge	Human observation	2024-04-04	440 group	Native		5	
Elaeagnaceae	<i>Elaeagnus angustifolia</i>	Russian Olive	Human observation	2021-07-17	501 group	Non-native	List B	0	
Euphorbiaceae	<i>Anisophyllum</i> sp.	Sandmats	Human observation	2020-09-20	iNaturalist	Unknown			
Euphorbiaceae	<i>Euphorbia esula</i>	Leafy Spurge	Human observation	2021-06-21	501 group	Non-native	List B	0	
Euphorbiaceae	<i>Euphorbia serpillifolia</i>	Thymeleaf Sandmat	Human observation	2021-06-21	iNaturalist	Native		2	
Euphorbiaceae	<i>Euphorbia</i> sp.	Spurges	Human observation	2020-05-15	iNaturalist	Unknown			
Euphorbiaceae	<i>Euphorbia virgata</i>	Slender Leafy Spurge	Human observation	2021-06-11	iNaturalist	Non-native		0	
Fabaceae	<i>Amorpha fruticosa</i>	Desert False Indigo	Preserved specimen	1896-06-12	GBIF	Native		7	
Fabaceae	<i>Astragalus bisulcatus</i>	Two-Grooved Milkvetch	Human observation	2023-10-13	iNaturalist	Native		5	
Fabaceae	<i>Astragalus canadensis</i>	Canadian Milkvetch	Human observation	2023-10-13	iNaturalist	Native		5	
Fabaceae	<i>Astragalus cicer</i>	Chickpea Milkvetch	Human observation	2021-09-25	iNaturalist	Non-native		0	
Fabaceae	<i>Astragalus drummondii</i>	Drummond's Milkvetch	Preserved specimen	1899-06-06	GBIF	Native		6	
Fabaceae	<i>Astragalus flexuosus</i>	Flexile Milkvetch	Preserved specimen	1896-06-12	GBIF	Native		6	
Fabaceae	<i>Astragalus shortianus</i>	Short's Milkvetch	Preserved specimen	1898-06-06	GBIF	Native		7	
Fabaceae	<i>Astragalus</i> sp.	Milkvetches	Human observation	2020-09-19	iNaturalist	Unknown			
Fabaceae	<i>Astragalus tridactylus</i>	Foothills Milkvetch	Preserved specimen	1894-05-10	GBIF	Native		7	
Fabaceae	<i>Caragana arborescens</i>	Siberian Peashrub	Human observation	2021-09-21	iNaturalist	Non-native		0	
Fabaceae	<i>Glycyrrhiza lepidota</i>	Wild Licorice	Human observation	2022-05-01	501 group	Native		3	
Fabaceae	<i>Medicago sativa</i>	Alfalfa	Human observation	2021-05-25	501 group	Non-native		0	
Fabaceae	<i>Melilotus albus</i>	White Sweetclover	Human observation	2021-05-24	501 group	Non-native		0	
Fabaceae	<i>Melilotus officinalis</i>	Yellow Sweetclover	Human observation	2021-05-24	501 group	Non-native		0	
Fabaceae	<i>Psoralidium tenuiflorum</i>	Slimflower Scurfpea	Human observation	2023-10-13	iNaturalist	Native		5	
Fabaceae	<i>Robinia</i> sp.	Locust Trees	Human observation	2019-06-15	iNaturalist	Unknown			
Fabaceae	<i>Sophora nuttalliana</i>	Silky Sophora	Preserved specimen	1899-06-06	GBIF	Native		5	
Fabaceae	<i>Thermopsis divaricarpa</i>	Spreadfruit Goldenbanner	Human observation	2023-10-13	iNaturalist	Native		6	
Fabaceae	<i>Thermopsis montana</i>	Mountain Goldenbanner	Human observation	2023-10-13	iNaturalist	Native		6	
Fabaceae	<i>Thermopsis rhombifolia</i>	Goldenbanner	Human observation	2023-10-13	iNaturalist	Native		5	
Fabaceae	<i>Thermopsis</i> sp.		Human observation	2019-04-29	501 group	Native			

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Fagaceae	<i>Quercus gambelii</i>	Gambel Oak	Human observation	2017-06-12	iNaturalist	Native		5	
Funariaceae	<i>Funaria hygrometrica</i>	Bonfire Moss	Human observation	2021-06-01	iNaturalist	Native			
Geraniaceae	<i>Erodium cicutarium</i>	Redstem Stork's-Bill	Human observation	2021-06-21	iNaturalist	Non-native	List C	0	
Grossulariaceae	<i>Ribes aureum</i>	Golden Currant	Human observation	2023-10-13	iNaturalist	Native		6	
Juncaceae	<i>Juncus arcticus</i>	Arctic Rush	Human observation	N/A	ELC Information Guide	Native		4	
Juncaceae	<i>Juncus confusus</i>	Colorado Rush	Preserved specimen	2012-09-20	GBIF	Native		5	
Juncaceae	<i>Juncus torreyi</i>	Torrey's Rush	Preserved specimen	7/22/1893	SEINet	Native		5	
Lamiaceae	<i>Lavandula angustifolia</i>	Common Lavender	Human observation	2017-06-13	iNaturalist	Non-native		0	
Lamiaceae	<i>Leonurus cardiaca</i>	Common Motherwort	Human observation	2021-05-29	501 group	Non-native		0	
Lamiaceae	<i>Leonurus</i> sp.	Motherworts	Human observation	2019-09-15	iNaturalist	Unknown			
Lamiaceae	<i>Lycopus americanus</i>	American Bugleweed	Human observation	2023-10-13	501 group	Native		5	
Lamiaceae	<i>Lycopus asper</i>	Rough Bugleweed	Preserved specimen	1895-08-09	GBIF	Native		5	
Lamiaceae	<i>Mentha arvensis</i>	Corn Mint	Human observation	2018-09-15	iNaturalist	Native		4	
Lamiaceae	<i>Mentha</i> sp.	Mints	Human observation	2019-08-28	iNaturalist	Unknown			
Lamiaceae	<i>Nepeta cataria</i>	Catnip	Human observation	2021-05-20	501 group	Non-native		0	
Lamiaceae	<i>Scutellaria brittonii</i>	Britton's Skullcap	Preserved specimen	1898-06-06	GBIF	Native		6	
Lamiaceae		Mints	Human observation	2019-04-26	iNaturalist				
Linaceae	<i>Linum lewisii</i>	Lewis Flax	Human observation	2023-10-13	iNaturalist	Native		4	
Malvaceae	<i>Malva neglecta</i>	Dwarf Mallow	Human observation	2021-05-25	iNaturalist	Non-native		0	
Malvaceae	<i>Sphaeralcea coccinea</i>	Scarlet Globemallow	Human observation	2023-06-13	iNaturalist	Native		4	
Malvaceae	<i>Sphaeralcea</i> sp.	Globemallows	Human observation	2019-05-06	iNaturalist	Native			
Molluginaceae	<i>Mollugo verticillata</i>	Green Carpetweed	Human observation	2021-05-24	iNaturalist	Non-native		0	
Nyctaginaceae		Four O'Clocks	Preserved specimen	1897-08-12	GBIF				
Oleaceae	<i>Fraxinus pennsylvanica</i>	Green Ash	Human observation	2021-06-07	501 group	Non-native		0	
Oleaceae	<i>Syringa</i> sp.	Lilacs	Human observation	2017-05-14	iNaturalist	Non-native			
Oleaceae	<i>Syringa vulgaris</i>	Common Lilac	Human observation	2016-05-12	iNaturalist	Non-native		0	
Onagraceae	<i>Epilobium hirsutum</i>	Great Willowherb	Human observation	2021-06-30	iNaturalist	Non-native	List A	0	
Onagraceae	<i>Oenothera biennis</i>	Common Evening-Primrose	Human observation	2021-10-05	iNaturalist	Native		3	
Onagraceae	<i>Oenothera curtiflora</i>	Velvetweed	Human observation	2021-09-28	iNaturalist	Native		1	
Onagraceae	<i>Oenothera</i> sp.	Evening Primroses, Sundrops, And Beeblossoms	Human observation	2019-08-28	iNaturalist	Unknown			
Onagraceae	<i>Oenothera villosa</i>	Hairy Evening Primrose	Human observation	2023-10-12	iNaturalist	Native		4	
Onagraceae	<i>Oenothera villosa</i> var. <i>strigosa</i>	Hairy Evening-Primrose	Human observation	2018-09-15	iNaturalist	Native		4	
Papaveraceae	<i>Argemone polyanthemos</i>	Thistle Poppy	Human observation	2014-06-05	iNaturalist	Native		3	
Papaveraceae	<i>Argemone</i> sp.	Prickly Poppies	Human observation	2016-06-18	iNaturalist	Native			
Papaveraceae	<i>Corydalis aurea</i>	Golden Corydalis	Human observation	2023-10-13	iNaturalist	Native		5	
Papaveraceae	<i>Corydalis</i> sp.		Human observation	2020-09-02	iNaturalist	Native			

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Papaveraceae	<i>Fumaria officinalis</i>	Common Fumitory	Human observation	2021-06-03	iNaturalist	Non-native		0	
Papaveraceae	<i>Fumaria schleicheri</i>	Schleicher's Fumitory	Human observation	2021-06-01	iNaturalist	Non-native		0	
Papaveraceae	<i>Fumaria</i> sp.	Fumitories	Human observation	2020-05-15	iNaturalist	Non-native			
Papaveraceae	<i>Fumaria vaillantii</i>	Few-Flowered Fumitory	Human observation	2021-06-01	iNaturalist	Non-native		0	
Papaveraceae	<i>Papaver orientale</i>	Oriental Poppy	Human observation	2014-06-23	iNaturalist	Non-native		0	
Pinaceae	<i>Picea pungens</i>	Colorado Blue Spruce	Human observation	N/A	ELC Information Guide	Native		6	
Pinaceae	<i>Picea</i> sp.	Spruces	Human observation	2019-07-11	iNaturalist	Native			
Pinaceae	<i>Pinus ponderosa</i>	Ponderosa Pine	Human observation	2017-06-12	iNaturalist	Native		5	
Pinaceae	Trifoliae sp.	American Hard Pines	Human observation	2019-04-27	iNaturalist	Non-native			
Plantaginaceae	<i>Linaria dalmatica</i>	Balkan Toadflax	Human observation	2018-09-21	iNaturalist	Non-native	List B	0	
Plantaginaceae	<i>Linaria</i> sp.	Toadflax	Human observation	2019-08-28	iNaturalist	Unknown			
Plantaginaceae	<i>Linaria vulgaris</i>	Common Toadflax	Human observation	2021-05-25	iNaturalist	Non-native	List B	0	
Plantaginaceae	<i>Penstemon virgatus</i>	Upright Blue Beardtongue	Preserved specimen	1972-06-24	GBIF	Native		6	
Plantaginaceae	<i>Penstemon virgatus</i> var. <i>asa-grayi</i>	Gray's Beardtongue	Human observation	2023-10-13	iNaturalist	Native		6	
Plantaginaceae	<i>Veronica americana</i>	American Brooklime	Preserved specimen	1891-06-15	GBIF	Native		6	
Plantaginaceae	<i>Veronica anagallis-aquatica</i>	Blue Water-Speedwell	Human observation	2018-09-15	iNaturalist	Native		1	
Plantaginaceae	<i>Veronica</i> sp.	Speedwells	Human observation	2019-04-27	iNaturalist	Unknown			
Poaceae	<i>Agropyron cristatum</i>	Crested Wheatgrass	Human observation	2021-09-26	501 group	Non-native		0	
Poaceae	<i>Bouteloua curtipendula</i>	Sideoats Grama	Human observation	2023-10-13	iNaturalist	Native		6	
Poaceae	<i>Bouteloua dactyloides</i>	Buffalograss	Human observation	2023-10-13	iNaturalist	Native		4	
Poaceae	<i>Bouteloua gracilis</i>	Blue Grama	Human observation	2023-10-13	501 group	Native		4	
Poaceae	<i>Bromus inermis</i>	Smooth Brome	Human observation	2021-09-24	501 group	Non-native		0	
Poaceae	<i>Bromus</i> sp.	Bromes	Human observation	2020-09-17	iNaturalist	Unknown			
Poaceae	<i>Bromus tectorum</i>	Cheatgrass	Human observation	2021-09-23	501 group	Non-native	List C	0	
Poaceae	<i>Dactylis glomerata</i>	Orchard Grass	Human observation	2018-09-17	iNaturalist	Non-native		0	
Poaceae	<i>Distichlis spicata</i>	Saltgrass	Human observation	2021-07-17	501 group	Native		4	
Poaceae	<i>Echinochloa</i> sp.	Barnyard Grasses	Human observation	2018-09-15	iNaturalist	Non-native			
Poaceae	<i>Eragrostis cilianensis</i>	Stinkgrass	Human observation	2021-06-28	iNaturalist	Non-native		0	
Poaceae	<i>Eragrostis hypnoides</i>	Creeping Lovegrass	Preserved specimen	2012-09-20	GBIF	Native		4	
Poaceae	<i>Eragrostis</i> sp.		Human observation	2020-07-02	501 group	Native			
Poaceae	<i>Hordeum jubatum</i>	Foxtail Barley	Human observation	2021-10-01	iNaturalist	Native		2	
Poaceae	<i>Hordeum</i> sp.	Barleys	Human observation	2019-10-03	iNaturalist	Unknown			
Poaceae	<i>Leymus cinereus</i>	Great Basin Wildrye	Human observation	2023-10-13	iNaturalist	Native		5	
Poaceae	<i>Panicum capillare</i>	Witchgrass	Human observation	2021-09-27	501 group	Native		1	
Poaceae	<i>Pascopyrum smithii</i>	Western Wheatgrass	Human observation	2023-10-13	501 group	Native		5	
Poaceae	<i>Phalaris arundinacea</i>	Reed Canary Grass	Human observation	2021-09-27	501 group	Cryptogenic		1	

Family	Scientific Name	Common Name	Observed/Preserved	Observation Date	Source	Native Status	Noxious Status	C-value	Status
Poaceae	<i>Poa interior</i>	Interior Blue Grass	Preserved specimen	1899-06-28	GBIF	Native		6	
Poaceae	<i>Polypogon monspeliensis</i>	Rabbit's-foot Grass	Human observation	2021-04-29	501 group	Non-native		0	
Poaceae	Pooideae sp.		Human observation	2019-07-04	iNaturalist	Unknown			
Poaceae	<i>Setaria viridis</i>	Green Bristle Grass	Human observation	2020-11-07	501 group	Non-native		0	
Polygonaceae	<i>Persicaria hydropiper</i>	Waterpepper	Human observation	2021-05-15	501 group	Non-native		0	
Polygonaceae	<i>Persicaria lapathifolia</i>	Pale Smartweed	Human observation	2021-10-01	iNaturalist	Native		2	
Polygonaceae	<i>Persicaria maculosa</i>	Spotted Lady's Thumb	Human observation	2021-05-02	501 group	Non-native		0	
Polygonaceae	<i>Persicaria pensylvanica</i>	Pinkweed	Human observation	2018-09-15	iNaturalist	Native		1	
Polygonaceae	<i>Persicaria</i> sp.	Knotweeds, Smartweeds, And Waterpeppers	Human observation	2019-07-11	iNaturalist	Unknown			
Polygonaceae	<i>Polygonum arenastrum</i>	Oval Leaf Knotweed	Human observation	2021-04-29	iNaturalist	Non-native		0	
Polygonaceae	<i>Polygonum aviculare</i>	Prostrate Knotweed	Human observation	2021-04-29	iNaturalist	Non-native		0	
Polygonaceae	<i>Polygonum sawatchense sawatchense</i>	Johnston's Knotweed	Human observation	2023-10-13	iNaturalist	Native		6	
Polygonaceae	<i>Rumex crispus</i>	Curled Dock	Human observation	2021-03-28	iNaturalist	Non-native		0	
Polygonaceae	<i>Rumex stenophyllus</i>	Narrow-Leaf Dock	Preserved specimen	1978-07-01	GBIF	Non-native		0	
Ranunculaceae	<i>Anemonastrum canadense</i>	Canada Anemone	Preserved specimen	1895-08-09	GBIF	Native		8	
Ranunculaceae	<i>Halerpestes cymbalaria</i>	Alkali Buttercup	Preserved specimen	1891-05-11	GBIF	Native		4	
Rosaceae	<i>Agrimonia striata</i>	Roadside Agrimony	Preserved specimen	1895-08-09	GBIF	Native		7	
Rosaceae	<i>Cotoneaster pannosus</i>	Silverleaf Cotoneaster	Human observation	2021-09-06	iNaturalist	Non-native		0	
Rosaceae	<i>Fallugia paradoxa</i>	Apache Plume	Human observation	2023-10-13	iNaturalist	Native		6	
Rosaceae	<i>Malus</i> sp.	Apples	Human observation	2019-08-28	iNaturalist	Unknown			
Rosaceae	<i>Prunus americana</i>	American Plum	Human observation	2023-10-13	iNaturalist	Native		6	
Rosaceae	<i>Prunus cerasifera</i>	Cherry-Plum	Human observation	2021-04-13	iNaturalist	Non-native		0	
Rosaceae	<i>Prunus</i> sp.	Plums, Cherries, And Allies	Human observation	2019-06-19	iNaturalist	Unknown			
Rosaceae	<i>Prunus virginiana</i> var. <i>melanocarpa</i>	Black Chokecherry	Human observation	2023-09-02	iNaturalist	Native		4	
Rubiaceae	<i>Galium aparine</i>	Velcroweed	Human observation	N/A	ELC Information Guide	Native		1	
Salicaceae	<i>Populus × acuminata</i>	Lanceleaf Cottonwood	Human observation	2012-06-19	iNaturalist	Native		5	
Salicaceae	<i>Populus angustifolia</i>	Narrowleaf Cottonwood	Human observation	2023-10-13	iNaturalist	Native		5	
Salicaceae	<i>Populus deltoides</i> ssp. <i>monilifera</i>	Plains Cottonwood	Human observation	2023-09-05	501 group	Native		3	
Salicaceae	<i>Populus</i> sp.	Poplars, Cottonwoods, And Aspens	Human observation	2017-06-12	iNaturalist	Unknown			
Salicaceae	<i>Salicaceae</i> sp.	Cottonwoods	Human observation	2019-06-06	iNaturalist	Unknown			
Salicaceae	<i>Salix × fragilis</i>	Hybrid Crack Willow	Human observation	2021-03-02	501 group	Non-native		0	
Salicaceae	<i>Salix amygdaloides</i>	Peach-leaf Willow	Human observation	2023-10-13	501 group	Native		5	
Salicaceae	<i>Salix exigua</i>	Narrowleaf Willow	Human observation	2021-10-04	501 group	Native		3	
Salicaceae	<i>Salix laevigata</i>	Red Willow	Human observation	2021-02-08	iNaturalist	Non-native		0	

Family	Scientific Name	Common Name	Observed/Preserved	Observation Date	Source	Native Status	Noxious Status	C-value	Status
Salicaceae	<i>Salix</i> sp.	Willows	Human observation	2017-06-13	iNaturalist	Unknown			
Sapindaceae	<i>Acer negundo</i>	Boxelder	Human observation	2023-10-13	501 group	Native		4	
Sapindaceae	<i>Acer</i> sp.	Maples	Human observation	2020-09-20	iNaturalist	Unknown			
Scrophulariaceae	<i>Penstemon angustifolius</i>	Broadbeard Beardtongue	Preserved specimen	6/6/1899	SEINet	Native		5	
Scrophulariaceae	<i>Verbascum</i> sp.	Mulleins	Human observation	2019-04-27	iNaturalist	Non-native			
Scrophulariaceae	<i>Verbascum thapsus</i>	Great Mullein	Human observation	2020-09-20	501 group	Non-native	List C	0	
Solanaceae	<i>Physalis heterophylla</i>	Clammy Groundcherry	Human observation	2023-10-13	iNaturalist	Native		5	
Solanaceae	<i>Physalis virginiana</i>	Virginia Groundcherry	Human observation	2023-09-25	iNaturalist	Native		4	
Tamaricaceae	<i>Tamarix ramosissima</i>	Saltcedar	Human observation	2020-09-21	iNaturalist	Non-native		0	
Typhaceae	<i>Typha angustifolia</i>	Narrow-Leaved Cattail	Human observation	2021-09-26	501 group	Cryptogenic		1	
Typhaceae	<i>Typha latifolia</i>	Broadleaf Cattail	Human observation	2023-05-06	iNaturalist	Native		4	
Ulmaceae	<i>Ulmus americana</i>	American Elm	Human observation	2020-09-21	501 group	Non-native		0	
Ulmaceae	<i>Ulmus pumila</i>	Siberian Elm	Human observation	2020-09-20	501 group	Non-native	Watch List	0	
Ulmaceae	<i>Ulmus</i> sp.	Elms	Human observation	2017-06-12	iNaturalist	Non-native			
Urticaceae	<i>Urtica dioica</i>	Great Stinging Nettle	Human observation	2021-10-04	iNaturalist	Native		3	
Verbenaceae	<i>Verbena bracteata</i>	Bracted Vervain	Preserved specimen	1972-06-24	GBIF	Native		2	
Verbenaceae	<i>Verbena hastata</i>	Blue Vervain	Human observation	2018-07-24	iNaturalist	Native		4	
Vitaceae	<i>Parthenocissus quinquefolia</i>	Virginia Creeper	Human observation	2021-05-16	501 group	Non-native		0	
Zygophyllaceae	<i>Tribulus terrestris</i>	Puncture Vine	Human observation	2020-09-21	iNaturalist	Non-native	List C	0	

Table 8. Complete species list of fungi found on the ELC, including documented human observations and preserved specimens.

Family	Scientific Name	Common Name	Observed/Preserved	Observation Date	Source
Clitocybaceae	<i>Clitocybe brunneocephala</i>	Brownit	Human observation	2021-05-18	iNaturalist
Coprinaceae	<i>Coprinus comatus</i>	Shaggy Mane	Human observation	2019-10-03	iNaturalist
Hymenogastraceae	<i>Agrocybe praecox</i>	Spring Fieldcap	Human observation	2021-05-15	iNaturalist
Hymenogastraceae	<i>Hemipholiota populnea</i>	Destructive Pholiota	Human observation	2022-10-04	iNaturalist
Hymenogastraceae			Human observation	2023-06-12	iNaturalist
Lycoperdaceae		Puffballs	Human observation	2023-08-07	iNaturalist
Lyophyllaceae	<i>Hypsizygus sp.</i>		Human observation	2023-10-02	iNaturalist
Lyophyllaceae	<i>Hypsizygus ulmarius</i>	Elm Mushroom	Human observation	2023-10-13	501 group
Pleurotaceae	<i>Pleurotus pulmonarius</i>	Summer Oyster Mushroom	Human observation	2021-06-21	iNaturalist
Pleurotaceae	<i>Pleurotus sp.</i>	Oyster Mushrooms	Human observation	2022-04-30	iNaturalist
Pleurotaceae			Human observation	2021-05-30	iNaturalist
Pluteaceae	<i>Volvariella sp.</i>	Rosegills	Human observation	2023-08-07	iNaturalist
Polyporaceae	<i>Coriolopsis gallica</i>	Brownflesh Bracket	Human observation	2023-05-21	iNaturalist
Polyporaceae	<i>Lentinus arcularius</i>	Spring Polypore	Human observation	2021-05-18	iNaturalist
Polyporaceae	<i>Trametes hirsuta</i>	Hairy Bracket	Human observation	2022-09-26	iNaturalist
Psathyrellaceae	<i>Coprinellus sp.</i>		Human observation	2023-05-15	iNaturalist
Psathyrellaceae	<i>Parasola plicatilis</i>	Pleated Inkcap	Human observation	2023-08-07	iNaturalist
Psathyrellaceae			Human observation	2021-09-30	iNaturalist
Teloschistaceae	<i>Xanthomendoza fallax</i>	Hooded Sunburst Lichen	Human observation	2022-01-22	iNaturalist