

## APPENDIX G

### The WAP Conservation Landscape and Focal Areas

Focal areas were identified as discrete landscape units using the natural basin and range geography of the Nevada landscape. These units were prioritized using biodiversity and species richness measures based upon NDOW and NNHP observations and element occurrences for species of conservation priority. Focal areas were initially determined by those basin and range units that captured as least one documented occurrence of at least 90% of the species of conservation priority. Basin and range units were then added manually such that at least one occurrence of the remaining 10% of the species of conservation priority (e.g. localized, endemic populations) were represented. Landscape units were also added to include Audubon Important Bird Areas (2012), NNHP Scorecard sites (2006), significant spring landscapes (NNHP 2011), greater sage-grouse preliminary priority habitat (NDOW 2012), crucial mule deer habitat (NDOW 2009), and crucial bighorn sheep habitat (NDOW 2010) that were not already represented by the basin and range units with high biodiversity.

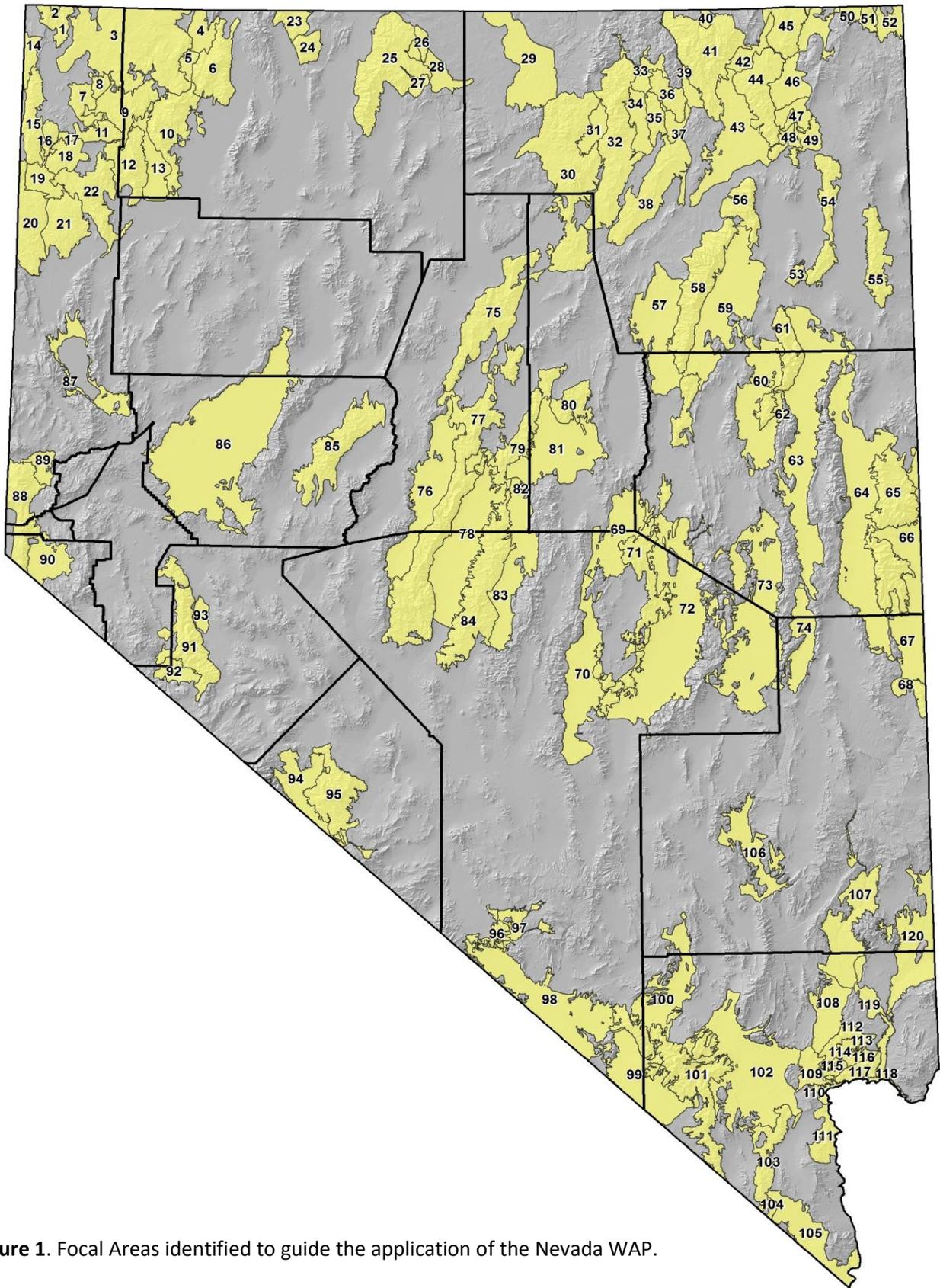
The resulting focal areas map (Figure 1) provides information about the location of biologically diverse areas in Nevada, highlights landscapes containing endemic species, and recognizes important areas identified in prior conservation planning efforts. The map does not provide a prioritization of individual landscapes but is intended as an informational resource for strategy development and implementation. Each key habitat strategy in the Nevada WAP includes a list of associated focal areas based upon the landscape assessment described above. The focal area analysis captured 75% of the habitat type, and then all sites that had greater than 1% of that habitat type present in the focal area were added. For example, in Alpine and Tundra, 75% of the habitat type is in the Ruby Mountains, Snake Range, Toiyabe Range, and the Toiyabe Range. The East Humboldt Range, Jarbidge Wilderness, Wassuk Range, and Independence Mountains were added as secondary focal areas. It should be noted that for some habitat types (e.g. aspen or alpine) that don't have a large geographic extent and are more localized, yet critical almost everywhere they occur, that conservation efforts should or could extend beyond this analysis/list.

Focal areas provide a general overview of key areas for fish and wildlife but by no means are intended to imply that conservation action should be restricted to these areas. Prioritization of key areas in the conservation landscape will be carried out by local working groups during WAP implementation. The focal areas provide a framework for evaluating Nevada's WAP in a statewide context to help determine the extent to which conservation actions identified in the 22 key habitat strategies are benefiting the WAP Species of Conservation Priority.

Table 1 is a listing of 120 Focal Areas in Nevada as shown in the focal areas map (Figure 1). Table 2 is a listing of focal areas by key habitat type. The focal area analysis included 75% of the habitat type, and then all sites that had greater than 1% of that habitat type present in the focal area were added.

ID	Focal Area Description				
1	Mosquito Mountains	31	Independence Valley	61	Cherry Creek Range
2	Coleman Valley	32	Independence Mountains	62	Egan Basin
3	Sheldon NWR	33	Owyhee River Area	63	Steptoe Valley
4	Bog Hot Valley	34	Pie Creek drainage	64	Spring Valley
5	Craine Creek Drainage	35	Bone Mountains	65	Snake Range
6	Pine Forest Range	36	Wild Horse Range	66	Snake Valley
7	Massacre Range	37	West Fork Beaver Creek	67	Hamilin Valley
8	Nut Mountain	38	Adobe Range	68	White Rock Mountains
9	High Rock Area	39	Bruneau River	69	Little Smokey Valley
10	Black Rock Range	40	The Islands	70	Hot Creek Valley
11	Little High Rock Mountains	41	Jarbidge Wilderness	71	Pancake Range
12	Calico Mountains (Pershing Co.)	42	O'Neil Basin	72	Railroad Valley
13	Black Rock Desert West	43	Marys River	73	White River Valley
14	Crooks Lake and plateau	44	Snake Mountains	74	Cave Valley
15	Hays Canyon Range	45	Salmon River Range	75	Shoshone Range
16	Boulder Mountain	46	Salmon Falls Creek Area	76	Upper Reese River Valley
17	Wall Canyon	47	Thousand Springs Valley	77	Toiyabe Range
18	Lost Creek Hills	48	Bishop Creek	78	Big Smoky Valley
19	Duck Flat	49	Windermere Hills	79	Simpson Park Mountains
20	Madelin Mesa	50	Shoshone Basin	80	Roberts Creek Mountains
21	Buffalo Hills	51	Deadline Ridge	81	Kobeh Valley
22	Granite Range (Washoe Co.)	52	Goose Creek	82	Grimes Hills
23	Trout Creek Mountains	53	Spruce Mountain	83	Monitor Valley
24	Montana Mountains	54	Pequop Mountains	84	Toquima Range
25	Santa Rosa Range	55	Goshute Mountains	85	Clan Alpine Mountains
26	Calico Mountains (Humboldt Co.)	56	East Humboldt Range	86	Carson Sink
27	Goat Corral Flat	57	Huntington Valley	87	Pyramid Lake Valley
28	North Fork Little Humboldt River	58	Ruby Mountains	88	Carson Range
29	Owyhee Desert (South Fork Owyhee drainage)	59	Ruby Valley	89	Truckee Meadows
30	Tuscarora Mountains	60	Butte Valley South	90	Carson Valley
				91	Wassuk Range
				92	Mud Spring drainage
				93	Walker Lake
				94	Fish Lake Valley
				95	Silver Peak Range
				96	Bullfrog Hills
				97	Oasis Valley
				98	Amargosa Desert
				99	Pahrump Valley
				100	Indian Springs Valley
				101	Spring Mountains
				102	Las Vegas Valley
				103	McCullough Range
				104	New York Mountains
				105	Piute Valley
				106	Pahranagat Valley
				107	Lower Meadow Valley Wash
				108	Moapa Valley West
				109	Las Vegas Wash
				110	Black Mesa
				111	El Dorado Mountains
				112	Muddy Mountains
				113	White Basin
				114	Bitter Ridge
				115	Gale Hills
				116	Bitter Spring Valley
				117	Black Mountains
				118	Lake Mead
				119	Moapa Valley East
				120	Virgin River Valley

**Table 1.** Listing of 120 Focal Areas in Nevada as shown in the following map (Figure 1).



**Figure 1.** Focal Areas identified to guide the application of the Nevada WAP.

**Table 2.** Listing of Focal Areas by Habitat Type.

<b>Intermountain Cold Desert Shrub</b>	Amargosa Desert Big Smoky Valley Black Rock Desert Black Rock Desert West Black Rock Range Carson Sink Fish Lake Valley Hamilin Valley Hot Creek Valley Little Smokey Valley Pahrnagat Valley	Pahrump Valley Pancake Range Pyramid Lake Valley Railroad Valley Ruby Valley Silver Peak Range Snake Valley Spring Valley Steptoe Valley Wassuk Range White River Valley
<b>Mojave Warm Desert and Mixed Desert Shrub</b>	Amargosa Desert Black Mountains Bullfrog Hills El Dorado Mountains Indian Springs Valley Las Vegas Valley Las Vegas Wash Lower Meadow Valley Wash McCullough Range Moapa Valley -West	Moapa Valley-East Muddy Mountains Oasis Valley Pahrnagat Valley Pahrump Valley Piute Valley Spring Mountains Virgin River Valley White Basin
<b>Sagebrush</b>	Adobe Range Buffalo Hills Butte Valley Calico Mountains Clan Alpine Mountains Granite Range Huntington Valley Independence Mountains Jarbidge Wilderness Kobeh Valley Little Smokey Valley Madelin Mesa Marys River Drainage Monitor Valley Owyhee Desert (South Fork Owyhee drainage) Pancake Range	Railroad Valley Ruby Mountains Ruby Valley Salmon Falls Creek Area Salmon River Range Santa Rosa Range Sheldon NWR Shoshone Range Simpson Park Mountains Snake Mountains Spring Valley Spruce Mountain Steptoe Valley Toiyabe Range Toquima Range Tuscarora Mountains Upper Reese River Valley
<b>Lower Montane Woodlands</b>	Buffalo Hills	Santa Rosa Range

<b>and Chaparral</b>	<ul style="list-style-type: none"> <li>Butte Valley</li> <li>Carson Range</li> <li>Cave Valley</li> <li>Cherry Creek Range</li> <li>Clan Alpine Mountains</li> <li>Crooks Lake and plateau</li> <li>Goshute Mountains</li> <li>Granite Range</li> <li>Hays Canyon Range</li> <li>Madelin Mesa</li> <li>Pancake Range</li> <li>Pequop Mountains</li> <li>Roberts Creek Mountains</li> <li>Ruby Mountains</li> </ul>	<ul style="list-style-type: none"> <li>Sheldon NWR</li> <li>Silver Peak Range</li> <li>Simpson Park Mountains</li> <li>Snake Range</li> <li>Snake Valley</li> <li>Spring Mountains</li> <li>Spring Valley</li> <li>Spruce Mountain</li> <li>Steptoe Valley</li> <li>Toiyabe Range</li> <li>Toquima Range</li> <li>Wassuk Range</li> <li>White River Valley</li> <li>White Rock Mountains</li> </ul>
<b>Intermountain Coniferous Forest and Woodlands</b>	<ul style="list-style-type: none"> <li>Cherry Creek Range</li> <li>East Humboldt Range</li> <li>Independence Mountains</li> <li>Jarbidge Wilderness</li> <li>Las Vegas Valley</li> <li>Ruby Mountains</li> </ul>	<ul style="list-style-type: none"> <li>Snake Range</li> <li>Spring Mountains</li> <li>Toiyabe Range</li> <li>Toquima Range</li> <li>Wassuk Range</li> </ul>
<b>Sierra Coniferous Forest and Woodlands</b>	<ul style="list-style-type: none"> <li>Carson Range</li> </ul>	
<b>Grasslands and Meadows</b>	<ul style="list-style-type: none"> <li>Adobe Range</li> <li>Black Rock Range</li> <li>Carson Sink</li> <li>East Humboldt Range</li> <li>Granite Range</li> <li>Hays Canyon Range</li> <li>Huntington Valley</li> <li>Independence Mountains</li> <li>Independence Valley</li> <li>Jarbidge Wilderness</li> <li>Mary's River Drainage</li> <li>Montana Mountains</li> <li>Owyhee Desert (South Fork Owyhee drainage)</li> <li>Pie Creek drainage</li> </ul>	<ul style="list-style-type: none"> <li>Pine Forest Range</li> <li>Railroad Valley</li> <li>Ruby Mountains</li> <li>Ruby Valley</li> <li>Santa Rosa Range</li> <li>Sheldon NWR</li> <li>Shoshone Range</li> <li>Simpson Park Mountains</li> <li>Snake Mountains</li> <li>Spring Valley</li> <li>Steptoe Valley</li> <li>Toiyabe Range</li> <li>Tuscarora Mountains</li> <li>Upper Reese River Valley</li> <li>White River Valley</li> </ul>
<b>Aspen Woodland</b>	<ul style="list-style-type: none"> <li>Black Rock Range</li> <li>Boulder Mountain</li> <li>East Humboldt Range</li> <li>Granite Range</li> </ul>	<ul style="list-style-type: none"> <li>Ruby Mountains</li> <li>Santa Rosa Range</li> <li>Sheldon NWR</li> <li>Snake Mountains</li> </ul>

	Hays Canyon Range Independence Mountains Jarbidge Wilderness Pine Forest Range	Snake Range Toiyabe Range Tuscarora Mountains
<b>Alpine and Tundra</b>	East Humboldt Range Independence Mountains Jarbidge Wilderness Ruby Mountains	Snake Range Toiyabe Range Toquima Range Wassuk Range
<b>Intermountain Rivers and Streams</b>	Adobe Range Black Rock Desert Wash Bruneau River Carson Range Carson Sink Carson Valley East Humboldt Range Goose Creek Huntington Valley Independence Mountains Jarbidge Wilderness Mary's River Montana Mountains O'Neil Basin Owyhee Desert (South Fork Owhyee Drainage)	Owyhee River Area Pahranagat Valley Pyramid Lake Valley Railroad Valley Ruby Mountains Salmon Falls Creek Area Salmon River Range Santa Rosa Range Snake Mountains Truckee Meadows Tuscarora Mountains Walker River Wall Canyon Wassuk Range West Fork Beaver Creek White River Valley
	<i>Also:</i> Carson River Humboldt River and tributaries Jarbidge River and tributaries	Pyramid Lake Truckee River
<b>Warm Desert Riparian</b>	Amargosa Desert Bitter Spring Valley Bullfrog Hills Lake Mead Las Vegas Valley Las Vegas Wash	Lower Meadow Valley Wash Moapa Valley East Moapa Valley West Oasis Valley Virgin River Valley
	<i>Also:</i> Amargosa River Colorado River	Muddy River Virgin River
<b>Springs and Springbrooks</b>	Amargosa Desert Big Smoky Valley Black Rock Desert Wash	Monitor Valley Oasis Valley Pahranagat Valley

	El Dorado Mountain Fish Lake Valley Goshute Mountains Independence Valley Lower Meadow Valley Wash Moapa Valley East	Railroad Valley Roberts Creek Mountains Spring Mountains Spring Valley White River Valley
	<i>Also:</i> Condor Canyon	
<b>Mesquite Bosques and Desert Washes and Desert Washes</b>	Amargosa Desert Bitter Spring Valley Las Vegas Valley Las Vegas Wash	Lower Meadow Valley Wash Moapa Valley Virgin River Valley
<b>Marshes</b>	Amargosa Desert Carson Range Carson Sink Carson Valley Granite Range Pahranaagat Valley	Pyramid Lake Valley Ruby Valley Sheldon NWR Spring Valley Steptoe Valley White River Valley
<b>Lakes and Reservoirs</b>	Carson Range Carson Sink Crooks Lake and plateau Lake Mead Owyhee River Area	Piute Valley Pyramid Lake Valley Ruby Valley Sheldon NWR Walker Lake
<b>Desert Playas and Ephemeral Pools</b>	Amargosa Desert Big Smoky Valley Black Rock Desert West Bog Hot Valley Carson Sink Fish Lake Valley	Indian Springs Valley Las Vegas Valley Railroad Valley Sheldon NWR Spring Valley
<b>Sand Dunes and Badlands</b>	Amargosa Desert Bitter Spring Valley Black Mesa Black Mountains Carson Sink Hays Canyon Range Las Vegas Valley	Las Vegas Wash Lower Meadow Valley Wash Moapa Valley - East Moapa Valley - West Pine Forest Range Piute Valley Virgin River Valley
<b>Cliffs and Canyons</b>	Black Mountains Black Rock Range Buffalo Hills	Pancake Range Pine Forest Range Ruby Mountains

	<ul style="list-style-type: none"> <li>Calico Mountains-Pershing</li> <li>El Dorado Mountains</li> <li>Granite Range</li> <li>Hays Canyon Range</li> <li>High Rock Area</li> <li>Independence Mountains</li> <li>Jarbidge Wilderness</li> <li>Las Vegas Valley</li> <li>Madelin Mesa</li> <li>McCullough Range</li> <li>Montana Mountains</li> <li>Muddy Mountains</li> </ul>	<ul style="list-style-type: none"> <li>Santa Rosa Range</li> <li>Sheldon NWR</li> <li>Shoshone Range</li> <li>Silver Peak Range</li> <li>Snake Mountains</li> <li>Snake Range</li> <li>Spring Mountains</li> <li>Toiyabe Range</li> <li>Trout Creek Mountains</li> <li>Tuscarora Mountains</li> <li>Virgin River Valley</li> <li>Wassuk Range</li> </ul>
<b>Developed Landscapes</b>	<ul style="list-style-type: none"> <li>Carson Range</li> <li>Carson Sink</li> <li>Carson Valley</li> <li>Las Vegas Valley</li> </ul>	<ul style="list-style-type: none"> <li>Pahrump Valley</li> <li>Truckee Meadows</li> <li>Virgin River Valley</li> </ul>
<b>Barren Landscapes</b>	<ul style="list-style-type: none"> <li>Big Smoky Valley - North</li> <li>Black Rock Range</li> <li>Buffalo Hills</li> <li>Butte Valley - South</li> <li>Carson Sink</li> <li>Cherry Creek Range</li> <li>Clan Alpine Mountains</li> <li>Fish Lake Valley</li> <li>Huntington Valley</li> <li>Independence Mountains</li> <li>Madelin Mesa</li> <li>Mud Spring drainage</li> </ul>	<ul style="list-style-type: none"> <li>Pahrump Valley</li> <li>Roberts Creek Mountains</li> <li>Ruby Mountains</li> <li>Ruby Valley</li> <li>Santa Rosa Range</li> <li>Sheldon NWR</li> <li>Shoshone Range</li> <li>Spring Mountains</li> <li>Toiyabe Range</li> <li>Toquima Range</li> <li>Tuscarora Mountains</li> <li>White River Valley</li> </ul>
<b>Agricultural Lands</b>	<ul style="list-style-type: none"> <li>Amargosa Desert</li> <li>Big Smoky Valley - North</li> <li>Carson Sink</li> <li>Carson Valley</li> <li>Fish Lake Valley</li> <li>Marys River Drainage</li> <li>Moapa Valley - East</li> <li>Pahrump Valley</li> <li>Ruby Valley</li> </ul>	<ul style="list-style-type: none"> <li>Salmon Falls Creek Area</li> <li>Snake Valley</li> <li>Spring Valley</li> <li>Steptoe Valley</li> <li>Truckee Meadows</li> <li>Upper Reese River Valley</li> <li>Virgin River Valley</li> <li>White River Valley</li> </ul>