Systematic Conservation Planning in the Wyoming Basins

Kei Sochi, Michael Heiner, Holly Copeland, Amy Pocewicz and Joseph Kiesecker • 2013
Acknowledgements

We wish to thank all those who contributed to the completion of this project. We are grateful to the Wyoming Natural Diversity Database (WYNDD), the Colorado Natural Heritage Program (CNHP), the Utah Conservation Data Center, the Montana Natural Heritage Program, Colorado Parks and Wildlife, and the Wyoming Game and Fish Department for providing advice and spatial data. We thank our colleagues in the Wyoming, Colorado, Utah, Idaho and Montana chapters of The Nature Conservancy for providing review and data to the effort. In particular, the decisions made at different stages of the planning process were greatly improved by the insights and knowledge of Terri Schulz, Chris Pague, John Sanderson and Betsy Neely (The Nature Conservancy), Renee Ronadeau (CNHP) and Gary Beauvais, George Jones, Bonnie Heidel, Doug Keinath, Mark Anderson and Melanie Arnett (WYNDD). Funding for this project was provided by QEP Resources (formerly Questar Corporation).
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Executive Summary

1. The Wyoming Basins Ecoregion (WBE) comprises 13.3 million hectares of basin, plain, desert, and “island” mountains in Wyoming, Montana, Idaho, Colorado, and Utah (Bailey 1996). The area is a stronghold for the greater sage-grouse (Centrocercus urophasianus), an emblematic native game bird now being considered for listing under the Endangered Species Act. The WBE is also home to some of the western United States richest oil and gas deposits (Copeland et al. 2009) and best wind resources (Kiesecker et al. 2011b) including some that intersect areas selected in the ecoregional assessment conducted in 2001 (Freilich et al. 2001).

2. We identified a set of areas that could maintain the biodiversity and ecological processes representative of the region, given adequate protection and management as high quality core habitat within a larger landscape matrix that supports habitat use and movement. This set of priority conservation areas is referred to as a portfolio. The methods that we used were developed to address the scope and scale of conservation planning across the study area using available data. Focal biodiversity elements, or targets, are 108 focal species, including Sage Grouse core areas, and a mapped ecosystem classification that consists of three levels: biogeographic zones, ecosystems based on vegetation, and landforms. We designed the portfolio to a) meet representation goals for the amount and distribution of each focal species and ecosystem type and b) optimize for ecological condition based on a GIS index of disturbance and cumulative anthropogenic impacts. To ensure long-term viability of biodiversity, additional consideration should be given to the maintenance of connectivity between sites.

3. The portfolio includes a) lands in GAP status 1 and 2 and b) sites selected with the conservation planning software MARXAN to meet representation goals for ecosystems and target species while optimizing ecological condition. The portfolio covers 5,931,000 ha, or 43% of the study area, and consists of 132 sites that range in size from 1,000 ha to 804,000 ha. Lands in gap status 1 and 2 make up 10% of the portfolio area. Sage Grouse core areas make up 54% of the portfolio and 60% of the Sage Grouse core areas can be found in the portfolio. 62% of the portfolio is either a Sage Grouse Core Area or Gap status 1 and 2 lands. To evaluate the significance to conservation of all planning units across the study area, we developed an index of the relative contribution of each planning unit to the MARXAN optimization.

4. We identified areas of potential conflict between the conservation portfolio and areas leased for wind or petroleum development. Approximately 10% of the portfolio lies in areas of potential oil and gas or wind development. In portfolio areas that contain occurrences of very rare species, and are therefore critical to maintaining the viability of the targets, the overlap with oil, gas and wind development is less (2%). In these critical areas, development should be avoided or minimized to the degree necessary to maintain the viability of the targets. Energy development will still pose a significant challenge for the ecoregion given potential cumulative impacts.
INTRODUCTION

Purpose of this study:

Estimates suggest that the Wyoming Basins Ecoregion has only seen 10-20% of the energy development projected over the next 30 years (Copeland et al. 2009, 2011, Kiesecker et al. 2011b). Ideally, the scientific analysis of where and how to compensate for energy development will be developed early in the development process. The current study addresses those questions at a landscape, or ecoregional, scale. Going forward, TNC hopes its conservation science will influence the siting of development to avoid conflict within the most sensitive areas. The primary goal of this study was to assess the spatial distribution needs of biological targets and energy development in the Wyoming Basins Ecoregion and identify potential conflicts between the two. The result is a framework for evaluating strategies to circumvent these conflicts. These strategies include avoidance, minimization and offsite mitigation. The landscape-level perspective is essential to ensure that cumulative impacts are considered and field-level assessments align with ecoregional goals.

Offsite mitigation is currently one tool that is being used to abate impacts associated with oil and gas development in the Wyoming Basins Ecoregion (Kiesecker et al. 2009). One of the key questions concerning the use of offsite mitigation is when it can and when it cannot be used. The Nature Conservancy’s ecoregional planning process provides a framework to address this important question (Kiesecker et al. 2010, Heiner et al. 2011). Because this process is goal-driven, it provides a framework with which to guide the decisions regarding offsite mitigation. For example, a proposed development project may occur in an area that is critical to meeting the viability goals of one or more focal targets. If the portfolio cannot be re-designed to meet representation and viability goals elsewhere and loss of this area would make meeting viability goals for this target impossible, then this site should be considered for avoidance or minimization of impacts in order to ensure continued viability of this target.

Conservation scientists and practitioners have used regional conservation assessments around the world to support and guide comprehensive and representative biodiversity protection (e.g. Cowling and Pressey 2003; Noss 2003; Groves 2003; Groves et al. 2002; Dinerstein et al. 2000; Margules and Pressey 2000). In addition to identifying important places, these assessments help organize and update biodiversity information; develop, implement and prioritize strategies; evaluate success, and inform adaptive management of conservation investments and actions. The Nature Conservancy and its partners have completed over 100 ecoregional assessments around the world over the past 20 years. By considering future land use changes that will drive mitigation decisions, these assessments can identify important synergies that will produce better outcomes for conservation and business (Kiesecker et al. 2010, Kiesecker et al. In Press).

Project Benefits:

- Conservation action directed from an ecoregional perspective ensures long-term viability of biological targets and provides a better return on conservation investments.
- Identifying conflict areas upfront provides industry with information that can be used in making *business decision on where and when to develop areas, providing industry with better risk management.*
The Study Area

Figure 1. Wyoming Basins Ecoregion

The Wyoming Basins Ecoregion (WBE) comprises 13.3 million hectares of basin, plain, desert, and “island” mountains in Wyoming, Montana, Idaho, Colorado, and Utah (Bailey 1996). The Wyoming Basins Ecoregion (WBE) was defined and delineated first by Bailey et al. (1994) and incorporated into a global map of terrestrial ecoregions (Olson et al. 2001). The boundary has since been refined by The Nature Conservancy (2009), as shown in Figure 1. The WBE lies on the continental divide and contains headwaters of the Big Horn, Platte, Green, and Yampa Rivers. The area is a stronghold for the greater sage-grouse (Centrocercus urophasianus), an emblematic native game bird now being considered for listing under the Endangered Species Act (FWS 2010). The ecoregion provides critical habitat for migratory big game, songbirds and raptors within the reaches of the Greater Yellowstone Ecosystem. Some of the world’s largest herds of mule deer (Odocoileus hemionus) and pronghorn antelope (Antilocarpa americana) winter here, relying on the snow-free forage to get them through harsh winter weather.

Over 60% of the ecoregion is publicly owned and managed (56% federal and 7% state) with an additional 34% in private and 6% in tribal ownership (see Table 1, Figure 2). The largest public land manager is the Bureau of Land Management which is responsible for 51% of the ecoregion. While a portion of those BLM lands (e.g., ACECs, Wilderness Areas) are managed for biodiversity, the bulk are managed for multiple uses and are subject to extractive uses. Tribal lands within the ecoregion include the Uintah and Ouray Indian Reservation in Utah and the Wind River Reservation in Wyoming.

The WBE is also home to some of the western United States richest oil and gas deposits (US DOI 2006) including some that intersect areas selected in the ecoregional assessment. In fact, the expected to increase over the next 30 years (Copeland et al. 2007, Doherty et al. 2009).

Table 1. Land ownership in the Wyoming Basins ecoregion (source: USGS 2011)

<table>
<thead>
<tr>
<th>Land Ownership</th>
<th>Hectares</th>
<th>Acres</th>
<th>% of Ecoregion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bureau of Land Management (BLM)</td>
<td>6,762,058</td>
<td>16,709,044</td>
<td>51%</td>
</tr>
<tr>
<td>Bureau of Reclamation (BOR)</td>
<td>309,848</td>
<td>765,634</td>
<td>2%</td>
</tr>
<tr>
<td>Fish and Wildlife Service (FWS)</td>
<td>46,065</td>
<td>113,826</td>
<td>&lt; 1%</td>
</tr>
<tr>
<td>Forest Service (USFS)</td>
<td>77,278</td>
<td>190,954</td>
<td>1%</td>
</tr>
<tr>
<td>National Park Service (NPS)</td>
<td>20,061</td>
<td>49,570</td>
<td>&lt; 1%</td>
</tr>
<tr>
<td>State</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>State Lands</td>
<td>899,056</td>
<td>2,221,566</td>
<td>7%</td>
</tr>
<tr>
<td>Federal</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Private Conservation Land</td>
<td>93,625</td>
<td>231,346</td>
<td>1%</td>
</tr>
<tr>
<td>Private (Unprotected)</td>
<td>4,459,499</td>
<td>11,019,421</td>
<td>33%</td>
</tr>
<tr>
<td>Tribal</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Native American Lands</td>
<td>746,320</td>
<td>1,844,157</td>
<td>6%</td>
</tr>
</tbody>
</table>

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Figure 2. Land ownership in the Wyoming Basins Ecoregion
Conservation of the biological diversity in this ecoregion is in question, in part, because the U.S. government has authorized exploration and development in 4 million of the 8 million ha (52%) of the federal mineral estate within the ecoregion (Doherty et al. 2009).

**Development by Design**

The Nature Conservancy is working to balance development with conservation through a science-based approach called “Development by Design” (Kiesecker et al. 2009, Kiesecker et al. 2010, McKenney and Kiesecker 2010, Kiesecker et al 2011a). Development by Design (DbyD) blends landscape conservation planning with the mitigation hierarchy — avoid, minimize, restore, or offset — to identify situations where development plans and conservation outcomes may be in conflict, and to identify which step of the mitigation hierarchy is consistent with conservation goals. For development impacts that are consistent with conservation goals, DbyD seeks to maximize the return to conservation provided by compensatory mitigation, or biodiversity offsets. The four-step DbyD framework supports sound land use planning, helping decision-makers avoid and mitigate conflicts between development impacts and conservation priorities, and supporting the use of compensating conservation actions (offsets) to achieve better outcomes for people and nature.

DbyD is applied for two distinct spatial scales. First, DbyD focuses at a landscape level (see Study Area below) to evaluate conservation priorities, assess cumulative impacts in the region, identify potential conflicts between development and conservation goals, and inform decision-making about where avoidance and minimization of impacts should be a priority consideration (Steps 1 & 2). Second, DbyD is applied at a project or site level (mining or energy site) to assess project impacts and their suitability for offsets, and where appropriate support design of an offsets strategy for mitigating these impacts (Steps 3 & 4).

**Landscape Level:**
1. Develop a landscape conservation plan (or use an existing conservation plan such as an Ecoregional Assessment)
2. Blend landscape planning with the mitigation hierarchy to evaluate conflicts based on vulnerability and irreplaceability

**Project Level:**
3. Determine residual impacts associated with development and select optimal offset portfolio.
4. Estimate offset contribution to conservation goals

This study focuses on providing a landscape-level analysis, as this is essential for addressing the first critical question concerning the application of mitigation: when should impacts from planned developments (mining, energy) be avoided altogether, minimized onsite, or offset (Kiesecker et al. 2010, Thorne et al. 2009)? Conservation planning, in particular the ecoregional assessment (e.g. Groves 2003) carried out for this study, provides the structure to ensure mitigation is consistent with conservation goals, maintaining large and resilient ecosystems to support human communities and healthy wildlife habitat. Blending the mitigation hierarchy with landscape planning offers distinct advantages over the traditional project-by-project approach because it: 1) considers the cumulative impacts of both current and projected development; 2) provides regional context to better guide which step of the mitigation hierarchy should be applied (i.e. avoidance versus offsets); and 3) offers increased flexibility for choosing offsets that
can maximize conservation return by focusing efforts towards the most threatened ecosystems or species.

**Conservation Planning**

Systematic conservation planning is a methodical and comprehensive process for identifying a set of places or areas that, together, represent the majority of species, natural communities, and ecological systems found within a planning area. Landscape-level planning and action is rapidly emerging as a necessary strategy for achieving conservation results (Olson et al. 2001). A conservation portfolio of priority sites, the end product of conservation planning, is a set of areas selected to represent the full distribution and diversity of these systems (e.g. Noss et al. 2002). Often systematic conservation plans utilize an optimization approach automated with spatial analysis tools such as MARXAN (Ball and Possingham 2000), where the design of the portfolio is meant to meet the minimum viability needs of each biological target in a configuration that minimizes the amount of area selected (Pressey et al. 1997, Ball 2000, Ball and Possingham 2000). Thus, even though areas outside of a portfolio have not been selected they may still have value at meeting biodiversity goals.

The key feature of a conservation plan is the clear articulation of a biodiversity vision that incorporates the full range of biological features, how they are currently distributed, and what minimum needs each feature has to maintain long-term persistence (i.e. Lovejoy 1980, Armbruster and Lande 1993, Doncaster et al. 1996). The creation of a vision and the implementation of the conservation strategy depend on the active involvement of host governments, experts of many disciplines, development organizations, and citizens of countries or states within the region. The ultimate goal is a conservation strategy with specific action plans that are widely embraced and implemented by the stakeholders.

*Figure 3. Portfolio Design Process*
This approach is based on ecoregional assessment practices and standards described by Groves et al. (2002), Groves (2003) and Higgins & Esselman (2006). The basic components of these approaches are: (1) define and map a suite of biodiversity targets including species, ecosystems or other features that collectively represent the biological diversity of the study area; (2) set quantitative goals for the estimated abundance and distribution of biodiversity targets necessary to maintain ecological and evolutionary potential over time; (3) evaluate the relative viability and ecological integrity of, and threats to, occurrences (populations and examples of communities and ecosystems) of the suite of biodiversity targets; (4) use this information to identify the occurrences of biodiversity targets that collectively meet representation goals and are the most likely to persist, i.e. are viable, with highest relative ecological integrity and minimal risk from future threats. A diagram illustrating this process is shown in Figure 3.

Previous regional conservation plans

A number of regional planning efforts have been completed for the Wyoming Basins and have made important contributions to conservation efforts in the region, but none have examined the intersection between future energy development and conservation priorities. In 2001, TNC completed the original Wyoming Basins Ecoregional Plan (Freilich et al 2001). The portfolio of sites identified by the 2001 plan (Freilich et al. 2000) totals 3.5 million hectares or 27% of the total area in the ecoregion. This assessment is due for revision because during the ten years since completion, new biological information is available and there has been a dramatic acceleration of energy development in the ecoregion. The Wyoming State Wildlife Action Plan (SWAP), published in 2005, was produced to provide a long-term coordinated strategy across the state for species of greatest conservation need (WGFD 2010). The Wyoming SWAP identified species of greatest conservation need (SGCN), important habitat types and priority conservation areas. A 2011 assessment of the Wyoming Basins led by the USGS (Hanser et al 2011) produced a series of analyses and distribution models for species associated with the sagebrush system but did not identify priority conservation areas.
METHODS

Overview

Our objective was to identify a portfolio of sites that support the native biodiversity and ecological processes representative of the Wyoming Basins. To define biodiversity elements, we compiled information to represent the distributions of 75 focal species, including Sage Grouse core areas, and developed a terrestrial ecosystem classification based on biogeographic zones, ecological systems based on vegetation and landforms. We designed the portfolio to meet the following criteria:

- **Representation**: meet goals for a specified number or amount of each biodiversity element needed to maintain their ecological and evolutionary potential over time. We defined biodiversity elements to include 75 focal species and 33 ecosystems, and set representation goals for area and amount of each element.

- **Ecological Condition**: ensure that the selected areas contain biodiversity targets that have the highest relative viability or ecological integrity, as measured by an index of disturbance from human impacts.

- **Efficiency**: The portfolio contains the least area and number of sites that meet biodiversity goals.

- **Connectivity**: where there is a choice, select adjacent planning units in contiguous groups, following the general principle that a portfolio consisting of fewer, larger contiguous sites is preferable to one consisting of many, smaller sites. This does not consider landscape connectivity beyond adjacent first-order neighbors.

We designed the portfolio in two stages:

1. **Existing protected areas.** We identified areas already managed primarily for the maintenance of biodiversity and with protections against land conversion using the USGS GAP land status rankings within the Wyoming Basins (USGS 2011). Specifically, lands ranked as GAP status 1 and 2 (see Table 2 for expanded definitions) were used as a foundation, or starting point, for portfolio design. These lands included Research Natural Areas, Wilderness areas, National Monuments, Areas of Critical Environmental Concern, selected habitat management areas and state parks and privately conserved lands (including TNC preserves and conservation easements).

2. **Site selection.** Through a GIS analysis, we identified a set of areas that, in combination with existing protected areas would meet representation goals for species and ecosystems. This analysis involved four steps. First, compile data describing the distribution of focal species. Second, develop a terrestrial ecosystem classification to define and map terrestrial habitat types based on a hierarchy of biogeographic zones; ecosystem types based on vegetation; and landforms. Third, develop an index of ecological disturbance derived from spatial data representing current human impacts, to identify areas that are ecologically degraded and areas with competing economic values. Fourth, conduct site selection using a conservation planning software (MARXAN) to identify a set of planning units that, in combination with existing protected areas, meets representation goals for focal species and ecosystems in a configuration
### Table 2. GAP status categories and distribution across the Wyoming Basins
(see http://www.gap.uidaho.edu/padus/PADUS1_2_metadata_html.html)

<table>
<thead>
<tr>
<th>GAP status</th>
<th>Definition</th>
<th>Hectares</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status 1</td>
<td>An area having permanent protection from conversion of natural land cover and a mandated management plan in operation to maintain a natural state within which disturbance events (of natural type, frequency, intensity, and legacy) are allowed to proceed without interference or are mimicked through management. <em>(examples include: Research Natural Areas, National Wildlife Refuges, selected private conservation lands)</em></td>
<td>39,970</td>
</tr>
<tr>
<td>Status 2</td>
<td>An area having permanent protection from conversion of natural land cover and a mandated management plan in operation to maintain a primarily natural state, but which may receive uses or management practices that degrade the quality of existing natural communities, including suppression of natural disturbance. <em>(examples include: Areas of Critical Environmental Concern, Wilderness Areas, Habitat or Species Management Areas)</em></td>
<td>482,231</td>
</tr>
<tr>
<td>Status 3</td>
<td>An area having permanent protection from conversion of natural land cover for the majority of the area, but subject to extractive uses of either a broad, low-intensity type (e.g., logging, OHV recreation) or localized intense type (e.g., mining). It also confers protection to federally listed endangered and threatened species throughout the area. <em>(examples include: State Parks, State Trust Lands, Recreation Management Areas)</em></td>
<td>7,691,989</td>
</tr>
<tr>
<td>Status 4</td>
<td>There are no known public or private institutional mandates or legally recognized easements or deed restrictions held by the managing entity to prevent conversion of natural habitat types to anthropogenic habitat types. The area generally allows conversion to unnatural land cover throughout or management intent is unknown. <em>(examples include: Private land with no designation, undesignated BLM lands)</em></td>
<td>5,201,987</td>
</tr>
</tbody>
</table>

that optimizes for ecological condition and connectivity (contagion).

### Biodiversity Targets

The essential feature of systematic conservation planning is the clear articulation of a biodiversity vision that incorporates the full range of biological features, how they are currently distributed, and the minimum needs of each feature to maintain long-term persistence. Given the complex organization of biological systems and the limits of existing data and knowledge, it is neither feasible nor desirable to analyze individually the many thousands of biodiversity targets for a given region. Therefore, we must select an effective representative subset of species and environmental features, or biodiversity targets, a) that best represents the broad range of native biodiversity and b) for which data exists to map current distributions.

Biodiversity is expressed at a variety of spatial scales and ecological levels of organization. Therefore, a comprehensive regional vision must consider spatial scales and levels of organization from species to ecosystems (Noss 1996, Margules and Pressey 2003, Groves 2003). Biodiversity targets can be organized by spatial scale in a framework created by Poiani et al (2000) that defines local, intermediate, coarse and regional scales.
Regional conservation plans often apply a ‘coarse filter / fine filter approach’ to define biodiversity targets. This includes treatment of all ecosystem types (the coarse-filter) and a sub-set of natural communities and species which will not be well represented by ecosystems alone (the fine filter), such as those that are rare, with highly specific habitat requirements, or are migratory over long distances (Groves et al 2002; Groves 2003). The coarse-filter premise is that conserving representative ecosystems conserves many common species and communities, species that are unknown or poorly sampled, and the environments in which they evolve (Jenkins et al 1976, Hunter 1991). A sole focus on species is not adequate because species sampling data does not represent the environmental matrix and broad-scale processes necessary to maintain habitat.

This coarse filter/fine filter approach has ecological advantages in that it considers multiple scales of organization, environmental patterns and processes that influence habitat structure and function. Choosing targets that represent the range of environmental gradients and settings is a way to address the dynamic nature of ecosystems and the uncertain impacts of climate change (Hunter 1988, Halpin 1998, Groves 2003, Beier & Brost 2010, Anderson & Ferree 2010).

This approach also has practical advantages in that it makes best use of available data to represent the full range of representative biodiversity with a practical number of targets. Our knowledge regarding species ranges and habitat needs will always be incomplete. As coarse filter targets, ecosystems can often be mapped with available GIS data. This alone provides a basis for conservation planning and fills a significant information gap. Fine-filter species and natural community data are typically more limited and dependent on survey effort, and therefore vary in geographic coverage. Thus, the coarse but geographically consistent ecosystem classification complements the locally accurate but uneven coverage of species data.

**Focal Species (fine-filter)**

We used several criteria to select fine-filter targets for the Wyoming Basins (see Appendix A for a list of species targets, their associated G ranks, and source data). These criteria included:

1. **Imperiled species**: species that have a global rank of G1-G2 (T1-T2) as defined by NatureServe (http://www.natureserve.org/explorer/ranking.htm) and considered critically imperiled across its entire range;
2. **Endangered and threatened species**: species that are federally listed or proposed for listing under the Endangered Species Act (ESA);
3. **Species of special concern**: Species that are ranked G3 (vulnerable) – G5 (secure) by NatureServe, but warrant consideration based on additional considerations, such as:
   a. **Declining species**: species that are exhibiting significant, long-term declines in habitat and/or population numbers and are facing continued high levels of threats. We referred to published findings, Partner in Flight ranks, and expert opinion to determine which species were declining.
   b. **Endemic species**: species restricted to the ecoregion and therefore are likely to be more vulnerable than species more broadly distributed.
   c. **Disjunct species**: species that have populations that are geographically isolated from its primary range.
   d. **Limited species**: species that occur in the ecoregion and only within a few other adjacent ecoregions.
e. **Wide-ranging**: species that typically depend on large areas but may not be well-captured by the coarse-filter targets because they tend to range across multiple coarse filter types.

f. **Species aggregations**: critical migratory stopover sites that contain significant numbers of migratory individuals of any species.

We identified 75 focal species (fine filter targets), listed in Table 3, that meet at least one of the criteria above and for which sufficient data was available to reliably map distribution across the WBE. A full list of all species conservation targets and their associated global ranks, distributions and data sources is in Appendix A.

Of the 57 plant species, 53 are considered globally imperiled (<20 occurrences) and 12 endemic to the ecoregion. Eight species listed by the U.S. Fish and Wildlife Service as endangered and threatened were also included (e.g., Wyoming Toad, Black-footed ferret). Several species, although considered to be widespread, were also included due to known declines or significant threats, such as Pronghorns and the Ferruginous Hawk. Several other species were also considered for inclusion but not incorporated into analysis due to a lack of data of known occurrences (in particular, invertebrates).

### Table 3. Summary of fine filter targets by taxonomic group

<table>
<thead>
<tr>
<th>Taxonomic Group</th>
<th>Total Number</th>
<th>G1-G2/T1-T2 ranked species (n)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amphibians</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Birds</td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td>Mammals</td>
<td>11</td>
<td>3</td>
</tr>
<tr>
<td>Plants</td>
<td>57</td>
<td>53</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td><strong>75</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Terrestrial Ecosystems (coarse-filter)**

To define and map coarse-filter biodiversity targets, we developed an ecosystem classification that is organized as a hierarchy of biogeographic zones, terrestrial ecological systems based on vegetation and geomorphology, and landforms. This classification describes 224 ecosystem types, or unique combinations of biogeographic zones, terrestrial ecological systems and landforms, as described in Table 4 and listed in Appendix A.

**Tier I: Biogeographic Zones**

To divide the WBE into biogeographic zones, we used a map of ecoregional sub-regions developed by Bailey et al. (1994). Sub-regions, or sections, are the finest level of Bailey’s Ecoregions and Sub-regions of the US, and are delineated based on land cover and terrain features. The WBE contains five sub-regions, as shown in Figure 4 and listed in Table 4.

**Tier II: Terrestrial Ecological Systems**

Ecosystems are generally defined as a biotic component (vegetation) and abiotic component (physical environmental features and processes). To represent terrestrial ecosystems, we used a
mapped classification of Ecological Systems developed by NatureServe. This dataset maps 44 types within the WBE. We revised this classification based on expert advice to map 33 types, as shown in Figure 4 and listed in Table 4.

Tier III: Landforms

Five matrix-forming ecosystem types, shown in Figure 4, occupy almost 63% of the study area, but are a heterogeneous, patchy matrix of plant communities formed by topography, disturbance regimes and successional cycles. Patterns of plant species composition within these matrix-forming ecosystems generally follow topographic environmental gradients. To capture this ecological, environmental and genetic diversity, we stratified these widespread steppe ecosystem types by landforms. We defined and mapped eight landforms according to a cluster analysis of elevation, insolation (Rich et al. 1995) and a topographic index (Moore et al. 1991), as shown in Figure 5.

The three factors – elevation, insolation and topographic position - are known to influence temperature and moisture regimes that influence the spatial distribution of plant communities and biogeography in general. We derived all three measures from a digital elevation model at 90 meter resolution, produced by the Shuttle Radar Tomography Mission (SRTM) and modified for HydroShEDs (Lehner et al. 2008). To estimate insolation, we calculated an index of clear sky solar radiation using a computer program named SOLARFLUX (Rich et al. 1995). SOLARFLUX will estimate clear-sky solar radiation for a given time period based on slope, aspect and sun angle. Because our goal was to roughly estimate and map the pattern of annual solar radiation, and because the calculation requires a long processing time, we calculated solar radiation for two dates, the spring equinox and the summer solstice. To measure the influence of topography on soil moisture, we calculated a topographic moisture index named the Compound Topographic Index, or CTI (Tarboton 1997, Gessler et al. 1995, Moore et al. 1993). Finally, we defined and map landforms with a migrating means cluster analysis available in the ESRI ArcInfo GIS software (ESRI, 2011). Because our goal was to create a simple, coarse-scale classification of characteristic environmental settings, we chose a small number of classes or clusters (n=8). The result is shown in Figure 5.

Representation Goals

Choosing a preliminary set of quantitative representation goals is an elementary step in any portfolio design, and necessary for optimized site selection. Quantitative goals provide transparent, flexible measures of representation and progress that are essential to the iterative, adaptive process of portfolio design, review, data collection, analysis and revision (Carwardine et al., 2009). For fine-filter targets, we chose representation goals based on established TNC standards (Higgins & Esselman 2006; Groves 2003), other ecoregional assessments, state wildlife action plans, and species range-wide conservation plans. For 57 critically imperiled or imperiled species and subspecies (G1-G2/T1-T2), representation goals were set at 100% of all known records. For other focal species, representation goals ranged from 50-75% of known records or areal extents. We assigned a 100% goal to the Wyoming Ground Squirrel (Spermophilus elegans), ranked as a G5, because is considered endemic at the subspecies level in the WBE. For a full list of fine filter targets and their associated representation goals, see Appendix A.
<table>
<thead>
<tr>
<th>Name</th>
<th>Ecoregion sub-sections</th>
<th>Patch type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inter-Mountain Basins Active &amp; Stabilized Dune</td>
<td>o o* o o*</td>
<td>Matrix</td>
</tr>
<tr>
<td>Colorado Plateau Pinyon-Juniper Woodland, Shrubland &amp; Savanna</td>
<td>o* o*</td>
<td>Matrix</td>
</tr>
<tr>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>o* o* o* o*</td>
<td>Matrix</td>
</tr>
<tr>
<td>Inter-Mountain Basins Big Sagebrush Steppe &amp; Shrubland</td>
<td>o* o* o* o</td>
<td>Matrix</td>
</tr>
<tr>
<td>Northwestern Great Plains Mixedgrass Prairie</td>
<td>o o* o o</td>
<td>Matrix</td>
</tr>
<tr>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>o o o o</td>
<td>Large</td>
</tr>
<tr>
<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
<td>o o o o</td>
<td>Large</td>
</tr>
<tr>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>o o o o</td>
<td>Large</td>
</tr>
<tr>
<td>Wyoming Basins Dwarf Sagebrush Shrubland &amp; Steppe</td>
<td>o o o o</td>
<td>Large</td>
</tr>
<tr>
<td>Inter-Mountain Basins Semi-Desert Grassland</td>
<td>o o</td>
<td>Large</td>
</tr>
<tr>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>o o o o</td>
<td>Large</td>
</tr>
<tr>
<td>Riparian woodland &amp; Shrubland</td>
<td>o o o o</td>
<td>Linear</td>
</tr>
<tr>
<td>Western Great Plains Floodplain</td>
<td>o o o o</td>
<td>Linear</td>
</tr>
<tr>
<td>Inter-Mountain Basins Cliff &amp; Canyon</td>
<td>o o o o o</td>
<td>Small</td>
</tr>
<tr>
<td>Colorado Plateau Mixed Bedrock Canyon &amp; Tableland</td>
<td>o o</td>
<td>Small</td>
</tr>
<tr>
<td>Inter-Mountain Basins Slate Badland</td>
<td>o o o o o</td>
<td>Small</td>
</tr>
<tr>
<td>Rocky Mountain Aspen Forest &amp; Woodland</td>
<td>o o o o</td>
<td>Small</td>
</tr>
<tr>
<td>Inter-Mountain Basins Curl-leaf Mountain Mahogany Woodland &amp; Shrubland</td>
<td>o o o o</td>
<td>Small</td>
</tr>
<tr>
<td>Northern Rocky Mountain Dry-Mesic Montane Mixed Conifer Forest</td>
<td>o o o o</td>
<td>Small</td>
</tr>
<tr>
<td>Rocky Mountain Lodgepole Pine Forest</td>
<td>o o o o</td>
<td>Small</td>
</tr>
<tr>
<td>Rocky Mountain Ponderosa Pine Woodland &amp; Savanna</td>
<td>o o o</td>
<td>Small</td>
</tr>
<tr>
<td>Rocky Mountain Subalpine Dry-Mesic Spruce-Fir Forest and Woodland</td>
<td>o o o o</td>
<td>Small</td>
</tr>
<tr>
<td>Rocky Mountain Lower Montane-Foothill Shrubland</td>
<td>o o</td>
<td>Small</td>
</tr>
<tr>
<td>Rocky Mountain Gambel Oak-Mixed Montane Shrubland</td>
<td>o o o</td>
<td>Small</td>
</tr>
<tr>
<td>Northern Rocky Mountain Lower Montane, Foothill &amp; Valley Grassland</td>
<td>o o o o</td>
<td>Small</td>
</tr>
<tr>
<td>Southern Rocky Mountain Montane-Subalpine Grassland</td>
<td>o o o o o</td>
<td>Small</td>
</tr>
<tr>
<td>North American Arid West Emergent Marsh</td>
<td>o o o o o</td>
<td>Small</td>
</tr>
<tr>
<td>Inter-Mountain Basins Interdunal Swale Wetland</td>
<td>o o o o o</td>
<td>Small</td>
</tr>
<tr>
<td>Rocky Mountain Alpine-Montane Wet Meadow</td>
<td>o o o o o</td>
<td>Small</td>
</tr>
<tr>
<td>Western Great Plains Open Freshwater Depression Wetland</td>
<td>o o o o</td>
<td>Small</td>
</tr>
<tr>
<td>Columbia Plateau Vernal Pool</td>
<td>o o o o</td>
<td>Small</td>
</tr>
<tr>
<td>Western Great Plains Saline Depression Wetland</td>
<td>o o o o o</td>
<td>Small</td>
</tr>
</tbody>
</table>

**Ecoregion subsections:**  
BB - Bighorn Basin and Owl Creek Mountains;  
CB - Central Basin and Hills;  
GR - Green River Basin;  
BL - Bear Lake;  
UB - Uinta Basin.  
  o occupied  
  o* occupied & stratified by landform
Figure 4. Terrestrial ecological systems in the Wyoming Basins
Figure 4 (continued) Terrestrial ecological systems in the Wyoming Basins

Figure 5. Landform classification based on elevation & topology
For coarse-filter targets, we chose representation goals as 30% of existing area distribution of each ecosystem type. Many regional conservation plans have also set coarse filter goals as 30% of historic areal extent, based loosely on the species-area relationships derived from studies of island biogeography and “habitat islands” (MacArthur & Wilson, 1967; Dobson, 1996; Groves 2003). Loss of habitat tends, over time, to result in the loss of species within an approximate range. The species/area relationship adapted from Dobson (1996), suggests that coarse filter representation within the range of 10%-30% of historic extent of each ecosystem type would retain approximately 55%-85% of native species.

Setting goals is a challenge because both knowledge and supporting data are limited. Few species have been studied thoroughly enough to estimate population size, number of populations and habitat distribution required for long-term persistence. Therefore, representation goals are an initial estimate of the amount and distribution required to support the long-term persistence of species and ecological processes, and working hypotheses that provide the basis for adaptive management. Meeting goals does not necessarily mean that terrestrial systems or species populations are necessarily adequately conserved and stated goals should be taken as a starting point and revised as more information becomes available. Our intent was to identify a set of areas that represent the full range of habitat and environmental settings with sufficient redundancy to withstand current and future threats.

**Disturbance Index**

In order to measure cumulative human impacts as an indirect measure of ecological integrity, or departure from historic or natural conditions, we calculated an index of disturbance derived from available GIS data for sources and types of current human disturbance. Source data are listed in Table 5 and included agricultural lands, irrigated lands, developed areas, active and inactive mine sites, active and inactive oil and gas wells, current wind turbine locations, roads, natural gas pipelines and transmission lines (Figure 6). The resulting disturbance index is shown in Figure 7.

<table>
<thead>
<tr>
<th>Table 5. Disturbance index components and data sources</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Disturbance</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Oil and Gas wells</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>
Figure 6. Disturbance index components
Figure 7. Disturbance index
We designed this index to maximize selection of un-disturbed occurrences of biodiversity targets, i.e. those in good ecological condition, and minimize selection of areas with competing economic values, such as areas densely populated with active oil and gas wells. As such, the index functions as a measure of ecological disturbance and a generalized, coarse-scale measure of relative cost of conservation effort and investment.

Analysis framework

To create a GIS framework for site selection analysis, we divided the study area into approximately 14,000 planning units of uniform shape (hexagons) and size (1,000 ha). This layer of planning units (PUs) is shown in Figure 8. We then populated this PU framework as follows:

- identified PUs containing lands in Gap status 1 & 2;
- calculated cost/condition value of each PU by summarizing disturbance index;
- calculated amount (area or count) of each focal species and ecosystem type in each PU

Site Selection

MARXAN is a software package developed for conservation planning that optimizes site selection to meet user-defined representation goals for biodiversity targets while optimizing for minimal user-defined planning unit cost (Ball & Possingham, 2000; Possingham, Ball & Andelman, 2000). The MARXAN cost function includes an optional connectivity component that provides a cost savings for sites that share a boundary. This has the effect of driving site selection towards configurations that include more connected sites and fewer isolated sites. The MARXAN cost function is explained in Ball & Possingham (2000) and Game & Grantham (2008).

In this analysis, the 14,000 hexagons form the planning unit framework. The biodiversity targets are the 75 focal species and the 75 ecosystem types defined and mapped by the ecosystem classification. Planning unit cost was derived from the cost/condition index by summarizing disturbance index (see Figure 8). Lands in Gap status 1 & 2 were the initial set locked into the site selection optimization, which added planning units to meet ecosystem representation goals. Through MARXAN analysis, we designed a portfolio of sites that includes the Lands in Gap status 1 & 2 and meets the representation goals for focal species and ecosystem types while optimizing for efficiency and condition (based on the cost/condition index) and a configuration that maximizes adjacency or contagion among PUs. This initial portfolio is shown in Figure 9.
For a given set of input parameters (biodiversity targets, goals, cost index, boundary lengths and weighting coefficients), a MARXAN analysis will generate multiple possible solutions, and report the results as a ‘best solution’ and a ‘sum of solutions.’ Each individual solution is a set of sites identified by the MARXAN algorithm to optimize for the lowest combination of planning unit cost (based on disturbance index), target shortfall and boundary length. The ‘best’ solution is the solution with the lowest combined score relative to the other individual solutions that were evaluated. The ‘sum of solutions’ is the frequency with which each planning unit was selected. These two results are both useful and serve complementary purposes. The best solution identifies one optimal, efficient configuration of planning units that collectively meets representation goals, while the sum of solutions is a measure of the relative contribution of any planning units towards an optimal solution. Because data representing biodiversity targets and ecological condition are always limited and incomplete, and because portfolio design must continually adapt to new data and changing land uses, the sum of solutions is a useful measure of the relative conservation value of any part of the study area, and useful for visualizing alternative portfolio designs.

The sum of solutions is derived from a single set of MARXAN parameters, and a single set of representation goals. Wilhere et al. (2008) designed an index for site prioritization using MARXAN that is a measure of relative contribution to an optimal solution, but is independent of a single set of goals. This measure, called optimacity, is calculated as the sum of solutions across the full range of goals, from zero to 100%. Therefore, optimacity is a measure of the relative value of any part of the study area towards an optimal solution regardless of the representation goal. We calculated optimacity as the sum of the sum of solutions at nine goals levels: 10%, 20%, 30%, 40%, 50%, 60%, 70%, 80% and 90%. The result is shown in Figure 10.

Portfolio Design

Considerations of future conservation actions in the Wyoming Basins cannot ignore two large and important issues playing out within the landscape: the threatened listing of the Greater Sage Grouse under the Endangered Species Act (see Knick and Connelly 2011 for a detailed discussion) and the accelerating pace of projected energy development. For portfolio design we considered two scenarios: first, a standard portfolio design intended to meet standard target goals for both course filter and fine filter targets and second, with goals driven by the Greater Sage Grouse 75% core areas as defined by Doherty et al. (2011) and then revised at the state level by individual state planning processes. For both scenarios we considered conflicts between conservation priorities and projected oil and gas and wind development.

Conflicts with energy development

We examined the intersection between conservation priorities identified as part of this analysis and patterns of future oil and gas development forecasted by Copeland et al (2009 & in review) and proposed wind development farms compiled by the Wyoming Department of Environmental Quality and Wyoming Chapter of TNC in June 2011 (see Figures 9a and 9b). These proposed wind farms correspond to other estimate of potential wind development in Wyoming (Kiesecker et al 2001b, Copeland et al., In Review.). In looking specifically at the potential conflicts between projected oil and gas development and conservation areas, we used the vulnerability function within Marxan to consider trade-offs in the selection of a planning unit to the final solution.
against a weighted likelihood of development occurring. Marxan then optimizes the selection of a reserve network configuration to minimize the tradeoffs involved.
Figure 9a. Potential oil and gas development scenarios

Figure 9b. Proposed wind development
RESULTS & DISCUSSION

Portfolio with Standard Ecoregional Goals

The portfolio of conservation areas defined by fine and coarse filter goals as stated in Appendix A, covers 5.9 million ha, or 43% of the study area, and consists of 132 sites that range in size from 1,000 ha to 804,000 ha (Figure 10). In comparison, the suite of priority conservation areas identified in the 2001 Wyoming Basins ecoregional assessment covered 352,000 ha, or 27% of the study area and consisted of 76 conservation areas that ranged in size from 48 ha to 516,000 ha. The two priority conservation areas are coincident over 2 million hectares. In other words, 56% of the conservation areas identified in the 2001 assessment are also part of the conservation solution in this revised analysis (Figure 11).

We achieve all representation goals set for terrestrial ecosystems broadly across the ecoregion (table 6), although we fall short of achieving at least 95% of our stated goals on a by-section level for 4 coarse filter small-patch targets. For example, although we meet our 30% representation goal for Rocky Mountain Lower Montane-Foothill Shrublands at the ecoregional scale, we only achieve 78% and 80% of our 30% goals in the Central Basin and Hills (#2) and the Uinta Basin (#5) sections respectively. There are no terrestrial ecosystems for which we fail to reach at least 75% of our stated goals.

Similarly, we achieve all representation goals with two exceptions for fine filter targets broadly across the ecoregion – the Pygmy Rabbit (94%) and Swift Fox (85%). We fail to meet at least 95% of our by section goals for an additional two species targets - Bald Eagle and Mountain Plover. On the whole however, we achieve almost all of our conservation goals with the current portfolio configuration. For a full list of conservation goals met by section by target, please refer to Appendix B.

<table>
<thead>
<tr>
<th>Ecosystems</th>
<th>Targets (n)</th>
<th>Target meeting goal (n)</th>
<th>% targets meeting goal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terrestrial</td>
<td>Matrix</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Large</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Linear</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Small Patch</td>
<td>19</td>
<td>19</td>
</tr>
<tr>
<td>Species</td>
<td>Amphibians</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Birds</td>
<td>5</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Mammals</td>
<td>11</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Plants</td>
<td>57</td>
<td>57</td>
</tr>
</tbody>
</table>

Of the 132 sites selected as part of the portfolio of conservation areas, 46 consist of a single planning unit. All but 2 of these sites were selected to meet goals for fine filter targets for which we set a goal of capturing all known occurrences. These include the suite of globally rare or imperiled plant and mammal targets. The other 2 sites, # 131 (John Weller Mesa) and #132 (Halfway Hollow North), were selected because they represented the best occurrences of two small patch terrestrial ecosystems (Rocky Mountain Ponderosa Pine Woodland and Savanna and...
Figure 10. Portfolio of conservation areas
Figure 11. Portfolio of conservation areas compared to 2001 portfolio of conservation areas
Southern Rocky Mountain Montane-Subalpine Grassland) in the ecoregion. For a summary of number of targets and areas size by conservation area, see Appendix C.

Disturbance Index and Optimacity Results

Disturbance Index

We compared the distribution of disturbance index values within the portfolio against areas outside the portfolio and against the ecoregion as a whole. Lower average and sums of disturbance index values suggests that areas captured in any subset are likely to be in better ecological condition relative to other subsets. Values in table 7 suggest that the portfolio selection process succeeded in meeting conservation goals in areas with lower disturbance values. Figure 12 also compares the areas within and outside the portfolio relative to the disturbance index.

Table 7. Distribution of disturbance index values ecoregion-wide, within the portfolio, and outside of the portfolio

<table>
<thead>
<tr>
<th></th>
<th>Ecoregion - wide</th>
<th>Inside Portfolio</th>
<th>Outside Portfolio</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum value</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Maximum value</td>
<td>3,411</td>
<td>2,699</td>
<td>3,411</td>
</tr>
<tr>
<td>Range</td>
<td>3,411</td>
<td>2,699</td>
<td>3,411</td>
</tr>
<tr>
<td>Mean</td>
<td>134</td>
<td>105</td>
<td>152</td>
</tr>
<tr>
<td>Median</td>
<td>71</td>
<td>66</td>
<td>76</td>
</tr>
<tr>
<td>Sum</td>
<td>22,882,703,360</td>
<td>6,920,954,368</td>
<td>15,961,749,504</td>
</tr>
</tbody>
</table>

Figure 12. Conservation areas and the disturbance index

Optimacity

To evaluate the relative contribution of each planning units to the overall solution set of conservation areas, we calculated the optimacity index (Wilhere et al. 2008) (figure 13). High optimacity scores for a planning unit suggest that it likely contain one or more rare targets
Figure 13. Optimacity
and/or contain a large set of important targets in relatively good condition. Optimacity scores for planning units can be used to prioritize places for conservation within a portfolio of conservation areas as well as areas outside of the portfolio. In table X4 below, planning units with a score of 100 are those selected in every alternate solution considered at every goal representation level. 58% of the planning units selected as part of the final solution were selected in 100% of the optimacity runs considered. Of the planning units within the ecoregion selected at every representation level, 99% were included within the final portfolio solution set.

Table 8. Percent planning units elected by number of optimacity scenarios

<table>
<thead>
<tr>
<th># of runs selected:</th>
<th>0</th>
<th>&lt; 10</th>
<th>10</th>
<th>20</th>
<th>30</th>
<th>40</th>
<th>50</th>
<th>60</th>
<th>70</th>
<th>80</th>
<th>90</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>ecoregion - wide</td>
<td>0.3%</td>
<td>0.0%</td>
<td>13.6%</td>
<td>7.9%</td>
<td>8.9%</td>
<td>10.0%</td>
<td>10.8%</td>
<td>6.7%</td>
<td>4.9%</td>
<td>4.2%</td>
<td>8.1%</td>
<td>24.4%</td>
</tr>
<tr>
<td>within portfolio</td>
<td>0.0%</td>
<td>0.0%</td>
<td>0.1%</td>
<td>0.2%</td>
<td>0.5%</td>
<td>1.5%</td>
<td>1.9%</td>
<td>4.3%</td>
<td>6.4%</td>
<td>8.5%</td>
<td>18.6%</td>
<td>58.1%</td>
</tr>
</tbody>
</table>

Land Management, Ownership and GAP status

The distribution of ownership and management of lands within the portfolio does not differ significantly from the distribution across the ecoregion (Table 8a). Federal and state agencies own or manage 70% of the lands within the portfolio. The largest manager of the portfolio conservation areas is the Bureau of Land Management (BLM). Private lands encompass 29% of the portfolio area. For a summary of land ownership by conservation area, see Appendix D.

Approximately 30% of the lands within the portfolio fall within GAP status 4 with no known mandate for protection (Table 8b). An additional 10% are managed in some manner for biodiversity, with the remaining majority of lands managed for multiple uses.

Table 9a. Pattern of land ownership within the portfolio

<table>
<thead>
<tr>
<th>Land Ownership</th>
<th>Hectares</th>
<th>Acres</th>
<th>% of Portfolio</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bureau of Land Management (BLM)</td>
<td>3,339,522</td>
<td>8,251,959</td>
<td>56%</td>
</tr>
<tr>
<td>Bureau of Reclamation (BOR)</td>
<td>139,699</td>
<td>345,197</td>
<td>2%</td>
</tr>
<tr>
<td>Fish and Wildlife Service (FWS)</td>
<td>46,161</td>
<td>114,063</td>
<td>1%</td>
</tr>
<tr>
<td>Forest Service (USFS)</td>
<td>101,417</td>
<td>250,600</td>
<td>2%</td>
</tr>
<tr>
<td>National Park Service (NPS)</td>
<td>18,666</td>
<td>46,124</td>
<td>&lt; 1%</td>
</tr>
<tr>
<td>State</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>State Lands</td>
<td>544,890</td>
<td>1,346,424</td>
<td>9%</td>
</tr>
<tr>
<td>Private</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Private Conservation Land</td>
<td>99,988</td>
<td>247,070</td>
<td>2%</td>
</tr>
<tr>
<td>Tribal (Native/American Indian)</td>
<td>60,744</td>
<td>150,100</td>
<td>1%</td>
</tr>
</tbody>
</table>

Table 9b. GAP status within the portfolio

<table>
<thead>
<tr>
<th>GAP code</th>
<th>Management Description</th>
<th>Hectares</th>
<th>Acres</th>
<th>% of Portfolio</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1 - managed for biodiversity - disturbance events proceed or are mimicked</td>
<td>53,580</td>
<td>132,400</td>
<td>1%</td>
</tr>
<tr>
<td>2</td>
<td>2 - managed for biodiversity – disturbance events suppressed</td>
<td>536,213</td>
<td>1,325,012</td>
<td>9%</td>
</tr>
<tr>
<td>3</td>
<td>3 - managed for multiple uses – subject to extractive (e.g. mining or logging) or OHV use</td>
<td>3,689,116</td>
<td>9,116,003</td>
<td>62%</td>
</tr>
<tr>
<td>4</td>
<td>4 - no known mandate for protection</td>
<td>1,705,679</td>
<td>4,214,825</td>
<td>29%</td>
</tr>
</tbody>
</table>
We examined the distribution of the matrix terrestrial systems (5) and the Greater Sage Grouse core areas across the ecoregion and within the portfolio across the GAP status categories (Figure 14). Of the matrix systems, the Northwestern Great Plains Mixedgrass Prairie is the least protected with over half of its distribution across the ecoregion (274,000 of 403,000 hectares) and within the portfolio (72,000 of 132,000 hectares) in GAP 4 status. For the Greater Sage Grouse, 68% of areas identified as core habitat that was also captured within the ecoregion are managed for multiple uses (GAP 3) with less than 10% of core areas in either GAP status 1 or 2.

**Sage Grouse 75% core areas solution**

How much of our ecoregional goals do we meet if we were to default to the Greater Sage Grouse 75% core areas alone? The 75% core areas represent an area of approximately 5.8 million hectare or about 44% of the ecoregion boundary. 60% of the Greater Sage Grouse core areas (or 3.2 million hectares) overlaps with the conservation areas selected (figure 15).

Given the extensive reach of these core areas, how well does the Greater Sage Grouse function as an umbrella species for extending conservation action to the other species and terrestrial ecosystem targets in the assessment? The results, not surprisingly, are mixed. Of the 659 planning units with targets whose goals were set at 100% of known records, only 40% were captured within the core areas.
Figure 15. Portfolio of conservation areas and Greater Sage Grouse 75% core areas
While the core areas do well in meeting goals for a small set of targets, the majority fall short for a number of reasons. First, because the core areas tend to be concentrated in Wyoming, they do a poor job of meeting goals for targets that we stratified across ecoregional sections. Second, many of our fine filter targets were selected precisely because they were considered to be inadequately captured by a coarse filter approach alone. In many cases, these endemic and imperiled species have severely constrained known distributions outside of the sagebrush ecosystem and so it is not surprising that the Greater Sage Grouse core areas do a poor job in sweeping in this suite of targets.

Conflicts with energy development

Baseline projections of potential oil and gas build-out in the foreseeable future intersected with 493,000 hectares, or 8% of the conservation priorities identified in this analysis (Figure 16a). The areas of potential conflict impact critical winter ranges for wide-ranging species such as Elk, Pronghorn, and Mule Deer as well as known nest areas for Bald Eagle and Ferruginous Hawk and core areas for the Greater Sage Grouse (Appendix E). In particular 40% of the ecoregion-wide representation goals set for Mountain Plover and 57% of goals for the Pygmy Rabbit overlap with areas of projected future baseline level of development. Importantly, 12% of the overlap of potential oil and gas development areas with the portfolio of conservation areas also coincide with known locations of globally imperiled species for which we assigned a representation goal of protecting all currently known occurrences. These include close to half of the current occurrences for the Wyoming Pocket Gopher and substantive proportions of known occurrences of rare or globally imperiled (G1-G2 ranked) plants such as Porters Sagebrush (Artemisia porteri), Big Piney Milkvetch (Astragalus drabelliformis), Large-fruited Bladderpod (Lesquerella macrocarpa), and Beaver Rim Phlox (Phlox pungens). These conflicts in particular should be highlighted for avoidance or minimization of potential impacts from development.

Conservation areas with large extents overlapping potential development include Mexican Flats (#52), Hams Fork (#58), Upper Green River (#100) and Alkali Flats (#104).

A more expansive estimate of potential oil and gas build-out (unconstrained scenario), allowing development in the highest quintile of oil and gas potential areas, intersected with an additional 902,000 hectares which altogether represents approximately 24% of the area identified as conservation priorities in the Wyoming Basins (Figure 16b). Under this unconstrained development scenario, over 40% of the ecoregion-wide goals set for the terrestrial systems (and captured with the current conservation area configuration) Rocky Mountain Aspen Forest and Woodland and Inter-Mountain Basins Mixed Salt Desert Scrub, 62% of the Colorado Plateau Mixed Bedrock Canyon and Tableland and 146% of the Inter-Mountain Basins Semi-Desert Grassland overlap with areas of potential development (Appendix F). The area of development also overlaps with all currently known occurrences of the G1-ranked Hamiltons Milkvetch (Astragalus hamiltonii) and G2-ranked Goodrich’s Penstemon (Penstemon goodrichii).

We re-ran the Marxan analysis deploying base levels of projected oil and gas development as an additional weighted future threat vulnerability layer to examine what trade-offs might be made to avoid conflicts with development while still meeting our conservation goals as efficiently as possible. The resulting network of conservation areas dropped certain areas of the original portfolio while adding in other areas, amounting to a net additional land area of 61,000 hectares (Figure 17). 95% of the original portfolio of conservation areas selected were also selected in
the revised analysis. Ecoregion-wide conservation goals were met for all biodiversity targets with small exceptions at the stratified section level. The disturbance index summed across the planning units included in the revised conservation areas is slightly greater than the value for the original set of conservation areas.

Of the area in the original set of conservation areas that overlapped with projected areas of development, 96% were also selected as part of the revised network of conservation areas. Although the increased areal extent and disturbance index score suggests a drop in the efficiency of the revised network of the conservation areas, overall there appears to be few tradeoffs to be found in the final solution set. There are two possible explanations for these results. First, it may be that the probability weighting of future development needs to be increased. However, it’s more likely that we see few changes because there are few viable alternatives to be considered. Of the planning units in the original set of conservation areas that were also in conflict with future base levels of development, 71% were selected in the optimacy analysis across all representation goal scenarios. This suggests that these areas are important because they contain occurrences of rare targets with high conservation goals or they contain an unusually large number of targets in relatively good ecological condition.

Conflicts with projected wind energy development

The potential wind farms extend over approximately 242,000 hectares in the ecoregion, of which 76,000 hectares overlap with conservation priorities identified in this analysis (Figure 18). In total, 1.3% of the overall conservation priorities overlap with currently known locations of potential wind development areas. Less than 0.5% of the conservation portfolio with known locations of imperiled fine filter species for which we assigned a goal of 100% of all known occurrences overlap with areas at risk for wind development.

Conclusion

This ecoregional portfolio is a starting point to support long-term conservation of the ecoregion’s biodiversity. This analysis was completed also to help direct investments in conservation to places that advance regional conservation goal, especially in the context or current Greater Sage Grouse conservation efforts and forecasts of future energy development. Conservation areas defined at the ecoregional level are large and complex and often include areas that are not suitable for conservation as well as areas that are suitable for multiple uses, and we expect local planners to refine boundaries accordingly. Still, the ecoregional approach is useful for informing smaller scale conservation decisions by highlighting the regional importance of any particular place and in considering trade-offs as the landscape of opportunities and challenges for implementing conservation actions across the ecoregion shift over time.
Figure 16a. Conflicts with potential oil and gas development (base scenario)

Figure 16b. Conflicts with potential oil and gas development (unconstrained scenario)
Figure 17. Revised conservation areas with oil and gas vulnerability

Figure 18. Conflicts with wind energy development
REFERENCES


Copeland, HE, Pocewicz A & Kiesecker JM (2011) Geography of energy development in Western North America: Potential impacts to terrestrial ecosystems. Chapter in: Energy development and wildlife conservation in Western North America (Edited by DE Naugle)


Fish and Wildlife Service (2010). 12-Month Findings for Petitions to List the Greater Sage-Grouse (Centrocercus urophasianus) as Threatened or Endangered, Department of Interior. 50 CFR Part 17.


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## Appendix A. Conservation targets for the Wyoming Basins and their data sources (continued)

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Appendix A – Conservation targets for the Wyoming Basins and their data sources (continued)
### Appendix A. Conservation targets for the Wyoming Basins and their data sources (continued)

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<th>Global Rank</th>
<th>Distrib</th>
<th>USFWS - ESA</th>
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### Appendix B. Conservation Targets, Representation Goals, and Distribution in the Portfolio

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<tr>
<th>Tax. Group</th>
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<th>Section</th>
<th>Goal (amount)</th>
<th>Metric</th>
<th>Amount Available</th>
<th>Amount in Portfolio</th>
<th>% Goal Met</th>
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<td>30%</td>
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<td>92</td>
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<td>ha</td>
<td>776</td>
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<td>132%</td>
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<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
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<td>1</td>
<td>442,448</td>
<td>ha</td>
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<td>2</td>
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<td>ha</td>
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<td>21,621</td>
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</tr>
<tr>
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<td></td>
<td>3</td>
<td>1,082</td>
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<td>ha</td>
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<td>21,621</td>
<td>98%</td>
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<td>233</td>
<td>ha</td>
<td>776</td>
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<td>132%</td>
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<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
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<td>22,036</td>
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<td>776</td>
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<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
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<td>73,451</td>
<td>21,621</td>
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<td>307</td>
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</tr>
<tr>
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<td>ha</td>
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<td>21,621</td>
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<td>233</td>
<td>ha</td>
<td>776</td>
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<td></td>
<td>4</td>
<td>233</td>
<td>ha</td>
<td>776</td>
<td>307</td>
<td>132%</td>
</tr>
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<td></td>
<td></td>
<td>5</td>
<td>233</td>
<td>ha</td>
<td>776</td>
<td>307</td>
<td>132%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Rocky Mountain Gambel Oak-Mixed Montane Shrubland</td>
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<td>22,036</td>
<td>ha</td>
<td>73,451</td>
<td>21,621</td>
<td>98%</td>
</tr>
<tr>
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<td></td>
<td>2</td>
<td>233</td>
<td>ha</td>
<td>776</td>
<td>307</td>
<td>132%</td>
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<td></td>
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<td>3</td>
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<td>ha</td>
<td>776</td>
<td>307</td>
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<tr>
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<td></td>
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<td>ha</td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>233</td>
<td>ha</td>
<td>776</td>
<td>307</td>
<td>132%</td>
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</tbody>
</table>

Sections: 1 = Bighorn Basin & Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin
## Appendix B. Conservation Targets, Representation Goals, and Distribution in the Portfolio

### Target Common Name (Scientific Name)

<table>
<thead>
<tr>
<th>Tax. Group</th>
<th>Goal (%)</th>
<th>Section</th>
<th>Goal (amount)</th>
<th>Metric</th>
<th>Amount Available</th>
<th>Amount in Portfolio</th>
<th>% Goal Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Northern Rocky Mountain Lower Montane Foothill and Valley Grassland</td>
<td>30%</td>
<td>5</td>
<td>155 ha</td>
<td>459</td>
<td>296%</td>
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<tr>
<td>Terr Ecosys</td>
<td>Southern Rocky Mountain Montane-Subalpine Grassland</td>
<td>30%</td>
<td>1</td>
<td>2,564 ha</td>
<td>4,940</td>
<td>193%</td>
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<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Semi-Desert Grassland</td>
<td>30%</td>
<td>3</td>
<td>11,151 ha</td>
<td>31,668</td>
<td>284%</td>
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<tr>
<td>Terr Ecosys</td>
<td>Northwestern Great Plains Mixedgrass Prairie</td>
<td>30%</td>
<td>4</td>
<td>612 ha</td>
<td>1,618</td>
<td>114%</td>
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<tr>
<td>Terr Ecosys</td>
<td>North American Arid West Emergent Marsh</td>
<td>30%</td>
<td>2</td>
<td>1,989 ha</td>
<td>4,275</td>
<td>225%</td>
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<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Interdunal Swale Wetland</td>
<td>30%</td>
<td>3</td>
<td>7,950 ha</td>
<td>13,014</td>
<td>164%</td>
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<tr>
<td>Terr Ecosys</td>
<td>Rocky Mountain Alpine-Montane Wet Meadow</td>
<td>30%</td>
<td>4</td>
<td>521 ha</td>
<td>775</td>
<td>127%</td>
<td></td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Western Great Plains Open Freshwater Depression Wetland</td>
<td>30%</td>
<td>1</td>
<td>177 ha</td>
<td>407</td>
<td>230%</td>
<td></td>
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<tr>
<td>Terr Ecosys</td>
<td>Columbia Plateau Vernal Pool</td>
<td>30%</td>
<td>1</td>
<td>1 ha</td>
<td>10</td>
<td>50%</td>
<td></td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Western Great Plains Saline Depression Wetland</td>
<td>30%</td>
<td>3</td>
<td>19,389 ha</td>
<td>29,919</td>
<td>154%</td>
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</tbody>
</table>

Sections: 1 = Bighorn Basin & Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin
### Appendix B. Conservation Targets, Representation Goals, and Distribution in the Portfolio

<table>
<thead>
<tr>
<th>Tax. Group</th>
<th>Target Common Name (Scientific Name)</th>
<th>Goal (%)</th>
<th>Section</th>
<th>Goal (amount)</th>
<th>Metric</th>
<th>Amount Available</th>
<th>Amount in Portfolio</th>
<th>% Goal Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Riparian</td>
<td>30%</td>
<td>1</td>
<td>3,970</td>
<td>ha</td>
<td>13,232</td>
<td>5,157</td>
<td>130%</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>14,551</td>
<td>ha</td>
<td>48,503</td>
<td>22,447</td>
<td>154%</td>
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<tr>
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<td></td>
<td>3</td>
<td>26,556</td>
<td>ha</td>
<td>88,521</td>
<td>31,232</td>
<td>118%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>19,416</td>
<td>ha</td>
<td>64,721</td>
<td>19,199</td>
<td>99%</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>3,994</td>
<td>ha</td>
<td>13,315</td>
<td>4,586</td>
<td>115%</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>11,961</td>
<td>ha</td>
<td>39,869</td>
<td>13,438</td>
<td>112%</td>
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<tr>
<td></td>
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<td>2</td>
<td>29,921</td>
<td>ha</td>
<td>99,736</td>
<td>39,634</td>
<td>132%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>30%</td>
<td>1</td>
<td>2,290</td>
<td>ha</td>
<td>7,634</td>
<td>1,913</td>
<td>97%</td>
</tr>
<tr>
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<td></td>
<td></td>
<td>2</td>
<td>6,299</td>
<td>ha</td>
<td>20,996</td>
<td>9,876</td>
<td>157%</td>
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<tr>
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<td></td>
<td>3</td>
<td>2,665</td>
<td>ha</td>
<td>8,884</td>
<td>5,226</td>
<td>196%</td>
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<td>574</td>
<td>ha</td>
<td>1,913</td>
<td>559</td>
<td>100%</td>
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<td>Terr Ecosys</td>
<td>Western Great Plains Floodplain</td>
<td>30%</td>
<td>1</td>
<td>44</td>
<td>count</td>
<td>89</td>
<td>84</td>
<td>191%</td>
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<td></td>
<td></td>
<td>2</td>
<td>6</td>
<td>count</td>
<td>11</td>
<td>6</td>
<td>100%</td>
</tr>
<tr>
<td>Amphibian</td>
<td>Northern Leopard Frog (Rana pipiens)</td>
<td>50%</td>
<td>3</td>
<td>4</td>
<td>count</td>
<td>7</td>
<td>6</td>
<td>150%</td>
</tr>
<tr>
<td>Amphibian</td>
<td>Wyoming Toad (Bufo baxteri)</td>
<td>100%</td>
<td>4</td>
<td>246</td>
<td>count</td>
<td>246</td>
<td>246</td>
<td>100%</td>
</tr>
<tr>
<td>Bird</td>
<td>Bald Eagle (Haliaeetus leucocephalus)</td>
<td>75%</td>
<td>3</td>
<td>408</td>
<td>count</td>
<td>544</td>
<td>408</td>
<td>100%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>102</td>
<td>count</td>
<td>136</td>
<td>87</td>
<td>85%</td>
</tr>
<tr>
<td>Bird</td>
<td>Columbian Sharp-tailed Grouse (Tympanuchus phasianellus columbianus)</td>
<td>75%</td>
<td>1</td>
<td>82</td>
<td>count</td>
<td>109</td>
<td>82</td>
<td>100%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>233</td>
<td>count</td>
<td>466</td>
<td>281</td>
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<tr>
<td>Bird</td>
<td>Ferruginous Hawk (Buteo regalis)</td>
<td>50%</td>
<td>3</td>
<td>210</td>
<td>count</td>
<td>421</td>
<td>210</td>
<td>100%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>1</td>
<td>count</td>
<td>20</td>
<td>7</td>
<td>700%</td>
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<td>5</td>
<td>306</td>
<td>count</td>
<td>611</td>
<td>538</td>
<td>176%</td>
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<td>Bird</td>
<td>Greater Sage Grouse (core areas) (Centrocercus urophasianus)</td>
<td>60%</td>
<td>1</td>
<td>439,733</td>
<td>ha</td>
<td>732,889</td>
<td>439,776</td>
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<td>2</td>
<td>1,203,983</td>
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<td>164,327</td>
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<td>13,675</td>
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</table>

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Systematic Conservation Planning in the Wyoming Basins | 50
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<tr>
<th>Tax. Group</th>
<th>Target Common Name (Scientific Name)</th>
<th>Goal (%)</th>
<th>Section</th>
<th>Goal (amount)</th>
<th>Metric</th>
<th>Amount Available</th>
<th>Amount in Portfolio</th>
<th>% Goal Met</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bird</strong></td>
<td>Mountain Plover (Charadrius montanus)</td>
<td>75%</td>
<td>1</td>
<td>56</td>
<td>count</td>
<td>74</td>
<td>52</td>
<td>93%</td>
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<td>2</td>
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<td>404</td>
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<td></td>
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<td></td>
<td>3</td>
<td>508</td>
<td>count</td>
<td>493</td>
<td>97%</td>
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</tr>
<tr>
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<td></td>
<td></td>
<td>5</td>
<td>184</td>
<td>count</td>
<td>246</td>
<td>210</td>
<td>114%</td>
</tr>
<tr>
<td><strong>Mammals</strong></td>
<td>Black-footed Ferret (Mustela nigripes)</td>
<td>100%</td>
<td>1</td>
<td>54,645</td>
<td>ha</td>
<td>54,645</td>
<td>54,645</td>
<td>100%</td>
</tr>
<tr>
<td><strong>Mammals</strong></td>
<td>Elk (Cervus canadensis)</td>
<td>75%</td>
<td>2</td>
<td>115,993</td>
<td>ha</td>
<td>154,657</td>
<td>116,117</td>
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<td>83,837</td>
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<td>129,593</td>
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<tr>
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<td>Idaho Pocket Gopher (Thomomys idahoensis)</td>
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<td>293,434</td>
<td>ha</td>
<td>386,868</td>
<td>292,855</td>
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<td>661,177</td>
<td>328,624</td>
<td>99%</td>
</tr>
<tr>
<td><strong>Mammals</strong></td>
<td>Mule Deer (Odocoileus hemionus)</td>
<td>50%</td>
<td>1</td>
<td>302,208</td>
<td>ha</td>
<td>604,415</td>
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<td>ha</td>
<td>5,551</td>
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<td></td>
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<td><strong>Mammals</strong></td>
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<td>11</td>
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<td><strong>Plants</strong></td>
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<td>78</td>
<td>count</td>
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<td>78</td>
<td>100%</td>
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Sections: 1 = Bighorn Basin & Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin
<table>
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<tr>
<th>Tax. Group</th>
<th>Target Common Name (Scientific Name)</th>
<th>Goal (%)</th>
<th>Section</th>
<th>Goal (amount)</th>
<th>Metric</th>
<th>Amount Available</th>
<th>Amount in Portfolio</th>
<th>% Goal Met</th>
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<td>Plants</td>
<td>Porters Sagebrush (Artemisia porteri)</td>
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<td>217</td>
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<td>150%</td>
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<td>100%</td>
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</table>

Sections: 1 = Bighorn Basin & Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin
## Appendix B. Conservation Targets, Representation Goals, and Distribution in the Portfolio

<table>
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<th>Tax. Group</th>
<th>Target Common Name (Scientific Name)</th>
<th>Goal (%)</th>
<th>Section (amount)</th>
<th>Metric</th>
<th>Amount Available</th>
<th>Amount in Portfolio</th>
<th>% Goal Met</th>
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Sections: 1 = Bighorn Basin & Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin

Appendix B. Conservation Targets, Representation Goals, and Distribution in the Portfolio
Systematic Conservation Planning in the Wyoming Basins | 53
## Appendix C. Conservation area target summary – distribution of targets

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## Appendix C. Conservation area target summary – distribution of targets (continued)

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## Appendix D. Conservation Areas and land ownership (hectares) – (continued)

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### Appendix D. Conservation Areas and land ownership (hectares) – (continued)

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### Appendix E. Distribution of targets within conservation areas overlapping with projected oil and gas development (base scenario)

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<td>Inter-Mountain Basins Semi-Desert Grassland</td>
<td>9,950.13 ha</td>
<td>76%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Northwestern Great Plains Mixedgrass Prairie</td>
<td>1,617.03 ha</td>
<td>1%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Rocky Mountain Alpine-Montane Wet Meadow</td>
<td>33.57 ha</td>
<td>2%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Western Great Plains Open Freshwater Depression Wetland</td>
<td>1,126.53 ha</td>
<td>14%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Western Great Plains Saline Depression Wetland</td>
<td>6,478.11 ha</td>
<td>13%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Riparian</td>
<td>7,167.60 ha</td>
<td>10%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>9,560.43 ha</td>
<td>10%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Western Great Plains Floodplain</td>
<td>1,314.09 ha</td>
<td>11%</td>
</tr>
<tr>
<td>Amphibian</td>
<td>Northern Leopard Frog</td>
<td>2 count</td>
<td>2%</td>
</tr>
<tr>
<td>Bird</td>
<td>Bald Eagle</td>
<td>94 count</td>
<td>8%</td>
</tr>
<tr>
<td>Bird</td>
<td>Ferruginous Hawk</td>
<td>66 count</td>
<td>9%</td>
</tr>
<tr>
<td>Bird</td>
<td>Greater Sage Grouse (core areas)</td>
<td>213,616.00 ha</td>
<td>7%</td>
</tr>
<tr>
<td>Bird</td>
<td>Mountain Plover</td>
<td>483 count</td>
<td>40%</td>
</tr>
<tr>
<td>Mammals</td>
<td>Elk</td>
<td>98,204.00 ha</td>
<td>10%</td>
</tr>
<tr>
<td>Mammals</td>
<td>Idaho Pocket Gopher</td>
<td>46,772.00 ha</td>
<td>8%</td>
</tr>
<tr>
<td>Mammals</td>
<td>Mule Deer</td>
<td>127,324.00 ha</td>
<td>11%</td>
</tr>
<tr>
<td>Mammals</td>
<td>Pronghorn</td>
<td>172,896.00 ha</td>
<td>10%</td>
</tr>
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</table>
### Appendix E. Distribution of targets within conservation areas overlapping with projected oil and gas development (base scenario) – (continued)

<table>
<thead>
<tr>
<th>Tax</th>
<th>Target Name</th>
<th>Amount Impacted</th>
<th>Overall Goal impacted (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mammals</td>
<td>Pygmy Rabbit</td>
<td>2,130.00</td>
<td>57%</td>
</tr>
<tr>
<td>Mammals</td>
<td>White tailed Prairie Dog</td>
<td>8,525.00</td>
<td>9%</td>
</tr>
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<td>Mammals</td>
<td>Wyoming Ground Squirrel</td>
<td>1 count</td>
<td>2%</td>
</tr>
<tr>
<td>Mammals</td>
<td>Wyoming Pocket Gopher</td>
<td>5 count</td>
<td>45%</td>
</tr>
<tr>
<td>Plants</td>
<td>Porters Sagebrush</td>
<td>172 count</td>
<td>79%</td>
</tr>
<tr>
<td>Plants</td>
<td>Mesic Milkvetch</td>
<td>4 count</td>
<td>18%</td>
</tr>
<tr>
<td>Plants</td>
<td>Big Piney Milkvetch</td>
<td>28 count</td>
<td>70%</td>
</tr>
<tr>
<td>Plants</td>
<td>Treleases Racemose Milkvetch</td>
<td>20 count</td>
<td>45%</td>
</tr>
<tr>
<td>Plants</td>
<td>Cedar Rim Thistle</td>
<td>3 count</td>
<td>6%</td>
</tr>
<tr>
<td>Plants</td>
<td>Large-fruit Bladderpod</td>
<td>43 count</td>
<td>57%</td>
</tr>
<tr>
<td>Plants</td>
<td>Gibbens Beardtongue</td>
<td>6 count</td>
<td>7%</td>
</tr>
<tr>
<td>Plants</td>
<td>Desert Glandular Phacelia</td>
<td>8 count</td>
<td>33%</td>
</tr>
<tr>
<td>Plants</td>
<td>Beaver Rim Phlox</td>
<td>172 count</td>
<td>50%</td>
</tr>
<tr>
<td>Plants</td>
<td>Tufted Twinpod</td>
<td>12 count</td>
<td>18%</td>
</tr>
</tbody>
</table>
### Appendix F. Distribution of targets within conservation areas overlapping with projected oil and gas development (unconstrained scenario)

<table>
<thead>
<tr>
<th>Taxonomic Group</th>
<th>Target Name</th>
<th>Amount Impacted</th>
<th>(metric)</th>
<th>Overall Goal Impacted %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Active and Stabilized Dune</td>
<td>5,139.00</td>
<td>ha</td>
<td>9.2%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>5,165.46</td>
<td>ha</td>
<td>13.6%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Colorado Plateau Mixed Bedrock Canyon and Tableland</td>
<td>1,075.14</td>
<td>ha</td>
<td>8.1%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Active and Stabilized Dune</td>
<td>18,415.44</td>
<td>ha</td>
<td>33%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>11,242.35</td>
<td>ha</td>
<td>30%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Colorado Plateau Mixed Bedrock Canyon and Tableland</td>
<td>8,214.75</td>
<td>ha</td>
<td>62%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>18,666.99</td>
<td>ha</td>
<td>29%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Curl-leaf Mountain Mahogany Woodland and Shrubland</td>
<td>5,236.74</td>
<td>ha</td>
<td>40%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Colorado Plateau Pinyon-Juniper Woodland Shrubland and Savanna</td>
<td>14,244.12</td>
<td>ha</td>
<td>27%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Northern Rocky Mountain Dry-Mesic Montane Mixed Conifer Forest</td>
<td>437.49</td>
<td>ha</td>
<td>9%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>10,933.74</td>
<td>ha</td>
<td>12%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Rocky Mountain Lodgepole Pine Forest</td>
<td>565.11</td>
<td>ha</td>
<td>5%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Rocky Mountain Ponderosa Pine Woodland and Savanna</td>
<td>10.17</td>
<td>ha</td>
<td>1%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Rocky Mountain Subalpine Dry-Mesic Spruce-Firt Forest and Woodland</td>
<td>145.08</td>
<td>ha</td>
<td>4%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>129,262.32</td>
<td>ha</td>
<td>43%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>788,719.14</td>
<td>ha</td>
<td>39%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
<td>30,891.15</td>
<td>ha</td>
<td>21%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>91,293.66</td>
<td>ha</td>
<td>35%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>54,493.02</td>
<td>ha</td>
<td>20%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Rocky Mountain Lower Montane-Foothill Shrubland</td>
<td>369</td>
<td>ha</td>
<td>11%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Rocky Mountain Gambel Oak-Mixed Montane Shrubland</td>
<td>133.92</td>
<td>ha</td>
<td>10%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Northern Rocky Mountain Lower Montane Foothill and Valley Grassland</td>
<td>760.14</td>
<td>ha</td>
<td>17%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Southern Rocky Mountain Montane-Subalpine Grassland</td>
<td>395.91</td>
<td>ha</td>
<td>15%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Semi-Desert Grassland</td>
<td>19,008.63</td>
<td>ha</td>
<td>146%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Northwestern Great Plains Mixedgrass Prairie</td>
<td>7,590.87</td>
<td>ha</td>
<td>6%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>North American Arid West Emergent Marsh</td>
<td>1.62</td>
<td>ha</td>
<td>0%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Interdunal Swale Wetland</td>
<td>37.8</td>
<td>ha</td>
<td>14%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Rocky Mountain Alpine-Montane Wet Meadow</td>
<td>122.58</td>
<td>ha</td>
<td>7%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Western Great Plains Open Freshwater Depression Wetland</td>
<td>2,242.26</td>
<td>ha</td>
<td>28%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Columbia Plateau Vernal Pool</td>
<td>0.18</td>
<td>ha</td>
<td>3%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Western Great Plains Saline Depression Wetland</td>
<td>15,403.77</td>
<td>ha</td>
<td>31%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Riparian</td>
<td>22,768.11</td>
<td>ha</td>
<td>31%</td>
</tr>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>28,389.96</td>
<td>ha</td>
<td>29%</td>
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<tr>
<td>Terr Ecosys</td>
<td>Western Great Plains Floodplain</td>
<td>2,997.54</td>
<td>ha</td>
<td>25%</td>
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<tr>
<td>Amphibian</td>
<td>Northern Leopard Frog</td>
<td>6</td>
<td>count</td>
<td>7%</td>
</tr>
<tr>
<td>Bird</td>
<td>Bald Eagle</td>
<td>208</td>
<td>count</td>
<td>17%</td>
</tr>
<tr>
<td>Bird</td>
<td>Columbian Sharp-tailed Grouse</td>
<td>8,748.00</td>
<td>ha</td>
<td>24%</td>
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<tr>
<td>Bird</td>
<td>Ferruginous Hawk</td>
<td>307</td>
<td>count</td>
<td>40%</td>
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</table>
## Appendix F. Distribution of targets within conservation areas overlapping with projected oil and gas development (unconstrained scenario) – (continued)

<table>
<thead>
<tr>
<th>Taxonomic Group</th>
<th>Target Name</th>
<th>Amount Impacted (metric)</th>
<th>Overall Goal impacted%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bird</td>
<td>Greater Sage Grouse (core areas)</td>
<td>686,970.00 ha</td>
<td>22%</td>
</tr>
<tr>
<td>Bird</td>
<td>Mountain Plover</td>
<td>545 count</td>
<td>45%</td>
</tr>
<tr>
<td>Mammals</td>
<td>Black-footed Ferret</td>
<td>3,799.00 ha</td>
<td>7%</td>
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<tr>
<td>Mammals</td>
<td>Elk</td>
<td>258,647.00 ha</td>
<td>27%</td>
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<td>Mammals</td>
<td>Idaho Pocket Gopher</td>
<td>194,393.00 ha</td>
<td>31%</td>
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<tr>
<td>Mammals</td>
<td>Mule Deer</td>
<td>339,333.00 ha</td>
<td>28%</td>
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<tr>
<td>Mammals</td>
<td>Pronghorn</td>
<td>492,746.00 ha</td>
<td>28%</td>
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<tr>
<td>Mammals</td>
<td>Pygmy Rabbit</td>
<td>2,829.00 count</td>
<td>76%</td>
</tr>
<tr>
<td>Mammals</td>
<td>Swift Fox</td>
<td>1 count</td>
<td>1%</td>
</tr>
<tr>
<td>Mammals</td>
<td>White tailed Prairie Dog</td>
<td>37,228.00 ha</td>
<td>40%</td>
</tr>
<tr>
<td>Mammals</td>
<td>Wyoming Ground Squirrel</td>
<td>4 count</td>
<td>7%</td>
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<tr>
<td>Mammals</td>
<td>Wyoming Pocket Gopher</td>
<td>6 count</td>
<td>55%</td>
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<tr>
<td>Plants</td>
<td>Meadow Pussytoes</td>
<td>9 count</td>
<td>12%</td>
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<td>Porters Sagebrush</td>
<td>178 count</td>
<td>82%</td>
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<td>Debris Milkvetch</td>
<td>1 count</td>
<td>50%</td>
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<tr>
<td>Plants</td>
<td>Mesic Milkvetch</td>
<td>4 count</td>
<td>18%</td>
</tr>
<tr>
<td>Plants</td>
<td>Big Piney Milkvetch</td>
<td>30 count</td>
<td>75%</td>
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<tr>
<td>Plants</td>
<td>Hamiltons Milkvetch</td>
<td>1 count</td>
<td>100%</td>
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<tr>
<td>Plants</td>
<td>Treleases Racemose Milkvetch</td>
<td>34 count</td>
<td>77%</td>
</tr>
<tr>
<td>Plants</td>
<td>Cedar Rim Thistle</td>
<td>12 count</td>
<td>22%</td>
</tr>
<tr>
<td>Plants</td>
<td>Owl Creek Miners Candle</td>
<td>1 count</td>
<td>6%</td>
</tr>
<tr>
<td>Plants</td>
<td>Everts Waferparsnip</td>
<td>1 count</td>
<td>5%</td>
</tr>
<tr>
<td>Plants</td>
<td>Entire-leaved Peppergrass</td>
<td>1 count</td>
<td>3%</td>
</tr>
<tr>
<td>Plants</td>
<td>Large-fruited Bladderpod</td>
<td>51 count</td>
<td>68%</td>
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<tr>
<td>Plants</td>
<td>Prostrate Bladderpod</td>
<td>32 count</td>
<td>51%</td>
</tr>
<tr>
<td>Plants</td>
<td>Flowers Penstemon</td>
<td>17 count</td>
<td>61%</td>
</tr>
<tr>
<td>Plants</td>
<td>Gibbens Beardtongue</td>
<td>33 count</td>
<td>37%</td>
</tr>
<tr>
<td>Plants</td>
<td>Goodrichs Penstemon</td>
<td>1 count</td>
<td>100%</td>
</tr>
<tr>
<td>Plants</td>
<td>Desert Glandular Phacelia</td>
<td>10 count</td>
<td>42%</td>
</tr>
<tr>
<td>Plants</td>
<td>Beaver Rim Phlox</td>
<td>203 count</td>
<td>59%</td>
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<tr>
<td>Plants</td>
<td>Tufted Twinpod</td>
<td>12 count</td>
<td>18%</td>
</tr>
<tr>
<td>Plants</td>
<td>Dorns Twinpod</td>
<td>3 count</td>
<td>3%</td>
</tr>
<tr>
<td>Plants</td>
<td>Utes Ladies Tresses</td>
<td>1 count</td>
<td>3%</td>
</tr>
<tr>
<td>Plants</td>
<td>Desert Yellowhead</td>
<td>7 count</td>
<td>41%</td>
</tr>
</tbody>
</table>
Systematic Conservation Planning in the Wyoming Basins:

CONSERVATION AREAS

1. Billie Creek
2. Eatonville Creek
3. Park Camp
4. White River
5. Coyote Canyon
6. West Bench
7. String Gulch
8. Cascade Hollow
9. Halfway Hollow South
10. Aplin Ridge
11. Lower Green River/Eight Mile Flat
12. Tripe
13. Williams Fork Mountains/Ell Gulch
14. Green River
15. Ashley Valley
16. Douglas Mountain
17. Brown Park
18. Bull Run Creek
19. North Platte – Thernville Creek
20. Flaming Gorge – Henry’s Fork
21. Sand Creek
22. Hilliard Flat
23. Willow Creek
24. Flat Top Mountain
25. Aspen Mountain
26. Sawtooth Range
27. Continental Divide
28. Bridger Butte
29. Pine Butte
30. Lander Range
31. Lander
32. Skull Creek Rim
33. Cooper Ridge
34. Ragan
35. Bone Draw
36. Black Fork
37. Barnsworth Lake
38. Lander River
39. Wind River Draw
40. Quaking Aspen Mountain
41. Water Lake
42. Green River
43. Wilkins Peak
44. Coal Gulch
45. Flaming Gorge
46. Soldiers Canyon
47. Mexican Flats
48. White Mountain
49. Valleys Reservoir
50. Lookout Mountain North
51. Bighorn Boro
52. Cooper Lake
53. Tetons Reservoir
54. Fremont River – Lower
55. Lamar Reservoir
56. Red Wash Draw
57. Pierce Reservoir
58. Harris Fork
59. North Bannock Basin
60. Carri Prefab 108
61. Stociar
62. Ogul
63. Sand Hills
64. Rich Spring
65. Long Canyon
66. Ewingville Gulch
67. Matter Cradle
68. West Bluegrass Creek
69. North Fork Alkaid Creek
70. Washboard Reservoir
71. Antelope Hills Drain
72. Rose Canyon
73. Chain Lakes Flat
74. Upper Bore River
75. Sightline Creek
76. Laramie River
77. Fontanelle Reservoir
78. Bradley Peak
79. Andesite Canyon
80. Great Divide Banks
81. Strout Reservoir
82. Bear Lake
83. Shirley Basin
84. Buckhorn Draw
85. Sheep Mountain
86. Wilkins Canyon
87. Higley Ridge
88. North Creek
89. Hiney Creek
90. Miller Creek
91. Dry Sandy Creek
92. Cretaceous Mountain
93. Dry Basin
94. Sand Draw
95. Berry Wagon Draw
96. North Platte – Coal Creek
97. Red Butte
98. Kirby Draw
99. Sweetwater River and Central Basin Megasite
100. Upper Green River
101. Missouri Hills
102. Wind River – Martin Ponds
103. Green River – Missouri Valley
104. Alkali Flats
105. Cedar Ridge
106. Sand Woes
107. Tongue River
108. Boyson
109. Upper Wind River
110. Wind River Canyon / Bighorn River
111. Dry Neck Creek
112. Putney Flat
113. Cottonwood Creek
114. Gooseberry Creek – Oasis Creek
115. Bighorn River – Winooski Gulch
116. Uinta Mountain
117. Little Buffalo Basin
118. Bighorn River – Tensleep/Samson Creeks
119. Wind River – Bannock
120. Rosewood River
121. Little Bighorn Creek
122. West slope – Bighorn Mountains
123. North/South Fork Shoshone – Greybull
124. McColough Peaks
125. Heart Mountain
126. Dry Bear Creek
127. Nat’s Milk Creek
128. Bighorn Canyon
129. Pryor Mountains
130. Sage Creek
131. North Wells Mesa
132. Hiney Hollow North

Appendix G. Portfolio of conservation areas – Wyoming Basins Ecoregion
### Appendix H. Conservation Area Summaries

#### 1 Bitter Creek

<table>
<thead>
<tr>
<th>Size (hectares):</th>
<th>3,000</th>
<th>State(s):</th>
<th>Utah</th>
<th>Section(s):</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size (acres):</td>
<td>7,413</td>
<td>% Public:</td>
<td>94%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

Tax Group | Target Name | Patch Type | G-rank | Amount |
--- | --- | --- | --- | --- |
Terr Ecosys | Inter-Mountain Basins Cliff and Canyon | Small | 10 | ha |
| Colorado Plateau Mixed Bedrock Canyon and Tableland | Small | 92 | ha |
| Colorado Plateau Pinyon-Juniper Woodland Shrubland and Savanna | Matrix | 225 | ha |
| Inter-Mountain Basins Mixed Salt Desert Scrub | Matrix | 6 | ha |
| Inter-Mountain Basins Big Sagebrush Steppe and Shrubland | Matrix | 84 | ha |
| Wyoming Basins Dwarf Sagebrush Shrubland and Steppe | Large | 96 | ha |
| Inter-Mountain Basins Greasewood Flat | Large | 2 | ha |

Mammals | Elk (Cervus canadensis) | G5 | 204 | ha |
| Mule Deer (Odocoileus hemionus) | G5 | 453 | ha |

#### 2 Evacuation Creek

<table>
<thead>
<tr>
<th>Size (hectares):</th>
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<th>State(s):</th>
<th>Utah</th>
<th>Section(s):</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
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<tbody>
<tr>
<td>Size (acres):</td>
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<td>% Public:</td>
<td>30%</td>
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</table>

Tax Group | Target Name | Patch Type | G-rank | Amount |
--- | --- | --- | --- | --- |
Terr Ecosys | Colorado Plateau Mixed Bedrock Canyon and Tableland | Small | 101 | ha |
| Inter-Mountain Basins Shale Badland | Small | 3 | ha |
| Colorado Plateau Pinyon-Juniper Woodland Shrubland and Savanna | Matrix | 143 | ha |
| Inter-Mountain Basins Mixed Salt Desert Scrub | Matrix | 59 | ha |
| Inter-Mountain Basins Big Sagebrush Steppe and Shrubland | Matrix | 374 | ha |
| Inter-Mountain Basins Mat Saltbush Shrubland | Large | 18 | ha |
| Wyoming Basins Dwarf Sagebrush Shrubland and Steppe | Large | 39 | ha |
| Inter-Mountain Basins Greasewood Flat | Large | 10 | ha |

Mammals | Mule Deer (Odocoileus hemionus) | G5 | 726 | ha |

Plants | White River Penstemon (Penstemon scariosus var. albifluis) | G4T1 | 6 | count |

#### 3 Park Canyon

<table>
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<th>2</th>
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<th>4</th>
<th>5</th>
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<tr>
<td>Size (acres):</td>
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<td>% Public:</td>
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Tax Group | Target Name | Patch Type | G-rank | Amount |
--- | --- | --- | --- | --- |
Terr Ecosys | Inter-Mountain Basins Cliff and Canyon | Small | 3 | ha |
| Colorado Plateau Mixed Bedrock Canyon and Tableland | Small | 52 | ha |
| Colorado Plateau Pinyon-Juniper Woodland Shrubland and Savanna | Matrix | 117 | ha |
| Inter-Mountain Basins Mixed Salt Desert Scrub | Matrix | 3 | ha |
| Inter-Mountain Basins Big Sagebrush Steppe and Shrubland | Matrix | 584 | ha |
| Wyoming Basins Dwarf Sagebrush Shrubland and Steppe | Large | 62 | ha |

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
## Appendix H. Conservation Area Summaries

<table>
<thead>
<tr>
<th>Terr Ecosys</th>
<th>Inter-Mountain Basins Greasewood Flat</th>
<th>Large</th>
<th>2</th>
<th>ha</th>
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</thead>
<tbody>
<tr>
<td>Mammals</td>
<td>Mule Deer <em>(Odocoileus hemionus)</em></td>
<td>G5</td>
<td>825</td>
<td>ha</td>
</tr>
<tr>
<td>Plants</td>
<td>White River Penstemon <em>(Penstemon scariosus var. albiflavis)</em></td>
<td>G4T1</td>
<td>2</td>
<td>count</td>
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### 4 White River

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<th>Section(s):</th>
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<th>G-rank</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Colorado Plateau Mixed Bedrock Canyon and Tableland</td>
<td>Small</td>
<td>122</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>11</td>
<td>ha</td>
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<tr>
<td></td>
<td>Colorado Plateau Pinyon-Juniper Woodland Shrubland and Savanna</td>
<td>Matrix</td>
<td>23</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>219</td>
<td>ha</td>
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<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>340</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Mat Saltbrush Shrubland</td>
<td>Large</td>
<td>48</td>
<td>ha</td>
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<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td>97</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Semi-Desert Grassland</td>
<td>Large</td>
<td>28</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Riparian</td>
<td>Linear</td>
<td>3</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
<td>75</td>
<td>ha</td>
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<tr>
<td>Mammals</td>
<td>Mule Deer <em>(Odocoileus hemionus)</em></td>
<td>G5</td>
<td>398</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Pronghorn <em>(Antilocapra americana)</em></td>
<td>G5</td>
<td>735</td>
<td>ha</td>
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<tr>
<td>Plants</td>
<td>Uinta Basin Hookless Cactus <em>(Sclerocactus wetlandicus)</em></td>
<td>G3</td>
<td>1</td>
<td>count</td>
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### 5 Coyote Canyon

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<td>Size (acres):</td>
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<td>% Public:</td>
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<table>
<thead>
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<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>10</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Colorado Plateau Mixed Bedrock Canyon and Tableland</td>
<td>Small</td>
<td>341</td>
<td>ha</td>
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<tr>
<td></td>
<td>Colorado Plateau Pinyon-Juniper Woodland Shrubland and Savanna</td>
<td>Matrix</td>
<td>4,072</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>101</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>740</td>
<td>ha</td>
</tr>
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<td></td>
<td>Inter-Mountain Basins Mat Saltbrush Shrubland</td>
<td>Large</td>
<td>2</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td>2,300</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Southern Rocky Mountain Montane-Subalpine Grassland</td>
<td>Small</td>
<td>2</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Semi-Desert Grassland</td>
<td>Large</td>
<td>9</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Alpine-Montane Wet Meadow</td>
<td>Small</td>
<td>1</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Riparian</td>
<td>Linear</td>
<td>67</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
<td>344</td>
<td>ha</td>
</tr>
<tr>
<td>Bird</td>
<td>Ferruginous Hawk <em>(Buteo regalis)</em></td>
<td>G4</td>
<td>3</td>
<td>count</td>
</tr>
<tr>
<td>Mammals</td>
<td>Elk <em>(Cervus canadensis)</em></td>
<td>G5</td>
<td>4,533</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Mule Deer <em>(Odocoileus hemionus)</em></td>
<td>G5</td>
<td>5,013</td>
<td>ha</td>
</tr>
<tr>
<td>Plants</td>
<td>Debris Milkvetch <em>(Astragalus detritalis)</em></td>
<td>G3</td>
<td>1</td>
<td>count</td>
</tr>
<tr>
<td></td>
<td>Utes Ladies Tresses <em>(Spiranthes diluvialis)</em></td>
<td>G2G3</td>
<td>4</td>
<td>count</td>
</tr>
</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
Appendix H. Conservation Area Summaries

Plants  Green River Greenthread  (Thelesperma caespitosum)  G1  1  count

6  West Bench

Size (hectares):  1,000  State(s):  Utah  Section(s):  1  2  3  4  5
Size (acres):  2,471  % Public:  0%  -  -  -  -  x

Tax Group  Target Name  Patch Type  G-rank  Amount

Terr Ecosys  Colorado Plateau Mixed Bedrock Canyon and Tableland  Small  1  ha
Colorado Plateau Pinyon-Juniper Woodland Shrubland and Savanna  Matrix  138  ha
Inter-Mountain Basins Big Sagebrush Steppe and Shrubland  Matrix  561  ha
Wyoming Basins Dwarf Sagebrush Shrubland and Steppe  Large  39  ha
Inter-Mountain Basins Semi-Desert Grassland  Large  1  ha
Riparian  Linear  74  ha
Inter-Mountain Basins Greasewood Flat  Large  13  ha

Mammals  Mule Deer  (Odocoileus hemionus)  G5  431  ha
Plants  Utes Ladies Tresses  (Spiranthes diluvialis)  G2G3  1  count

7  Stinking Gulch

Size (hectares):  6,000  State(s):  Colorado  Section(s):  1  2  3  4  5
Size (acres):  14,826  % Public:  13%  -  -  x  -  -

Tax Group  Target Name  Patch Type  G-rank  Amount

Terr Ecosys  Rocky Mountain Aspen Forest and Woodland  Small  4  ha
Colorado Plateau Pinyon-Juniper Woodland Shrubland and Savanna  Matrix  11  ha
Inter-Mountain Basins Big Sagebrush Steppe and Shrubland  Matrix  1,381  ha
Inter-Mountain Basins Montane Sagebrush Steppe  Large  734  ha
Rocky Mountain Lower Montane-Foothill Shrubland  Small  16  ha
Rocky Mountain Gambel Oak-Mixed Montane Shrubland  Small  608  ha
Southern Rocky Mountain Montane-Subalpine Grassland  Small  1  ha
Inter-Mountain Basins Semi-Desert Grassland  Large  21  ha
Riparian  Linear  16  ha
Inter-Mountain Basins Greasewood Flat  Large  5  ha

Bird  Columbian Sharp-tailed Grouse  (Tympanuchus phasianellus columbianus)  G4T3  3,818  ha
Greater Sage Grouse (core areas)  (Centrocercus urophasianus)  G4  3,545  ha

Mammals  Elk  (Cervus canadensis)  G5  1,599  ha
Mule Deer  (Odocoileus hemionus)  G5  3,668  ha

8  Cockey Hollow

Size (hectares):  52,000  State(s):  Utah  Section(s):  1  2  3  4  5
Size (acres):  128,495  % Public:  32%  -  -  -  -  x

Tax Group  Target Name  Patch Type  G-rank  Amount

Terr Ecosys  Inter-Mountain Basins Cliff and Canyon  Small  212  ha

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.

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### Appendix H. Conservation Area Summaries

#### Terr Ecosys

<table>
<thead>
<tr>
<th>Terr Ecosys</th>
<th>Type</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colorado Plateau Mixed Bedrock Canyon and Tableland</td>
<td>Small</td>
<td>398 ha</td>
</tr>
<tr>
<td>Rocky Mountain Aspen Forest and Woodland</td>
<td>Small</td>
<td>28 ha</td>
</tr>
<tr>
<td>Colorado Plateau Pinyon-Juniper Woodland Shrubland and Savanna</td>
<td>Matrix</td>
<td>22,504 ha</td>
</tr>
<tr>
<td>Northern Rocky Mountain Dry-Mesic Montane Mixed Conifer Forest</td>
<td>Small</td>
<td>58 ha</td>
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<tr>
<td>Rocky Mountain Ponderosa Pine Woodland and Savanna</td>
<td>Small</td>
<td>0 ha</td>
</tr>
<tr>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>14 ha</td>
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<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
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<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
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<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
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<td>Rocky Mountain Gambel Oak-Mixed Montane Shrubland</td>
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<td>Southern Rocky Mountain Montane-Subalpine Grassland</td>
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<tr>
<td>Rocky Mountain Alpine-Montane Wet Meadow</td>
<td>Small</td>
<td>103 ha</td>
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<tr>
<td>Riparian</td>
<td>Linear</td>
<td>207 ha</td>
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<tr>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
<td>133 ha</td>
</tr>
</tbody>
</table>

#### Amphibian

- **Northern Leopard Frog** (Rana pipiens) G5 1 count

#### Bird

- **Bald Eagle** (Haliaeetus leucocephalus) G5 2 count

#### Mammals

- **Elk** (Cervus canadensis) G5 38,522 ha
- **Mule Deer** (Odocoileus hemionus) G5 36,724 ha

#### Plants

- **Utes Ladies Tresses** (Spiranthes diluvialis) G2G3 4 count

---

#### 9 Halfway Hollow South

- **Size (hectares):** 1,000
- **Size (acres):** 2,471
- **State(s):** Utah
- **Public:** 74%
- **Section(s):** 1 - - - - x

<table>
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<th>Amount</th>
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<tr>
<td>Terr Ecosys</td>
<td>Colorado Plateau Mixed Bedrock Canyon and Tableland</td>
<td>Small</td>
<td>22 ha</td>
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<tr>
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<td>Colorado Plateau Pinyon-Juniper Woodland Shrubland and Savanna</td>
<td>Matrix</td>
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<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>3 ha</td>
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<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
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<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
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<td>Southern Rocky Mountain Montane-Subalpine Grassland</td>
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<td>Inter-Mountain Basins Semi-Desert Grassland</td>
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</tr>
<tr>
<td></td>
<td>Riparian</td>
<td>Linear</td>
<td>1 ha</td>
<td></td>
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<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
<td>1 ha</td>
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<tr>
<td>Plants</td>
<td>Utes Ladies Tresses (Spiranthes diluvialis)</td>
<td>G2G3</td>
<td>1 count</td>
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#### 10 Asphalt Ridge

- **Size (hectares):** 1,000
- **Size (acres):** 2,471
- **State(s):** Utah
- **Public:** 90%
- **Section(s):** 1 - - - - x

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<th>Amount</th>
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<tr>
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<td>Colorado Plateau Mixed Bedrock Canyon and Tableland</td>
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<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>11 ha</td>
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Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.

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Appendix H. Conservation Area Summaries

### Terr Ecosys

<table>
<thead>
<tr>
<th>Area Description</th>
<th>Matrix</th>
<th>G-rank</th>
<th>Amount</th>
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<tr>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
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<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>60 ha</td>
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<tr>
<td>Inter-Mountain Basins Semi-Desert Grassland</td>
<td>6 ha</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Riparian</td>
<td>1 ha</td>
<td></td>
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<table>
<thead>
<tr>
<th>Mammals</th>
<th>White tailed Prairie Dog (Cynomus leucurus)</th>
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<tbody>
<tr>
<td>Plants</td>
<td>Hamiltons Milkvetch (Astragalus hamiltonii)</td>
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</tbody>
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### 11 Lower Green River/Eight Mile Flat

<table>
<thead>
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<th>Tax Group</th>
<th>Target Name</th>
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<th>G-rank</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>613 ha</td>
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<tr>
<td>Colorado Plateau Mixed Bedrock Canyon and Tableland</td>
<td>Small</td>
<td>20,593 ha</td>
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<tr>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>13,004 ha</td>
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<tr>
<td>Inter-Mountain Basins Curl-leaf Mountain Mahogany Woodland and Shrubland</td>
<td>Linear</td>
<td>8 ha</td>
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<tr>
<td>Colorado Plateau Pinyon-Juniper Woodland Shrubland and Savanna</td>
<td>Matrix</td>
<td>17,444 ha</td>
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<tr>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>83,172 ha</td>
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<tr>
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<td>92,410 ha</td>
<td></td>
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</tr>
<tr>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
<td>6,567 ha</td>
<td></td>
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<tr>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td>38,682 ha</td>
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<td>Rocky Mountain Gambel Oak-Mixed Montane Shrubland</td>
<td>Small</td>
<td>1 ha</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Southern Rocky Mountain Montane-Subalpine Grassland</td>
<td>Small</td>
<td>21 ha</td>
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<tr>
<td>Inter-Mountain Basins Semi-Desert Grassland</td>
<td>Large</td>
<td>3,488 ha</td>
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<tr>
<td>Rocky Mountain Alpine-Montane Wet Meadow</td>
<td>Small</td>
<td>551 ha</td>
<td></td>
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</tr>
<tr>
<td>Riparian</td>
<td>Linear</td>
<td>4,071 ha</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
<td>19,187 ha</td>
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</table>

| Amphibian | Northern Leopard Frog (Rana pipiens) | G5 | 13 count |
| Bird | Bald Eagle (Haliaeetus leucocephalus) | G5 | 80 count |
| Ferruginous Hawk (Buteo regalis) | G4 | 402 count |
| Mountain Plover (Charadrius montanus) | G3 | 210 count |
| Mammals | Black-footed Ferret (Mustela nigripes) | G1 | 9,103 ha |
| Elk (Cervus canadensis) | G5 | 21,799 ha |
| Mule Deer (Odocoileus hemionus) | G5 | 37,721 ha |
| Pronghorn (Antilocapra americana) | G5 | 249,902 ha |
| White tailed Prairie Dog (Cynomus leucurus) | G4 | 27,161 ha |

| Plants | Debris Milkvetch (Astragalus detritalis) | G3 | 2 count |
| Flowers Penstemon (Penstemon flowersii) | G1 | 28 count |
| Graham beardtongue (Penstemon grahamii) | G2 | 7 count |
| White River Penstemon (Penstemon scariosus var. albifluis) | G4T1 | 22 count |
| Clay Reed-mustard (Schoenocrambe argillacea) | G1 | 13 count |
| Pariette Cactus (Sclerocactus brevispinus) | G1 | 64 count |
| Uinta Basin Hookless Cactus (Sclerocactus wetlandicus) | G3 | 22 count |
| Spanish Bayonet (Yucca harrimaniae var. sterilis) | G4GST1 | 1 count |

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
### Appendix H. Conservation Area Summaries

#### 12 Tridell

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Colorado Plateau Mixed Bedrock Canyon and Tableland</td>
<td>Small</td>
<td>1</td>
<td>ha</td>
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<tr>
<td></td>
<td>Colorado Plateau Pinyon-Juniper Woodland Shrubland and Savanna</td>
<td>Matrix</td>
<td>73</td>
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<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>25</td>
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<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
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<td>1</td>
<td>ha</td>
</tr>
<tr>
<td>Riparian</td>
<td>Large</td>
<td>21</td>
<td>ha</td>
<td></td>
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<td>Inter-Mountain Basins Greasewood Flat</td>
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<td>ha</td>
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<tr>
<td>Plants</td>
<td>Goodrichs Penstemon (Penstemon goodrichii)</td>
<td>G2</td>
<td>1</td>
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#### 13 Williams Fork Mountain/Dill Gulch

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<td></td>
<td>Colorado Plateau Pinyon-Juniper Woodland Shrubland and Savanna</td>
<td>Matrix</td>
<td>15</td>
<td>ha</td>
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<td>Northern Rocky Mountain Dry-Mesic Montane Mixed Conifer Forest</td>
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<td>4</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
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<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
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<td>Rocky Mountain Gambel Oak-Mixed Montane Shrubland</td>
<td>Small</td>
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<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Semi-Desert Grassland</td>
<td>Large</td>
<td>47</td>
<td>ha</td>
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<td></td>
<td>North American Arid West Emergent Marsh</td>
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<td>ha</td>
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<tr>
<td>Riparian</td>
<td>Linear</td>
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<td>Inter-Mountain Basins Greasewood Flat</td>
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<td>3</td>
<td>ha</td>
</tr>
<tr>
<td>Bird</td>
<td>Bald Eagle (Haliaeetus leucocephalus)</td>
<td>G5</td>
<td>1</td>
<td>count</td>
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<tr>
<td></td>
<td>Columbian Sharp-tailed Grouse (Tympanuchus phasianellus columbianus)</td>
<td>G4T3</td>
<td>12,636</td>
<td>ha</td>
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<tr>
<td></td>
<td>Greater Sage Grouse (core areas) (Centrocercus urophasianus)</td>
<td>G4</td>
<td>8,254</td>
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<tr>
<td>Mammals</td>
<td>Elk (Cervus canadensis)</td>
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<td>13,291</td>
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#### 14 Yampa River

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<td>Terr Ecosys</td>
<td>Colorado Plateau Pinyon-Juniper Woodland Shrubland and Savanna</td>
<td>Matrix</td>
<td>2</td>
<td>ha</td>
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</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
### Appendix H. Conservation Area Summaries

<table>
<thead>
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<th>Terr Ecosys</th>
<th>Matrix</th>
<th>5  ha</th>
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<tr>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>410 ha</td>
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<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
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<td>12 ha</td>
</tr>
<tr>
<td>rocky Mountain Gamble Oak-Mixed Shrubland</td>
<td>Linear</td>
<td>265 ha</td>
</tr>
<tr>
<td>Riparian</td>
<td>Large</td>
<td>8  ha</td>
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<tr>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td></td>
<td></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Bird</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Bald Eagle (Haliaeetus leucocephalus)</td>
<td>G5</td>
<td>3</td>
</tr>
<tr>
<td>Count</td>
<td></td>
<td>count</td>
</tr>
<tr>
<td>Columbian Sharp-tailed Grouse</td>
<td>G4T3</td>
<td>909 ha</td>
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</table>

<table>
<thead>
<tr>
<th>Mammals</th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Elk (Cervus canadensis)</td>
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<td>2,525 ha</td>
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#### 15 Ashley Valley

<table>
<thead>
<tr>
<th>Size (hectares):</th>
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<th>Utah</th>
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<tbody>
<tr>
<td>Size (acres):</td>
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<table>
<thead>
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<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Colorado Plateau Mixed Bedrock Canyon and Tableland</td>
<td>Small</td>
<td>14</td>
<td>ha</td>
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<tr>
<td></td>
<td>Colorado Plateau Pinyon-Juniper Woodland Shrubland and Savanna</td>
<td>Matrix</td>
<td>181 ha</td>
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</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>9  ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>71 ha</td>
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</tr>
<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Stepe</td>
<td>Large</td>
<td>26 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Southern Rocky Mountain Montane-Subalpine Grassland</td>
<td>Small</td>
<td>3  ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Alpine-Montane Wet Meadow</td>
<td>Small</td>
<td>20 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Riparian</td>
<td>Linear</td>
<td>83 ha</td>
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<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
<td>45 ha</td>
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<tr>
<td>Mammals</td>
<td>Mule Deer (Odocoileus hemionus)</td>
<td>G5</td>
<td>2,552 ha</td>
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<tr>
<td>Plants</td>
<td>Utes Ladies Tresses (Spiranthes diluvialis)</td>
<td>G2G3</td>
<td>16 count</td>
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#### 16 Douglas Mountain

<table>
<thead>
<tr>
<th>Size (hectares):</th>
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<th>State(s):</th>
<th>Colorado</th>
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<tbody>
<tr>
<td>Size (acres):</td>
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<table>
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<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Colorado Plateau Pinyon-Juniper Woodland Shrubland and Savanna</td>
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<td>351 ha</td>
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<tr>
<td></td>
<td>rocky Mountain Ponderosa Pine Woodland and Savanna</td>
<td>Small</td>
<td>47 ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>568 ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
<td>Large</td>
<td>3  ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Lower Montane-Foothill Shrubland</td>
<td>Small</td>
<td>9  ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Semi-Desert Grassland</td>
<td>Large</td>
<td>26 ha</td>
<td></td>
</tr>
<tr>
<td>Plants</td>
<td>Narrow-leaf evening Primrose (Oenothera acutissima)</td>
<td>G2</td>
<td>1 count</td>
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</tr>
</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
## Appendix H. Conservation Area Summaries

### 17 Browns Park

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
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<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>30</td>
<td>ha</td>
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<td></td>
<td>Colorado Plateau Mixed Bedrock Canyon and Tableland</td>
<td>Small</td>
<td>219</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>294</td>
<td>ha</td>
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<td></td>
<td>Colorado Plateau Pinyon-Juniper Woodland Shrubland and Savanna</td>
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<td>2,790</td>
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<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
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<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
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<td>15,162</td>
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<td>6</td>
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<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
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<td>ha</td>
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<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
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<td>9</td>
<td>ha</td>
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<tr>
<td></td>
<td>Rocky Mountain Lower Montane-Foothill Shrubland</td>
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<td>0</td>
<td>ha</td>
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<tr>
<td></td>
<td>Northern Rocky Mountain Lower Montane Foothill and Valley Grassland</td>
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<td>0</td>
<td>ha</td>
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<tr>
<td></td>
<td>Riparian</td>
<td>Linear</td>
<td>222</td>
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<td>Inter-Mountain Basins Greasewood Flat</td>
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<td>ha</td>
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<td>Amphibian</td>
<td>Northern Leopard Frog (Rana pipiens)</td>
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<td>count</td>
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<tr>
<td>Bird</td>
<td>Bald Eagle (Haliaeetus leucocephalus)</td>
<td>G5</td>
<td>24</td>
<td>count</td>
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<tr>
<td>Mammals</td>
<td>Elk (Cervus canadensis)</td>
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<td>13,990</td>
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<tr>
<td></td>
<td>Idaho Pocket Gopher (Thomomys idahoensis)</td>
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<td>11,615</td>
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<tr>
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<td>White tailed Prairie Dog (Cynomus leucurus)</td>
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<tr>
<td>Plants</td>
<td>Duchesne Milkvetch (Astragalus duchesnensis)</td>
<td>G3</td>
<td>1</td>
<td>count</td>
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<tr>
<td></td>
<td>Gibbens Beardtongue (Penstemon gibbensii)</td>
<td>G1G2</td>
<td>8</td>
<td>count</td>
</tr>
<tr>
<td></td>
<td>Utes Ladies Tresses (Spiranthes diluvialis)</td>
<td>G2G3</td>
<td>3</td>
<td>count</td>
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### 18 Bull Run Creek

<table>
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<th>G-rank</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Terr Ecosys</td>
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<td>Rocky Mountain Aspen Forest and Woodland</td>
<td>Small</td>
<td>2</td>
<td>ha</td>
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<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
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<td>Matrix</td>
<td>8</td>
<td>ha</td>
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<td></td>
<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
<td>Large</td>
<td>99</td>
<td>ha</td>
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<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td>435</td>
<td>ha</td>
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<td>Western Great Plains Open Freshwater Depression Wetland</td>
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</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
### Appendix H. Conservation Area Summaries

#### 19 North Platte - Threemile Creek

<table>
<thead>
<tr>
<th>Size (hectares)</th>
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<thead>
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<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>2</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>3</td>
<td>ha</td>
</tr>
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<td></td>
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<tr>
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<td>52</td>
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<td>Matrix</td>
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<td>ha</td>
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<tr>
<td></td>
<td>Rocky Mountain Gambel Oak-Mixed Montane Shrubland</td>
<td>Small</td>
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<td></td>
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<td>130</td>
<td>ha</td>
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<td>Western Great Plains Saline Depression Wetland</td>
<td>Small</td>
<td>9</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Riparian</td>
<td>Linear</td>
<td>9</td>
<td>ha</td>
</tr>
</tbody>
</table>

| Bird       | Bald Eagle (Haliaeetus leucocephalus)                                      | G5         | 1 count |
|           | Greater Sage Grouse (core areas) (Centrocercus urophasianus)              | G4         | 2,869 ha |

| Mammals    | Elk (Cervus canadensis)                                                   | G5         | 2,678 ha |
|           | Mule Deer (Odocoileus hemionus)                                           | G5         | 347 ha   |

#### 20 Flaming Gorge - Henry's Fork

<table>
<thead>
<tr>
<th>Size (hectares)</th>
<th>1,000</th>
<th>State(s):</th>
<th>Wyoming</th>
<th>Section(s): 1 2 3 4 5</th>
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<th>G-rank</th>
<th>Amount</th>
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<tr>
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<tr>
<td></td>
<td>Colorado Plateau Mixed Bedrock Canyon and Tableland</td>
<td>Small</td>
<td>44</td>
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<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>5</td>
<td>ha</td>
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<tr>
<td></td>
<td>Colorado Plateau Pinyon-Juniper Woodland Shrubland and Savanna</td>
<td>Matrix</td>
<td>0</td>
<td>ha</td>
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<tr>
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<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
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<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
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<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>327</td>
<td>ha</td>
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<td></td>
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<td>1</td>
<td>ha</td>
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<td></td>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
<td>133</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td>4</td>
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</tr>
</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
### Appendix H. Conservation Area Summaries

| Terr Ecosys | Western Great Plains Open Freshwater Depression Wetland | Small | 15 ha |
| Western Great Plains Saline Depression Wetland | Small | 1 ha |
| Riparian | Linear | 8 ha |
| Inter-Mountain Basins Greasewood Flat | Large | 10 ha |
| Western Great Plains Floodplain | Linear | 0 ha |
| Mammals | Mule Deer (Odocoileus hemionus) | G5 | 773 ha |
| Plants | Precocious Milkvetch (Astragalus proimanthus) | G1 | 8 count |

#### 21 Sand Creek

| Size (hectares): | 1,000 | State(s): | Wyoming |
| Size (acres): | 2,471 | % Public: | 21% |

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<tr>
<td></td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>3 ha</td>
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<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large</td>
<td>1 ha</td>
<td></td>
</tr>
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<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>1 ha</td>
<td></td>
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<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>48 ha</td>
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<td></td>
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<td>Large</td>
<td>4 ha</td>
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<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td>452 ha</td>
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<td>Northwestern Great Plains Mixedgrass Prairie</td>
<td>Matrix</td>
<td>378 ha</td>
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<td></td>
<td>Western Great Plains Open Freshwater Depression Wetland</td>
<td>Small</td>
<td>9 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Saline Depression Wetland</td>
<td>Small</td>
<td>27 ha</td>
<td></td>
</tr>
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<td></td>
<td>Riparian</td>
<td>Linear</td>
<td>31 ha</td>
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<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
<td>33 ha</td>
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</tr>
<tr>
<td>Bird</td>
<td>Ferruginous Hawk (Buteo regalis)</td>
<td>G4</td>
<td>2 count</td>
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<tr>
<td>Mammals</td>
<td>Mule Deer (Odocoileus hemionus)</td>
<td>G5</td>
<td>821 ha</td>
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<tr>
<td></td>
<td>Wyoming Ground Squirrel (Spermophilus elegans)</td>
<td>G5</td>
<td>2 count</td>
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#### 22 Hilliard Flat

| Size (hectares): | 4,000 | State(s): | Utah, Wyoming |
| Size (acres): | 9,884 | % Public: | 6% |

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<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>0 ha</td>
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<td></td>
<td>Rocky Mountain Aspen Forest and Woodland</td>
<td>Small</td>
<td>357 ha</td>
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<td>Rocky Mountain Bigtooth Maple Ravine Woodland</td>
<td>Linear</td>
<td>0 ha</td>
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<tr>
<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large</td>
<td>135 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Lodgepole Pine Forest</td>
<td>Small</td>
<td>1 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>404 ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
<td>Large</td>
<td>1,401 ha</td>
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</tr>
<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td>65 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Lower Montane-Foothill Shrubland</td>
<td>Small</td>
<td>9 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Gambel Oak-Mixed Montane Shrubland</td>
<td>Small</td>
<td>11 ha</td>
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</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
Appendix H. Conservation Area Summaries

<table>
<thead>
<tr>
<th>Terr Ecosys</th>
<th>Southern Rocky Mountain Montane-Subalpine Grassland</th>
<th>Small</th>
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<th>ha</th>
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<tbody>
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<td></td>
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<td>Matrix</td>
<td>26</td>
<td>ha</td>
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<tr>
<td></td>
<td>Rocky Mountain Alpine-Montane Wet Meadow</td>
<td>Small</td>
<td>2</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Open Freshwater Depression Wetland</td>
<td>Small</td>
<td>3</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Saline Depression Wetland</td>
<td>Small</td>
<td>601</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Riparian</td>
<td>Linear</td>
<td>3</td>
<td>ha</td>
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<tr>
<td>Mammals</td>
<td>Idaho Pocket Gopher (Thomomys idahoensis)</td>
<td>G4</td>
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### 23 Willow Creek

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<th>G-rank</th>
<th>Amount</th>
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<tbody>
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<td>Matrix</td>
<td>3</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>227</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>187</td>
<td>ha</td>
</tr>
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<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large</td>
<td>6</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>867</td>
<td>ha</td>
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<tr>
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<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
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<td>ha</td>
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<td>Large</td>
<td>1</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
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<td>1,161</td>
<td>ha</td>
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<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
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<td>12</td>
<td>ha</td>
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<td>Small</td>
<td>65</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Riparian</td>
<td>Linear</td>
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<td>ha</td>
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<tr>
<td>Plants</td>
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### 24 Flat Top Mountain

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<th>G-rank</th>
<th>Amount</th>
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<tbody>
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<td>ha</td>
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<td></td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>5</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
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<td>ha</td>
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<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
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<td>3</td>
<td>ha</td>
</tr>
<tr>
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<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
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<td>ha</td>
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<td>ha</td>
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<tr>
<td>Plants</td>
<td>Gibbens Beardtongue (Penstemon gibbensii)</td>
<td>G1G2</td>
<td>6</td>
<td>count</td>
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<td></td>
<td>Desert Glandular Phacelia (Phacelia glandulosa var. deserta)</td>
<td>G4T1T2</td>
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</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
### Appendix H. Conservation Area Summaries

#### 25 Aspen Mountain

<table>
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<tr>
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<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
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<td>Small</td>
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<tr>
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<td>Rocky Mountain Aspen Forest and Woodland</td>
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<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
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<td>ha</td>
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<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
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<td>ha</td>
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<td></td>
<td>Northwestern Great Plains Mixedgrass Prairie</td>
<td>Small</td>
<td>2</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Saline Depression Wetland</td>
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<td>26</td>
<td>ha</td>
</tr>
<tr>
<td>Mammals</td>
<td>Idaho Pocket Gopher (Thomomys idahoensis)</td>
<td>G4</td>
<td>1,004</td>
<td>ha</td>
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<tr>
<td>Plants</td>
<td>Prostrate Bladderpod (Lesquerella prostrata)</td>
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#### 26 Sawmill Canyon

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<th>G-rank</th>
<th>Amount</th>
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<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
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<td>169</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
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<td>96</td>
<td>ha</td>
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<tr>
<td></td>
<td>Rocky Mountain Lower Montane-Foothill Shrubland</td>
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<td></td>
<td>Riparian</td>
<td>Linear</td>
<td>5</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
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<td>30</td>
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<td></td>
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#### 27 Centennial Valley

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<td>Section(s):</td>
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<table>
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<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
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<tr>
<td>Terr Ecosys</td>
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<tr>
<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
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<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
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</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.

Systematic Conservation Planning in the Wyoming Basins: Appendix H. Conservation Area Summaries Page | 78
Appendix H. Conservation Area Summaries

**Terr Ecosys**
- Western Great Plains Open Freshwater Depression Wetland
- Western Great Plains Saline Depression Wetland
- Riparian
- Inter-Mountain Basins Greasewood Flat
- Western Great Plains Floodplain

**Bird**
- Bald Eagle (Haliaeetus leucocephalus)

**Mammals**
- Mule Deer (Odocoileus hemionus)

---

### 28 Bridger Butte

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<th>G-rank</th>
<th>Amount</th>
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<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>1</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>2</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large</td>
<td>94</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>510</td>
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<td></td>
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<td></td>
<td>Western Great Plains Open Freshwater Depression Wetland</td>
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<td>ha</td>
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<tr>
<td></td>
<td>Western Great Plains Saline Depression Wetland</td>
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<td>19</td>
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<td>Riparian</td>
<td>Linear</td>
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<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
<td>0</td>
<td>ha</td>
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<tr>
<td>Mammals</td>
<td>Elk (Cervus canadensis)</td>
<td>G5</td>
<td>169</td>
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<tr>
<td></td>
<td>Idaho Pocket Gopher (Thomomys idahoensis)</td>
<td>G4</td>
<td>1,004</td>
<td>ha</td>
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<tr>
<td></td>
<td>Mule Deer (Odocoileus hemionus)</td>
<td>G5</td>
<td>957</td>
<td>ha</td>
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<tr>
<td>Plants</td>
<td>Prostrate Bladderpod (Lesquerella prostrata)</td>
<td>G2G3</td>
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### 29 Pine Butte

<table>
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<th>Amount</th>
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<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>5</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>36</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Aspen Forest and Woodland</td>
<td>Small</td>
<td>13</td>
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</tr>
<tr>
<td></td>
<td>Northern Rocky Mountain Dry-Mesic Montane Mixed Conifer Forest</td>
<td>Small</td>
<td>1</td>
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<tr>
<td></td>
<td>Rocky Mountain Lodgepole Pine Forest</td>
<td>Small</td>
<td>12</td>
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</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>177</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>223</td>
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<tr>
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<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
<td>7</td>
<td>ha</td>
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<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
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<td>162</td>
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</tr>
<tr>
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<td>Northwestern Great Plains Mixedgrass Prairie</td>
<td>Matrix</td>
<td>0</td>
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</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
Appendix H. Conservation Area Summaries

**30 Laramie Plains Lakes**

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
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<td>Inter-Mountain Basins Active and Stabilized Dune</td>
<td>Matrix</td>
<td>5</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>34</td>
<td>ha</td>
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<tr>
<td></td>
<td>Rocky Mountain Aspen Forest and Woodland</td>
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<td>11</td>
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<tr>
<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large</td>
<td>0</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>286</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
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<tr>
<td></td>
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<td>0</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
<td>644</td>
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<td>2,600</td>
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<td></td>
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<td>8,531</td>
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<tr>
<td></td>
<td>Western Great Plains Open Freshwater Depression Wetland</td>
<td>Small</td>
<td>133</td>
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<tr>
<td></td>
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<td>Small</td>
<td>2,547</td>
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<tr>
<td>Amphibian</td>
<td>Wyoming Toad (Bufo baxteri)</td>
<td>G1</td>
<td>244</td>
<td>count</td>
</tr>
<tr>
<td>Bird</td>
<td>Bald Eagle (Haliaeetus leucocephalus)</td>
<td>G5</td>
<td>9</td>
<td>count</td>
</tr>
<tr>
<td></td>
<td>Ferruginous Hawk (Buteo regalis)</td>
<td>G4</td>
<td>1</td>
<td>count</td>
</tr>
<tr>
<td>Mammals</td>
<td>Elk (Cervus canadensis)</td>
<td>G5</td>
<td>469</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Mule Deer (Odocoileus hemionus)</td>
<td>G5</td>
<td>2,232</td>
<td>ha</td>
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<tr>
<td></td>
<td>Preble's Meadow Jumping Mouse (Zapus hudsonius preblei)</td>
<td>G5T2</td>
<td>6</td>
<td>count</td>
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<td></td>
<td>Pronghorn (Antilocapra americana)</td>
<td>G5</td>
<td>4,450</td>
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<tr>
<td></td>
<td>Swift Fox (Vulpes velox)</td>
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<td>count</td>
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<tr>
<td></td>
<td>White tailed Prairie Dog (Cynomus leucurus)</td>
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<td>112</td>
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<tr>
<td></td>
<td>Wyoming Ground Squirrel (Spermophilus elegans)</td>
<td>G5</td>
<td>3</td>
<td>count</td>
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<tr>
<td>Plants</td>
<td>Wards Goldenweed (Oonopsis wardii)</td>
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<td>10</td>
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</table>

**31 Laramie**

<table>
<thead>
<tr>
<th>Tax Group</th>
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<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
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<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Active and Stabilized Dune</td>
<td>Matrix</td>
<td>1</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large</td>
<td>3</td>
<td>ha</td>
</tr>
</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
### Appendix H. Conservation Area Summaries

<table>
<thead>
<tr>
<th>Terr Ecosys</th>
<th>Inter-Mountain Basins Mixed Salt Desert Scrub</th>
<th>Matrix</th>
<th>8 ha</th>
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<tbody>
<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
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<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
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<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
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<td></td>
<td>Northwestern Great Plains Mixedgrass Prairie</td>
<td>Matrix</td>
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<td>Small</td>
<td>5 ha</td>
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<td>Western Great Plains Saline Depression Wetland</td>
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<td>86 ha</td>
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<td>110 ha</td>
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<tr>
<td></td>
<td>Western Great Plains Floodplain</td>
<td>Linear</td>
<td>7 ha</td>
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</table>

**Amphibian**
- Wyoming Toad (Bufo baxteri) G1 2 count

**Bird**
- Bald Eagle (Haliaeetus leucocephalus) G5 1 count
- Swift Fox (Vulpes velox) G3 1 count
- Wyoming Ground Squirrel (Spermophilus elegans) G5 2 count

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Active and Stabilized Dune</td>
<td>Matrix</td>
<td>12,471 ha</td>
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<td></td>
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<td>246 ha</td>
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<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>1,702 ha</td>
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<tr>
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<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large</td>
<td>2 ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>20,101 ha</td>
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<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
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</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
<td>6,154 ha</td>
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<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
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<td>534 ha</td>
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<td>Riparian</td>
<td>Linear</td>
<td>626 ha</td>
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<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
<td>616 ha</td>
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**Bird**
- Ferruginous Hawk (Buteo regalis) G4 1 count
- Mountain Plover (Charadrius montanus) G3 12 count

**Mammals**
- Pronghorn (Antilocapra americana) G5 6,179 ha
- White tailed Prairie Dog (Cynomus leucurus) G4 28 ha

<table>
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<th>Tax Group</th>
<th>Target Name</th>
<th>Type</th>
<th>G-rank</th>
<th>Amount</th>
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<tbody>
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<td>Inter-Mountain Basins Active and Stabilized Dune</td>
<td>Matrix</td>
<td>5 ha</td>
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<td></td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>101 ha</td>
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</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>717 ha</td>
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<tr>
<td></td>
<td>Rocky Mountain Aspen Forest and Woodland</td>
<td>Small</td>
<td>20 ha</td>
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</tr>
</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
### Appendix H. Conservation Area Summaries

**Terr Ecosys**

<table>
<thead>
<tr>
<th>Description</th>
<th>Type</th>
<th>Size (ha)</th>
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<td>Matrix</td>
<td>3,225</td>
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<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
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<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
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<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
<td>219</td>
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<tr>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
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<td>1,761</td>
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<td>Western Great Plains Open Freshwater Depression Wetland</td>
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</tr>
<tr>
<td>Western Great Plains Saline Depression Wetland</td>
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<td>42</td>
</tr>
<tr>
<td>Riparian</td>
<td>Linear</td>
<td>445</td>
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<tr>
<td>Inter-Mountain Basins Greasewood Flat</td>
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<td>372</td>
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<table>
<thead>
<tr>
<th>Bird</th>
<th>Mammals</th>
<th>Target Name</th>
<th>G-Rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Greater Sage Grouse (core areas)</td>
<td>(Centrocercus urophasianus)</td>
<td>G4</td>
<td>20,368</td>
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</tr>
<tr>
<td>Mule Deer</td>
<td>(Odocoileus hemionus)</td>
<td>G5</td>
<td>12,559</td>
<td></td>
</tr>
<tr>
<td>Pronghorn</td>
<td>(Antilocapra americana)</td>
<td>G5</td>
<td>15,774</td>
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<tr>
<td>Pygmy Rabbit</td>
<td>(Brachylagus idahoensis)</td>
<td>G4</td>
<td>1 count</td>
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</tbody>
</table>

### 34 Ragan

<table>
<thead>
<tr>
<th>Size (hectares):</th>
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<th>State(s):</th>
<th>Wyoming</th>
<th>Section(s):</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size (acres):</td>
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<td>% Public:</td>
<td>36%</td>
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<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Active and Stabilized Dune</td>
<td>Matrix</td>
<td>2</td>
<td>ha</td>
</tr>
<tr>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>54</td>
<td>ha</td>
<td></td>
</tr>
<tr>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>6</td>
<td>ha</td>
<td></td>
</tr>
<tr>
<td>Rocky Mountain Aspen Forest and Woodland</td>
<td>Small</td>
<td>95</td>
<td>ha</td>
<td></td>
</tr>
<tr>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large</td>
<td>1,705</td>
<td>ha</td>
<td></td>
</tr>
<tr>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>11</td>
<td>ha</td>
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</tr>
<tr>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>11,446</td>
<td>ha</td>
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</tr>
<tr>
<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
<td>Large</td>
<td>43</td>
<td>ha</td>
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<tr>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
<td>26</td>
<td>ha</td>
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</tr>
<tr>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td>2,211</td>
<td>ha</td>
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</tr>
<tr>
<td>Northwestern Great Plains Mixedgrass Prairie</td>
<td>Matrix</td>
<td>18</td>
<td>ha</td>
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<tr>
<td>Western Great Plains Open Freshwater Depression Wetland</td>
<td>Small</td>
<td>33</td>
<td>ha</td>
<td></td>
</tr>
<tr>
<td>Western Great Plains Saline Depression Wetland</td>
<td>Small</td>
<td>101</td>
<td>ha</td>
<td></td>
</tr>
<tr>
<td>Riparian</td>
<td>Linear</td>
<td>541</td>
<td>ha</td>
<td></td>
</tr>
<tr>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
<td>215</td>
<td>ha</td>
<td></td>
</tr>
<tr>
<td>Western Great Plains Floodplain</td>
<td>Linear</td>
<td>44</td>
<td>ha</td>
<td></td>
</tr>
<tr>
<td>Bird</td>
<td>Bald Eagle</td>
<td>(Haliaeetus leucocephalus)</td>
<td>G5</td>
<td>31 count</td>
</tr>
<tr>
<td>Mammals</td>
<td>Elk</td>
<td>(Cervus canadensis)</td>
<td>G5</td>
<td>1,960</td>
</tr>
<tr>
<td>Idaho Pocket Gopher</td>
<td>(Thomomys idahoensis)</td>
<td>G4</td>
<td>16,937</td>
<td>ha</td>
</tr>
<tr>
<td>Mule Deer</td>
<td>(Odocoileus hemionus)</td>
<td>G5</td>
<td>12,853</td>
<td>ha</td>
</tr>
<tr>
<td>Pronghorn</td>
<td>(Antilocapra americana)</td>
<td>G5</td>
<td>3,285</td>
<td>ha</td>
</tr>
<tr>
<td>Plants</td>
<td>Prostrate Bladderpod</td>
<td>(Lesquerella prostrata)</td>
<td>G2G3</td>
<td>20 count</td>
</tr>
<tr>
<td>Tufted Twinpod</td>
<td>(Physaria condensata)</td>
<td>G2</td>
<td>2 count</td>
<td></td>
</tr>
<tr>
<td>Dorns Twinpod</td>
<td>(Physaria dornii)</td>
<td>G1</td>
<td>3 count</td>
<td></td>
</tr>
</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.

Systematic Conservation Planning in the Wyoming Basins: Appendix H. Conservation Area Summaries Page | 82
## Appendix H. Conservation Area Summaries

### Tax Group Target Name

<table>
<thead>
<tr>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
</table>

#### Bone Draw

- **Size (hectares):** 1,000  
- **Size (acres):** 2,471  
- **State(s):** Wyoming  
- **Section(s):** 1-2-3-4-5  
- **% Public:** 48%

#### Blacks Fork

- **Size (hectares):** 1,000  
- **Size (acres):** 2,471  
- **State(s):** Wyoming  
- **Section(s):** 1-2-3-4-5  
- **% Public:** 25%

---

**Sections:** 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
**Appendix H. Conservation Area Summaries**

### 37 Bamforth Lake

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>96 ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>256 ha</td>
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</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
<td>155 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td>534 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Northwestern Great Plains Mixedgrass Prairie</td>
<td>Matrix</td>
<td>187 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Open Freshwater Depression Wetland</td>
<td>Small</td>
<td>2 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Saline Depression Wetland</td>
<td>Small</td>
<td>556 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Riparian</td>
<td>Linear</td>
<td>10 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
<td>16 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Floodplain</td>
<td>Linear</td>
<td>0 ha</td>
<td></td>
</tr>
<tr>
<td>Mammals</td>
<td>Pronghorn (Antilocapra americana)</td>
<td>G5</td>
<td>1,645 ha</td>
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<tr>
<td></td>
<td>White tailed Prairie Dog (Cynomus leucurus)</td>
<td>G4</td>
<td>22 ha</td>
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</tr>
<tr>
<td></td>
<td>Wyoming Ground Squirrel (Spermophilus elegans)</td>
<td>G5</td>
<td>1 count</td>
<td></td>
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### 38 Laramie River

<table>
<thead>
<tr>
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<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>3 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>46 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
<td>0 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td>33 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Northwestern Great Plains Mixedgrass Prairie</td>
<td>Matrix</td>
<td>563 ha</td>
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</tr>
<tr>
<td></td>
<td>Western Great Plains Open Freshwater Depression Wetland</td>
<td>Small</td>
<td>2 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Saline Depression Wetland</td>
<td>Small</td>
<td>193 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
<td>119 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Floodplain</td>
<td>Linear</td>
<td>10 ha</td>
<td></td>
</tr>
<tr>
<td>Mammals</td>
<td>Wyoming Ground Squirrel (Spermophilus elegans)</td>
<td>G5</td>
<td>1 count</td>
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### 39 Wild Rose Draw

<table>
<thead>
<tr>
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<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Active and Stabilized Dune</td>
<td>Matrix</td>
<td>4 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>5 ha</td>
<td></td>
</tr>
</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
### Appendix H. Conservation Area Summaries

#### 40 Quaking Aspen Mountain

<table>
<thead>
<tr>
<th>Size (hectares):</th>
<th>1,000</th>
<th>State(s):</th>
<th>Wyoming</th>
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</thead>
<tbody>
<tr>
<td>Size (acres):</td>
<td>2,471</td>
<td>% Public:</td>
<td>37%</td>
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#### Tax Group | Target Name |
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Aspen Forest and Woodland</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Saline Depression Wetland</td>
</tr>
<tr>
<td></td>
<td>Riparian</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
</tr>
</tbody>
</table>

#### Mammals | Wyoming Pocket Gopher (Thomomys clusius) |
|-------------|----------------------------------------|

#### 41 Watt Lake

<table>
<thead>
<tr>
<th>Size (hectares):</th>
<th>2,000</th>
<th>State(s):</th>
<th>Wyoming</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size (acres):</td>
<td>4,942</td>
<td>% Public:</td>
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#### Tax Group | Target Name |
<table>
<thead>
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</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
</tr>
<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
</tr>
<tr>
<td></td>
<td>Northwestern Great Plains Mixedgrass Prairie</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Alpine-Montane Wet Meadow</td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Open Freshwater Depression Wetland</td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Saline Depression Wetland</td>
</tr>
<tr>
<td></td>
<td>Riparian</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
</tr>
</tbody>
</table>

#### Mammals | Wyoming Ground Squirrel (Spermophilus elegans) |
|-------------|-----------------------------------------------|

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
Appendix H. Conservation Area Summaries

42 Green River

Size (hectares): 3,000  
Size (acres): 7,413  
State(s): Wyoming  
% Public: 51%

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Inter-Mountain Basins Active and Stabilized Dune</td>
<td>Matrix</td>
<td>6</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>436</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>623</td>
<td>ha</td>
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<tr>
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<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large</td>
<td>36</td>
<td>ha</td>
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<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>14</td>
<td>ha</td>
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<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
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<td>986</td>
<td>ha</td>
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<td></td>
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<td>471</td>
<td>ha</td>
</tr>
<tr>
<td></td>
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<td>7</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Open Freshwater Depression Wetland</td>
<td>Small</td>
<td>6</td>
<td>ha</td>
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<tr>
<td></td>
<td>Western Great Plains Saline Depression Wetland</td>
<td>Small</td>
<td>77</td>
<td>ha</td>
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<tr>
<td></td>
<td>Riparian</td>
<td>Linear</td>
<td>15</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
<td>194</td>
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<td></td>
<td>Western Great Plains Floodplain</td>
<td>Linear</td>
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Plants

<table>
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<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plants</td>
<td>Desert Glandular Phacelia (Phacelia glandulosa var. deserta)</td>
<td>G4T1T2</td>
<td>2</td>
<td>count</td>
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<tr>
<td></td>
<td>Green River Greenthread (Thelesperma caespitosum)</td>
<td>G1</td>
<td>31</td>
<td>count</td>
</tr>
</tbody>
</table>

43 Wilkins Peak

Size (hectares): 1,000  
Size (acres): 2,471  
State(s): Wyoming  
% Public: 54%

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Active and Stabilized Dune</td>
<td>Matrix</td>
<td>5</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
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<td>80</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>77</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
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<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
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<td>ha</td>
</tr>
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<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
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<td>ha</td>
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<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
<td>2</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td>15</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Riparian</td>
<td>Linear</td>
<td>5</td>
<td>ha</td>
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Plants

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plants</td>
<td>Desert Glandular Phacelia (Phacelia glandulosa var. deserta)</td>
<td>G4T1T2</td>
<td>2</td>
<td>count</td>
</tr>
</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
Appendix H. Conservation Area Summaries

44 Coal Gulch

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
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<td>Inter-Mountain Basins Active and Stabilized Dune</td>
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<td>7</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>1</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large</td>
<td>1</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>765</td>
<td>ha</td>
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<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
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<td>ha</td>
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<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
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<td>ha</td>
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<tr>
<td></td>
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<td>ha</td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Saline Depression Wetland</td>
<td>Small</td>
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<td>Bird</td>
<td>Mountain Plover (Charadrius montanus)</td>
<td>G3</td>
<td>14</td>
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<tr>
<td>Mammals</td>
<td>Pygmy Rabbit (Brachylagus idahoensis)</td>
<td>G4</td>
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45 Flaming Gorge

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
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<tr>
<td></td>
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<td></td>
<td>Colorado Plateau Mixed Bedrock Canyon and Tableland</td>
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<td>430</td>
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<td>Inter-Mountain Basins Shale Badland</td>
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<tr>
<td></td>
<td>Rocky Mountain Alpine Bedrock and Scree</td>
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<tr>
<td></td>
<td>Rocky Mountain Aspen Forest and Woodland</td>
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<td>Inter-Mountain Basins Curl-leaf Mountain Mahogany Woodland and Shrubland</td>
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<td>Colorado Plateau Pinyon-Juniper Woodland Shrubland and Savanna</td>
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<td>Northern Rocky Mountain Dry-Mesic Montane Mixed Conifer Forest</td>
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<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
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<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
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<td>Rocky Mountain Lower Montane-Foothill Shrubland</td>
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<td>Rocky Mountain Gambel Oak-Mixed Montane Shrubland</td>
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<td>Inter-Mountain Basins Semi-Desert Grassland</td>
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<td>Northwestern Great Plains Mixedgrass Prairie</td>
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<td>1,456</td>
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<tr>
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<td>Rocky Mountain Alpine-Montane Wet Meadow</td>
<td>Small</td>
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</table>
Appendix H. Conservation Area Summaries

Terr Ecosys: Western Great Plains Open Freshwater Depression Wetland
          Small       427 ha
          Western Great Plains Saline Depression Wetland
          Small       2,760 ha
          Riparian
          Linear       2,624 ha
          Inter-Mountain Basins Greasewood Flat
          Large       2,798 ha
          Western Great Plains Floodplain
          Linear       172 ha

Amphibian: Northern Leopard Frog (Rana pipiens) G5 2 count

Bird: Bald Eagle (Haliaeetus leucocephalus) G5 38 count
       Ferruginous Hawk (Buteo regalis) G4 4 count
       Greater Sage Grouse (core areas) (Centrocercus urophasianus) G4 88,376 ha
       Mountain Plover (Charadrius montanus) G3 1 count

Mammals: Elk (Cervus canadensis) G5 29,379 ha
          Idaho Pocket Gopher (Thomomys idahoensis) G4 56,313 ha
          Mule Deer (Odocoileus hemionus) G5 59,713 ha
          Pronghorn (Antilocapra americana) G5 106,372 ha
          Pygmy Rabbit (Brachylagus idahoensis) G4 4 count
          White tailed Prairie Dog (Cynomus leucurus) G4 1,208 ha

Plants: Precocious Milkvetch (Astragalus proimanthus) G1 15 count
        Crandalls Rockcress (Boechera crandallii) G2 4 count
        Stemless Beardtongue (Penstemon acaulis var. acaulis) G3T2 45 count
        Desert Glandular Phacelia (Phacelia glandulosa var. deserta) G4T1T2 2 count
        Uinta Greenthread (Thelesperma pubescens) G1 41 count
        Cedar Mountain Easter Daisy (Townsendia microcephala) G1 21 count

46 Telephone Canyon

Size (hectares): 1,000
Size (acres): 2,471
Section(s): 1 0 0 0 0

Tax Group: Terr Ecosys
Target Name: Inter-Mountain Basins Active and Stabilized Dune Matrix 0 ha
              Inter-Mountain Basins Cliff and Canyon Small 56 ha
              Inter-Mountain Basins Shale Badland Small 83 ha
              Inter-Mountain Basins Mixed Salt Desert Scrub Matrix 2 ha
              Inter-Mountain Basins Big Sagebrush Steppe and Shrubland Matrix 135 ha
              Inter-Mountain Basins Mat Saltbush Shrubland Large 37 ha
              Wyoming Basins Dwarf Sagebrush Shrubland and Steppe Large 0 ha
              Western Great Plains Open Freshwater Depression Wetland Small 3 ha
              Western Great Plains Saline Depression Wetland Small 14 ha
              Riparian Linear 7 ha
              Inter-Mountain Basins Greasewood Flat Large 60 ha
              Western Great Plains Floodplain Linear 14 ha

Mammals: Pygmy Rabbit (Brachylagus idahoensis) G4 1 count

Plants: Green River Greenthread (Thelesperma caespitosum) G1 2 count

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
### 47 Mexican Flats

<table>
<thead>
<tr>
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<td>1,726</td>
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<td>195</td>
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<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>147</td>
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<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
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<td>Rocky Mountain Ponderosa Pine Woodland and Savanna</td>
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<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
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<td>74</td>
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<td></td>
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<tr>
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<td>Rocky Mountain Lower Montane-Foothill Shrubland</td>
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<td>67</td>
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<tr>
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<td>Western Great Plains Saline Depression Wetland</td>
<td>Small</td>
<td>561</td>
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<td>Riparian</td>
<td>Linear</td>
<td>1,091</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
<td>1,907</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Floodplain</td>
<td>Linear</td>
<td>0</td>
<td>ha</td>
</tr>
<tr>
<td>Bird</td>
<td>Bald Eagle (Haliaeetus leucocephalus)</td>
<td>G5</td>
<td>5</td>
<td>count</td>
</tr>
<tr>
<td></td>
<td>Ferruginous Hawk (Buteo regalis)</td>
<td>G4</td>
<td>15</td>
<td>count</td>
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<tr>
<td></td>
<td>Greater Sage Grouse (core areas) (Centrocercus urophasianus)</td>
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<td>2,316</td>
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<td>Mountain Plover (Charadrius montanus)</td>
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<td>311</td>
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<tr>
<td>Mammals</td>
<td>Mule Deer (Odocoileus hemionus)</td>
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<td>8,779</td>
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<td></td>
<td>Pronghorn (Antilocapra americana)</td>
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<td>26,058</td>
<td>ha</td>
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<tr>
<td></td>
<td>Pygmy Rabbit (Brachylagus idahoensis)</td>
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<td>48</td>
<td>count</td>
</tr>
<tr>
<td></td>
<td>White tailed Prairie Dog (Cynomus leucurus)</td>
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<td>1,152</td>
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<td>Plants</td>
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<td>count</td>
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### 48 White Mountain

<table>
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<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
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<tr>
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<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>269</td>
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<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>83</td>
<td>ha</td>
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<td></td>
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<td>Large</td>
<td>27</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>29</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>301</td>
<td>ha</td>
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<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
<td>141</td>
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</tr>
</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
## Appendix H. Conservation Area Summaries

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Terr Ecosys</strong></td>
<td><strong>Wyoming Dwarf Sagebrush Shrubland and Steppe</strong> Large</td>
<td>Large</td>
<td>27 ha</td>
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</tr>
<tr>
<td></td>
<td><strong>Rocky Mountain Lower Montane-Foothill Shrubland</strong> Small</td>
<td>Small</td>
<td>53 ha</td>
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</tr>
<tr>
<td></td>
<td><strong>Western Great Plains Saline Depression Wetland</strong> Small</td>
<td>Small</td>
<td>0 ha</td>
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<tr>
<td></td>
<td><strong>Riparian</strong> Linear</td>
<td>Linear</td>
<td>0 ha</td>
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<tr>
<td></td>
<td><strong>Inter-Mountain Basins Greasewood Flat</strong> Large</td>
<td>Large</td>
<td>10 ha</td>
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<tr>
<td><strong>Mammals</strong></td>
<td><strong>Pronghorn</strong> (Antilocapra americana) G5</td>
<td>G5</td>
<td>863 ha</td>
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<td><strong>Desert Glandular Phacelia</strong> (Phacelia glandulosa var. deserta) G4T1T2</td>
<td>G4T1T2</td>
<td>2 count</td>
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</tbody>
</table>

### 49 Delaney Rim

- **Size (hectares):** 2,000
- **State(s):** Wyoming
- **Size (acres):** 4,942
- **% Public:** 43%
- **Section(s):** 1, 2, 3, 4, 5

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<th>Target Name</th>
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<th>G-rank</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td><strong>Terr Ecosys</strong></td>
<td><strong>Inter-Mountain Basins Cliff and Canyon</strong></td>
<td>Small</td>
<td>8 ha</td>
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<tr>
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<td><strong>Inter-Mountain Basins Shale Badland</strong></td>
<td>Small</td>
<td>12 ha</td>
<td></td>
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<tr>
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<td><strong>Inter-Mountain Basins Mixed Salt Desert Scrub</strong></td>
<td>Matrix</td>
<td>705 ha</td>
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<td></td>
<td><strong>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</strong></td>
<td>Matrix</td>
<td>1,069 ha</td>
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<tr>
<td></td>
<td><strong>Inter-Mountain Basins Mat Saltbush Shrubland</strong></td>
<td>Large</td>
<td>132 ha</td>
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<tr>
<td></td>
<td><strong>Riparian</strong></td>
<td>Linear</td>
<td>68 ha</td>
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<tr>
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<td><strong>Inter-Mountain Basins Greasewood Flat</strong></td>
<td>Large</td>
<td>3 ha</td>
<td></td>
</tr>
<tr>
<td><strong>Mammals</strong></td>
<td><strong>Pygmy Rabbit</strong> (Brachylagus idahoensis)</td>
<td>G4</td>
<td>2 count</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Wyoming Pocket Gopher</strong> (Thomomys clusius)</td>
<td>G2</td>
<td>4 count</td>
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</tr>
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</table>

### 50 Lookout Mountain Foothill

- **Size (hectares):** 3,000
- **State(s):** Wyoming
- **Size (acres):** 7,413
- **% Public:** 8%
- **Section(s):** 1, 2, 3, 4, 5

<table>
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<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td><strong>Terr Ecosys</strong></td>
<td><strong>Rocky Mountain Aspen Forest and Woodland</strong></td>
<td>Small</td>
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<td><strong>Rocky Mountain Foothill Limber Pine-Juniper Woodland</strong></td>
<td>Large</td>
<td>1 ha</td>
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<td><strong>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</strong></td>
<td>Matrix</td>
<td>186 ha</td>
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<td><strong>Inter-Mountain Basins Montane Sagebrush Steppe</strong></td>
<td>Large</td>
<td>74 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</strong></td>
<td>Large</td>
<td>695 ha</td>
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<td><strong>Northwestern Great Plains Mixedgrass Prairie</strong></td>
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<td>1,650 ha</td>
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<td><strong>Western Great Plains Saline Depression Wetland</strong></td>
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<td></td>
<td><strong>Riparian</strong></td>
<td>Linear</td>
<td>8 ha</td>
<td></td>
</tr>
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<td><strong>Inter-Mountain Basins Greasewood Flat</strong></td>
<td>Large</td>
<td>129 ha</td>
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</tr>
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<td></td>
<td><strong>Western Great Plains Floodplain</strong></td>
<td>Linear</td>
<td>134 ha</td>
<td></td>
</tr>
<tr>
<td><strong>Mammals</strong></td>
<td><strong>Elk</strong> (Cervus canadensis)</td>
<td>G5</td>
<td>1,268 ha</td>
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<td><strong>Pronghorn</strong> (Antilocapra americana)</td>
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<td>1,533 ha</td>
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<tr>
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<td><strong>Swift Fox</strong> (Vulpes velox)</td>
<td>G3</td>
<td>3 count</td>
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<tr>
<td></td>
<td><strong>White tailed Prairie Dog</strong> (Cynomus leucurus)</td>
<td>G4</td>
<td>28 ha</td>
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</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.

Systematic Conservation Planning in the Wyoming Basins: Appendix H. Conservation Area Summaries Page |90
## Appendix H. Conservation Area Summaries

### 51 Bigelow Bench

<table>
<thead>
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<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
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<td>Inter-Mountain Basins Shale Badland</td>
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<tr>
<td>Mammals</td>
<td>Western Great Plains Floodplain</td>
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<td>11</td>
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### 52 Cooper Lake

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>39</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
<td>2</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
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<td>23</td>
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<tr>
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<td></td>
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<tr>
<td>Bird</td>
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<td>1 count</td>
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<td></td>
<td>Wyoming Ground Squirrel (Spermophilus elegans)</td>
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Section 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
## 53 Teton Reservoir

<table>
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<td>Inter-Mountain Basins Shale Badland</td>
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## 54 Yampa River - Lower

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<td></td>
<td>Rocky Mountain Ponderosa Pine Woodland and Savanna</td>
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<td>Southern Rocky Mountain Montane-Subalpine Grassland</td>
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<td>Northwestern Great Plains Mixedgrass Prairie</td>
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Appendix H. Conservation Area Summaries

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<td>Western Great Plains Open Freshwater Depression Wetland</td>
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<td>Riparian</td>
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<td>Inter-Mountain Basins Greasewood Flat</td>
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<td>8,810 ha</td>
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<td>Western Great Plains Floodplain</td>
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</table>

<table>
<thead>
<tr>
<th>Bird</th>
<th>Bald Eagle (Haliaeetus leucocephalus)</th>
<th>G5</th>
<th>48 count</th>
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<tbody>
<tr>
<td></td>
<td>Columbian Sharp-tailed Grouse (Tympanuchus phasianellus columbianus)</td>
<td>G4T3</td>
<td>18,431 ha</td>
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<tr>
<td></td>
<td>Ferruginous Hawk (Buteo regalis)</td>
<td>G4</td>
<td>181 count</td>
</tr>
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<td></td>
<td>Greater Sage Grouse (core areas) (Centrocercus urophasianus)</td>
<td>G4</td>
<td>503,764 ha</td>
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<tr>
<td></td>
<td>Mountain Plover (Charadrius montanus)</td>
<td>G3</td>
<td>1 count</td>
</tr>
</tbody>
</table>

| Mammals               | Black-footed Ferret (Mustela nigripes) | G1 | 20,933 ha |
|                       | Elk (Cervus canadensis) | G5 | 425,939 ha |
|                       | Mule Deer (Odocoileus hemionus) | G5 | 306,463 ha |
|                       | Pronghorn (Antilocapra americana) | G5 | 190,074 ha |
|                       | Pygmy Rabbit (Brachylagus idahoensis) | G4 | 3 count |
|                       | White tailed Prairie Dog (Cynomus leucurus) | G4 | 51,844 ha |
|                       | Wyoming Ground Squirrel (Spermophilus elegans) | G5 | 1 count |

| Plants                | Gibbens Beardtongue (Penstemon gibbensii) | G1G2 | 35 count |
|                       | Desert Glandular Phacelia (Phacelia glandulosa var. deserta) | G4T1T2 | 4 count |

---

### 55 Laramie Plains

<table>
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<tr>
<th>Size (hectares):</th>
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<th>Wyoming</th>
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<tbody>
<tr>
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<td>% Public:</td>
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<th>G-rank</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>2</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Ponderosa Pine Woodland and Savanna</td>
<td>Small</td>
<td>0</td>
<td>ha</td>
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<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>25</td>
<td>ha</td>
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<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
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<td>ha</td>
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<tr>
<td></td>
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<td>Small</td>
<td>1</td>
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<tr>
<td></td>
<td>Western Great Plains Saline Depression Wetland</td>
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<td>Riparian</td>
<td>Linear</td>
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<tr>
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<td>Inter-Mountain Basins Greasewood Flat</td>
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<td>81</td>
<td>ha</td>
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<tr>
<td></td>
<td>Western Great Plains Floodplain</td>
<td>Linear</td>
<td>20</td>
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</table>

<table>
<thead>
<tr>
<th>Bird</th>
<th>Bald Eagle (Haliaeetus leucocephalus)</th>
<th>G5</th>
<th>1 count</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Ferruginous Hawk (Buteo regalis)</td>
<td>G4</td>
<td>3 count</td>
</tr>
<tr>
<td></td>
<td>Greater Sage Grouse (core areas) (Centrocercus urophasianus)</td>
<td>G4</td>
<td>10,821 ha</td>
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<tr>
<td></td>
<td>Mountain Plover (Charadrius montanus)</td>
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<td>4 count</td>
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<tr>
<td></td>
<td>Pronghorn (Antilocapra americana)</td>
<td>G5</td>
<td>5,293 ha</td>
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<tr>
<td></td>
<td>Swift Fox (Vulpes velox)</td>
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<td>4 count</td>
</tr>
<tr>
<td></td>
<td>Wyoming Ground Squirrel (Spermophilus elegans)</td>
<td>G5</td>
<td>5 count</td>
</tr>
</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.

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### Appendix H. Conservation Area Summaries

#### 56 Red Wash Draw

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
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<td>Inter-Mountain Basins Shale Badland</td>
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#### 57 Pierce Reservoir

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<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
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#### 58 Hams Fork

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### Appendix H. Conservation Area Summaries

#### Terr Ecosys

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<th>Section(s):</th>
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<tr>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
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<td>3</td>
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<tr>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
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<td>4</td>
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<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
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<td></td>
<td>5</td>
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<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
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<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
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<td>Western Great Plains Floodplain</td>
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#### Bird

<table>
<thead>
<tr>
<th>Species</th>
<th>G-rank</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bald Eagle</td>
<td>G5</td>
<td>1</td>
</tr>
<tr>
<td>Ferruginous Hawk</td>
<td>G4</td>
<td>1</td>
</tr>
<tr>
<td>Greater Sage Grouse (core areas)</td>
<td>G4</td>
<td>1,564</td>
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#### Mammals

<table>
<thead>
<tr>
<th>Species</th>
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<th>Amount</th>
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<tbody>
<tr>
<td>Pronghorn</td>
<td>G5</td>
<td>14,941</td>
</tr>
<tr>
<td>Pygmy Rabbit</td>
<td>G4</td>
<td>7</td>
</tr>
<tr>
<td>White-tailed Prairie Dog</td>
<td>G4</td>
<td>155</td>
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</tbody>
</table>

#### Sample Conservation Area Summaries

**59 North Baxter Basin**

- **Size (hectares):** 11,000
- **Size (acres):** 27,182
- **State(s):** Wyoming
- **Section(s):** 32%

#### 60 Cannonball Joe Cut

- **Size (hectares):** 1,000
- **Size (acres):** 2,471
- **State(s):** Wyoming
- **Section(s):** 32%

---

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.

Systematic Conservation Planning in the Wyoming Basins: Appendix H. Conservation Area Summaries Page |95
## Appendix H. Conservation Area Summaries

| Terr Ecosys | Wyoming Basins Dwarf Sagebrush Shrubland and Steppe | Large | 95 ha
| Northwestern Great Plains Mixedgrass Prairie | Matrix | 782 ha
| Western Great Plains Saline Depression Wetland | Small | 12 ha
| Inter-Mountain Basins Greasewood Flat | Large | 1 ha
| Mammals | Wyoming Ground Squirrel (Spermophilus elegans) | G5 | 1 count

### 61 Sinclair

| Size (hectares): | 1,000 | State(s): | Wyoming |
| Size (acres): | 2,471 | % Public: | 15% |

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<th>3</th>
<th>4</th>
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<tbody>
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</tbody>
</table>

### 62 Opal

| Size (hectares): | 2,000 | State(s): | Wyoming |
| Size (acres): | 4,942 | % Public: | 35% |

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### Systematic Conservation Planning in the Wyoming Basins: Appendix H. Conservation Area Summaries

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Active and Stabilized Dune</td>
<td>Matrix</td>
<td>1</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>1</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large</td>
<td>1</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>488</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>234</td>
<td>ha</td>
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<td></td>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
<td>34</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Northwestern Great Plains Mixedgrass Prairie</td>
<td>Matrix</td>
<td>12</td>
<td>ha</td>
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<tr>
<td></td>
<td>Western Great Plains Saline Depression Wetland</td>
<td>Small</td>
<td>63</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Riparian</td>
<td>Linear</td>
<td>11</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
<td>30</td>
<td>ha</td>
</tr>
<tr>
<td>Mammals</td>
<td>Pronghorn (Antilocapra americana)</td>
<td>G5</td>
<td>692</td>
<td>ha</td>
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<tr>
<td></td>
<td>Wyoming Ground Squirrel (Spermophilus elegans)</td>
<td>G5</td>
<td>1</td>
<td>count</td>
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### Systematic Conservation Planning in the Wyoming Basins: Appendix H. Conservation Area Summaries

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Active and Stabilized Dune</td>
<td>Matrix</td>
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<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>16</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>44</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>344</td>
<td>ha</td>
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<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
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<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
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<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
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<td>5</td>
<td>ha</td>
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<td></td>
<td>Western Great Plains Saline Depression Wetland</td>
<td>Small</td>
<td>53</td>
<td>ha</td>
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<td></td>
<td>Riparian</td>
<td>Linear</td>
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<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
<td>44</td>
<td>ha</td>
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<tr>
<td></td>
<td>Western Great Plains Floodplain</td>
<td>Linear</td>
<td>1</td>
<td>ha</td>
</tr>
<tr>
<td>Bird</td>
<td>Mountain Plover (Charadrius montanus)</td>
<td>G3</td>
<td>1</td>
<td>count</td>
</tr>
<tr>
<td>Mammals</td>
<td>Idaho Pocket Gopher (Thomomys idahoensis)</td>
<td>G4</td>
<td>284</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Pronghorn (Antilocapra americana)</td>
<td>G5</td>
<td>517</td>
<td>ha</td>
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<tr>
<td></td>
<td>Pygmy Rabbit (Brachylagus idahoensis)</td>
<td>G4</td>
<td>1</td>
<td>count</td>
</tr>
<tr>
<td>Plants</td>
<td>Large-fruited Bladderpod (Lesquerella macrocarpa)</td>
<td>G2</td>
<td>8</td>
<td>count</td>
</tr>
</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
### Appendix H. Conservation Area Summaries

#### Plants

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Desert Glandular Phacelia (Phacelia glandulosa var. deserta)</td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>G4T1T2</td>
<td>2 count</td>
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#### 63 Sand Hills

<table>
<thead>
<tr>
<th>Size (hectares):</th>
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<th>State(s):</th>
<th>Wyoming</th>
<th>Section(s):</th>
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<tbody>
<tr>
<td>Size (acres):</td>
<td>7,413</td>
<td>% Public:</td>
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</table>

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>1</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Ponderosa Pine Woodland and Savanna</td>
<td>Small</td>
<td>1</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>21</td>
<td>ha</td>
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<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>2,238</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Mat Saltbrush Shrubland</td>
<td>Large</td>
<td>2</td>
<td>ha</td>
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<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td>446</td>
<td>ha</td>
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<td></td>
<td>Northwestern Great Plains Mixedgrass Prairie</td>
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<tr>
<td></td>
<td>Western Great Plains Open Freshwater Depression Wetland</td>
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<td>11</td>
<td>ha</td>
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<tr>
<td></td>
<td>Western Great Plains Saline Depression Wetland</td>
<td>Small</td>
<td>8</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Riparian</td>
<td>Linear</td>
<td>13</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
<td>207</td>
<td>ha</td>
</tr>
<tr>
<td>Bird</td>
<td>Ferruginous Hawk (Buteo regalis)</td>
<td>G4</td>
<td>1 count</td>
<td></td>
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<tr>
<td></td>
<td>Greater Sage Grouse (core areas) (Centrocercus urophasianus)</td>
<td>G4</td>
<td>3,000 ha</td>
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<tr>
<td>Mammals</td>
<td>Wyoming Ground Squirrel (Spermophilus elegans)</td>
<td>G5</td>
<td>3 count</td>
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#### 64 Rich Spring

<table>
<thead>
<tr>
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<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>0</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>1</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large</td>
<td>0</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>982</td>
<td>ha</td>
</tr>
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<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td>14</td>
<td>ha</td>
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<tr>
<td></td>
<td>Northwestern Great Plains Mixedgrass Prairie</td>
<td>Matrix</td>
<td>0</td>
<td>ha</td>
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<tr>
<td></td>
<td>Riparian</td>
<td>Linear</td>
<td>1</td>
<td>ha</td>
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<td>Mammals</td>
<td>Idaho Pocket Gopher (Thomomys idahoensis)</td>
<td>G4</td>
<td>998</td>
<td>ha</td>
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<td></td>
<td>Mule Deer (Odocoileus hemionus)</td>
<td>G5</td>
<td>948</td>
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<td>Plants</td>
<td>Prostrate Bladderpod (Lesquerella prostrata)</td>
<td>G2G3</td>
<td>1</td>
<td>count</td>
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</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
### Appendix H. Conservation Area Summaries

#### 65 Long Canyon

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
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<td>Terr Ecosys</td>
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<td>Matrix</td>
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<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
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<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>856</td>
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<td></td>
<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
<td>Large</td>
<td>19</td>
<td>ha</td>
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<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
<td>11</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td>0</td>
<td>ha</td>
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<tr>
<td></td>
<td>Riparian</td>
<td>Linear</td>
<td>14</td>
<td>ha</td>
</tr>
<tr>
<td>Mammals</td>
<td>Mule Deer (Odocoileus hemionus)</td>
<td>G5</td>
<td>1,000</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Wyoming Ground Squirrel (Spermophilus elegans)</td>
<td>G5</td>
<td>1</td>
<td>count</td>
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</table>

#### 66 Twelvemile Gulch

<table>
<thead>
<tr>
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<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Active and Stabilized Dune</td>
<td>Matrix</td>
<td>1</td>
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<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>3</td>
<td>ha</td>
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<tr>
<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large</td>
<td>32</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>735</td>
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<td>Matrix</td>
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<td>ha</td>
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<td>8</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
<td>1</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
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<td>ha</td>
</tr>
<tr>
<td></td>
<td>Riparian</td>
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<td>426</td>
<td>ha</td>
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<td>Bird</td>
<td>Greater Sage Grouse (core areas) (Centrocercus urophasianus)</td>
<td>G4</td>
<td>9,000</td>
<td>ha</td>
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<tr>
<td>Mammals</td>
<td>Elk (Cervus canadensis)</td>
<td>G5</td>
<td>6,306</td>
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<td>Pronghorn (Antilocapra americana)</td>
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#### 67 Monte Cristo

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
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<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Active and Stabilized Dune</td>
<td>Matrix</td>
<td>2</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>149</td>
<td>ha</td>
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<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>30</td>
<td>ha</td>
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<tr>
<td></td>
<td>Rocky Mountain Aspen Forest and Woodland</td>
<td>Small</td>
<td>1,778</td>
<td>ha</td>
</tr>
</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
Appendix H. Conservation Area Summaries

<table>
<thead>
<tr>
<th>Terr Ecosys</th>
<th>Linear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rocky Mountain Bigtooth Maple Ravine Woodland</td>
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</tr>
<tr>
<td>Inter-Mountain Basins Curl-leaf Mountain Mahogany Woodland and Shrubland</td>
<td>369</td>
</tr>
<tr>
<td>Northern Rocky Mountain Dry-Mesic Montane Mixed Conifer Forest</td>
<td>230</td>
</tr>
<tr>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>2,495</td>
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<tr>
<td>Rocky Mountain Lodgepole Pine Forest</td>
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<td>Rocky Mountain Subalpine Dry-Mesic Spruce-Firt Forest and Woodland</td>
<td>172</td>
</tr>
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<tr>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
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</tr>
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<td>36</td>
</tr>
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<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>2,150</td>
</tr>
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<td>Rocky Mountain Lower Montane-Foothill Shrubland</td>
<td>34</td>
</tr>
<tr>
<td>Southern Rocky Mountain Montane-Subalpine Grassland</td>
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</tr>
<tr>
<td>Northwestern Great Plains Mixedgrass Prairie</td>
<td>62</td>
</tr>
<tr>
<td>Rocky Mountain Alpine-Montane Wet Meadow</td>
<td>7</td>
</tr>
<tr>
<td>Western Great Plains Saline Depression Wetland</td>
<td>114</td>
</tr>
<tr>
<td>Riparian</td>
<td></td>
</tr>
<tr>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>2,272</td>
</tr>
<tr>
<td>Bird Ferruginous Hawk (Buteo regalis)</td>
<td>G4</td>
</tr>
<tr>
<td>Mammals Elk (Cervus canadensis)</td>
<td>G5</td>
</tr>
<tr>
<td>Idaho Pocket Gopher (Thomomys idahoensis)</td>
<td>G4</td>
</tr>
<tr>
<td>Mule Deer (Odocoileus hemionus)</td>
<td>G5</td>
</tr>
<tr>
<td>Pronghorn (Antilocapra americana)</td>
<td>G5</td>
</tr>
<tr>
<td>Pygmy Rabbit (Brachylagus idahoensis)</td>
<td>G4</td>
</tr>
<tr>
<td>Plants Entire-leaved Peppergrass (Lepidium integrifolium var. integrifolium)</td>
<td>G2G3T2</td>
</tr>
<tr>
<td>Prostrate Bladderpod (Lesquereria prostrata)</td>
<td>G2G3</td>
</tr>
</tbody>
</table>

68 West Bluegrass Creek

| Size (hectares): | 2,000 |
| Size (acres):    | 4,942 |
| State(s): Wyoming|       |
| % Public:        | 45%   |

<table>
<thead>
<tr>
<th>Section(s): 1 2 3 4 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>- x - - -</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>1,332</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td>101</td>
<td>ha</td>
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<tr>
<td></td>
<td>Northwestern Great Plains Mixedgrass Prairie</td>
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<td>17</td>
<td>ha</td>
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<td></td>
<td>Riparian</td>
<td>Linear</td>
<td>0</td>
<td>ha</td>
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<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
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<td>ha</td>
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<td>Bird</td>
<td>Greater Sage Grouse (core areas) (Centrocercus urophasianus)</td>
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<td>ha</td>
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<tr>
<td>Plants</td>
<td>Laramie False Sagebrush (Sphaeromeria simplex)</td>
<td>G2</td>
<td>8</td>
<td>count</td>
</tr>
</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.

## Appendix H. Conservation Area Summaries

### 69 North Fork Alkali Creek

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Active and Stabilized Dune</td>
<td>Matrix</td>
<td>6</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>7</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>299 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
<td>Large</td>
<td>100%</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
<td>100%</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td>537 ha</td>
<td></td>
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<tr>
<td></td>
<td>Northwestern Great Plains Mixedgrass Prairie</td>
<td>Matrix</td>
<td>100%</td>
<td>ha</td>
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<tr>
<td>Mammals</td>
<td>Idaho Pocket Gopher (Thomomys idahomensis)</td>
<td>G4</td>
<td>998 ha</td>
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<tr>
<td></td>
<td>White tailed Prairie Dog (Cynomus leucurus)</td>
<td>G4</td>
<td>28 ha</td>
<td></td>
</tr>
<tr>
<td>Plants</td>
<td>Tufted Twinpod (Physaria condensata)</td>
<td>G2</td>
<td>4 count</td>
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### 70 Wheatland Reservoir

<table>
<thead>
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<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
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<tbody>
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<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Active and Stabilized Dune</td>
<td>Matrix</td>
<td>6</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>100%</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>100%</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
<td>Large</td>
<td>100%</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
<td>100%</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td>100%</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Northwestern Great Plains Mixedgrass Prairie</td>
<td>Matrix</td>
<td>100%</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Open Freshwater Depression Wetland</td>
<td>Small</td>
<td>100%</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Saline Depression Wetland</td>
<td>Small</td>
<td>100%</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Riparian</td>
<td>Linear</td>
<td>100%</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Linear</td>
<td>100%</td>
<td>ha</td>
</tr>
<tr>
<td>Bird</td>
<td>Bald Eagle (Haliaeetus leucocephalus)</td>
<td>G5</td>
<td>10</td>
<td>count</td>
</tr>
<tr>
<td></td>
<td>Ferruginous Hawk (Buteo regalis)</td>
<td>G4</td>
<td>10</td>
<td>count</td>
</tr>
<tr>
<td></td>
<td>Greater Sage Grouse (core areas) (Centrocercus urophasianus)</td>
<td>G4</td>
<td>10</td>
<td>count</td>
</tr>
<tr>
<td></td>
<td>Mountain Plover (Charadrius montanus)</td>
<td>G3</td>
<td>10</td>
<td>count</td>
</tr>
<tr>
<td>Mammals</td>
<td>Swift Fox (Vulpes velox)</td>
<td>G3</td>
<td>10</td>
<td>count</td>
</tr>
<tr>
<td></td>
<td>White tailed Prairie Dog (Cynomus leucurus)</td>
<td>G4</td>
<td>10</td>
<td>count</td>
</tr>
<tr>
<td></td>
<td>Wyoming Ground Squirrel (Spermophilus elegans)</td>
<td>G5</td>
<td>10</td>
<td>count</td>
</tr>
</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
Appendix H. Conservation Area Summaries

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**71 Antelope Hills Dunes**

Size (hectares): 1,000

State(s): Wyoming

% Public: 93%

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
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<tr>
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<td></td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>32</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>1</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>6</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>146</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
<td>4</td>
<td>ha</td>
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<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td>6</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Interdunal Swale Wetland</td>
<td>Small</td>
<td>23</td>
<td>ha</td>
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<tr>
<td></td>
<td>Rocky Mountain Alpine-Montane Wet Meadow</td>
<td>Small</td>
<td>26</td>
<td>ha</td>
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<tr>
<td></td>
<td>Western Great Plains Saline Depression Wetland</td>
<td>Small</td>
<td>2</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Riparian</td>
<td>Linear</td>
<td>7</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
<td>3</td>
<td>ha</td>
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**Mammals**

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Elk (Cervus canadensis)</td>
<td>G5</td>
<td>483 ha</td>
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<tr>
<td></td>
<td>Mule Deer (Odocoileus hemionus)</td>
<td>G5</td>
<td>195 ha</td>
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</table>

**Plants**

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Dune Wildrye (Elymus simplex var. luxurians)</td>
<td>G4T1</td>
<td>2 count</td>
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**72 Box Canyon**

Size (hectares): 15,000

State(s): Wyoming

% Public: 41%

<table>
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<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Active and Stabilized Dune</td>
<td>Matrix</td>
<td>4</td>
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</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>0</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper woodland</td>
<td>Large</td>
<td>78</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Ponderosa Pine Woodland and Savanna</td>
<td>Small</td>
<td>19</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>1</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>5,483</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
<td>33</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
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<td>3,604</td>
<td>ha</td>
</tr>
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<td>Northwestern Great Plains Mixedgrass Prairie</td>
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<td>2,702</td>
<td>ha</td>
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<td>5</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Riparian</td>
<td>Linear</td>
<td>38</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
<td>416</td>
<td>ha</td>
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<tr>
<td></td>
<td>Western Great Plains Floodplain</td>
<td>Linear</td>
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**Bird**

<table>
<thead>
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<th>Target Name</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ferruginous Hawk (Buteo regalis)</td>
<td>G4</td>
<td>2 count</td>
</tr>
<tr>
<td></td>
<td>Greater Sage Grouse (core areas) (Centrocercus urophasianus)</td>
<td>G4</td>
<td>7,616 ha</td>
</tr>
<tr>
<td></td>
<td>Mountain Plover (Charadrius montanus)</td>
<td>G3</td>
<td>2 count</td>
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</table>

**Mammals**

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Swift Fox (Vulpes velox)</td>
<td>G3</td>
<td>1 count</td>
</tr>
</tbody>
</table>

**Plants**

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Laramie False Sagebrush (Sphaeromeria simplex)</td>
<td>G2</td>
<td>95 count</td>
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</tbody>
</table>

---

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.

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Appendix H. Conservation Area Summaries

### 73 Chain Lakes Flat

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
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<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Active and Stabilized Dune</td>
<td>Matrix</td>
<td>G4</td>
<td>1,098 ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td></td>
<td>14 ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td></td>
<td>12 ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large</td>
<td></td>
<td>1 ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
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<td>12,815 ha</td>
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<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
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<td>18,926 ha</td>
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<tr>
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<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
<td></td>
<td>1,920 ha</td>
</tr>
<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td></td>
<td>1 ha</td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Open Freshwater Depression Wetland</td>
<td>Small</td>
<td></td>
<td>0 ha</td>
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<td>Western Great Plains Saline Depression Wetland</td>
<td>Small</td>
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<td>1,636 ha</td>
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<tr>
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<td>Riparian</td>
<td>Linear</td>
<td></td>
<td>328 ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
<td></td>
<td>2,153 ha</td>
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</tbody>
</table>

#### Bird

- Ferruginous Hawk (Buteo regalis) G4 13 count
- Greater Sage Grouse (Centrocercus urophasianus) G4 18,581 ha
- Mountain Plover (Charadrius montanus) G3 6 count

#### Mammals

- Pygmy Rabbit (Brachylagus idahoensis) G4 1 count
- Swift Fox (Vulpes velox) G3 1 count

#### Plants

- Mesic Milkvetch (Astragalus diversifolius var diversifolius) G2 18 count

### 74 Upper Bear River

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
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<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Active and Stabilized Dune</td>
<td>Matrix</td>
<td>90</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td></td>
<td>1,976 ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td></td>
<td>308 ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Aspen Forest and Woodland</td>
<td>Small</td>
<td></td>
<td>7,705 ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Bigtooth Maple Ravine Woodland</td>
<td>Linear</td>
<td></td>
<td>33 ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Curl-leaf Mountain Mahogany Woodland and Shrubland</td>
<td>Linear</td>
<td></td>
<td>487 ha</td>
</tr>
<tr>
<td></td>
<td>Northern Rocky Mountain Dry-Mesic Montane Mixed Conifer Forest</td>
<td>Small</td>
<td></td>
<td>86 ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large</td>
<td></td>
<td>9,695 ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Lodgepole Pine Forest</td>
<td>Small</td>
<td></td>
<td>135 ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Subalpine Dry-Mesic Spruce-Firt Forest and Woodland</td>
<td>Small</td>
<td></td>
<td>54 ha</td>
</tr>
<tr>
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<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td></td>
<td>1,828 ha</td>
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<tr>
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<td>Matrix</td>
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<td>132,607 ha</td>
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<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
<td>Large</td>
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<td>47,117 ha</td>
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<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
<td></td>
<td>3,112 ha</td>
</tr>
<tr>
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<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td></td>
<td>30,595 ha</td>
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</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
**Appendix H. Conservation Area Summaries**

<table>
<thead>
<tr>
<th>Terr Ecosys</th>
<th></th>
<th></th>
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<tbody>
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<tr>
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<td>Small</td>
<td>14</td>
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</tr>
<tr>
<td>Southern Rocky Mountain Montane-Subalpine Grassland</td>
<td>Small</td>
<td>25</td>
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<tr>
<td>Northwestern Great Plains Mixedgrass Prairie</td>
<td>Matrix</td>
<td>568</td>
<td>ha</td>
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</tr>
<tr>
<td>North American Arid West Emergent Marsh</td>
<td>Small</td>
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<td>Rocky Mountain Alpine-Montane Wet Meadow</td>
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<td>77</td>
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<td>410</td>
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<tr>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Linear</td>
<td>532</td>
<td>ha</td>
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<tr>
<td>Western Great Plains Floodplain</td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**Amphibian**
- Northern Leopard Frog (*Rana pipiens*)
- G5, 13 count

**Bird**
- Bald Eagle (*Haliaeetus leucocephalus*)
- G5, 73 count
- Ferruginous Hawk (*Buteo regalis*)
- G4, 6 count
- Greater Sage Grouse (core areas) (*Centrocercus urophasianus*)
- G4, 151,899 ha

**Mammals**
- Elk (*Cervus canadensis*)
- G5, 57,211 ha
- Idaho Pocket Gopher (*Thomomys idahoensis*)
- G4, 255,275 ha
- Mule Deer (*Odocoileus hemionus*)
- G5, 102,151 ha
- Pronghorn (*Antilocapra americana*)
- G5, 33,743 ha
- Pygmy Rabbit (*Brachylagus idahoensis*)
- G4, 201 count
- White tailed Prairie Dog (*Cynomus leucurus*)
- G4, 163 ha
- Wyoming Ground Squirrel (*Spermophilus elegans*)
- G5, 1 count

**Plants**
- Winwards Goldenweed (*Ericameria discoidea var. winwardii*)
- GNRT1, 3 count
- Entire-leaved Peppergrass (*Lepidium integrifolium var. integrifolium*)
- G2G3T2, 38 count
- Prostrate Bladderpod (*Lesquerella prostrata*)
- G2G3, 36 count
- Beaver Rim Phlox (*Phlox pungens*)
- G2, 9 count
- Tufted Twinpod (*Physaria condensata*)
- G2, 45 count
- Dorns Twinpod (*Physaria dornii*)
- G1, 102 count

---

| Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.  
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### Appendix H. Conservation Area Summaries

#### 76 North Laramie River

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Rocky Mountain Ponderosa Pine Woodland and Savanna</td>
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<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
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<td>ha</td>
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<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
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<td>295</td>
<td>ha</td>
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<tr>
<td></td>
<td>Rocky Mountain Lower Montane-Foothill Shrubland</td>
<td>Small</td>
<td>2</td>
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<tr>
<td></td>
<td>Northwestern Great Plains Mixedgrass Prairie</td>
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<td>Riparian</td>
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<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
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<td>12</td>
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<td>5</td>
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<tr>
<td>Bird</td>
<td>Greater Sage Grouse (core areas) (Centrocercus urophasianus)</td>
<td>G4</td>
<td>373</td>
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<td>Plants</td>
<td>Laramie False Sagebrush (Sphaeromeria simplex)</td>
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#### 77 Fontelle Reservoir

<table>
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<td>Matrix</td>
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<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>69</td>
<td>ha</td>
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<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>116</td>
<td>ha</td>
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<tr>
<td></td>
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<td>240</td>
<td>ha</td>
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<tr>
<td></td>
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<td>Matrix</td>
<td>289</td>
<td>ha</td>
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<td>ha</td>
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<td>Western Great Plains Open Freshwater Depression Wetland</td>
<td>Small</td>
<td>0</td>
<td>ha</td>
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<tr>
<td></td>
<td>Western Great Plains Saline Depression Wetland</td>
<td>Small</td>
<td>5</td>
<td>ha</td>
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<tr>
<td></td>
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<td>Linear</td>
<td>32</td>
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<td>22</td>
<td>ha</td>
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<tr>
<td>Mammals</td>
<td>Mule Deer (Odocoileus hemionus)</td>
<td>G5</td>
<td>110</td>
<td>ha</td>
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<td>Plants</td>
<td>Beaver Rim Phlox (Phlox pungens)</td>
<td>G2</td>
<td>3</td>
<td>count</td>
</tr>
</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
Appendix H. Conservation Area Summaries

### 78 Bradley Peak

**Size (hectares):** 1,000  
**State(s):** Wyoming  
**Size (acres):** 2,471  
**% Public:** 52%

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<th>G-rank</th>
<th>Amount</th>
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<td>Terr Ecosys</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>2 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Aspen Forest and Woodland</td>
<td>Small</td>
<td>11 ha</td>
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<tr>
<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large</td>
<td>420 ha</td>
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</tr>
<tr>
<td></td>
<td>Rocky Mountain Lodgepole Pine Forest</td>
<td>Small</td>
<td>27 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>330 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
<td>Large</td>
<td>43 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
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<td>52 ha</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Saline Depression Wetland</td>
<td>Small</td>
<td>1 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Riparian</td>
<td>Linear</td>
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<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
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<tr>
<td>Plants</td>
<td>Blowout Pentemon (Penstemon haydenii)</td>
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### 79 Anderson Canyon

**Size (hectares):** 2,000  
**State(s):** Wyoming  
**Size (acres):** 4,942  
**% Public:** 100%

<table>
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<th>Amount</th>
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</thead>
<tbody>
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<td>Terr Ecosys</td>
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<td>Matrix</td>
<td>0 ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
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<td>173 ha</td>
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<td>8 ha</td>
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<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
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<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
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<tr>
<td></td>
<td>Riparian</td>
<td>Linear</td>
<td>43 ha</td>
<td></td>
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<tr>
<td>Mammals</td>
<td>Pygmy Rabbit (Brachylagus idahoensis)</td>
<td>G4</td>
<td>2 count</td>
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<tr>
<td>Plants</td>
<td>Beaver Rim Phlox (Phlox pungens)</td>
<td>G2</td>
<td>9 count</td>
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</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
### Appendix H. Conservation Area Summaries

#### Great Divide Basin

<table>
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<tr>
<th>Tax Group</th>
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<th>G-rank</th>
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<td>1 ha</td>
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<tr>
<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large</td>
<td>3</td>
<td>3 ha</td>
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<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
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<td>26,519 ha</td>
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<tr>
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<td>4</td>
<td>4 ha</td>
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<td>G4</td>
<td>6,215 ha</td>
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<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
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<td>G4</td>
<td>4 ha</td>
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<td>Western Great Plains Open Freshwater Depression Wetland</td>
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<td>1</td>
<td>0 ha</td>
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<tr>
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<td>Western Great Plains Saline Depression Wetland</td>
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<td>154 ha</td>
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<tr>
<td>Bird</td>
<td>Ferruginous Hawk (Buteo regalis)</td>
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<td>G4</td>
<td>743 ha</td>
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<tr>
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<td>Greater Sage Grouse (core areas) (Centrocercus urophasianus)</td>
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<td>G4</td>
<td>743 ha</td>
</tr>
<tr>
<td></td>
<td>Mountain Plover (Charadrius montanus)</td>
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<td>G3</td>
<td>79 count</td>
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<tr>
<td>Mammals</td>
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<td>45 count</td>
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<tr>
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<td>White tailed Prairie Dog (Cynomus leucurus)</td>
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<td>454 ha</td>
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<tr>
<td>Plants</td>
<td>Mesic Milkvetch (Astragalus diversifolius var diversifolius)</td>
<td>G2G3</td>
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#### Stratton Rim

<table>
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<th>Target Name</th>
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<th>G-rank</th>
<th>Amount</th>
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<tbody>
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<td>1 ha</td>
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<tr>
<td></td>
<td>Rocky Mountain Aspen Forest and Woodland</td>
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<td>1</td>
<td>0 ha</td>
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<tr>
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<td>Northern Rocky Mountain Dry-Mesic Montane Mixed Conifer Forest</td>
<td>Small</td>
<td>1</td>
<td>1 ha</td>
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<tr>
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<td>Large</td>
<td>G4</td>
<td>96 ha</td>
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<td>Rocky Mountain Lodgepole Pine Forest</td>
<td>Small</td>
<td>G4</td>
<td>26 ha</td>
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<td>G4</td>
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<td>G4</td>
<td>253 ha</td>
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<td>G4</td>
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<td>Western Great Plains Saline Depression Wetland</td>
<td>Small</td>
<td>G4</td>
<td>1 ha</td>
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<td>Inter-Mountain Basins Greasewood Flat</td>
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<td>G4</td>
<td>5 ha</td>
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<tr>
<td>Plants</td>
<td>Devils Gate Twinpod (Physaria eburniflora)</td>
<td>G2G3</td>
<td>2 count</td>
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</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
### Appendix H. Conservation Area Summaries

**82  Bear Lake**

<table>
<thead>
<tr>
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<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
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</tr>
<tr>
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<td>Inter-Mountain Basins Cliff and Canyon</td>
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<td>43</td>
<td>ha</td>
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<tr>
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<td>Inter-Mountain Basins Shale Badland</td>
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<td>85</td>
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<td>Rocky Mountain Aspen Forest and Woodland</td>
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<td>4</td>
<td>ha</td>
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<td>Inter-Mountain Basins Curl-leaf Mountain Mahogany Woodland and Shrubland</td>
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<td>87</td>
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<td>ha</td>
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<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
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<td>5,349</td>
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<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
<td>Large</td>
<td>325</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Mat Saltbusht Shrubland</td>
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<td>11</td>
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<tr>
<td></td>
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<td>212</td>
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<tr>
<td></td>
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<td></td>
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<tr>
<td>Amphibian</td>
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<td>Bird</td>
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<td></td>
<td>Pygmy Rabbit (Brachylagus idahoensis)</td>
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**83  Shirley Basin**

<table>
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<th>G-rank</th>
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<tr>
<td>Riparian</td>
<td></td>
<td>Linear</td>
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<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
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<tr>
<td>Plants</td>
<td>Laramie False Sagebrush (Sphaeromeria simplex)</td>
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**84  Buckhorn Draw**

<table>
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<tbody>
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<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
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<tr>
<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large</td>
<td>0</td>
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</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
### Appendix H. Conservation Area Summaries

<table>
<thead>
<tr>
<th>Terr Ecosys</th>
<th>Description</th>
<th>Matrix/Large/Linear</th>
<th>Size (ha)</th>
<th>Section(s):</th>
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<tbody>
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<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
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<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Linear 2</td>
<td>2</td>
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<tr>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large 2</td>
<td>2</td>
<td>2</td>
<td>Wyoming</td>
<td></td>
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<tr>
<td>Riparian</td>
<td>Linear 56</td>
<td>56</td>
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<td>Inter-Mountain Basins Greasewood Flat</td>
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<td>Western Great Plains Floodplain</td>
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<td>Bird</td>
<td>Greater Sage Grouse (core areas) (Centrocercus urophasianus)</td>
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<td>827</td>
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<td>Plants</td>
<td>Beaver Rim Phlox (Phlox pungens)</td>
<td>G2 13</td>
<td>13</td>
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#### 85 Sheep Mountain

- **Size (ha):** 1,000
- **State(s):** Wyoming
- **Size (acres):** 2,471
- **% Public:** 78%
- **Section(s):** 1, 2, 3, 4, 5

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<th>G-rank</th>
<th>Amount</th>
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<td>22</td>
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<td></td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>11</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>19</td>
<td>ha</td>
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<td></td>
<td>Rocky Mountain Aspen Forest and Woodland</td>
<td>Small</td>
<td>2</td>
<td>ha</td>
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<tr>
<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
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<td>55</td>
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<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
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<td>445</td>
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<tr>
<td></td>
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<tr>
<td></td>
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<td>Northwestern Great Plains Mixedgrass Prairie</td>
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<td>Western Great Plains Saline Depression Wetland</td>
<td>Small</td>
<td>0</td>
<td>ha</td>
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<tr>
<td></td>
<td>Riparian</td>
<td>Linear</td>
<td>16</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
<td>2</td>
<td>ha</td>
</tr>
<tr>
<td>Plants</td>
<td>Devils Gate Twinpod (Physaria eburniflora)</td>
<td>G2G3</td>
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<td>count</td>
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</table>

#### 86 Wildcat Canyon

- **Size (ha):** 1,000
- **State(s):** Wyoming
- **Size (acres):** 2,471
- **% Public:** 100%
- **Section(s):** 1, 2, 3, 4, 5

<table>
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<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
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<td>2</td>
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</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>89</td>
<td>ha</td>
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<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>37</td>
<td>ha</td>
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<tr>
<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large</td>
<td>8</td>
<td>ha</td>
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<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>170</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
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<td>612</td>
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<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
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<td></td>
<td>Riparian</td>
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Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
### Terr Ecosys

<table>
<thead>
<tr>
<th>Mammals</th>
<th>Plants</th>
<th>Large</th>
<th>G5</th>
<th>1,000</th>
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<th>223</th>
<th>G5T2</th>
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<tbody>
<tr>
<td>Mule Deer (Odocoileus hemionus)</td>
<td>Treleases Racemose Milkvetch (Astragalus racemosus var. treleasei)</td>
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### Tax Group Target Name

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<tbody>
<tr>
<td>Mammals</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Elk (Cervus canadensis)</td>
<td></td>
<td>G5</td>
<td>982 ha</td>
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<tr>
<td>Mule Deer (Odocoileus hemionus)</td>
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<td>728 ha</td>
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<td>Pygmy Rabbit (Brachylagus idahoensis)</td>
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<td>8 count</td>
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<tr>
<td>Plants</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Big Piney Milkvetch (Astragalus drabelliformis)</td>
<td>G2G3</td>
<td>2 count</td>
<td></td>
</tr>
</tbody>
</table>

### Sections:

1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
## Appendix H. Conservation Area Summaries

**Terr Ecosys**
- North American Arid West Emergent Marsh: Small (0 ha)
- Rocky Mountain Alpine-Montane Wet Meadow: Small (177 ha)
- Riparian: Linear (607 ha)

**Mammals**
- Idaho Pocket Gopher (Thomomys idahoensis): G4 (120 ha)

### 89 Piney Creek

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
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<tbody>
<tr>
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<td>Inter-Mountain Basins Cliff and Canyon</td>
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<td>6</td>
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<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>0</td>
<td>ha</td>
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<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
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<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
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<td></td>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
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<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
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<tr>
<td></td>
<td>Western Great Plains Open Freshwater Depression Wetland</td>
<td>Small</td>
<td>1</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Saline Depression Wetland</td>
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<td>18</td>
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<td></td>
<td>Riparian</td>
<td>Linear</td>
<td>3</td>
<td>ha</td>
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<tr>
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<td>Inter-Mountain Basins Greasewood Flat</td>
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<td>ha</td>
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<tr>
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<td>Mule Deer (Odocoileus hemionus)</td>
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<td>Wyoming Ground Squirrel (Spermophilus elegans)</td>
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<td>count</td>
</tr>
<tr>
<td>Plants</td>
<td>Big Piney Milkvetch (Astragalus drabelliformis)</td>
<td>G2G3</td>
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</table>

### 90 Alkali Creek

<table>
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<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
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<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
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<td>ha</td>
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<td>Western Great Plains Saline Depression Wetland</td>
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<td>ha</td>
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<tr>
<td></td>
<td>Riparian</td>
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</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
### Appendix H. Conservation Area Summaries

#### 91 Dry Sandy Creek

<table>
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<th>G-rank</th>
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<tr>
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<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
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<td>ha</td>
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<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
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<td>ha</td>
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<td>ha</td>
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<tr>
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<td>Linear</td>
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<td>Inter-Mountain Basins Greasewood Flat</td>
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</tr>
<tr>
<td>Mammals</td>
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<td>5,532</td>
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#### 92 Cretaceous Mountain

<table>
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<th>G-rank</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>1</td>
<td>ha</td>
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<tr>
<td></td>
<td>Rocky Mountain Aspen Forest and Woodland</td>
<td>Small</td>
<td>17</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Curl-leaf Mountain Mahogany Woodland and Shrubland</td>
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<td></td>
<td>Northern Rocky Mountain Dry-Mesic Montane Mixed Conifer Forest</td>
<td>Small</td>
<td>2</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large</td>
<td>1</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Lodgepole Pine Forest</td>
<td>Small</td>
<td>8</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Subalpine Dry-Mesic Spruce-Firt Forest and Woodland</td>
<td>Small</td>
<td>18</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>19</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
<td>Large</td>
<td>312</td>
<td>ha</td>
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<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td>465</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Northern Rocky Mountain Lower Montane Foothill and Valley Grassland</td>
<td>Small</td>
<td>2</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Southern Rocky Mountain Montane-Subalpine Grassland</td>
<td>Small</td>
<td>2</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Northwestern Great Plains Mixedgrass Prairie</td>
<td>Matrix</td>
<td>0</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Saline Depression Wetland</td>
<td>Small</td>
<td>9</td>
<td>ha</td>
</tr>
<tr>
<td>Riparian</td>
<td></td>
<td>Linear</td>
<td>1</td>
<td>ha</td>
</tr>
<tr>
<td>Mammals</td>
<td>Mule Deer (Odocoileus hemionus)</td>
<td>G5</td>
<td>319</td>
<td>ha</td>
</tr>
<tr>
<td>Plants</td>
<td>Big Pinhey Milkvetch (Astragalus drabelliformis)</td>
<td>G2G3</td>
<td>2</td>
<td>count</td>
</tr>
<tr>
<td></td>
<td>Treleases Racemose Milkvetch (Astragalus racemosus var. treleasei)</td>
<td>G5T2</td>
<td>10</td>
<td>count</td>
</tr>
</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
### Appendix H. Conservation Area Summaries

#### 93 Dry Basin
![Map of Dry Basin]

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Rocky Mountain Aspen Forest and Woodland</td>
<td>Small</td>
<td>0</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>275</td>
<td>ha</td>
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<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td>638</td>
<td>ha</td>
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<tr>
<td></td>
<td>Northwestern Great Plains Mixedgrass Prairie</td>
<td>Matrix</td>
<td>42</td>
<td>ha</td>
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<td></td>
<td>Riparian</td>
<td>Linear</td>
<td>14</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
<td>36</td>
<td>ha</td>
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<tr>
<td>Mammals</td>
<td>Idaho Pocket Gopher (Thomomys idahoensis)</td>
<td>G4</td>
<td>382</td>
<td>ha</td>
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<tr>
<td></td>
<td>Mule Deer (Odocoileus hemionus)</td>
<td>G5</td>
<td>1,000</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Pygmy Rabbit (Brachylagus idahoensis)</td>
<td>G4</td>
<td>2</td>
<td>count</td>
</tr>
<tr>
<td>Plants</td>
<td>Big Piney Milkvetch (Astragalus drabelliformis)</td>
<td>G2G3</td>
<td>2</td>
<td>count</td>
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#### 94 Sand Draw
![Map of Sand Draw]

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Active and Stabilized Dune</td>
<td>Matrix</td>
<td>8</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>440</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>2,662</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
<td>685</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td>24</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Saline Depression Wetland</td>
<td>Small</td>
<td>1</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Riparian</td>
<td>Linear</td>
<td>110</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
<td>9</td>
<td>ha</td>
</tr>
<tr>
<td>Bird</td>
<td>Ferruginous Hawk (Buteo regalis)</td>
<td>G4</td>
<td>2</td>
<td>count</td>
</tr>
<tr>
<td></td>
<td>Mountain Plover (Charadrius montanus)</td>
<td>G3</td>
<td>1</td>
<td>count</td>
</tr>
<tr>
<td>Mammals</td>
<td>Pygmy Rabbit (Brachylagus idahoensis)</td>
<td>G4</td>
<td>334</td>
<td>count</td>
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<tr>
<td></td>
<td>White tailed Prairie Dog (Cynomus leucurus)</td>
<td>G4</td>
<td>319</td>
<td>ha</td>
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<tr>
<td>Plants</td>
<td>Cedar Rim Thistle (Cirsium pulcherrimum var. aridum)</td>
<td>G2Q</td>
<td>11</td>
<td>count</td>
</tr>
<tr>
<td></td>
<td>Beaver Rim Phlox (Phlox pungens)</td>
<td>G2</td>
<td>2</td>
<td>count</td>
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#### 95 Burnt Wagon Draw
![Map of Burnt Wagon Draw]

<table>
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<tr>
<th>Tax Group</th>
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<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>2</td>
<td>ha</td>
</tr>
</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.

Systematic Conservation Planning in the Wyoming Basins: Appendix H. Conservation Area Summaries Page 112
### Appendix H. Conservation Area Summaries

| Terr Ecosys | Inter-Mountain Basins Shale Badland | Small | 15 ha |  
| Rocky Mountain Foothill Limber Pine-Juniper Woodland | Large | 17 ha |  
| Rocky Mountain Ponderosa Pine Woodland and Savanna | Small | 722 ha |  
| Inter-Mountain Basins Mixed Salt Desert Scrub | Matrix | 0 ha |  
| Inter-Mountain Basins Big Sagebrush Steppe and Shrubland | Matrix | 1,863 ha |  
| Inter-Mountain Basins Montane Sagebrush Steppe | Large | 0 ha |  
| Inter-Mountain Basins Mat Saltbush Shrubland | Large | 3 ha |  
| Wyoming Basins Dwarf Sagebrush Shrubland and Steppe | Large | 315 ha |  
| Western Great Plains Open Freshwater Depression Wetland | Small | 2 ha |  
| Western Great Plains Saline Depression Wetland | Small | 2 ha |  
| Riparian | Linear | 18 ha |  
| Inter-Mountain Basins Greasewood Flat | Large | 43 ha |  

### Bird

| Greater Sage Grouse (core areas) | (Centrocercus urophasianus) | G4 | 3,000 ha |  

---

### 96 North Platte - Coal Creek

<table>
<thead>
<tr>
<th>Size (hectares):</th>
<th>2,000</th>
<th>State(s):</th>
<th>Wyoming</th>
<th>Section(s):</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size (acres):</td>
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<td>% Public:</td>
<td>22%</td>
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<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>18 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
<td>0 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Riparian</td>
<td>Linear</td>
<td>1 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
<td>4 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Floodplain</td>
<td>Linear</td>
<td>1 ha</td>
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</table>

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### 97 Red Butte

<table>
<thead>
<tr>
<th>Size (hectares):</th>
<th>5,000</th>
<th>State(s):</th>
<th>Wyoming</th>
<th>Section(s):</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size (acres):</td>
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<td>% Public:</td>
<td>28%</td>
<td></td>
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<td></td>
<td></td>
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<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>46 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>34 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Aspen Forest and Woodland</td>
<td>Small</td>
<td>18 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Curl-leaf Mountain Mahogany Woodland and Shrubland</td>
<td>Linear</td>
<td>181 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Northern Rocky Mountain Dry-Mesic Montane Mixed Conifer Forest</td>
<td>Small</td>
<td>67 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large</td>
<td>115 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Lodgepole Pine Forest</td>
<td>Small</td>
<td>7 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Subalpine Dry-Mesic Spruce-Firt Forest and Woodland</td>
<td>Small</td>
<td>0 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>2,840 ha</td>
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<tr>
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<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
<td>Large</td>
<td>184 ha</td>
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</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
<td>2 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td>109 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Northern Rocky Mountain Lower Montane Foothill and Valley Grassland</td>
<td>Small</td>
<td>77 ha</td>
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</tr>
<tr>
<td></td>
<td>Southern Rocky Mountain Montane-Subalpine Grassland</td>
<td>Small</td>
<td>1 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Open Freshwater Depression Wetland</td>
<td>Small</td>
<td>5 ha</td>
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</tr>
</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
Appendix H. Conservation Area Summaries

<table>
<thead>
<tr>
<th>Terr Ecosys</th>
<th>Western Great Plains Saline Depression Wetland</th>
<th>Small 5 ha</th>
</tr>
</thead>
<tbody>
<tr>
<td>Riparian</td>
<td>Linear 124 ha</td>
<td></td>
</tr>
<tr>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large 11 ha</td>
<td></td>
</tr>
<tr>
<td>Western Great Plains Floodplain</td>
<td>Linear 86 ha</td>
<td></td>
</tr>
<tr>
<td>Bird Greater Sage Grouse (core areas) (Centrocercus urophasianus)</td>
<td>G4 4,113 ha</td>
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</tr>
<tr>
<td>Mammals Elk (Cervus canadensis)</td>
<td>G5 737 ha</td>
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</tr>
<tr>
<td>Mule Deer (Odocoileus hemionus)</td>
<td>G5 3,420 ha</td>
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</tr>
<tr>
<td>Plants Beaver Rim Phlox (Phlox pungens)</td>
<td>G2 2 count</td>
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</tbody>
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98 Kirby Draw

Size (hectares): 1,000 State(s): Wyoming
Size (acres): 2,471 % Public: 0%

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>631 ha</td>
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</tr>
<tr>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
<td>140 ha</td>
<td></td>
<td></td>
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<tr>
<td>Western Great Plains Saline Depression Wetland</td>
<td>Small</td>
<td>17 ha</td>
<td></td>
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<tr>
<td>Riparian</td>
<td>Linear</td>
<td>1 ha</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
<td>210 ha</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mammals Pronghorn (Antilocapra americana)</td>
<td>G5</td>
<td>487 ha</td>
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<tr>
<td>Wyoming Ground Squirrel (Spermophilus elegans)</td>
<td>G5</td>
<td>1 count</td>
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</table>

99 Sweetwater River and Central Basins Megasite

Size (hectares): 2,227,000 State(s): Wyoming
Size (acres): 5,503,037 % Public: 72%

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
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<td>Matrix</td>
<td>45,962 ha</td>
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<tr>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>28,516 ha</td>
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<tr>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>12,671 ha</td>
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<tr>
<td>Rocky Mountain Aspen Forest and Woodland</td>
<td>Small</td>
<td>2,007 ha</td>
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<td></td>
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<tr>
<td>Inter-Mountain Basins Curl-Ledge Mountain Mahogany Woodland and Shrubland</td>
<td>Linear</td>
<td>950 ha</td>
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<tr>
<td>Northern Rocky Mountain Dry-Mesic Montane Mixed Conifer Forest</td>
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<td>2,267 ha</td>
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<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large</td>
<td>53,856 ha</td>
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<td>Rocky Mountain Lodgepole Pine Forest</td>
<td>Small</td>
<td>3,589 ha</td>
<td></td>
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<td>Rocky Mountain Ponderosa Pine Woodland and Savanna</td>
<td>Small</td>
<td>202 ha</td>
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<tr>
<td>Rocky Mountain Subalpine Dry-Mesic Spruce-Fir Forest and Woodland</td>
<td>Small</td>
<td>1,957 ha</td>
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<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
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<td>122,847 ha</td>
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<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>1,273,449 ha</td>
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<td>28,974 ha</td>
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<td>Large</td>
<td>113,317 ha</td>
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<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td>233,588 ha</td>
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<tr>
<td>Rocky Mountain Lower Montane-Foothill Shrubland</td>
<td>Small</td>
<td>791 ha</td>
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<td>Northern Rocky Mountain Lower Montane Foothill and Valley Grassland</td>
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<td>Southern Rocky Mountain Montane-Subalpine Grassland</td>
<td>Small</td>
<td>95 ha</td>
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### Appendix H. Conservation Area Summaries

<table>
<thead>
<tr>
<th>Terr Ecosys</th>
<th>Matrix</th>
<th>Small</th>
<th>Ha</th>
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<tbody>
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<td>Northwestern Great Plains Mixedgrass Prairie</td>
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<td>Inter-Mountain Basins Interdunal Swale Wetland</td>
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<td>Rocky Mountain Alpine-Montane Wet Meadow</td>
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<tr>
<td>Western Great Plains Open Freshwater Depression Wetland</td>
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<td>Columbia Plateau Vernal Pool</td>
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<td>32,404</td>
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<td>Riparian</td>
<td>33,394</td>
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<tr>
<td>Inter-Mountain Basins Greasewood Flat</td>
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<th>Amphibian</th>
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<th>Count</th>
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<table>
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<th>Bird</th>
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<td>Swift Fox (Vulpes velox)</td>
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<tr>
<td>White tailed Prairie Dog (Cynomus leucurus)</td>
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<td>Wyoming Ground Squirrel (Spermophilus elegans)</td>
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<table>
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<th>Plants</th>
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<td>Dune Wildrye (Elymus simplex var. luxurians)</td>
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<td>Wards Goldenweed (Oonopsis wardii)</td>
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<td>Blowout Pentemon (Penstemon haydenii)</td>
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<td>Laramie False Sagebrush (Sphaeromeria simplex)</td>
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<tr>
<td>Desert Yellowhead (Yermo xanthocephalus)</td>
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</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.

Systematic Conservation Planning in the Wyoming Basins: Appendix H. Conservation Area Summaries
## Appendix H. Conservation Area Summaries

### 100 Upper Green River

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Section(s)</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Active and Stabilized Dune</td>
<td>1</td>
<td>G5</td>
<td>1 count</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>2</td>
<td>G4</td>
<td>112 count</td>
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<td>Inter-Mountain Basins Shale Badland</td>
<td>3</td>
<td>G4</td>
<td>20 count</td>
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<td>Rocky Mountain Aspen Forest and Woodland</td>
<td>4</td>
<td>G5</td>
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<td></td>
<td>Inter-Mountain Basins Curl-leaf Mountain Mahogany Woodland and Shrubland</td>
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<td>G5</td>
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<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
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<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>5</td>
<td>G5</td>
<td>1 count</td>
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<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
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<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
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<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
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<td>Northern Rocky Mountain Lower Montane Foothill and Valley Grassland</td>
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<td></td>
<td>Southern Rocky Mountain Montane-Subalpine Grassland</td>
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<td></td>
<td>Northwestern Great Plains Mixedgrass Prairie</td>
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<td></td>
<td>North American Arid West Emergent Marsh</td>
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<td></td>
<td>Rocky Mountain Alpine-Montane Wet Meadow</td>
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<td>Western Great Plains Open Freshwater Depression Wetland</td>
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<td>Columbia Plateau Vernal Pool</td>
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<td></td>
<td>Western Great Plains Saline Depression Wetland</td>
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<tr>
<td></td>
<td>Riparian</td>
<td>-</td>
<td>-</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
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<tr>
<td></td>
<td>Western Great Plains Floodplain</td>
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<tr>
<td>Amphibian</td>
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<tr>
<td>Bird</td>
<td>Bald Eagle (Haliaeetus leucocephalus)</td>
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<td></td>
<td>Ferruginous Hawk (Buteo regalis)</td>
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<tr>
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<td>Greater Sage Grouse (Centrocercus urophasianus)</td>
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<td></td>
<td>Mountain Plover (Charadrius montanus)</td>
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<tr>
<td>Mammals</td>
<td>Elk (Cervus canadensis)</td>
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<td>Idaho Pocket Gopher (Thomomys idahoensis)</td>
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<td>Mule Deer (Odocoileus hemionus)</td>
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<td></td>
<td>Pronghorn (Antilocapra americana)</td>
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<td>-</td>
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<tr>
<td></td>
<td>Pygmy Rabbit (Brachylagus idahoensis)</td>
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<td>-</td>
</tr>
<tr>
<td>Plants</td>
<td>Meadow Pussytoes (Antennaria arctica)</td>
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<tr>
<td></td>
<td>Big Piney Milkvetch (Astragalus drabelliformis)</td>
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<td></td>
<td>Trelease Racemose Milkvetch (Astragalus racemosus var. treleasei)</td>
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<td>Cedar Rim Thistle (Cirsium pulcherrimum var. aridum)</td>
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<td>Large-fruited Bladderpod (Lesquerella macrocarpa)</td>
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<td>Desert Glandular Phacelia (Phacelia glandulosa var. deserta)</td>
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<td></td>
<td>Beaver Rim Phlox (Phlox pungens)</td>
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</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
## Appendix H. Conservation Area Summaries

### Plants

**Tufted Twinpod** *(Physaria condensata)*

**101 Moneta Hills**

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<th>2</th>
<th>3</th>
<th>4</th>
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<tr>
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**Tax Group** | **Target Name** | **Patch Type** | **G-rank** | **Amount** |
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<th></th>
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<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>69 ha</td>
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<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>118 ha</td>
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<tr>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>2,942 ha</td>
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<td></td>
</tr>
<tr>
<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
<td>Large</td>
<td>1 ha</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
<td>1,640 ha</td>
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<tr>
<td>Southern Rocky Mountain Montane-Subalpine Grassland</td>
<td>Small</td>
<td>1 ha</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Western Great Plains Saline Depression Wetland</td>
<td>Small</td>
<td>1 ha</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Riparian</td>
<td>Linear</td>
<td>26 ha</td>
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<tr>
<td>Inter-Mountain Basins Greasewood Flat</td>
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<tr>
<td>Bird</td>
<td>Mountain Plover <em>(Charadrius montanus)</em></td>
<td>G3</td>
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<td>Plants</td>
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### 102 Wind River - Martin Ponds

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**Tax Group** | **Target Name** | **Patch Type** | **G-rank** | **Amount** |
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<tbody>
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<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
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<tr>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
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<td></td>
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<tr>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large</td>
<td>60 ha</td>
<td></td>
<td></td>
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<tr>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>4 ha</td>
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<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>870 ha</td>
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<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
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<td></td>
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<td>Bald Eagle <em>(Haliaeetus leucocephalus)</em></td>
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<td>1 count</td>
<td></td>
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<tr>
<td>Greater Sage Grouse (core areas) <em>(Centrocercus urophasianus)</em></td>
<td>G4</td>
<td>990 ha</td>
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</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
Appendix H. Conservation Area Summaries

103 Ocean Lake - Missouri Valley

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<table>
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<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
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<tbody>
<tr>
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<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>1</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>45</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>26</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Large</td>
<td>7</td>
<td>ha</td>
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<tr>
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<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
<td>Large</td>
<td>1,142</td>
<td>ha</td>
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<td>Wyoming Great Plains Open Freshwater Depression Wetland</td>
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<td>1,293</td>
<td>ha</td>
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<tr>
<td>Bird</td>
<td>Bald Eagle (Haliaeetus leucocephalus)</td>
<td>G5</td>
<td>1</td>
<td>count</td>
</tr>
<tr>
<td></td>
<td>Mountain Plover (Charadrius montanus)</td>
<td>G3</td>
<td>2</td>
<td>count</td>
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104 Alkali Flats

<table>
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<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Active and Stabilized Dune</td>
<td>Matrix</td>
<td>0</td>
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</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>46</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>111</td>
<td>ha</td>
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<tr>
<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large</td>
<td>2</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>69</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
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<td></td>
<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
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<td></td>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
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<td>Southern Rocky Mountain Montane-Subalpine Grassland</td>
<td>Small</td>
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<td>Northwestern Great Plains Mixedgrass Prairie</td>
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<td>Bird</td>
<td>Bald Eagle (Haliaeetus leucocephalus)</td>
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<td>4</td>
<td>count</td>
</tr>
<tr>
<td></td>
<td>Ferruginous Hawk (Buteo regalis)</td>
<td>G4</td>
<td>6</td>
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</tr>
<tr>
<td></td>
<td>Mountain Plover (Charadrius montanus)</td>
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<td>54</td>
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</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
Appendix H. Conservation Area Summaries

### 105 Cedar Ridge

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
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<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Active and Stabilized Dune</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
</tr>
<tr>
<td></td>
<td>Northern Rocky Mountain Dry-Mesic Montane Mixed Conifer Forest</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mat Saltbrush Shrubland</td>
</tr>
<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Saline Depression Wetland</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
</tr>
<tr>
<td>Mammals</td>
<td>Mule Deer (Odocoileus hemionus)</td>
</tr>
<tr>
<td></td>
<td>Pronghorn (Antilocapra americana)</td>
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<tr>
<td>Plants</td>
<td>Devils Gate Twinpod (Physaria eburniflora)</td>
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</table>

<table>
<thead>
<tr>
<th>Type</th>
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<th>Amount</th>
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<tbody>
<tr>
<td>G5</td>
<td>938</td>
<td>ha</td>
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Size (hectares): 1,000
Size (acres): 2,471
% Public: 90%
Section(s): 1

### 106 Sand Mesa

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<td>Inter-Mountain Basins Cliff and Canyon</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mat Saltbrush Shrubland</td>
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<tr>
<td></td>
<td>Southern Rocky Mountain Montane-Subalpine Grassland</td>
</tr>
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<td></td>
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<tr>
<td></td>
<td>Western Great Plains Saline Depression Wetland</td>
</tr>
<tr>
<td></td>
<td>Riparian</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
</tr>
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<td>Western Great Plains Floodplain</td>
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<table>
<thead>
<tr>
<th>Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>G5</td>
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</table>

Size (hectares): 21,000
Size (acres): 51,892
% Public: 80%
Section(s): 1

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.

Systematic Conservation Planning in the Wyoming Basins: Appendix H. Conservation Area Summaries  Page | 119
### Appendix H. Conservation Area Summaries

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**107 Snyder Creek**

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
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<tbody>
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<td>Inter-Mountain Basins Shale Badland</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Curl-leaf Mountain Mahogany Woodland and Shrubland</td>
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<td>Riparian</td>
<td>Linear</td>
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<td>Inter-Mountain Basins Greasewood Flat</td>
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<td>43</td>
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<td>Bird</td>
<td>Ferruginous Hawk (Buteo regalis)</td>
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<td>1</td>
<td>count</td>
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<tr>
<td>Mammals</td>
<td>Mule Deer (Odocoileus hemionus)</td>
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<td>629</td>
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<tr>
<td>Plants</td>
<td>Porters Sagebrush (Artemisia porteri)</td>
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<td>count</td>
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</table>

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**108 Boysen**

<table>
<thead>
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<th>G-rank</th>
<th>Amount</th>
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</thead>
<tbody>
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<td>5</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Mat Saltbrush Shrubland</td>
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<td>737</td>
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<td>1</td>
<td>ha</td>
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<tr>
<td></td>
<td>Western Great Plains Saline Depression Wetland</td>
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<td></td>
<td>Riparian</td>
<td>Linear</td>
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<td>ha</td>
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<td></td>
<td>Western Great Plains Floodplain</td>
<td>Linear</td>
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<td>ha</td>
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Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.

Systematic Conservation Planning in the Wyoming Basins: Appendix H. Conservation Area Summaries Page |120
## Appendix H. Conservation Area Summaries

### Mammals

<table>
<thead>
<tr>
<th>Mammal</th>
<th>Tax Group</th>
<th>Target Name</th>
<th>Section(s)</th>
<th>G-rank</th>
<th>Amount</th>
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<td>(Cynomus leucurus)</td>
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<tr>
<td>Pronghorn</td>
<td></td>
<td>(Antilocapra americana)</td>
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<tr>
<td>Elk</td>
<td></td>
<td>(Cervus canadensis)</td>
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<td>G5</td>
<td>11,904</td>
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<tr>
<td>Mule Deer</td>
<td></td>
<td>(Odocoileus hemionus)</td>
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<td>G5</td>
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<td></td>
<td>G5</td>
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<tr>
<td>Mule Deer</td>
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<td></td>
<td></td>
<td>G5</td>
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### Plants

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<th>Section(s)</th>
<th>G-rank</th>
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<tbody>
<tr>
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<td>Dubois Milkvetch</td>
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<td>(Astragalus gilviflorus var. purpureus)</td>
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### 109 Upper Wind River

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<table>
<thead>
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<th>Amount</th>
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<td>Terr Ecosys</td>
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<td>Rocky Mountain Alpine Bedrock and Scree</td>
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<td>Rocky Mountain Aspen Forest and Woodland</td>
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<td>Terr Ecosys</td>
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<td>Linear</td>
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<td>ha</td>
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### Systematic Conservation Planning in the Wyoming Basins: Appendix H. Conservation Area Summaries

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.

---

Page | 121
### 110 Wind River Canyon/ Bighorn River

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### 111 Du Noir Creek

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Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
### 112 Putney Flat

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### Bird
- Bald Eagle (Haliaeetus leucocephalus) G5 1 count
- Ferruginous Hawk (Buteo regalis) G4 1 count
- Greater Sage Grouse (core areas) (Centrocercus urophasianus) G4 19,970 ha

### Mammals
- Elk (Cervus canadensis) G5 3,517 ha
- Mule Deer (Odocoileus hemionus) G5 17,517 ha
- Pronghorn (Antilocapra americana) G5 477 ha
- White tailed Prairie Dog (Cynomus leucurus) G4 296 ha

### Plants
- Rocky Mountain Twinpod (Physaria saximontana var. saximontana) G3T2 2 count
- Shoshonea (Shoshonea pulvinata) G2G3 1 count

---

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
### 113 Cottonwood Creek

<table>
<thead>
<tr>
<th>Tax Group</th>
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<th>G-rank</th>
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Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
Appendix H. Conservation Area Summaries

Plants  Everts Waferparsnip (Cymopterus evertii)  G2G3  8 count

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115 Bighorn River - Horse Gulch

Size (hectares): 2,000  Size (acres): 4,942  State: Wyoming  Section(s): 1 2 3 4 5

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116 Lysite Mountain

Size (hectares): 325,000  Size (acres): 803,092  State: Wyoming  Section(s): 1 2 3 4 5

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Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.

Systematic Conservation Planning in the Wyoming Basins: Appendix H. Conservation Area Summaries  Page |125
Appendix H. Conservation Area Summaries

<table>
<thead>
<tr>
<th>Terr Ecosys</th>
<th>Patch Type</th>
<th>Tax Group</th>
<th>Target Name</th>
<th>Amount</th>
<th>G-rank</th>
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<tr>
<td>Terr Ecosys</td>
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<td>Tax Group</td>
<td>Target Name</td>
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<td>Porters Sagebrush (Artemisia porteri)</td>
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<td>Dubois Milkvetch (Astragalus gilviflorus var. purpureus)</td>
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<td>Owl Creek Miners Candle (Cryptantha subcapitata)</td>
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117 Little Buffalo Basin

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<td>Inter-Mountain Basins Shale Badland</td>
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<td>Inter-Mountain Basins Curl-leaf Mountain Mahogany Woodland and Shrubland</td>
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<td>ha</td>
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<td>Northern Rocky Mountain Dry-Mesic Montane Mixed Conifer Forest</td>
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<td>ha</td>
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<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
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<td>Rocky Mountain Lodgepole Pine Forest</td>
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<td>Rocky Mountain Subalpine Dry-Mesic Spruce-Firt Forest and Woodland</td>
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<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
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<td>Southern Rocky Mountain Montane-Subalpine Grassland</td>
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<td>ha</td>
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<td>Riparian</td>
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<td>ha</td>
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<td>White tailed Prairie Dog (Cynomus leucurus)</td>
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118 Bighorn River - Tenmile/Sixmile Creeks

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<td>Tax Group</td>
<td>Target Name</td>
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<tr>
<td>Inter-Mountain Basins Shale Badland</td>
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<td>196</td>
<td>ha</td>
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Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
### Appendix H. Conservation Area Summaries

<table>
<thead>
<tr>
<th>Terr Ecosys</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
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<tr>
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<td>Small</td>
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<td>33 ha</td>
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<tr>
<td>Riparian</td>
<td>Linear</td>
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<td>28 ha</td>
</tr>
<tr>
<td>Inter-Mountain Basins Greasewood Flat</td>
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<td></td>
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<tr>
<td>Western Great Plains Floodplain</td>
<td>Linear</td>
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#### Bird
- Bald Eagle (Haliaeetus leucocephalus) G5 2 count
- Greater Sage Grouse (Centrocercus urophasianus) G4 4,000 ha
- Swift Fox (Vulpes velox) G3 1 count

#### Mammals
- Mule Deer (Odocoileus hemionus) G5 1,456 ha
- Pronghorn (Antilocapra americana) G5 3,728 ha
- White tailed Prairie Dog (Cynomus leucurus) G4 141 ha

### 119 Meeteetse Rim

<table>
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<th>Tax Group</th>
<th>Target Name</th>
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<th>State(s):</th>
<th>Section(s):</th>
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<td></td>
<td>2 -</td>
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<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
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<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
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<td>Western Great Plains Saline Depression Wetland</td>
<td>Small</td>
<td>1 ha</td>
<td></td>
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<td>Riparian</td>
<td>Linear</td>
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<td>Bald Eagle (Haliaeetus leucocephalus)</td>
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<tr>
<td>Mammals</td>
<td>Mule Deer (Odocoileus hemionus)</td>
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<td></td>
<td>Pronghorn (Antilocapra americana)</td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Swift Fox (Vulpes velox)</td>
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### 120 Nowood River

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<td></td>
<td>2 -</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
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<td>3 -</td>
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<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
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Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
Appendix H. Conservation Area Summaries

<table>
<thead>
<tr>
<th>Terr Ecosys</th>
<th>Target Name</th>
<th>Type</th>
<th>G-rank</th>
<th>Amount</th>
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<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
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<td>Bald Eagle (Haliaeetus leucocephalus)</td>
<td>G5</td>
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<td>count</td>
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<td>Mountain Plover (Charadrius montanus)</td>
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121 Fifteen Mile Creek

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<th>4</th>
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Size ( hectares): 196,000  
Size (acres): 484,327  
State(s): Wyoming  
% Public: 85%

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<th>Amount</th>
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<td>Inter-Mountain Basins Curl-leaf Mountain Mahogany Woodland and Shrubland</td>
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<td>Northern Rocky Mountain Dry-Mesic Montane Mixed Conifer Forest</td>
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<td>Greater Sage Grouse (core areas) (Centrocercus urophasianus)</td>
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<tr>
<td>Mammals</td>
<td>Mule Deer (Odocoileus hemionus)</td>
<td>G5</td>
<td>50,912</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Pronghorn (Antilocapra americana)</td>
<td>G5</td>
<td>57,074</td>
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</tr>
<tr>
<td></td>
<td>White tailed Prairie Dog (Cynomus leucurus)</td>
<td>G4</td>
<td>283</td>
<td>ha</td>
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<tr>
<td>Plants</td>
<td>Everts Waferparsnip (Cymopterus evertii)</td>
<td>G2G3</td>
<td>10</td>
<td>count</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Twinpod (Physaria saximontana var. saximontana)</td>
<td>G3T2</td>
<td>2</td>
<td>count</td>
</tr>
</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
Appendix H. Conservation Area Summaries

122 West slope - Bighorn Mountains

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
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<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Active and Stabilized Dune</td>
<td>Matrix</td>
<td>13</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>4,481</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>1,496</td>
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<tr>
<td></td>
<td>Rocky Mountain Aspen Forest and Woodland</td>
<td>Small</td>
<td>21</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Curl-leaf Mountain Mahogany Woodland and Shrubland</td>
<td>Linear</td>
<td>2,224</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Northern Rocky Mountain Dry-Mesic Montane Mixed Conifer Forest</td>
<td>Small</td>
<td>2</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large</td>
<td>1,937</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Ponderosa Pine Woodland and Savanna</td>
<td>Small</td>
<td>61</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>32,350</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
<td>Large</td>
<td>18</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
<td>4,262</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td>916</td>
<td>ha</td>
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<tr>
<td></td>
<td>Northern Rocky Mountain Lower Montane Foothill and Valley Grassland</td>
<td>Small</td>
<td>6</td>
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<tr>
<td></td>
<td>Northwestern Great Plains Mixedgrass Prairie</td>
<td>Matrix</td>
<td>69</td>
<td>ha</td>
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<td></td>
<td>Western Great Plains Open Freshwater Depression Wetland</td>
<td>Small</td>
<td>51</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Saline Depression Wetland</td>
<td>Small</td>
<td>152</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Riparian</td>
<td>Linear</td>
<td>204</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
<td>394</td>
<td>ha</td>
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<td></td>
<td>Western Great Plains Floodplain</td>
<td>Linear</td>
<td>2</td>
<td>ha</td>
</tr>
<tr>
<td>Bird</td>
<td>Bald Eagle (Haliaeetus leucocephalus)</td>
<td>G5</td>
<td>11</td>
<td>count</td>
</tr>
<tr>
<td></td>
<td>Ferruginous Hawk (Buteo regalis)</td>
<td>G4</td>
<td>1</td>
<td>count</td>
</tr>
<tr>
<td></td>
<td>Greater Sage Grouse (core areas) (Centrocercus urophasianus)</td>
<td>G4</td>
<td>46,922</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Mountain Plover (Charadrius montanus)</td>
<td>G3</td>
<td>1</td>
<td>count</td>
</tr>
<tr>
<td>Mammals</td>
<td>Elk (Cervus canadensis)</td>
<td>G5</td>
<td>11,153</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Mule Deer (Odocoileus hemionus)</td>
<td>G5</td>
<td>18,935</td>
<td>ha</td>
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<tr>
<td></td>
<td>White tailed Prairie Dog (Cynomus leucurus)</td>
<td>G4</td>
<td>363</td>
<td>ha</td>
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<tr>
<td>Plants</td>
<td>Dubois Milkvetch (Astragalus gilviflorus var. purpureus)</td>
<td>G5T2</td>
<td>15</td>
<td>count</td>
</tr>
<tr>
<td></td>
<td>Hyattville Milkvetch (Astragalus jejunos var. articulatus)</td>
<td>G3T1</td>
<td>19</td>
<td>count</td>
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</table>

123 North/South Fork Shoshone - Greybull

<table>
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<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Active and Stabilized Dune</td>
<td>Matrix</td>
<td>21</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>218</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>403</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Alpine Bedrock and Scree</td>
<td>Small</td>
<td>109</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Aspen Forest and Woodland</td>
<td>Small</td>
<td>436</td>
<td>ha</td>
</tr>
</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.

Systematic Conservation Planning in the Wyoming Basins: Appendix H. Conservation Area Summaries
Appendix H. Conservation Area Summaries

<table>
<thead>
<tr>
<th>Terr Ecosys</th>
<th>Inter-Mountain Basins Curl-leaf Mountain Mahogany Woodland and Shrubland</th>
<th>Linear 2,136 ha</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Northern Rocky Mountain Dry-Mesic Montane Mixed Conifer Forest</td>
<td>Small 2,378 ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large 2,983 ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Lodgepole Pine Forest</td>
<td>Small 1,950 ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Subalpine Dry-Mesic Spruce-Firt Forest and Woodland</td>
<td>Small 1,220 ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix 526 ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix 53,509 ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
<td>Large 21,451 ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large 38 ha</td>
</tr>
<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large 7,198 ha</td>
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<tr>
<td></td>
<td>Rocky Mountain Lower Montane-Foothill Shrubland</td>
<td>Small 1 ha</td>
</tr>
<tr>
<td></td>
<td>Northern Rocky Mountain Lower Montane Foothill and Valley Grassland</td>
<td>Small 4,212 ha</td>
</tr>
<tr>
<td></td>
<td>Southern Rocky Mountain Montane-Subalpine Grassland</td>
<td>Small 552 ha</td>
</tr>
<tr>
<td></td>
<td>Northwestern Great Plains Mixedgrass Prairie</td>
<td>Matrix 186 ha</td>
</tr>
<tr>
<td></td>
<td>North American Arid West Emergent Marsh</td>
<td>Small 85 ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Alpine-Montane Wet Meadow</td>
<td>Small 386 ha</td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Open Freshwater Depression Wetland</td>
<td>Small 46 ha</td>
</tr>
<tr>
<td></td>
<td>Columbia Plateau Vernal Pool</td>
<td>Small 10 ha</td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Saline Depression Wetland</td>
<td>Small 959 ha</td>
</tr>
<tr>
<td></td>
<td>Riparian</td>
<td>2,558 ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Linear 234 ha</td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Floodplain</td>
<td>Large 305 ha</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bird</th>
<th>Bald Eagle (Haliaeetus leucocephalus) G5 217 count</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ferruginous Hawk (Buteo regalis) G4 1 count</td>
</tr>
<tr>
<td></td>
<td>Greater Sage Grouse (core areas) (Centrocercus urophasianus) G4 2,915 ha</td>
</tr>
<tr>
<td></td>
<td>Mountain Plover (Charadrius montanus) G3 1 count</td>
</tr>
<tr>
<td>Mammals</td>
<td>Elk (Cervus canadensis) G5 69,303 ha</td>
</tr>
<tr>
<td></td>
<td>Mule Deer (Odocoileus hemionus) G5 77,580 ha</td>
</tr>
<tr>
<td></td>
<td>Swift Fox (Vulpes velox) G3 1 count</td>
</tr>
<tr>
<td></td>
<td>White tailed Prairie Dog (Cynomus leucurus) G4 1,263 ha</td>
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<tr>
<td>Plants</td>
<td>Everts Waferparsnip (Cymopterus evertii) G2G3 4 count</td>
</tr>
<tr>
<td></td>
<td>Absaroka Beardtongue (Penstemon absarokensis) G2 14 count</td>
</tr>
<tr>
<td></td>
<td>Shoshonea (Shoshonea pulvinata) G2G3 16 count</td>
</tr>
<tr>
<td></td>
<td>North Fork Easter Daisy (Townsendia condensata var. anomala) G4T2 15 count</td>
</tr>
</tbody>
</table>

124 McCullough Peaks

| Size (hectares): | 17,000 |
| Size (acres):    | 42,008 |
| State(s):        | Wyoming |

<table>
<thead>
<tr>
<th>Section(s):</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
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<tbody>
<tr>
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<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Active and Stabilized Dune</td>
<td>Matrix</td>
<td>1</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>279</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>5,255</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Curl-leaf Mountain Mahogany Woodland and Shrubland</td>
<td>Linear</td>
<td>0</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large</td>
<td>63</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>8,587</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
<td>Large</td>
<td>18</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
<td>2,112</td>
<td>ha</td>
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</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.

Systematic Conservation Planning in the Wyoming Basins: Appendix H. Conservation Area Summaries  Page |130
Appendix H. Conservation Area Summaries

<table>
<thead>
<tr>
<th>Terr Ecosys</th>
<th>Target Name</th>
<th>Type</th>
<th>Rank</th>
<th>Amount</th>
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<tr>
<td><strong>125 Heart Mountain</strong></td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td><strong>126 Dry Bear Creek</strong></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>
Appendix H. Conservation Area Summaries

| Terr Ecosys | Western Great Plains Saline Depression Wetland | Small | 1 ha |
| Riparian | Linear | 102 ha |
| Inter-Mountain Basins Greasewood Flat | Large | 53 ha |

| Bird | Bald Eagle (Haliaeetus leucocephalus) G5 | 1 count |
| Greater Sage Grouse (core areas) (Centrocercus urophasianus) G4 | 1,917 ha |
| Mountain Plover (Charadrius montanus) G3 | 2 count |

| Mammals | Elk (Cervus canadensis) G5 | 2,807 ha |
| Mule Deer (Odocoileus hemionus) G5 | 5,865 ha |
| Pronghorn (Antilocapra americana) G5 | 2,559 ha |

---

127 Pat O'Hara Creek

| Size (hectares): | 8,000 | State(s): | Wyoming |
| Size (acres): | 19,768 | % Public: | 71% |

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>0 ha</td>
<td></td>
</tr>
<tr>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>293 ha</td>
<td></td>
<td></td>
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<tr>
<td>Rocky Mountain Aspen Forest and Woodland</td>
<td>Small</td>
<td>0 ha</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>5,647 ha</td>
<td></td>
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<tr>
<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
<td>Large</td>
<td>31 ha</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inter-Mountain Basins Mat Saltbush Shrubland</td>
<td>Large</td>
<td>436 ha</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td>256 ha</td>
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</tr>
<tr>
<td>Northern Rocky Mountain Lower Montane Foothill and Valley Grassland</td>
<td>Small</td>
<td>95 ha</td>
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<tr>
<td>Western Great Plains Open Freshwater Depression Wetland</td>
<td>Small</td>
<td>19 ha</td>
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<tr>
<td>Western Great Plains Saline Depression Wetland</td>
<td>Small</td>
<td>21 ha</td>
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<td></td>
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<tr>
<td>Riparian</td>
<td>Linear</td>
<td>280 ha</td>
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<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
<td>354 ha</td>
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<tr>
<td>Western Great Plains Floodplain</td>
<td>Linear</td>
<td>140 ha</td>
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</tbody>
</table>

| Bird | Bald Eagle (Haliaeetus leucocephalus) G5 | 5 count |
| Greater Sage Grouse (core areas) (Centrocercus urophasianus) G4 | 6,399 ha |
| Mountain Plover (Charadrius montanus) G3 | 42 count |

| Mammals | Mule Deer (Odocoileus hemionus) G5 | 1,852 ha |

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128 Bighorn Canyon

| Size (hectares): | 18,000 | State(s): | Wyoming |
| Size (acres): | 44,479 | % Public: | 87% |

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>9 ha</td>
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<tr>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>1,005 ha</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Northern Rocky Mountain Dry-Mesic Montane Mixed Conifer Forest</td>
<td>Small</td>
<td>2 ha</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large</td>
<td>27 ha</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rocky Mountain Ponderosa Pine Woodland and Savanna</td>
<td>Small</td>
<td>53 ha</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>65 ha</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>6,575 ha</td>
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</tr>
</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.
Appendix H. Conservation Area Summaries

<table>
<thead>
<tr>
<th>Terr Ecosys</th>
<th>Area Type</th>
<th>Size (ha)</th>
<th>State(s)</th>
<th>% Public</th>
<th>Section(s):</th>
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<td>251</td>
<td>Montana, Wyoming</td>
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<td>Inter-Mountain Basins Mat Saltbrush Shrubland</td>
<td>Large</td>
<td>1,806</td>
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<tr>
<td>Northwestern Great Plains Mixedgrass Prairie</td>
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<td>0</td>
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<td></td>
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<tr>
<td>Western Great Plains Open Freshwater Depression Wetland</td>
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<td>278</td>
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</tr>
<tr>
<td>Western Great Plains Saline Depression Wetland</td>
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</tr>
<tr>
<td>Riparian</td>
<td>Linear</td>
<td>177</td>
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<td>Inter-Mountain Basins Greasewood Flat</td>
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<td>1,503</td>
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<tr>
<td>Western Great Plains Floodplain</td>
<td>Linear</td>
<td>746</td>
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<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Cliff and Canyon</td>
<td>Small</td>
<td>70</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Shale Badland</td>
<td>Small</td>
<td>1,267</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Curl-leaf Mountain Mahogany Woodland and Shrubland</td>
<td>Linear</td>
<td>59</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Northern Rocky Mountain Dry-Mesic Montane Mixed Conifer Forest</td>
<td>Small</td>
<td>128</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large</td>
<td>351</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Lodgepole Pine Forest</td>
<td>Small</td>
<td>1</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Ponderosa Pine Woodland and Savanna</td>
<td>Small</td>
<td>98</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>16</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>2,567</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
<td>Large</td>
<td>117</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Mat Saltbrush Shrubland</td>
<td>Large</td>
<td>2,063</td>
<td>ha</td>
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<tr>
<td></td>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td>1</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Rocky Mountain Lower Montane-Foothill Shrubland</td>
<td>Small</td>
<td>18</td>
<td>ha</td>
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<tr>
<td></td>
<td>Northern Rocky Mountain Lower Montane Foothill and Valley Grassland</td>
<td>Small</td>
<td>2</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Southern Rocky Mountain Montane-Subalpine Grassland</td>
<td>Small</td>
<td>2</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Northwestern Great Plains Mixedgrass Prairie</td>
<td>Matrix</td>
<td>1,575</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>North American Arid West Emergent Marsh</td>
<td>Small</td>
<td>0</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Open Freshwater Depression Wetland</td>
<td>Small</td>
<td>5</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Saline Depression Wetland</td>
<td>Small</td>
<td>33</td>
<td>ha</td>
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<td></td>
<td>Riparian</td>
<td>Linear</td>
<td>113</td>
<td>ha</td>
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<tr>
<td></td>
<td>Inter-Mountain Basins Greasewood Flat</td>
<td>Large</td>
<td>34</td>
<td>ha</td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Floodplain</td>
<td>Linear</td>
<td>105</td>
<td>ha</td>
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</table>

<table>
<thead>
<tr>
<th>Bird</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mountain Plover (Charadrius montanus)</td>
<td>G3</td>
<td>1</td>
<td>count</td>
<td></td>
</tr>
<tr>
<td>Mule Deer (Odocoileus hemionus)</td>
<td>G5</td>
<td>7,446</td>
<td>ha</td>
<td></td>
</tr>
<tr>
<td>Plants</td>
<td>Pryor Mountains Bladderpod (Lesquerella lesicii)</td>
<td>G1</td>
<td>11</td>
<td>count</td>
</tr>
</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.

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Appendix H. Conservation Area Summaries

### 130 Sage Creek

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Curl-leaf Mountain Mahogany Woodland and Shrubland</td>
<td>Linear</td>
<td>11 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Northern Rocky Mountain Dry-Mesic Montane Mixed Conifer Forest</td>
<td>Small</td>
<td>43 ha</td>
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</tr>
<tr>
<td></td>
<td>Rocky Mountain Foothill Limber Pine-Juniper Woodland</td>
<td>Large</td>
<td>6 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>0 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
<td>Large</td>
<td>39 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Northwestern Great Plains Mixedgrass Prairie</td>
<td>Matrix</td>
<td>8 ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Western Great Plains Floodplain</td>
<td>Linear</td>
<td>3 ha</td>
<td></td>
</tr>
<tr>
<td>Plants</td>
<td>Absaroka Goldenweed (Pyrocoma carthamoides var. subsquarrosa)</td>
<td>G4G5T2</td>
<td>1 count</td>
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</table>

### 131 John Weller Mesa

<table>
<thead>
<tr>
<th>Tax Group</th>
<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Inter-Mountain Basins Curl-leaf Mountain Mahogany Woodland and Shrubland</td>
<td>Linear</td>
<td>2 ha</td>
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<tr>
<td>Colorado Plateau Pinyon-Juniper Woodland Shrubland and Savanna</td>
<td>Matrix</td>
<td>499 ha</td>
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</tr>
<tr>
<td>Northern Rocky Mountain Dry-Mesic Montane Mixed Conifer Forest</td>
<td>Small</td>
<td>8 ha</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rocky Mountain Ponderosa Pine Woodland and Savanna</td>
<td>Small</td>
<td>236 ha</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>122 ha</td>
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<td></td>
</tr>
<tr>
<td>Inter-Mountain Basins Montane Sagebrush Steppe</td>
<td>Large</td>
<td>2 ha</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td>3 ha</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rocky Mountain Lower Montane-Foothill Shrubland</td>
<td>Small</td>
<td>116 ha</td>
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<td></td>
</tr>
<tr>
<td>Inter-Mountain Basins Semi-Desert Grassland</td>
<td>Large</td>
<td>11 ha</td>
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</table>

### 132 Halfway Hollow North

<table>
<thead>
<tr>
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<th>Target Name</th>
<th>Patch Type</th>
<th>G-rank</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terr Ecosys</td>
<td>Colorado Plateau Mixed Bedrock Canyon and Tableland</td>
<td>Small</td>
<td>4 ha</td>
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</tr>
<tr>
<td>Colorado Plateau Pinyon-Juniper Woodland Shrubland and Savanna</td>
<td>Matrix</td>
<td>174 ha</td>
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</tr>
<tr>
<td>Inter-Mountain Basins Mixed Salt Desert Scrub</td>
<td>Matrix</td>
<td>3 ha</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inter-Mountain Basins Big Sagebrush Steppe and Shrubland</td>
<td>Matrix</td>
<td>197 ha</td>
<td></td>
<td></td>
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<tr>
<td>Wyoming Basins Dwarf Sagebrush Shrubland and Steppe</td>
<td>Large</td>
<td>59 ha</td>
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<td></td>
</tr>
<tr>
<td>Rocky Mountain Gambel Oak-Mixed Montane Shrubland</td>
<td>Small</td>
<td>0 ha</td>
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<td></td>
</tr>
<tr>
<td>Southern Rocky Mountain Montane-Subalpine Grassland</td>
<td>Small</td>
<td>54 ha</td>
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</tr>
</tbody>
</table>

Sections: 1 = Bighorn Basin and Owl Creek Mountains; 2 = Central Basin and Hills; 3 = Green River Basin; 4 = Bear Lake; 5 = Uinta Basin.

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2013