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September 22, 2015

Ms. Elaine B. Kohrman, Forest Supervisor  
Cibola National Forest  
United States Forest Service  
2113 Osuna Road, NE  
Albuquerque, NM 87113

RE: Cibola Forest Plan Revision: Phase 2 of the Potential Wilderness Inventory

Dear Ms. Kohrman:

New Mexico Department of Agriculture (NMDA) submits the following comments regarding the second phase of the Potential Wilderness Inventory (Inventory) for the United States Forest Service (USFS) Cibola National Forest's (Cibola) Forest Plan Revision.

One part of NMDA's role is to provide proactive advocacy and promotion of New Mexico's agricultural industries. NMDA supports management of National Forest System lands under the principles of multiple use and sustained yield as congressionally mandated by the Multiple-Use and Sustained-Yield Act of 1960 (16 U.S.C. 528-531) and further codified by the National Forest Management Act of 1976 (16 U.S.C. 1601-1614).

Lands identified as potentially suitable for wilderness under this process would be managed under the nonimpairment policy (36 CFR 219.10 (b) (iv)) and would result in greatly reduced access for resource management and multiple use. This nonimpairment policy extends the protection of congressionally designated wilderness areas to recommended wilderness areas identified in this process. It is beyond the authority of the USFS to manage an area as wilderness unless and until Congress actually designates such areas pursuant to the Wilderness Act. NMDA is opposed to recommending any areas to include in the National Wilderness Preservation System because of the land management restrictions that accompany such a recommendation.

NMDA's comments are organized into an "Issues of Concern" section and an "Inventoried Polygon Analysis" section as outlined below in a Table of Contents.

Thank you for the opportunity to submit comments regarding the Inventory for the USFS Cibola National Forest's Forest Plan Revision. Please contact Ms. Lacy Levine at (575) 646-8024 or [llevine@nmda.nmsu.edu](mailto:llevine@nmda.nmsu.edu) with any questions regarding these comments.

Sincerely,

A handwritten signature in blue ink, appearing to read 'JM Witte', with a stylized flourish at the end.

Jeff M. Witte  
JMW/ll/ya

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## Issues of Concern

### Information Sources

NMDA utilized several Geographic Information System (GIS) sources of information to analyze polygons in the Inventory and to write our comments. We have listed these sources below as reference for readers.

- Phase 2 Inventory Maps (herein, “Map PDFs”)<sup>1</sup>
- ArcGIS Story Map (herein, “Story Map”)<sup>2</sup>
- ArcGIS Phase 2 Inventory Map Files available by Freedom of Information Act (herein, “Polygon GIS Files”)
- ArcGIS Files for the Cibola (herein, “Cibola GIS Files”)<sup>3</sup>

The “Inventoried Polygon Analysis” section utilizes the Evaluation Criteria Definition Matrix and Comment Form available in Appendix C of the “Process Report for Inventory and Evaluation of Lands That May Be Suitable for Wilderness” (herein, “Process Report”).<sup>4</sup>

### Request for Further Information

Upon becoming a cooperating agency in the Forest Plan Revision process, NMDA requested the GIS shapefiles and supporting data during a meeting regarding the release of the second phase of this Inventory. We were told to submit a Freedom of Information Act request upon the publication of the second phase of the Potential Wilderness Inventory maps; which we did on July 20, 2015, and received soon after.

As an agency, we have received several questions regarding our recommendation on how best to comment on the Inventory. Because the PDF and online maps that have been provided do not offer the level of detail needed for analysis, we have had to use and have had to recommend the tedious approach of utilizing Google Earth and the online maps simultaneously to compare all features in an area. We believe the Cibola should have provided more detailed maps or should have been more responsive to public requests for the GIS files to make comment writing less tedious. It is unfair to people who actively use the forest for their business operations to have to spend so much time and resources to compare documents in order to provide substantive comments on this Inventory.

### Inventory Process

The Process Report’s “Appendix A: Substantially Noticeable Definition Matrix,” provides the criteria the Cibola developed for the definition of the term “substantially noticeable.” The term

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<sup>1</sup> United States Forest Service, Cibola National Forest and National Grasslands, “Forest Plan Revision,” Phase 2 Inventory Maps available to download as PDF documents at:

[http://www.fs.usda.gov/detail/cibola/landmanagement/planning/?cid=fsbdev3\\_065627](http://www.fs.usda.gov/detail/cibola/landmanagement/planning/?cid=fsbdev3_065627)

<sup>2</sup> United States Forest Service, Cibola National Forest and National Grasslands, “Inventory and Evaluation Process of Lands That May Be Suitable for Wilderness,” ArcGIS Story Map available at:

<http://r3fpr.maps.arcgis.com/apps/MapSeries/index.html?appid=905dcda6030748139b892907a555857d>

<sup>3</sup> United States Forest Service, “Cibola National Forest GIS Data,” available for download at:

<http://www.fs.usda.gov/detail/r3/landmanagement/gis/?cid=stelprdb5212078>

<sup>4</sup> United States Forest Service, Cibola National Forest and National Grasslands, “Forest Plan Revision,” Process Report for Inventory and Evaluation of Lands That May Be Suitable for Wilderness,” available to download as a PDF document at: [http://www.fs.usda.gov/detail/cibola/landmanagement/planning/?cid=fsbdev3\\_065627](http://www.fs.usda.gov/detail/cibola/landmanagement/planning/?cid=fsbdev3_065627)

“substantially noticeable” is used in the Forest Service Handbook 1909.12, Chapter 70 but is not defined in any USFS documents. The criteria outlined in Appendix A is subjective and was not formally provided to the public for comment. Given this subjectivity, NMDA requests that any changes made to the Inventory based on the application of the criteria be provided to the public during an additional comment period. The long term implications of recommending areas to be included in the National Wilderness Preservation System are of direct interest to forest users. The public should be given ample and transparent opportunities to provide feedback on the Inventory and changes made to it.

Additionally, the Process Report’s “Appendix B: Detailed Phase 2 Results,” provides detailed explanations on why each polygon was removed, modified, or added to the Inventory. The explanations also include where field verification is needed where applicable. These field verifications – as point of process – should have been conducted prior to the release of the Map PDFs because if features are field verified to be Substantially Noticeable, they will change the boundaries of many polygons. Such changes should be made available for public review and comment. Breaking up the Inventory process into so many steps complicates public involvement; having a cohesive and complete polygon analysis would have been helpful during this phase of the Inventory. Further to this point, NMDA requests that when field verifications are conducted, that photographs and field notes for each site visit be provided to the public. Since field verification is one of the last steps of the Inventory, it is imperative the reasoning of why particular areas are removed or kept in the inventory be given.

### **Grazing**

The USFS recognizes that, “complex congressional guidelines provide for existing levels of grazing and necessary range improvements.”<sup>5</sup> The Cibola manages approximately 90 grazing allotments across the Cibola’s Ranger Districts. The continued availability of grazing allotments is important in terms of public priorities, economic vitality of rural economies, range health, and the customs and culture of many people in New Mexico. It is paramount that your staff consult and coordinate with all affected grazing permit holders in the Cibola throughout this process to ensure that agricultural producers retain their existing grazing Animal Unit Months and unrestricted access needed to maintain range improvements and manage livestock grazing on their allotments. Further, NMDA asserts that managing grazing units as wilderness does not allow for access for monitoring and rangeland restoration activities. Therefore, NMDA requests that all inventoried polygons with existing or needed range improvements (including fences, pipelines, stock tanks, etc.) be removed from further consideration to be managed or recommended as wilderness.

NMDA lists the specific grazing GIS features (range management units) in the “Inventoried Polygon Analysis.” Polygons with grazing allotments should be removed from further consideration in the Inventory and not be managed as wilderness.

### **Roads and Trails**

NMDA objects to the practice of “cherry-stemming” roads from the boundary of potential wilderness areas under the argument that it does not impact wilderness when, in fact, it does. If a road provides access into or bisects an area, that area is not roadless and thus not suitable for

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<sup>5</sup> United States Forest Service, “Wilderness.” <http://www.fs.fed.us/managing-land/wilderness>.

potential wilderness. The practice of artificially reducing road densities by cherry-stemming roads from an area is indefensible.

Further, most remaining inventoried polygons still include roads and trails. Though these roads and trails may not be used often by the general public, forest users such as grazing permit holders likely use them for range access for day-to-day operations. It is paramount that road and trail access and maintenance persist in polygons and not be inhibited due to the polygon's management as wilderness.

NMDA lists the GIS features for roads and trails for each applicable polygon in the "Inventoried Polygon Analysis" below. Polygons with these GIS features should be removed from further consideration in the Inventory and not be managed as wilderness.

### **Constructed Features**

Several types of constructed features are within or near many polygons according to the Cibola's online GIS database. Constructed features include "fences, bridges, culverts, buildings, communication systems, gates, helipads, parking lots, shooting ranges, etc.... and nonconstructed features may include natural barriers and other features that need to be maintained spatially." According to the Wilderness Evaluation chapter of the Land Management Planning Handbook, "other improvements," which includes many of the constructed features listed above, should be included in the Inventory. If these features require maintenance access, some of these features may disqualify polygons from being recommended for wilderness designation.

Many of the constructed and nonconstructed features are related to water development and water provision for livestock and wildlife use. Under New Mexico's prior appropriation system, maintaining water rights requires a permit holder to apply water rights to the intended beneficial use. In the context of livestock watering rights, federal agencies are unable to comply with this requirement due to the fact that grazing permit holders, not the federal agency, are owners of the livestock on federal grazing allotments and are the only party capable of applying livestock watering rights to beneficial use. Therefore, NMDA requests that polygons with constructed and nonconstructed features related to livestock watering be removed from further consideration for wilderness designation. Neither wilderness recommendation nor designation should be used to allow the USFS the ability to prohibit access to water or to allow the agencies to gain control of water that is necessary for the public good.

Additionally, Appendix A in the Process Report, as described above, provides criteria for range improvements that are considered to be "substantially noticeable." One of the criteria is, "water pipelines located above ground which are greater than 6 inches in diameter..."<sup>6</sup> NMDA asserts that pipelines over 6 inches are uncommon constructed features. Pipelines that are under 6 inches should be included in the definition of "substantially noticeable," and thus removed from the

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<sup>6</sup> United States Forest Service, Cibola National Forest and National Grasslands, "Forest Plan Revision," Process Report for Inventory and Evaluation of Lands That May Be Suitable for Wilderness," Page 14, available to download as a PDF document at:

[http://www.fs.usda.gov/detail/cibola/landmanagement/planning/?cid=fsbdev3\\_065627](http://www.fs.usda.gov/detail/cibola/landmanagement/planning/?cid=fsbdev3_065627)



Inventory in order to ensure that access and maintenance can continue for these important range improvements.

NMDA lists the GIS features for constructed features for each applicable polygon in the “Inventoried Polygon Analysis” below. Polygons with these GIS features should be removed from further consideration in the Inventory and not be managed as wilderness.

### Watershed Health

The Cibola’s Assessment Report included the “Combined Table of Ecological Risk to Water Resource Features” in Table 38 (below).<sup>7</sup> As demonstrated in the table below, most watershed features in the Cibola are rated as having at least moderate risk. The Assessment Report offers many methods to mitigate these watershed feature risks.<sup>8</sup> However, these activities cannot be achieved to their full capacity if managed as wilderness. Thus NMDA requests the removal of all polygons with a risk rating of at least “moderate” from further consideration in the Inventory.

Feature	Mt. Taylor	Zuni Mtns.	Bear Mtns.	Datil Mtns.	Magdalena Mtns.	San Mateo Mtns.	Gallinas Mtns.	Manzano Mtns.	Sandia Mtns.
Perennial Streams	Moderate (Mod.)	Mod.	Mod.	None	None	Mod.	None	High	Mod.
Springs	High	High	High	Mod.	Mod.	Mod.	High	High	Mod.
Riparian	Mod.	Mod.	High	Mod.	High	Low	None	High	Mod.
Ground-water	Mod.	Mod.	Low	Mod.	Low	Low	Mod.	Mod.	High
Watershed	Mod.	Mod.	Mod.	Low	Low	Low	Mod.	Mod.	High

Further to this point, “the U.S. Forest Service’s watershed condition classification, priority watershed designation and Watershed Restoration Action Plans are the first three steps in the agency’s Watershed Condition Framework.”<sup>9</sup> The Watershed Condition Classification Maps are the culmination of the first step and demonstrate the health of watersheds in the Cibola.<sup>10</sup> The Watershed Condition Classification scheme rates watersheds as “Functioning Properly,” “Functioning at Risk,” and “Impaired Function.”

NMDA has reviewed the 212 watersheds in the Cibola (downloaded from the USFS Watershed Condition Framework website) and has compiled the following table that summarizes the Overall Watershed Condition, Rangeland Condition, and Fire Regime Condition. Although over 75 percent of watersheds have an Overall Watershed Condition rating of “Functioning Properly,” over 78 percent of the watersheds have a Rangeland Condition rating of “Functioning at Risk.”

<sup>7</sup> United States Forest Service, Cibola National Forest, “Assessment Report of Ecological / Social / Economic Conditions, Trends, and Risks to Sustainability, Cibola National Forest Mountain Ranger Districts, Volume 1, Ecological Assessment,” Table 38, Page 138, February 2015, available at: [http://www.fs.usda.gov/detail/cibola/landmanagement/planning/?cid=fsbdev3\\_065627](http://www.fs.usda.gov/detail/cibola/landmanagement/planning/?cid=fsbdev3_065627).

<sup>8</sup> United States Forest Service, Cibola National Forest, “Assessment Report of Ecological / Social / Economic Conditions, Trends, and Risks to Sustainability, Cibola National Forest Mountain Ranger Districts, Volume 1, Ecological Assessment,” Page 139, February 2015, available at: [http://www.fs.usda.gov/detail/cibola/landmanagement/planning/?cid=fsbdev3\\_065627](http://www.fs.usda.gov/detail/cibola/landmanagement/planning/?cid=fsbdev3_065627).

<sup>9</sup> United States Forest Service. “Watershed Condition Framework.” <http://www.fs.fed.us/publications/watershed/>.

<sup>10</sup> United States Forest Service. “Watershed Condition Framework - Watershed Condition Classification Maps.” Available at: <http://www.fs.fed.us/publications/watershed/>.

Similarly, nearly 85 percent of the watersheds have a Fire Regime Condition rating as either “Functioning at Risk” or “Impaired Function.”

If the ratings for either the Rangeland Condition or the Fire Regime Condition are less than “Functioning Properly,” restoration work is needed in those watersheds. NMDA insists that polygons that are in watersheds with a rating of less than “Functioning Properly” be removed from the list of recommendations for wilderness designation in order to ensure that restoration projects can occur without restrictions. The importance of properly functioning watersheds should be of paramount concern for not only natural resource conditions but also for water production in the upper watershed areas within the forest.

Cibola National Forest Watershed Condition Class Summary						
Condition Classification	Overall Watershed Condition		Rangeland Condition		Fire Regime Condition	
	Number	Percent	Number	Percent	Number	Percent
1 = Functioning Properly	161	75.94%	45	21.23%	32	15.09%
2 = Functioning At Risk	50	23.58%	167	78.77%	82	38.68%
3 = Impaired Function	1	0.47%	0	0.00%	98	46.23%
Total Watersheds = 212						

NMDA lists the GIS features for watershed health for each applicable polygon in the “Inventoried Polygon Analysis” below. Watershed health is a dynamic and complicated issue to address; but the specific GIS features that NMDA analyzed includes constructed features such as water tanks, pipelines, water drinkers, troughs, as well as water bodies such as lakes and pit tanks. These features are listed for each applicable polygon, and NMDA requests that all polygons with these features be removed from further consideration in the Inventory to ensure that access and maintenance can be performed without the restrictions that are involved with managing areas as wilderness.

### Wildland Urban Interface

NMDA strongly opposes recommending Wildland Urban Interfaces (WUIs) for wilderness designation because doing so will negatively impact forest thinning, restoration, and other fire management strategies due to the higher access and maintenance restrictions imposed with managing areas as wilderness. New Mexico has been experiencing record drought and subsequent fires in the past several years. Inhibiting timber management and restoration work in WUIs is directly in opposition to USFS’s three-part strategy to manage wild fires, which includes ecosystem restoration, community preparedness, and wildfire response. Therefore, it is critical for USFS to take into account all resource conditions during this process as well as the reality of past management, current conditions, and elements of future potential conditions such as persistent drought.

NMDA lists the GIS features for WUIs for each applicable polygon in the “Inventoried Polygon Analysis” below. Polygons with these GIS features should be removed from further consideration in the Inventory and not be managed as wilderness.



### **Fire History**

Numerous fires have burned in the Cibola in the last 50 years. Watershed damage may still be affecting the many areas. To allow restoration work to occur in the area without the restrictions imposed by managing the area as wilderness, NMDA requests that polygons where fires have occurred be removed from further consideration in the Inventory. NMDA lists the GIS features for historical (and many recent) fires for each applicable polygon in the “Inventoried Polygon Analysis” below. Polygons with these GIS features should be removed from further consideration in the Inventory and not be managed as wilderness.

### **Private Land Inholdings**

NMDA requests that polygons with private land inholdings be removed from further consideration in the Inventory to ensure that private land owners are able to continue their land uses without restrictions due to surrounding land being recommended for wilderness designation. NMDA also requests that road maintenance be upheld in these areas. It is the USFS’ stated policy to “grant reasonable and appropriate access across National Forest System land to private inholdings and to mining claims (36 CFR 212 and 36 CFR 251, Subpart D)” consistent with the policy found in the Road and Trails Rights-Of-Way Grants in the Region 3 Forest Service Manual. In addition, wilderness designations should not be used to limit access of private landowners to their land and livelihood, particularly given concern for rural economic health in New Mexico.

### **Small Land Exclusions**

Several very small areas that appear to be the easements of roads, trails, or constructed features were removed during the first Inventory phase in several polygons. Some of these small exclusions were made by excluding “substantially noticeable” improvements as defined in Appendix A of the Process Report and in the Forest Service Handbook 1909.12, Chapter 70. NMDA is concerned that managing small areas such as these one way and managing the larger landscape in which they occupy another way is problematic. NMDA requests that the entirety of an area with substantially noticeable improvement be removed and not just the actual improvement.

Further, Appendix B of the Process Report identifies polygons that still need field verification of potentially substantially noticeable improvements. Where particular improvements are determined to be substantially noticeable, and thus removed from the Inventory, NMDA asserts that the entire area where the improvement is located be removed and not just the small linear area as was done during the first Phase of the Inventory. Again, NMDA is concerned that managing small areas such as these one way and managing the larger landscape in which they occupy another way is problematic.

NMDA lists the GIS features for these small land exclusions in the “Inventoried Polygon Analysis” below. Polygons with these GIS features should be removed from further consideration in the Inventory and not be managed as wilderness in order to secure management that is both attainable and predictable for forest users.

## Management of Surrounding Lands

Many polygons included in the Inventory are bordered by non-USFS land including lands owned by other federal agencies (National Park Service, Bureau of Land Management (BLM), etc.), state agencies (New Mexico State Land Office, etc.), and local governments. Further, several polygons are on the border of the Cibola. The management of surrounding lands that vary in ownership will likely have an adverse impact on the USFS' ability to manage inventoried areas as wilderness if bordering land owners' land use goals are different from those of the USFS.

NMDA lists the areas that may be impacted by management of surrounding lands in the "Inventoried Polygon Analysis" below. Polygons with these features should be removed from further consideration in the Inventory and not be managed as wilderness in order to secure management that is both attainable and predictable for forest users.

## Threatened and Endangered Species

"There are four federally endangered, three threatened, and two proposed species relevant to the plan area and to the planning process."<sup>11</sup> Additionally, there are 17 potential Species of Conservation Concern in the planning area.<sup>12</sup> The habitat health of these 26 species is paramount to their recovery and recommending areas for wilderness designation will inhibit restoration activities of landscapes that are vital to species health. NMDA requests that polygons where these species occur be removed from further consideration in the Inventory in order to preserve the Cibola's and the Cibola's partner agencies' ability to complete restoration work in the planning area. Further, NMDA requests that polygons where critical habitats have been designated<sup>13</sup> be removed from further consideration in the Inventory in order to preserve the Cibola's and the Cibola's partner agencies' ability to complete restoration work in the planning area (areas where critical habitat overlaps polygons are listed in the "Inventoried Polygon Analysis below).

## Invasive Species

"Invasive species have been cited as the second largest threat to endangered native species. Most noxious species in New Mexico are found on rangelands and wild lands."<sup>14</sup> Further, "Whenever the [NMDA] director becomes aware of the presence of noxious weeds on public land, he shall inform the governmental entity of the species found on land under the entity's jurisdiction. When possible and practicable, the director shall consult with the governmental entity in developing a management plan for the control of the noxious weeds."<sup>15</sup> NMDA requests to remain involved in the process of noxious weed control and eradication. To that point, noxious weeds are located

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<sup>11</sup> United States Forest Service, Cibola National Forest, "Assessment Report of Ecological / Social / Economic Conditions, Trends, and Risks to Sustainability, Cibola National Forest Mountain Ranger Districts, Volume 1, Ecological Assessment," Page 184, February 2015, available at: [http://www.fs.usda.gov/detail/cibola/landmanagement/planning/?cid=fsbdev3\\_065627](http://www.fs.usda.gov/detail/cibola/landmanagement/planning/?cid=fsbdev3_065627).

<sup>12</sup> United States Forest Service, Cibola National Forest, "Assessment Report of Ecological / Social / Economic Conditions, Trends, and Risks to Sustainability, Cibola National Forest Mountain Ranger Districts, Volume 1, Ecological Assessment," Page 208, February 2015, available at: [http://www.fs.usda.gov/detail/cibola/landmanagement/planning/?cid=fsbdev3\\_065627](http://www.fs.usda.gov/detail/cibola/landmanagement/planning/?cid=fsbdev3_065627).

<sup>13</sup> United States Fish and Wildlife Service, "Critical Habitat Portal," <http://ecos.fws.gov/crithab/>

<sup>14</sup> New Mexico Department of Agriculture. "Noxious Weed Information." <http://www.nmda.nmsu.edu/apr/noxious-weed-information/>.

<sup>15</sup> Noxious Weed Management Act – Article: 7D, 76-7D-6. Landowners; rights; agreements. Available at: <http://www.nmda.nmsu.edu/apr/noxious-weed-information/>.

within or near the polygons identified in the “Inventoried Polygon Analysis” section below according to the Cibola’s online GIS database.<sup>16</sup> Noxious weed control measures should not be inhibited due to the recommendation for wilderness designation.

The Noxious Weeds Management Act (76-7D-1-6) directs NMDA to develop a noxious weed list for the state, identify methods of control for designated species, and educate the public about noxious weeds. NMDA coordinates weed management among local, state, and federal land managers as well as private land owners. New Mexico State University maintains a list entitled “Troublesome Weeds of New Mexico,” which is available at <http://www.nmda.nmsu.edu/apr/noxious-weed-information/>. The Appendix is a table of troublesome weeds in counties that overlap and surround the Cibola (NMDA is able to provide more detailed tables upon request). The table contains the list of inventoried invasive plants on the Cibola (as described in Table 12, “Inventoried invasive plants on the Cibola National Forest,” of the Assessment) and additional weeds in the area. NMDA classifies noxious weeds into “Watch List Species,” “Class A Species,” “Class B Species,” and “Class C Species,” which are described below. NMDA requests that special management consideration be given to all the species contained in Table 1 in order to limit, and hopefully eradicate, any noxious weeds in New Mexico.

NMDA Watch List Species: Watch List species are of concern in New Mexico and have the potential to become problematic. More data are needed to determine if these species should be listed. When these species are encountered, please document their location and contact appropriate authorities.

NMDA Class A Species: Class A species are either currently not present in New Mexico or have limited distribution. However, preventing new infestations of these species and eradicating existing infestations are the highest priorities for NMDA.

NMDA Class B Species: Class B species are limited to portions of the state. In areas with severe infestations, management should be designed to contain the infestation and stop any further spread.

NMDA Class C Species: Class C species are widespread in the state. Management decisions for these species should be determined at the local level, based on feasibility of control and level of infestation.

NMDA lists the GIS features for invasive plants for each applicable polygon in the “Inventoried Polygon Analysis” below. Polygons with these GIS features should be removed from further consideration in the Inventory and not be managed as wilderness.

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<sup>16</sup> United States Forest Service, Cibola National Forest. “Cibola National Forest GIS Data.” Available at: <http://www.fs.usda.gov/detail/r3/landmanagement/gis/?cid=stelprdb5212078>.

## Inventoried Polygon Analysis

### Overview

NMDA appreciates the opportunity to provide comments on the remaining inventoried polygons. The two tables below were provided in the Cibola's Process Report and show the numbers and acreage of the inventoried areas. As is explained above in great detail and exemplified below through our analysis of each polygon, we do not support the recommendation of any stand-alone or adjacent wilderness areas. Following is a list of polygons that are still being considered for potential wilderness recommendation organized by ranger district. Where applicable and useful, we have included the GIS Object ID or some other GIS identifier in order to assist readers in finding the referenced feature in the "Polygon Analysis" section below.

District	PHASE 1: Number of Areas	PHASE 1: Acres*	PHASE 2: Number of Areas	PHASE 2: Acres*	Percent Change in Inventoried Acreage****
Stand-Alone Areas – greater than 5,000 acres					
Mount Taylor	12	113,429	5**	30,648	73% decrease
Magdalena	20	253,190	15	198,528	22% decrease
Mountainair	2	15,176	1	7,549	50% decrease
Sandia	0	0	0	0	NA
<b>Total</b>	<b>34</b>	<b>381,795</b>	<b>21</b>	<b>236,725</b>	<b>38% decrease</b>
Areas Adjacent to Existing Wilderness or Wilderness Study Areas					
Mount Taylor	0	0	2**	33,237	100% increase
Magdalena	8***	96,074	23****	94,946	1% decrease
Mountainair	8	19,852	8	15,072	24% decrease
Sandia	10	4,740	10	4,523	5% decrease
<b>Total</b>	<b>26</b>	<b>120,666</b>	<b>43</b>	<b>147,778</b>	<b>22% increase</b>
<b>TOTAL</b>	<b>60</b>	<b>502,461</b>	<b>64</b>	<b>384,503</b>	<b>23% decrease</b>

- \*All acres are approximate.
- \*\* Two areas on the Mount Taylor Ranger District were mapped as stand-alone areas in Phase 1, but were determined to be adjacent to Bureau of Land Management wilderness study areas during Phase 2. Therefore, in Phase 2, these acres were moved from the stand-alone section (top of table) to adjacent section (bottom of table).
- \*\*\* During Phase 2, one large area (D3\_ADJ8) adjacent to the Apache Kid Wilderness Area was split into multiple areas, which accounts for the increase in the number of areas from Phase 1 to Phase 2.
- \*\*\*\*Calculations added by NMDA.

District	PHASE 1 Acres Total	PHASE 2 Acres Total	Percent of Acres Remaining
Mt. Taylor	113,429	63,885	56%
Magdalena	349,264	293,474	84%
Mountainair	35,028	22,621	65%
Sandia	4,740	4,523	95%
<b>Total</b>	<b>502,461</b>	<b>384,503</b>	<b>77%</b>

## Polygon Analysis

### Mt. Taylor Ranger District

#### *Phase 2 Stand-Alone Areas (Phase 1: 12 Areas; Phase 2: 5 Areas)*

Inventory Identification Number: D2\_5K2 (5,378.3 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Invasive Species
      - (1) There are 302 acres of areas with invasive species within this polygon (which includes acreage of GIS entries connected to this polygon).
        - (a) Bull Thistle (*Cirsium vulgare*) – 36.9 Total Acres – Class C
          - (i) Site ID 030302119 – 36.9 acres
        - (b) Musk Thistle (*Carduus nutans*) – 265 Total Acres – Class B
          - (i) Site ID 030302144 – 63.4 acres
          - (ii) Site ID 030302134 – 53.0 acres
          - (iii) Site ID 030302138 – 39.1 acres
          - (iv) Site ID 030302146 – 53.0 acres
          - (v) Site ID 030302147 – 7.4 acres
          - (vi) Site ID 030302154 – 49.1 acres
      - ii) Constructed Features
        - (1) A range allotment fence (Object ID 3240) is within this polygon.
        - (2) There is a water system feature identified as a yellow tank (Object ID 938) within this polygon.
    - b) Criteria 4: Unique and outstanding qualities
      - i) Critical Habitat
        - (1) Critical habitat has been designated for the following species in all or part of this polygon.
          - (a) Mexican Spotted Owl (*Strix occidentalis lucida*)
    - c) Criteria 5: Management
      - i) Small Land Exclusions
        - (1) Numerous small land exclusions were created to exclude the following constructed features and water features in this polygon.
          - (a) Mesa Tank; Pit Tank feature type; Object ID 923
          - (b) McKenzie Tank; Unstated feature type; Object ID 924
          - (c) Blue Tank; Pit Tank feature type; Object ID 679
          - (d) Stump Tank; Pit Tank feature type; Object ID 925
        - (2) Numerous small land exclusions were created to exclude roads in this polygon.
      - ii) Grazing
        - (1) The entire polygon is within the Prewitt / 6A Grazing Allotment (Object ID 128).
      - iii) Roads and Trails
        - (1) There are eight roads of varying lengths located within this polygon.
      - iv) Fire History

- (1) The Foster Fire
  - (a) Caused by lightening, burned nearby this polygon in July 1979 at a cost of \$35,000 (FID 172). Affected 10-99 acres.
- v) Management of surrounding lands
  - (1) The northern portion of this polygon is bordered by a small section of non-USFS land. It is also very close to the border of the Cibola. Both of these factors will likely make it difficult to manage this polygon as wilderness due to the variability in management of surrounding areas.

Inventory Identification Number: D2\_5K3 (5,634.1 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Invasive Species
      - (1) There are over 250 acres of areas with invasive species within this polygon (which includes acreage of GIS entries connected to this polygon).
        - (a) Bull Thistle (*Cirsium vulgare*) – 57.8 Total Acres – Class C
          - (i) Site ID 030302303 – 57.8 acres
        - (b) Musk Thistle (*Carduus nutans*) – 156.4 Total Acres – Class B
          - (i) Site ID 030302324 – 61.9 acres
          - (ii) Site ID 030302347 – 42.9 acres
          - (iii) Site ID 030302349 – 7.4 acres
          - (iv) Site ID 030302352 – 44.2 acres
        - (c) Salt Cedar (*Tamarix ramosissima*) – 36.2 Total Acres – Class C
          - (i) Site ID 030302344 – 36.2 acres
    - b) Criteria 5: Management
      - i) Small Land Exclusions
        - (1) One small land exclusion was created to exclude a road in this polygon.
        - (2) One small land exclusion was created to exclude an unnamed intermittent lake (FID 6627) and the Ramah Pit Water Tank (Object ID 725).
      - ii) Grazing
        - (1) The entire polygon is within the Ramah Grazing Allotment (Object ID 147).
      - iii) Roads and Trails
        - (1) There are four roads with varying lengths located within this polygon: Route Number 53V (FID 2604), Route Number 53X (FID 2605), Route Number 53Y (FID 2606), and Route Number 53V (FID 6025).
      - iv) Fire History
        - (1) The Bond Fire
          - (a) Caused by lightening, burned within this polygon in July 2000 at a cost of \$68,000 (FID 208). Affected 10-99 acres.
    - v) WUI
      - (1) The Ramah WUI (Object ID 12) is within this polygon.
    - vi) Management of surrounding lands



- (1) The western and southern portions of this polygon are on the border of the Cibola. This will likely make it difficult to manage this polygon as wilderness due to the variability in management of surrounding areas.

Inventory Identification Number: D2\_5K5 (5,127.9 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Invasive Species
      - (1) There are 273 acres of areas with invasive species within this polygon (which includes acreage of GIS entries connected to this polygon).
        - (a) Salt Cedar (*Tamarix ramosissima*) – 29.5 Total Acres – Class C
          - (i) Site ID 030302247 – 29.5 acres
        - (b) Musk Thistle (*Carduus nutans*) – 218.8 Total Acres – Class B
          - (i) Site ID 030302263 – 34.3 acres
          - (ii) Site ID 030302268 – 39.9 acres
          - (iii) Site ID 030302274 – 29.5 acres
          - (iv) Site ID 030302282 – 36.2 acres
          - (v) Site ID 030302287 – 7.4 acres
          - (vi) Site ID 030302288 – 36.5 acres
          - (vii) Site ID 030302290 – 35.0 acres
        - (c) Bull Thistle (*Cirsium vulgare*) – 24.8 Total Acres – Class C
          - (i) Site ID 030302272 – 24.8 acres
    - ii) Constructed Features
      - (1) Seven range grazing allotment fence lengths run within this polygon: Object ID 3466, Object ID 3372, Object ID 3457, Object ID 3420, Object ID 3353, Object ID 3436, and Object ID 3513.
  - b) Criteria 4: Unique and outstanding qualities
    - i) Critical Habitat
      - (1) Critical habitat has been designated for the following species in all or part of this polygon.
        - (a) Mexican Spotted Owl (*Strix occidentalis lucida*)
  - c) Criteria 5: Management
    - i) Grazing
      - (1) This polygon overlaps four grazing allotments: the Cottonwood / Las Tuces Allotment (Object ID 141), the Salitre Mesa Allotment (Object ID 144), the Bluewater Allotment (Object ID 146), and the Mt. Sedgewick Allotment (Object ID 149).
    - ii) Roads and Trails
      - (1) There are over 20 roads of varying lengths within this polygon.
    - iii) WUI
      - (1) The Bluewater WUI (Object ID 9) is within this polygon.

Inventory Identification Number: D2\_5K6 (6,392.3 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Invasive Species
      - (1) There are 171.6 acres of areas with invasive species within this polygon (which includes acreage of GIS entries connected to this polygon).
        - (a) Musk Thistle (*Carduus nutans*) – 148.7 Total Acres – Class B
          - (i) Site ID 030302362 – 53.9 acres
          - (ii) Site ID 030302373 – 59.2 acres
          - (iii) Site ID 030302376 – 35.6 acres
        - (b) Bull Thistle (*Cirsium vulgare*) – 22.9 Total Acres – Class C
          - (i) Site ID 030302343 – 22.9 acres
    - ii) Constructed Features
      - (1) Four unnamed range allotment boundary and interior fence bisects this polygon: Object ID 3490, Object ID 3558, Object ID 3413, and Object ID 3313.
      - (2) Two spring well developments, the Ojo Julian Spring (Object ID 1054) and the Rock Spring (Object ID 1052), are within this polygon.
  - b) Criteria 2: Outstanding Opportunities for Solitude or Primitive or Unconfined Recreation
    - i) Opportunity for Solitude
      - (1) There is a mining/industrial facility about four miles south of the polygon. Though the facility is not within the polygon, the opportunity for solitude within the inventoried polygon may be affected by the operation of the facility.
  - c) Criteria 4: Unique and outstanding qualities
    - i) Water Bodies
      - (1) There is one unnamed perennial lake located within this polygon (FID 1461).
    - ii) Critical Habitat
      - (1) Critical habitat has been designated for the following species in all or part of this polygon.
        - (a) Mexican Spotted Owl (*Strix occidentalis lucida*)
  - d) Criteria 5: Management
    - i) Grazing
      - (1) This polygon overlaps four grazing allotments: the El Muerto Allotment (Object ID 150), the Oso Ridge Allotment (Object ID 152), the Agua Fria Allotment (Object ID 153), and a General Resource Area (Object ID 517).
    - ii) Roads
      - (1) There are over three roads within this polygon.
    - iii) Fire History
      - (1) The Sawyer Fire
        - (a) Caused by lightening, burned just within this polygon in June 1994 at a cost of \$60,000 (FID 287). Affected 10-99 acres.

Inventory Identification Number: D2\_5K8 (8,427.8 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Invasive Species
      - (1) There are 181.3 acres of areas with invasive species within this polygon (which includes acreage of GIS entries connected to this polygon).
        - (a) Musk Thistle (*Carduus nutans*) – 51.7 Total Acres – Class B
          - (i) Site ID 030302284 – 25.8 acres
          - (ii) Site ID 030302295 – 25.9 acres
        - (b) Bull Thistle (*Cirsium vulgare*) – 91.9 Total Acres – Class C
          - (i) Site ID 030302286 – 20.2 acres
          - (ii) Site ID 030302298 – 27.9 acres
          - (iii) Site ID 030302309 – 7.4 acres
          - (iv) Site ID 030302323 – 36.4 acres
        - (c) Salt Cedar (*Tamarix ramosissima*) – 37.7 Total Acres – Class C
          - (i) Site ID 030302313 – 37.7 acres
      - ii) Constructed Features
        - (1) Four unnamed range allotment boundary and interior fences bisect this polygon: Object ID 1392, Object ID 84, Object ID 504, and Object ID 512.
        - (2) Several spring well developments, the Lower Gooseberry Spring (FID 1036, FID 758, FID 1035) and the Upper Gooseberry Spring (FID 748, FID 1033, FID 1034), are within this polygon.
    - b) Criteria 4: Unique and outstanding qualities
      - i) Critical Habitat
        - (1) Critical habitat has been designated for the following species in all or part of this polygon.
          - (a) Mexican Spotted Owl (*Strix occidentalis lucida*)
    - c) Criteria 5: Management
      - i) Grazing
        - (1) This polygon overlaps three grazing allotments: the American Ranch Allotment (Object ID 138), the El Rito Allotment (Object ID 143), and the Cubero Allotment (Object ID 145).
      - ii) Roads and Trails
        - (1) There are four trails within this polygon: FID 219, FID 149, FID 150, and FID 148.
        - (2) There are three roads within this polygon: Route Numbers 501 CA, U\_LOB042, and 500 EA.
      - iii) Fire History
        - (1) The Garley Fire
          - (a) Caused by lightening, burned within this polygon in May 2006 at a cost of \$900,000 (FID 220). Affected 100-299 acres.
        - (2) The Gooseberry Fire

- (a) Caused by lightening, burned within this polygon in June 1976 at a cost of \$35,000 (FID 259). Affected 10-99 acres.
- (3) A third fire with an unknown name
  - (a) Caused by lightening, burned within this polygon in August 1972 at a cost of \$3,500. Affected 10-99 acres.
- iv) Management of surrounding lands
  - (1) The eastern portion of this polygon is bordered by a tribal land. It is also on the border of the Cibola. Both of these factors will likely make it difficult to manage this polygon as wilderness due to the variability in management of surrounding areas.

*Phase 2 Adjacent Areas (Phase 1: 0 Areas; Phase 2: 2 Areas)*

*Inventory Identification Number: D2\_ADJ2 (13,732.3 acres)*

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Invasive Species
      - (1) There are 21.6 acres of areas with invasive species within this polygon (which includes acreage of GIS entries connected to this polygon).
        - (a) Musk Thistle (*Carduus nutans*) – 21.6 Total Acres – Class B
          - (i) Site ID 03030248 – 21.6 acres
      - (2) Constructed Features
        - (a) Three range allotment boundary fences bisect this polygon: the Los Indios Range Allotment interior fence (Object ID 101), the Alesna Indios Range Allotment boundary fence (Object ID 70), and an unnamed range allotment boundary fence (Object ID 2204).
        - (b) Two spring well developments, the Los Indios Spring (Object ID 684) and the El Dado Spring (Object ID 1070), are within this polygon.
    - b) Criteria 2: Outstanding Opportunities for Solitude or Primitive or Unconfined Recreation
      - i) Opportunity for Solitude
        - (1) This polygon is about four miles southeast of a huge industrial facility. The proximity to this facility, which appears to be a mined area, may impact the ability for the Cibola to maintain an opportunity for solitude in this polygon.
    - c) Criteria 4: Unique and outstanding qualities
      - i) Water Bodies
        - (1) There is one water body located partially within this polygon: the Laguna del Cerro Rojo perennial lake (FID 5315).
        - (2) Additionally, there are three water bodies located just outside the boundary of this polygon: the Laguna de Cosme perennial lake (FID 1862), the Los Barreales intermittent lake (FID 1863), and the Laguna del Cerro perennial lake (FID 5009).
    - d) Criteria 5: Management
      - i) Grazing

- (1) This polygon overlaps two grazing allotments: the Los Indios Allotment (Object ID 125) and a General Resource Area (Object ID 517).
- ii) Roads and Trails
  - (1) There are over 30 roads of varying length within this polygon.
- iii) Management of surrounding lands
  - (1) The northern portion of this polygon is bordered by BLM land. It is also on the border of the Cibola. Both of these factors will likely make it difficult to manage this polygon as wilderness due to the variability in management of surrounding areas.

[Inventory Identification Number: D2\\_ADJ3 \(19,524.4 acres\)](#)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Invasive Species
      - (1) There are 70.8 acres of areas with invasive species within this polygon (which includes acreage of GIS entries connected to this polygon).
        - (a) Musk Thistle (*Carduus nutans*) – 36.4 Total Acres – Class B
          - (i) Site ID 03030269 – 36.4 acres
        - (b) Bull Thistle (*Cirsium vulgare*) – 34.4 Total Acres – Class C
          - (i) Site ID 03030262 – 34.4 acres
    - ii) Constructed Features
      - (1) Three range allotment boundary fences bisect this polygon.
  - b) Criteria 5: Management
    - i) Small Land Exclusions
      - (1) Numerous small land exclusions were created to exclude the following constructed features, water features, and roads in this polygon.
        - (a) The boundary of this polygon was drawn in such a way to avoid one water tank: the Piedra Blanca tank (FID 5324).
        - (b) The boundary of this polygon was drawn in such a way to avoid a water body: the Laguna Cuarenta perennial lake (FID 3046).
        - (c) The boundary of this polygon was drawn in such a way to avoid three areas of varying road lengths.
    - ii) Grazing
      - (1) This polygon overlaps three grazing allotments: the Los Indios Allotment (Object ID 125), the Guadalupe Allotment (Object ID 126), and a General Resource Area (Object ID 517).
    - iii) Roads and Trails
      - (1) There are over 30 roads of varying length within this polygon.
    - iv) Fire History
      - (1) The Boundary Fire
        - (a) Caused by lightening, burned within this polygon in July 2009 at a cost of \$12,000 (FID 255). Affected 10-99 acres.

- (2) The Redondo Fire
  - (a) Caused by lightening, burned within this polygon in May 1993 at a cost of \$20,000 (FID 269). Affected 10-99 acres.
- (3) The Valle Fire
  - (a) Caused by lightening, burned within this polygon in June 1995 at a cost of \$1,400 (284). Affected 10-99 acres.
- (4) Two unnamed fires
  - (a) Each caused by lightening, burned within this polygon in July 1972 at a cost of \$15,000 (FID 113) and in August 1994 at a cost of \$3,000 (FID 291). Affected 10-99 acres.
- v) Management of surrounding lands
  - (1) The northern and eastern portions of this polygon are bordered by BLM, state, and tribal lands. It is also on the border of the Cibola. These factors will likely make it difficult to manage this polygon as wilderness due to the variability in management of surrounding areas.

### Magdalena Ranger District

*Phase 2 Stand-Alone Areas (Phase 1: 20 Areas; Phase 2: 15 Areas)*

*Inventory Identification Number: D3\_5K1 (14,337.7 acres)*

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Constructed Features
      - (a) Two range grazing allotment fences are located within this polygon: the Muleshoe / Kelly Division Fence (Object ID 2753, Object ID 2754, and Object ID 2752) and the Baldy / Muleshoe Division Fence (Object ID 2751).
  - b) Criteria 4: Unique and outstanding qualities
    - i) Critical Habitat
      - (1) Critical habitat has been designated for the following species in all or part of this polygon.
        - (a) Mexican Spotted Owl (*Strix occidentalis lucida*)
  - c) Criteria 5: Management
    - i) Small Land Exclusions
      - (1) The boundary of this polygon was drawn in such a way to avoid three road areas.
    - ii) Grazing
      - (1) This polygon overlaps six grazing allotments: the Tip Top Allotment (Object ID 16), the Hop Canyon Allotment (Object ID 17), the Water Canyon Allotment (Object ID 19), the Kelly Allotment (Object ID 20), the Muleshoe Allotment (Object ID 21), and the Baldy Allotment (Object ID 430).
    - iii) Roads and Trails
      - (1) There are over 15 roads of varying length within this polygon.



- (2) There are five trails of various lengths within this polygon (FID 77, FID 142, FID 180, FID 187, and FID 190).
- iv) WUIs
  - (1) There are three WUIs within this polygon: the Hop Canyon WUI (Object ID 60), Water Canyon WUI (Object ID 61), and Mill Canyon WUI (Object ID 62).

Inventory Identification Number: D3\_5K3 (7,059.8 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Constructed Features
      - (1) The Water Canyon administrative cabin (Object ID 117) and toilet (Object ID 118) are within this polygon. These are certainly substantially noticeable features and should be removed from the Inventory area.
  - d) Criteria 2: Outstanding Opportunities for Solitude or Primitive or Unconfined Recreation
    - ii) Opportunity for Solitude
      - (1) There is a small industrial area within one mile of the southwestern portion of this polygon. The proximity to this facility may impact the ability of the Cibola NF to maintain an opportunity for solitude in this polygon.
  - b) Criteria 4: Unique and outstanding qualities
    - i) Water Bodies
      - (1) There is one unnamed intermittent lake located within this polygon (FID 4281).
    - ii) Critical Habitat
      - (1) Critical habitat has been designated for the following species in all or part of this polygon.
        - (a) Mexican Spotted Owl (*Strix occidentalis lucida*)
  - c) Criteria 5: Management
    - i) Small Land Exclusions
      - (1) The boundary of this polygon was drawn in such a way to avoid one road length (Route Number 185; FID 4314).
    - ii) Grazing
      - (a) This polygon overlaps two grazing allotments: the Water Canyon Allotment (Object ID 19) and the Baldy Allotment (Object ID 430).
    - iii) Roads and Trails
      - (1) There are two roads within this polygon (Route Number 222 - FID 815 and Route Number 223 - FID 816).
      - (2) There are five trails of various lengths within this polygon (Trail Number 0317 – FID 137; Trail Number 0315 – FID 139; Trail Number 0312 – FID 140; Trail Number 0313 – FID 153; and Trail Number 0314 – FID 188).
  - iv) Fire History
    - (1) The Six Mile Fire
      - (a) Caused by lightning, burned within this polygon in July 1994 at a cost of \$1,200 (FID 85). Affected 10-99 acres.

- (2) The G-6 Fire
  - (a) Caused by lightning, burned within this polygon in July 1980 (no cost provided) (FID 313). Affected 10-99 acres.
- (3) The Mesa Fire
  - (a) Caused by lightning, burned within this polygon in July 1978 at a cost of \$15,000 (284). Affected 10-99 acres.
- v) WUI
  - (1) The Water Canyon WUI (Object ID 61) is within this polygon.
- vi) Management of surrounding lands
  - (1) The eastern portion of this polygon is bordered by BLM and state lands. It is also on the border of the Cibola. These factors will likely make it difficult to manage this polygon as wilderness due to the variability in management of surrounding areas.

[Inventory Identification Number: D3\\_5K5 \(6,131.2 acres\)](#)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 5: Management
    - i) Small Land Exclusions
      - (1) There is an area at the south end of this polygon that is drawn to exclude a long, linear portion of the polygon.
    - ii) Grazing
      - (1) This polygon overlaps one grazing allotment, the Bear Mountain Allotment (Object ID 11).
    - iii) Roads and Trails
      - (1) There are over ten roads within this polygon – one of which bisects the entirety of the polygon.
    - iv) Fire History
      - (1) The Goat Fire
        - (a) Caused by lightning, burned within this polygon in June 1990 at a cost of \$3,500 (FID 314). Affected 10-99 acres.

[Inventory Identification Number: D3\\_5K6 \(8,069.5 acres\)](#)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Invasive Species
      - (1) There are at least 111.5 acres of areas with invasive species within this polygon (which includes acreage of GIS entries connected to this polygon).
        - (a) Musk Thistle (*Carduus nutans*) – 111.5 Total Acres – Class B

- (i) Site ID 030303448 – 111.5 acres
  - (b) Salt Cedar (*Tamarix ramosissima*) – Uncalculated Total Acres – Class C
    - (i) Site ID 030303456 – Uncalculated acres
- b) Criteria 5: Management
  - i) Small Land Exclusions
    - (1) The boundary of this polygon was drawn in such a way to avoid one road length (Route Number 354L – FID 3569).
  - ii) Grazing
    - (1) This polygon overlaps one grazing allotment, the Bear Mountain Allotment (Object ID 11).
  - iii) Roads and Trails
    - (1) There are two small roads within this polygon (Route Number 354LL – FID 847 and Route Number 354K – FID 3570).

Inventory Identification Number: D3\_5K7 (5,944.7 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Invasive Species
      - (1) There are 1,283.5 acres of areas with invasive species within this polygon (which includes acreage of GIS entries connected to this polygon).
        - (a) Salt Cedar (*Tamarix ramosissima*) – 1283.5 Total Acres – Class C
          - (i) Site ID 030303432 – 228.2 Acres
          - (ii) Site ID 030303434 – 399.6 Acres
          - (iii) Site ID 030303435 – 327.7 Acres
          - (iv) Site ID 030303442 – 328.0 Acres
    - ii) Constructed Features
      - (1) Four spring well developments are within this polygon: the Oak Spring (Object ID 912), the Dugout Spring (Object ID 1128), the Cottonwood Spring (Object ID 1129), and the Cement Trough Spring (Object ID 1234).
      - (2) One water drinker is within this polygon: the Fall Springs Drinker (Object ID 1371).
  - b) Criteria 5: Management
    - i) Small Land Exclusions
      - (1) The boundary of this polygon was drawn in such a way to avoid one road length (Route Number 354WA – FID 5401).
    - ii) Grazing
      - (1) This polygon overlaps four grazing allotments: the Abbe Springs Allotment (Object ID 1), the Alamo Allotment (Object ID 8), the Bear Mountain Allotment (Object ID 11), and a General Resource Area (Object ID 516).
    - iii) Roads and Trails
      - (1) There is one small road within this polygon (Route Number 354WC – FID 6205).
    - iv) Fire History

- (1) The Ryan Fire
  - (a) Caused by lightning, burned within this polygon in July 1990 at a cost of \$0 (FID 81). Affected 10-99 acres.
- (2) The E-2 Fire
  - (a) Caused by a “miscellaneous” cause, burned within this polygon in April 1986 at a cost of \$1,000 (FID 291). Affected 10-99 acres.
- (3) The Coffee Pot Fire
  - (a) Caused by lightning, burned within this polygon in June 1999 at a cost of \$0 (FID 346). Affected 10-99 acres.

Inventory Identification Number: D3\_5K7.b (5,236.2 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Invasive Species
      - (1) There are 1,583 acres of areas with invasive species within this polygon (which includes acreage of GIS entries connected to this polygon).
        - (a) Salt Cedar (*Tamarix ramosissima*) – 1,583 Total Acres – Class C
          - (i) Site ID 030303432 – 228.2 Acres
          - (ii) Site ID 030303435 – 327.7 Acres
          - (iii) Site ID 030303433 – 1027.1 Acres
  - b) Criteria 5: Management
    - i) Grazing
      - (1) This polygon overlaps three grazing allotments: the Abbe Springs Allotment (Object ID 1), the Alamo Allotment (Object ID 8), and a General Resource Area (Object ID 516).
    - ii) WUI
      - (1) The Abbe Spring WUI (Object ID 53) is within this polygon.

Inventory Identification Number: D3\_5K10 (13,785.3 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 4: Unique and outstanding qualities
    - i) Water Body
      - (1) A Stock Tank (FID 7363) is located within this polygon.
  - b) Criteria 5: Management
    - i) Small Land Exclusions
      - (1) The boundary of this polygon was drawn in such a way to avoid three road lengths: Route Number 528\*D (FID 3210), Route Number 524 (FID 3327), Route Number 525MAG (FID 3328).

- (2) The boundary of this polygon was drawn in such a way to avoid two linear areas for unknown reasons.
  - (3) The boundary of this polygon was drawn in such a way to avoid one fence gate (Object ID 544).
- ii) Grazing
  - (1) This polygon overlaps three grazing allotments: the Whitehouse Allotment (Object ID 10), the Datil Allotment (Object ID 12), and a General Resource Area (Object ID 516).
- iii) Roads and Trails
  - (1) There are 15 roads of varying length within this polygon.
- iv) Fire History
  - (1) The Government Fire
    - (a) Caused by lightning, burned within this polygon in July 2003 at a cost of \$50,000 (FID 8). Affected 100-299 acres.
  - (2) The Rincon Fire
    - (a) Caused by lightning, burned within this polygon in July 2003 at a cost of \$15,000 (FID 11). Affected 10-99 acres.
  - (3) The Main Fire
    - (a) Caused by lightning, burned within this polygon in June 2006 at a cost of \$100,000 (FID 265). Affected 10-99 acres.
  - (4) The Maverick Fire
    - (a) Caused by lightning, burned within this polygon in July 2003 at a cost of \$10,000 (FID 322 Affected 10-99 acres.
- v) Management of surrounding lands
  - (1) The eastern portion of this polygon is bordered by state land. It is also on the border of the Cibola. These factors will likely make it difficult to manage this polygon as wilderness due to the variability in management of surrounding areas.

Inventory Identification Number: D3\_5K11 (35,848.8 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Invasive Species
      - (1) There are 2,196.3 acres of areas with invasive species within this polygon (which includes acreage of GIS entries connected to this polygon).
        - (a) Salt Cedar (*Tamarix ramosissima*) – 2075.6 Total Acres – Class C
          - (i) Site ID 030303428 – 902.8 Acres
          - (ii) Site ID 030303429 – 1001.9 Acres
          - (iii) Site ID 030303430 – 170.9 Acres
        - (b) Cheatgrass (*Bromus tectorum*) – 120.7 Acres - Class C
          - (i) Site ID 030303447 – 120.7 Acres
    - ii) Constructed Features

- (1) Two buildings are located within this polygon: the Davenport Lookout (Object ID 72) and the Davenport Lookout toilet (Object ID 73).
- (2) Two communication systems are located within this polygon: Davenport Communication System (Object ID 225 and Object ID 245).
- b) Criteria 5: Management
  - i) Small Land Exclusions
    - (1) The boundary of this polygon was drawn in such a way to specifically avoid small unknown features of the landscape.
    - (2) The boundary of this polygon was drawn in such a way to avoid numerous road lengths.
  - ii) Grazing
    - (1) This polygon overlaps three grazing allotments: the Flying V Allotment (Object ID 4), the Whitehouse Allotment (Object ID 10), and a General Resource Area (Object ID 516).
  - iii) Roads and Trails
    - (1) There are over 40 roads of varying length within this polygon.
  - iv) Fire History
    - (1) The Hidden Fire
      - (a) Caused by lightning, burned within this polygon in July 2003 at a cost of \$25,000 (FID 9). Affected 10-99 acres.
    - (2) The Stiver Fire
      - (a) Caused by lightning, burned within this polygon in May 1999 at a cost of \$13,000 (FID 102). Affected 10-99 acres.
    - (3) The Davenport Fire
      - (a) Caused by lightning, burned within this polygon in June 2005 at a cost of \$300,000 (FID 190). Affected 10-99 acres.
    - (4) The Madre Fire
      - (a) Caused by lightning, burned within this polygon in July 1995 at a cost of \$16,000 (FID 320). Affected 10-99 acres.
  - v) WUI
    - (1) The Davenport 2 WUI (Object ID 54) and the White House Canyon WUI (Object ID 56) are within this polygon.
  - vi) Management of surrounding lands
    - (1) The northern portion of this polygon is bordered by state land. It is also on the border of the Cibola. These factors will likely make it difficult to manage this polygon as wilderness due to the variability in management of surrounding areas.

Inventory Identification Number: D3\_5K12 (9,866.9 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Invasive Species



- (1) There are 902.8 acres of areas with invasive species within this polygon (which includes acreage of GIS entries connected to this polygon)
    - (a) Salt Cedar (*Tamarix ramosissima*) – 902.8 Total Acres – Class C
      - (i) Site ID 030303428 – 902.8 Acres
- b) Criteria 5: Management
  - i) Small Land Exclusions
    - (1) The boundary of this polygon was drawn in a way to avoid several road lengths: Route Number 361 (FID 3247), Route Number 360 (FID 3248), Route Number 359 (FID 5359), Route Number 347 (FID 592), and Route Number 347A (FID 3261).
    - (2) The boundary of this polygon was drawn in such a way to specifically avoid small unknown features of the landscape.
  - ii) Grazing
    - (1) This polygon overlaps two grazing allotments: the Sawtooth Allotment (Object ID 9) and the Whitehouse Allotment (Object ID 10).
  - iii) Roads and Trails
    - (1) There are over 20 roads of varying length within this polygon.
  - iv) Fire History
    - (1) The Wood Fire
      - (a) Caused by lightning, burned within this polygon in June 2010 at a cost of \$17,000 (FID 66). Affected 10-99 acres.
  - v) WUI
    - (1) The Davenport 2 WUI (Object ID 54) and the White House Canyon WUI (Object ID 56) are within this polygon.
  - vi) Management of surrounding lands
    - (1) This polygon is on the border of the Cibola. This will likely make it difficult to manage this polygon as wilderness due to the variability in management of surrounding areas.

Inventory Identification Number: D3\_5K13 (8,724.6 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Constructed Features
      - (1) There are nine range allotment fence gates within this polygon: FIDs 525, 534, 535, 536, 537, 538, 539, 540, and 1239.
      - (2) There are five range allotment fence lengths within this polygon: Object IDs 485, 2726, 2727, 2729, and 2730.
      - (3) One water distribution pipeline, the North Sawtooth Pipeline (Object ID 2783) is within this polygon.
  - b) Criteria 5: Management
    - i) Small Land Exclusions

- (1) The boundary of this polygon was drawn in such a way to specifically avoid several roads.
- ii) Grazing
  - (1) This polygon overlaps three grazing allotments: the Flying V Allotment (Object ID 4), the Sawtooth Allotment (Object ID 9), and the Whitehouse Allotment (Object ID 10).
- iii) Roads and Trails
  - (1) There are nearly ten roads of varying length within this polygon.
- iv) Fire History
  - (1) One unnamed fire
    - (a) Caused by a campfire, burned within this polygon in November 1970 at a cost of \$3,500 (FID 94). Affected 10-99 acres.
- v) WUI
  - (1) The White House Canyon WUI (Object ID 56) is within this polygon.
- vi) Management of surrounding lands
  - (1) This polygon is on the border of the Cibola. This will likely make it difficult to manage this polygon as wilderness due to the variability in management of surrounding areas.

[Inventory Identification Number: D3\\_5K14 \(5,824 acres\)](#)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Constructed Features
      - (1) One small portion of the Drive Flying Division Fence (Object ID 2910) is within the polygon.
      - (2) There is a spring well development, the Slaughter Spring Well Development (Object ID 1434), and an associated tank, the Slaughter Water Storage Tank (Object ID 1435), within this polygon.
  - b) Criteria 5: Management
    - i) Small Land Exclusions
      - (1) The boundary of this polygon was drawn in such a way to avoid a road area where two roads converge: Route Number 571 (FID 765) and Route Number 62 (FID 3125).
    - ii) Grazing
      - (1) This polygon overlaps three grazing allotments: the Flying V Allotment (Object ID 4), the Rock Hill Allotment (Object ID 14), and the Whitehouse Allotment (Object ID 10).
    - iii) Roads and Trails
      - (1) There are nearly ten roads of varying length within this polygon.
    - iv) WUI
      - (1) The White House Canyon WUI (Object ID 56) is within this polygon.

Inventory Identification Number: D3\_5K15 (15,393.2 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Invasive Species
      - (1) There are 408.2 acres of areas with invasive species within this polygon (which includes acreage of GIS entries connected to this polygon).
        - (a) Cheatgrass (*Bromus tectorum*) – 408.2 Acres - Class C
        - (i) Site ID 030303450 – 408.2 Acres
    - ii) Constructed Features
      - (1) Four range allotment fence lengths run within and along this polygon: The Anderson / Pine Fence (Object ID 2737), two Rock Hill / Fly V Fences (Object ID 2738 and Object ID 2908), and the Heifer Fence (Object ID 2912).
      - (2) A fence (Object ID 2914) also encircles Hidden Spring Well Development.
      - (3) There is a spring well development, the Hidden Spring Development, within this polygon (Object ID 1427).
      - (4) There is a water storage tank, the Government Tank, within this polygon (Object ID 1428).
  - b) Criteria 4: Unique and outstanding qualities
    - i) Water Body
      - (1) An unnamed intermittent lake (FID 5253) is located within this polygon.
      - (2) Two water tanks are located within this polygon: the Tipton Tank (FID 5371) and the Johnnies Tank (FID 7458).
  - c) Criteria 5: Management
    - i) Small Land Exclusions
      - (1) The boundary of this polygon was drawn in such a way to specifically avoid three areas – two of which are roads (the third exclusion is for an unknown feature). There is a long road length just outside the northern boundary of this polygon (FID 5329) and a short road length just outside the southern boundary of this polygon (FID 6146).
    - ii) Grazing
      - (1) This polygon overlaps four grazing allotments: the Flying V Allotment (Object ID 4), the Sugarloaf Allotment (Object ID 5), the Rock Hill Allotment (Object ID 14), and a General Resource Area (Object ID 516).
    - iii) Roads and Trails
      - (1) There are nearly 50 roads of varying length within this polygon.
    - iv) Fire History
      - (1) One unnamed fire
        - (a) Caused by lightning, burned within this polygon in May 1994 at a cost of \$2,000 (FID 46). Affected 10-99 acres.
      - (2) The Turkey Park Fire
        - (a) Caused by lightning, burned within this polygon in June 2005 at a cost of \$150,000 (FID 192). Affected 10-99 acres.

- (3) The Fire #79
  - (a) Caused by equipment use, burned within this polygon in November 1975 at a cost of \$1,000 (FID 308). Affected 10-99 acres.
- (4) Two Crosby Fires
  - (a) Both caused by lightning, burned within this polygon in July 1985 (FID 350) and June 1993 (FID 351) at a cost of \$0 and \$91,300, respectively. The FID 350 affected 10-99 acres and the FID 351 fire affected 100-299 acres.
- v) WUI
  - (1) The Crosby Spring Canyon WUI (Object ID 58) and Homestead WUI (Object ID 59) are within this polygon.
- vi) Management of surrounding lands
  - (1) The eastern portion of this polygon is bordered by state land. It is also on the border of the Cibola. These factors will likely make it difficult to manage this polygon as wilderness due to the variability in management of surrounding areas.

Inventory Identification Number: D3\_5K16 (21,680.8 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Constructed Features
      - (1) One range allotment fence length run within and along this polygon: the Bear / West Red Division Fence (Object ID 2941).
  - b) Criteria 4: Unique and outstanding qualities
    - i) Critical Habitat
      - (1) Critical habitat has been designated for the following species in all or part of this polygon.
        - (a) Mexican Spotted Owl (*Strix occidentalis lucida*)
  - c) Criteria 5: Management
    - i) Small Land Exclusions
      - (1) The boundary of this polygon was drawn in such a way to specifically avoid several areas that contain roads in the middle of the polygon.
    - ii) Grazing
      - (1) This polygon overlaps five grazing allotments: the Bear Allotment (Object ID 6), the Durfee Allotment (Object ID 22), the Big Rosa Allotment (Object ID 30), the Beartrap Allotment (Object ID 55), and the West Red Allotment (Object ID 60).
    - iii) Roads and Trails
      - (1) There are over ten roads of varying length within this polygon.
      - (2) There are two trails in the northern portion of this polygon (FID 189 and FID 193).
    - iv) Fire History
      - (1) One unnamed fire
        - (a) Caused by lightning, burned within this polygon in June 1974 at a cost of \$3,500 (FID 43). Affected 10-99 acres.

- (2) The Whitewater Fire
  - (a) Caused by lightning, burned within this polygon in July 2005 at a cost of \$250,000 (FID 193). Affected 10-99 acres.
- (3) Pinnacle Fire
  - (a) Caused by lightning, burned just outside of the western boundary of this polygon in April 1994 at a cost of \$200. Affected over 5,000 acres.
- v) WUI
  - (1) The Withington WUI (Object ID 68) is just outside the northern boundary of this polygon.

[Inventory Identification Number: D3\\_5K19 \(6,940.7 acres\)](#)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 5: Management
    - i) Small Land Exclusions
      - (1) The boundary of this polygon was drawn in such a way to specifically avoid three areas that contain roads in this polygon: Route Number 942 (FID 3819), Route Number 945A (FID 3827), and Route Number 921 (FID 4707).
    - ii) Grazing
      - (1) This polygon overlaps three grazing allotments: the Nogal Allotment (Object ID 61), the Penasco Allotment (Object ID 62), and the East Monticello Allotment (Object ID 65).
    - iii) Management of surrounding lands
      - (1) This polygon is the only one that is separated from the Apache Kid Wilderness in this portion of the San Mateo Mountains. While the land that separates this polygon from the rest of existing and inventoried potential wilderness areas is within the Cibola, the differences in management will likely make it difficult to cohesively manage this area as wilderness.

[Inventory Identification Number: D3\\_Lang \(33,685.2 acres\)](#)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Constructed Features
      - (1) In addition to the range and nonrange fences listed below are also about 14 fence gates.
        - (a) Gap Forest Boundary Fence (Object ID 2746 and Object ID 2749)
        - (b) Muleshoe / Gap Division Fence (Object ID 2747)
        - (c) Gap / Sawmill Boundary Fence (Object ID 2748)
        - (d) Baldy / Muleshoe Division Fence (Object ID 2751)

- (e) Arrowhead / MS All Fence (Object ID 2757 and Object ID 2758)
    - (f) Squaw / Hill Fence (Object ID 2759)
    - (g) Deer Plot Water Lot (Object ID 2762)
  - (2) There are three pit tanks within this polygon: the Horseshoe Tank (Object ID 1266), the Deer Plot Tank (Object ID 1287), and the Gap Stock Tank (Object ID 1289).
  - (3) There are two water storage tanks within this polygon: the two Gap Water Storage Tanks (Object ID 1290 and Object ID 1370).
  - (4) There is one unclassified tank in this polygon: the Apache Stock Tank (Object ID 1383).
  - (5) There are four water troughs in this polygon: the Hardy / Deer Plot PL DR1 (Object ID 1285), the Hardy / Deer Plot PL DR3 (Object ID 1286), the Hardy / Deer Plot PL DR 4 (Object ID 1288), and the Hardy / Deer Plot PL DR 5 (Object ID 1292).
  - (6) There is one water drinker in this polygon: the Buffalo Drinker (pvt) (Object ID 1294).
  - (7) There is one water distribution pipeline in this polygon: Hardy Deer Plot PL (Object ID 2870)
- b) Criteria 4: Unique and outstanding qualities
- i) Water Body
    - (1) Three unnamed intermittent lakes are located within this polygon: FID 4312, FID 4338, and FID 6191.
    - (2) Five water tanks are located within this polygon: the Upper Tank (FID 4306), the Lower Tank (FID 4308), the Gay Water Tank (FID 4314), the Deer Plot Tank (FID 6186), and the Trick Tank (FID 6189).
  - ii) Critical Habitat
    - (1) Critical habitat has been designated for the following species in all or part of this polygon.
      - (a) Mexican Spotted Owl (*Strix occidentalis lucida*)
- c) Criteria 5: Management
- i) Small Land Exclusions
    - (1) The boundary of this polygon was drawn in such a way to specifically avoid several areas that contain roads.
  - ii) Grazing
    - (1) This polygon overlaps seven grazing allotments: the Water Canyon Allotment (Object ID 19), the Muleshoe Allotment (Object ID 21), the Sawmill Allotment (Object ID 32), the Gap Allotment (Object ID 33), the Baldy Allotment (Object ID 430), the Madera Allotment (Object ID 432), and the Ryan Hill Allotment (Object ID 433).
  - iii) Roads and Trails
    - (1) There are over 20 roads of varying length within this polygon.
    - (2) There are six trails located throughout this polygon: Trail Number 0393 (FID 128), Trail Number 0370 (FID 135), Trail Number 0317 (FID 137), Trail Number 0315 (FID 139), Trail Number 0312 (FID 140), and Trail Number 0314 (FID 188).



iv) Fire History

(1) Two unnamed fires

- (a) Both caused by lightning, burned within this polygon in May 1979 at a cost of \$35,000 (FID 93) and in July 1987 at a cost of \$2,000 (FID 96). Affected 10-99 acres.

(2) The Cable Fire

- (a) Caused by lightning, burned within this polygon in May 1989 at a cost of \$145,000 (FID 336). Affected 10-99 acres.

(3) The Coffee Pot Fire

- (a) Caused by lightning, burned within this polygon in July 1993 at a cost of \$200 (FID 347). Affected 10-99 acres.

(4) Fire #28

- (a) Caused by lightning, burned within this polygon in June 1973 at a cost of \$15,000 (FID 303). Affected 10-99 acres.

(5) Fire #83

- (a) Caused by lightning, burned within this polygon in September 1979 at a cost of \$15,000 (FID 309). Affected 10-99 acres.

(6) The Italian Fire

- (a) Caused by lightning, burned within this polygon in August 2011 at a cost of \$85,000 (FID 131). Affected 100-299 acres.

(7) The Prospects Fire

- (a) Caused by lightning, burned within this polygon in July 1994 at a cost of \$1,000. Affected 10-99 acres.

(8) The Sawmill Fire

- (a) Caused by lightning, burned within this polygon in June 2012 at a cost of \$131,900. Affected 100-299 acres.

v) WUI

- (1) The Langmuir WUI (Object ID 63) is within this polygon.

vi) Management of surrounding lands

- (1) The eastern and southern portion of this polygon is bordered by BLM and state lands. It is also on the border of the Cibola. Both of these factors will likely make it difficult to manage this polygon as wilderness due to the variability in management of surrounding areas.

*Phase 2 Adjacent Areas (Phase 1: 8 Areas; Phase 2: 23 Areas)*

*Inventory Identification Number: D3\_ADJ1 (1,236.1 acres)*

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Constructed Features
      - (1) The Big Rosa / Monica Division Fence (Object ID 2923) bisects this polygon.
  - b) Criteria 4: Unique and outstanding qualities

- i) Critical Habitat
  - (1) Critical habitat has been designated for the following species in all or part of this polygon.
    - (a) Mexican Spotted Owl (*Strix occidentalis lucida*)
- c) Criteria 5: Management
  - i) Small Land Exclusions
    - (1) The boundary of this polygon was drawn in such a way to specifically avoid the road between this polygon and D3\_ADJ1.b (Route Number 1088 – FID 2420). This polygon could have connected to D3\_ADJ1.b if it wasn't for this avoidance. Breaking the inventoried polygons into segments like this will make it difficult to manage the areas in a cohesive and predictable manner.
    - (2) The boundary of this polygon was drawn in such a way to avoid a road, Route Number 1089 (FID 2458). This particular road avoidance breaks this polygon into two smaller polygons, which will make it difficult to manage the areas in a cohesive and predictable manner.
  - ii) Grazing
    - (1) This polygon overlaps two grazing allotments: the Monica Allotment (Object ID 29) and the Big Rosa Allotment (Object ID 30).
  - iii) Fire History
    - (1) AI Fire
      - (a) Caused by lightning, burned within this polygon in August 2011 at a cost of \$15,000. This fire was classified as a "D," affecting 100-299 acres.

[Inventory Identification Number: D3\\_ADJ1.b \(123 acres\)](#)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the "Issues of Concern" section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Constructed Features
      - (1) The Boundary Tank Fence (Object ID 2926) bisects this polygon.
  - b) Criteria 4: Unique and outstanding qualities
    - i) Critical Habitat
      - (1) Critical habitat has been designated for the following species in all or part of this polygon.
        - (a) Mexican Spotted Owl (*Strix occidentalis lucida*)
- c) Criteria 5: Management
  - i) Small Land Exclusions
    - (1) The boundary of this polygon was drawn in such a way to specifically avoid the road between this polygon and D3\_ADJ1 (Route Number 1088 – FID 2420). This polygon could have connected to D3\_ADJ1 if it wasn't for this avoidance. Breaking the inventoried polygons into segments like this will make it difficult to manage the areas in a cohesive and predictable manner.
  - ii) Grazing

- (1) This polygon overlaps two grazing allotments: the Monica Allotment (Object ID 29) and the Big Rosa Allotment (Object ID 30).

Inventory Identification Number: D3\_ADJ2 (42.3 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 5: Management
    - i) Grazing
      - (1) This polygon is entirely within the Monica Grazing Allotment (Object ID 29).
    - ii) Management of surrounding lands
      - (1) This small polygon is actually two polygons about a quarter mile apart from each other. The polygons should have been considered separately. This segmentation will make it difficult to manage the areas in a cohesive and predictable manner.

Inventory Identification Number: D3\_ADJ3 (117.5)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 4: Unique and outstanding qualities
    - i) Critical Habitat
      - (1) Critical habitat has been designated for the following species in all or part of this polygon.
        - (a) Mexican Spotted Owl (*Strix occidentalis lucida*)
  - b) Criteria 5: Management
    - i) Small Land Exclusions
      - (1) The boundary of this polygon and its small breakouts of the polygons (D3\_ADJ3.b, etc.) were drawn in such a way to specifically avoid several heavily roaded areas. This obvious avoidance of roads in a huge portion of the polygon will make managing for wilderness nearly impossible.
    - ii) Grazing
      - (1) This polygon overlaps two grazing allotments: the Monica Allotment (Object ID 29) and the Beartrap Allotment (Object ID 55).
    - iii) Roads and Trails
      - (1) This polygon (as stated above) was drawn to specifically avoid including many roads; however, the roads will no doubt impact the management of this polygon due to their abutment to the polygon.
      - (2) There is a trail, Trail Number 0391 (FID 196), which bisects the eastern portion of the polygon.

Inventory Identification Number: D3\_ADJ3.b (80.8 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Constructed Features
      - (1) The Monica / Beartrap Crest Allotment Fence (Object ID 2922) runs through the majority of this polygon. The Big Rosa / Monica Division Fence (Object ID 2923) also bisects this polygon.
  - b) Criteria 4: Unique and outstanding qualities
    - i) Critical Habitat
      - (1) Critical habitat has been designated for the following species in all or part of this polygon.
        - (a) Mexican Spotted Owl (*Strix occidentalis lucida*)
  - c) Criteria 5: Management
    - i) Grazing
      - (1) This polygon overlaps three grazing allotments: the Monica Allotment (Object ID 29), the Big Rosa Allotment (Object ID 30), and the Beartrap Allotment (Object ID 55).
    - ii) Roads and Trails
      - (1) This polygon was drawn to specifically avoid including roads on the southern and western boundaries; however, the roads will no doubt impact the management of this polygon due to their abutment to the polygon.
      - (2) There is a trail, Trail Number 0391 (FID 196), which bisects the middle of the polygon.
    - iii) WUI
      - (1) The Withington WUI (Object ID 68) slightly overlaps a part of the southern portion of the polygon.

Inventory Identification Number: D3\_ADJ3.c (56.7 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 4: Unique and outstanding qualities
    - i) Critical Habitat
      - (1) Critical habitat has been designated for the following species in all or part of this polygon.
        - (a) Mexican Spotted Owl (*Strix occidentalis lucida*)
  - b) Criteria 5: Management
    - i) Grazing
      - (1) This polygon is entirely within the Big Rosa Grazing Allotment (Object ID 30).
    - ii) Roads and Trails

- (1) This polygon was drawn to specifically avoid including roads around nearly the entire boundary; however, the roads will no doubt impact the management of this polygon due to their abutment to the polygon.
- (2) There is a trail, Trail Number 0336 (FID 164), which runs through the eastern portion of the polygon.

[Inventory Identification Number: D3\\_ADJ3.d \(54.8 acres\)](#)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 4: Unique and outstanding qualities
    - i) Critical Habitat
      - (1) Critical habitat has been designated for the following species in all or part of this polygon.
        - (a) Mexican Spotted Owl (*Strix occidentalis lucida*)
  - b) Criteria 5: Management
    - i) Grazing
      - (1) This polygon overlaps two grazing allotments: the Big Rosa Allotment (Object ID 30) and the Beartrap Allotment (Object ID 55).
    - ii) Roads and Trails
      - (1) This polygon was drawn to specifically avoid including roads on the western portion; however, the roads will no doubt impact the management of this polygon due to their abutment to the polygon.
      - (2) There is a trail, Trail Number 0337 (FID 194), which bisects the southern portion of the polygon.

[Inventory Identification Number: D3\\_ADJ3.f \(20.4 acres\)](#)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 4: Unique and outstanding qualities
    - i) Critical Habitat
      - (1) Critical habitat has been designated for the following species in all or part of this polygon.
        - (a) Mexican Spotted Owl (*Strix occidentalis lucida*)
  - b) Criteria 5: Management
    - i) Grazing
      - (1) This polygon overlaps two grazing allotments: the Big Rosa Allotment (Object ID 30) and the Beartrap Allotment (Object ID 55).
    - ii) Roads and Trails

- (1) This polygon was drawn to specifically avoid including roads around nearly the entire boundary; however, the roads will no doubt impact the management of this polygon due to their abutment to the polygon.
- (2) There is a trail, Trail Number 0338 (FID 191), which bisects the southern portion of the polygon.

iii) WUI

- (1) This polygon was drawn in such a way to specially avoid overlapping the Withington WUI (Object ID 68). The delineation of this polygon will not have a bearing on the reach of restoration work, and access needed for the WUI and the polygon is likely to still be affected by the WUI area.

Inventory Identification Number: D3\_ADJ3.g (13.4 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 4: Unique and outstanding qualities
    - i) Critical Habitat
      - (1) Critical habitat has been designated for the following species in all or part of this polygon.
        - (a) Mexican Spotted Owl (*Strix occidentalis lucida*)
    - b) Criteria 5: Management
      - i) Grazing
        - (1) This polygon overlaps three grazing allotments: the Bear Allotment (Object ID 6), the Big Rosa Allotment (Object ID 30), and the Beartrap Allotment (Object ID 55).
      - ii) Roads and Trails
        - (1) This polygon was drawn to specifically avoid roads around nearly the entire northern, western, and southern boundaries; however, the roads will no doubt impact the management of this polygon due to their abutment to the polygon.

Inventory Identification Number: D3\_ADJ3.h (6.3 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 4: Unique and outstanding qualities
    - i) Critical Habitat
      - (1) Critical habitat has been designated for the following species in all or part of this polygon.
        - (a) Mexican Spotted Owl (*Strix occidentalis lucida*)
    - b) Criteria 5: Management
      - i) Grazing

- (1) This polygon overlaps two grazing allotments: the Big Rosa Allotment (Object ID 30) and the Beartrap Allotment (Object ID 55).
- ii) Roads and Trails
  - (1) This polygon was drawn to specifically avoid a road along the western boundary; however, the roads will no doubt impact the management of this polygon due to their abutment to the polygon.

[Inventory Identification Number: D3\\_ADJ3.i \(4.9 acres\)](#)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 4: Unique and outstanding qualities
    - i) Critical Habitat
      - (1) Critical habitat has been designated for the following species in all or part of this polygon.
        - (a) Mexican Spotted Owl (*Strix occidentalis lucida*)
  - b) Criteria 5: Management
    - i) Grazing
      - (1) This polygon overlaps two grazing allotment: the Big Rosa Allotment (Object ID 30) and the Beartrap Allotment (Object ID 55).
    - ii) Roads and Trails
      - (1) This polygon was drawn to specifically avoid along the western and northern boundary; however, the roads will no doubt impact the management of this polygon due to their abutment to the polygon.

[Inventory Identification Number: D3\\_ADJ4 \(1,138.1 acres\)](#)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 4: Unique and outstanding qualities
    - i) Waterbody
      - (1) The Road Tank (FID 6192) is within this polygon.
  - b) Criteria 5: Management
    - i) Small Land Exclusions
      - (1) This polygon was drawn to specifically avoid four roads along the eastern and northern boundary: Route Number 1086 (FID 888), Route Number 1085 (FID 2466), Route Number 52G (FID 5177), and Route Number 1082 (FID 5986).
    - ii) Grazing
      - (1) This polygon is entirely within the Big Rosa Grazing Allotment (Object ID 30).
    - iii) Roads and Trails
      - (1) There are about six roads of varying lengths within the polygon: Route Number 52GA (FID 2417), Route Number 52FB (FID 2454), Route Number 52FD (FID



2533), Route Number 52C (FID 2534), Route Number 52F (FID 4428), and Route Number 52FA (FID 4436).

[Inventory Identification Number: D3\\_ADJ5 \(148.1 acres\)](#)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 5: Management
    - i) Small Land Exclusions
      - (1) This polygon was drawn to specifically avoid several roads along the eastern and northern boundary; however, the roads will no doubt impact the management.
    - ii) Grazing
      - (1) This polygon is entirely within the Big Rosa Grazing Allotment (Object ID 30).

[Inventory Identification Number: D3\\_ADJ6 \(114.3 acres\)](#)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 4: Unique and outstanding qualities
    - i) Critical Habitat
      - (1) Critical habitat has been designated for the following species in all or part of this polygon.
        - (a) Mexican Spotted Owl (*Strix occidentalis lucida*)
  - b) Criteria 5: Management
    - i) Small Land Exclusions
      - (1) This polygon was drawn to specifically avoid several roads along the eastern and northern boundary; however, the roads will no doubt impact the management.
    - ii) Grazing
      - (1) This polygon is entirely within the Big Rosa Grazing Allotment (Object ID 30).
    - iii) Roads and Trails
      - (1) There is a trail, Trail Number 0338 (FID 191), which bisects the northern most part of this polygon.
    - iv) Management of surrounding lands
      - (1) This polygon is actually four small polygons, which should have been provided as separate polygons to analyze. The northern most portion of the polygon is divided by a road from the next portion of the polygon and there are separate boundaries drawn for these two areas so as not to include the bisecting road. This segmentation will make it difficult to manage the areas in a cohesive and predictable manner.

Inventory Identification Number: D3\_ADJ7 (10,093.4 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 4: Unique and outstanding qualities
    - i) Critical Habitat
      - (1) Critical habitat has been designated for the following species in all or part of this polygon.
        - (a) Mexican Spotted Owl (*Strix occidentalis lucida*)
  - b) Criteria 5: Management
    - i) Small Land Exclusions
      - (1) This polygon was drawn to specifically avoid three road areas: Route Number 1068 (FID 3753), Route Number 1054 (FID 4671), and Route Number 1052 (FID 6279).
      - (2) This polygon was drawn to specifically avoid the Big Rosa Tank (FID 2765).
    - ii) Grazing
      - (1) This polygon overlaps three grazing allotments: the Bear Allotment (Object ID 6), the Big Rosa Allotment (Object ID 30), and the Horse Mountain Allotment (Object ID 56).
    - iii) Roads and Trails
      - (1) There are two trails within this polygon: Trail Number 0336 (FID 164) and Trail Number 0392 (FID 186).
    - iv) Fire History
      - (1) Chaves Fire
        - (a) Caused by lightning, burned within this polygon in June 2002 at a cost of \$10,000. Affected 10-99 acres.
    - v) Management of surrounding lands
      - (1) The eastern portion of this polygon is bordered by state land. It is also on the border of the Cibola. These factors will likely make it difficult to manage this polygon as wilderness due to the variability in management of surrounding areas.

Inventory Identification Number: D3\_ADJ8 (33,044.1 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Constructed Features
      - (1) Four allotment boundary fences, the West Red / Ojo Cal Boundary Fence (Object ID 2932), the Bear / West Red Division Fence (Object ID 2941), the West Red Horse Mnt. Fence (Object ID 2943), and Fence 10 (Object ID 2950) are within this polygon.

- (2) The Red Johns Windmill Wood Tower and Well (Object ID 1498) is within this polygon.
  - (3) The Red Johns Corral (Object ID 1497) is within this polygon.
  - (4) The Pot Hole Spring Well Development (Object ID 1499) is within this polygon.
- b) Criteria 4: Unique and outstanding qualities
  - i) Critical Habitat
    - (1) Critical habitat has been designated for the following species in all or part of this polygon.
      - (a) Mexican Spotted Owl (*Strix occidentalis lucida*)
- c) Criteria 5: Management
  - i) Small Land Exclusions
    - (1) This polygon was drawn to specifically avoid several roads along the entirety of the boundary; however, the roads will no doubt impact the management.
  - ii) Grazing
    - (1) This polygon overlaps six grazing allotments: the Bear Allotment (Object ID 6), the Big Rosa Allotment (Object ID 30), the Horse Mountain Allotment (Object ID 56), the Deep Canyon Allotment (Object ID 58), the West Red Allotment (Object ID 60), and the Ojo Caliente Allotment (Object ID 284).
  - iii) Roads and Trails
    - (1) There are four trails of varying lengths within this polygon: Trail Number 0343 (FID 96), Trail Number 0331 (FID 133), Trail Number 0363 (FID 134), and Trail Number 0369 (FID 179).
  - iv) Fire History
    - (1) Pot Fire (within this polygon)
      - (a) Caused by lightning, burned within this polygon in June 1994 at a cost of \$380,000. Affected over 5,000 acres.
    - (2) Box Fire
      - (a) Caused by lightning, burned within this polygon in June 1999 at a cost of \$59,000. Affected between 10-99 acres.
    - (3) Cowboy Fire
      - (a) Caused by lightning, burned within this polygon in November 2001 at a cost of \$2,000. Affected between 10-99 acres.
    - (4) Indian Creek Fire
      - (a) Caused by lightning, burned within this polygon in July 2000 at a cost of \$4,000. Affected between 10-99 acres.
    - (5) Red Fire
      - (a) Caused by lightning, burned within this polygon in May 2005 at a cost of \$200,000. Affected between 10-99 acres.
    - (6) Rosedale Fire 1
      - (a) Caused by lightning, burned within this polygon in July 1997 at a cost of \$60,000. Affected between 10-99 acres.
    - (7) Tool Fire
      - (a) Caused by lightning, burned within this polygon in September 2003 at a cost of \$250,000. Affected between 10-99 acres.
    - (8) A-2 Fire

- (a) Caused by lightning, burned within this polygon in June 1993 at a cost of \$9,800. Affected between 300-999 acres.
- (9) Box Draw Fire
  - (a) Caused by lightning, burned within this polygon in May 1993 at a cost of \$4,000. Affected between 10-99 acres.
- (10) Rosedale Fire 2
  - (a) Caused by lightning, burned within this polygon in June 2011 at a cost of \$345,718. Affected between 100-299 acres.
- v) Management of surrounding lands
  - (1) A small eastern portion of this polygon is on the border of the Cibola. This will likely make it difficult to manage this polygon as wilderness due to the variability in management of surrounding areas.

Inventory Identification Number: D3\_ADJ8.b (22,467.2 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 4: Unique and outstanding qualities
    - i) Waterbodies
      - (1) There are three waterbodies within this polygon: the Cedar Tank (FID 1922), the Deer Tank (FID 4075), and the Ocotillo Tank (FID 5397).
    - ii) Critical Habitat
      - (1) Critical habitat has been designated for the following species in all or part of this polygon.
        - (a) Mexican Spotted Owl (*Strix occidentalis lucida*)
  - b) Criteria 5: Management
    - i) Small Land Exclusions
      - (1) This polygon was drawn to specifically avoid several roads along almost the entirety of the boundary; however, the roads will no doubt impact the management.
    - ii) Grazing
      - (1) This polygon overlaps four grazing allotments: the Horse Mountain Allotment (Object ID 56), the Deep Canyon Allotment (Object ID 58), the Nogal Allotment (Object ID 61), and the San Juan Allotment (Object ID 275).
    - iii) Roads and Trails
      - (1) Two roads of varying lengths are within this polygon: Route Number 986B (FID 3805 and Route Number 986C (FID 4680). However, as stated above, the polygon is surrounded – just outside of the boundaries – by roads.
      - (2) There are four trails of varying lengths within this polygon: Trail Number 0346 (FID 79), Trail Number 0387 (FID 81), Trail Number 0381 (FID 131), and Trail Number 0328 (FID 178).
    - iv) Fire History
      - (1) Cigarette Fire

- (a) Caused by lightning, burned within this polygon in June 2002 at a cost of \$70,000. Affected between 100-299 acres.
- (2) Gorge Fire
  - (a) Caused by lightning, burned within this polygon in May 2000 at a cost of \$200,000. Affected between 300-999 acres.
- (3) Milligan Fire
  - (a) Caused by lightning, burned within this polygon in June 1995 at a cost of \$5,000. Affected between 1,000-4,999 acres.
- (4) Pine Fire
  - (a) Caused by lightning, burned within this polygon in September 2000 at a cost of \$2,000. Affected between 10-99 acres.
- (5) San Juan Fire
  - (a) Caused by lightning, burned within this polygon in May 2000 at a cost of \$40,000. Affected between 10-99 acres.
- (6) Wasp Fire
  - (a) Caused by lightning, burned within this polygon in October 2007 at a cost of \$2,500. Affected between 10-99 acres.
- (7) Basin Fire
  - (a) Caused by lightning, burned within this polygon in June 1981 at an unreported cost. Affected between 10-99 acres.
- (8) Deep Fire
  - (a) Caused by lightning, burned within this polygon in June 1977 at a cost of \$35,000. Affected between 10-99 acres.

Inventory Identification Number: D3\_ADJ8.c (12,724.6 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Invasive Species
      - (1) There are 338.8 acres of areas with invasive species within this polygon (which includes acreage of GIS entries connected to this polygon).
        - (a) Salt Cedar (*Tamarix ramosissima*) – 338.8 Total Acres – Class C
          - (i) Site ID 030303452 – 338.8 acres
    - ii) Constructed Features
      - (1) The Ojo Cal / San Mateo Allotment Boundary Fence bisects this polygon (Object ID 2934).
      - (2) The Cooks Corral (Object ID 1484) is within this polygon.
      - (3) The Cooks Cabin (Object ID 1483) is within this polygon
      - (4) Three pit tanks are within this polygon: the Whitetail Tank (Object ID 1481), The Lower Holdup Tank (Object ID 1485), and the Upper Holdup Tank (Object ID 1486).
  - b) Criteria 4: Unique and outstanding qualities
    - i) Critical Habitat

- (1) Critical habitat has been designated for the following species in all or part of this polygon.
    - (a) Mexican Spotted Owl (*Strix occidentalis lucida*)
- c) Criteria 5: Management
  - i) Small Land Exclusions
    - (1) This polygon was drawn to specifically avoid several roads along almost the entirety of the boundary; however, the roads will no doubt impact the management.
  - ii) Grazing
    - (1) This polygon overlaps three grazing allotments: the San Mateo Allotment (Object ID 63), the West Monticello Allotment (Object ID 64), and the Ojo Caliente Allotment (Object ID 284).
  - iii) Roads and Trails
    - (1) Three trails of varying lengths are within this polygon: Trail Number 0368 (FID 76), Trail Number 0345 (FID 152), Trail Number 0350 (FID 155).
  - iv) Fire History
    - (1) Blue Mountain Fire
      - (a) Caused by lightning, burned within this polygon in May 2003 at a cost of \$50,000. Affected between 10-99 acres.
    - (2) Pot Fire
      - (a) Caused by lightning, burned within this polygon in June 1994 at a cost of \$380,000. Affected over 5,000 acres.
    - (3) Cook Fire
      - (a) Caused by lightning, burned within this polygon in June 1996 at a cost of \$195,000. Affected between 10-99 acres.
    - (4) Mateo Fire
      - (a) Caused by lightning, burned within this polygon in June 2000 at a cost of \$15,000. Affected between 10-99 acres.
    - (5) Wildhorse Fire
      - (a) Caused by lightning, burned within this polygon in July 1997 at a cost of \$40,000. Affected between 300-999 acres.
    - (6) Holdup Fire
      - (a) Caused by lightning, burned within this polygon in August 2012 at a cost of \$29,134. Affected between 100-299 acres.
    - (7) Unknown fire
      - (a) Caused by lightning, burned within this polygon in July 1971 at a cost of \$15,000. Affected over 10-99 acres.

Inventory Identification Number: D3\_ADJ8.d (5,895.4 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Invasive Species

- (1) There are 273.2 acres of areas with invasive species within this polygon (which includes acreage of GIS entries connected to this polygon).
    - (a) Salt Cedar (*Tamarix ramosissima*) – 273.2 Total Acres – Class C
      - (i) Site ID 030303453 – 162 acres
      - (ii) Site ID 030303454 – 111.2 acres
- b) Criteria 4: Unique and outstanding qualities
  - i) Waterbodies
    - (1) There is one waterbody within this polygon, the Alamo Tank (FID 7580).
  - ii) Critical Habitat
    - (1) Critical habitat has been designated for the following species in all or part of this polygon.
      - (a) Mexican Spotted Owl (*Strix occidentalis lucida*)
- c) Criteria 5: Management
  - i) Grazing
    - (1) This polygon overlaps four grazing allotments: the Penasco Allotment (Object ID 62), the San Mateo Allotment (Object ID 63), the West Monticello Allotment (Object ID 64), and the East Monticello Allotment (Object ID 65).
  - ii) Fire History
    - (1) Fire #45
      - (a) Caused by lightning, burned within this polygon in June 1970 at a cost of \$15,000. Affected between 10-99 acres.

Inventory Identification Number: D3\_ADJ8.e (3,814.5 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 4: Unique and outstanding qualities
    - i) Critical Habitat
      - (1) Critical habitat has been designated for the following species in all or part of this polygon.
        - (a) Mexican Spotted Owl (*Strix occidentalis lucida*)
  - b) Criteria 5: Management
    - i) Small Land Exclusions
      - (1) This polygon was drawn to specifically avoid several roads along almost the entirety of the boundary; however, the roads will no doubt impact the management.
    - ii) Grazing
      - (1) This polygon is entirely within the Nogal Grazing Allotment (Object ID 61).
    - iii) Roads and Trails
      - (1) Two trails of varying lengths are within this polygon: Trail Number 0342 (FID 96) and Trail Number 0348 (FID 251).
    - iv) Management of surrounding lands
      - (1) The western boundary of this polygon was drawn in such a way to specifically avoid the road between this polygon and D3\_ADJ8r (Route Number 225Y – FID



3837). This polygon could have connected to D3\_ADJ8r if it wasn't for this avoidance. Breaking the inventoried polygons into segments like this will make it difficult to manage the areas in a cohesive and predictable manner.

[Inventory Identification Number: D3\\_ADJ8.r \(181.2 acres\)](#)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the "Issues of Concern" section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 4: Unique and outstanding qualities
    - i) Critical Habitat
      - (1) Critical habitat has been designated for the following species in all or part of this polygon.
        - (a) Mexican Spotted Owl (*Strix occidentalis lucida*)
    - b) Criteria 5: Management
      - i) Small Land Exclusions
        - (1) This polygon was drawn to specifically avoid one road: Route Number 225X (FID 3824).
      - ii) Grazing
        - (1) This polygon overlaps two grazing allotments: the Nogal Allotment (Object ID 61) and the Penasco Allotment (Object ID 62).
      - iii) Management of surrounding lands
        - (1) The western boundary of this polygon was drawn in such a way to specifically avoid the road between this polygon and D3\_ADJ8e (Route Number 225Y – FID 3837). This polygon could have connected to D3\_ADJ8e if it wasn't for this avoidance. Breaking the inventoried polygons into segments like this will make it difficult to manage the areas in a cohesive and predictable manner.

[Inventory Identification Number: D3\\_ADJ9 \(898.4 acres\)](#)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the "Issues of Concern" section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Invasive Species
      - (1) There are 500.1 acres of areas with invasive species within this polygon (which includes acreage of GIS entries connected to this polygon).
        - (a) Salt Cedar (*Tamarix ramosissima*) – 500.1 Total Acres – Class C
          - (i) Site ID 030303439 – 32.1 acres
          - (ii) Site ID 030303440 – 17.7 acres
          - (iii) Site ID 030303441 – 122.3 acres
          - (iv) Site ID 030303442 – 328 acres
    - b) Criteria 5: Management
      - i) Grazing

- (1) This polygon is entirely within the Alamo Grazing Allotment (Object ID 8).
- ii) Management of surrounding lands
  - (1) The northern and eastern portion of this polygon is bordered by BLM land. It is also on the border of the Cibola. These factors will likely make it difficult to manage this polygon as wilderness due to the variability in management of surrounding areas.

Inventory Identification Number: D3\_ADJ10 (640.5 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Invasive Species
      - (1) There are an unreported number of acres of areas with invasive species in this polygon.
        - (a) Salt Cedar (*Tamarix ramosissima*) – Unreported Total Acres – Class C
          - (i) Site ID 030303457 – unreported acres
          - (ii) Site ID 030303459 – unreported acres
  - b) Criteria 5: Management
    - i) Small Land Exclusions
      - (1) This polygon was drawn to specifically avoid a road and several constructed features along northern portion of the boundary; however, the roads will no doubt impact the management.
    - ii) Grazing
      - (1) This polygon overlaps two grazing allotments: the Alamo Allotment (Object ID 8) and the Bear Mountain Allotment (Object ID 11).
    - iii) Roads and Trails
      - (1) Two roads of varying lengths are within this polygon: Route Number 354UB (FID 3538) and Route Number 354UC (FID 5416).
    - iv) Management of surrounding lands
      - (1) The eastern portion of this polygon is bordered by BLM land. It is also on the border of the Cibola. These factors will likely make it difficult to manage this polygon as wilderness due to the variability in management of surrounding areas.

Mountainair Ranger District

Phase 2 Stand-Alone Areas (Phase 1: 2 Areas; Phase 2: 1 Area)

Inventory Identification Number: D4\_5K2 (7,549.3 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness

- i) Constructed Features
  - (1) Four fences are within this polygon: the South Canyon Range Allotment Fence (Object ID 661), the Pinatosa Range Allotment Fence (Object ID 662), the Pinatosa High Drift Fence (Object ID 687), and the Iron Mine Drift Fence (Object ID 758).
  - (2) Two dirt tanks are within this polygon: the Bryan Tank (Object ID 1092) and the Pinatosa Earth Tank (Object ID 1381).
  - (3) Two wildlife tanks are within this polygon: The South Saddle Wildlife Tank (Object ID 1183) and the South Mountain Wildlife Tank (Object ID 1185).
  - (4) One storage tank is associated with the High Country Well (Object ID 1298).
  - (5) One well is within this polygon, the High Country Well (Object ID 1358)
  - (6) One water trough is within this polygon, the High Country Drinker (Object ID 1359).
- b) Criteria 2: Outstanding Opportunities for Solitude or Primitive or Unconfined Recreation
  - i) Opportunity for Solitude
    - (1) There is an industrial facility (appears to be a rock mine) about a half mile south of this polygon. The proximity to this facility may impact the ability of the Cibola to maintain an opportunity for solitude in this polygon.
- c) Criteria 5: Management
  - i) Small Land Exclusions
    - (1) This polygon was drawn to specifically avoid several roads along almost the entirety of the boundary; however, the roads will no doubt impact the management.
  - ii) Grazing
    - (1) This polygon overlaps four grazing allotments: the Bonito Allotment (Object ID 119), the Antelope Allotment (Object ID 121), and two General Resource Areas (Object IDs 518 and 519).
  - iii) Roads and Trails
    - (1) Over 20 roads of varying lengths are within this polygon.
  - iv) Fire History
    - (1) Pintosa Fire 1
      - (a) Caused by a campfire, burned within this polygon in April 2001 at a cost of \$210,000. Affected between 1000 - 4999 acres.
    - (2) Pintosa Fire 2
      - (a) Caused by a “miscellaneous” cause, burned within this polygon in March 1996 at a cost of \$574,000. Affected over 5,000 acres.
    - (3) Pino Fire
      - (a) Caused by lightning, burned within this polygon in May 1989 at a cost of \$6,600. Affected between 10-99 acres.
    - (4) Unknown fire
      - (a) Caused by lightning, burned within this polygon in November 1970 at a cost of \$300. Affected between 10-99 acres.

*Phase 2 Adjacent Areas (Phase 1: 8 Areas; Phase 2: 8 Areas)*

Inventory Identification Number: D4\_ADJ1 (363.9 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 5: Management
    - i) General Comment
      - (1) This small polygon is actually two polygons that should have been considered separately.
    - ii) Small Land Exclusions
      - (1) This polygon was drawn to specifically avoid a road along the western portion of the boundary of the northern polygon (Route Number 171A – FID 1720). However, the roads will no doubt impact the management.
    - iii) Grazing
      - (1) This polygon is entirely within the Encino Grazing Allotment (Object ID 285).
    - iv) Roads and Trails
      - (1) One trail runs between the two portions of this polygon: Trail Number 04171 (FID 132).
    - v) Management of surrounding lands
      - (1) The northern portion of this polygon is bordered by tribal land. It is also on the border of the Cibola. These factors will likely make it difficult to manage this polygon as wilderness due to the variability in management of surrounding areas.

Inventory Identification Number: D4\_ADJ2 (353.5 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 2: Outstanding Opportunities for Solitude or Primitive or Unconfined Recreation
    - i) Opportunity for Solitude
      - (1) This polygon is directly east of a large network of roads. The proximity to this network may impact the ability of the Cibola to maintain an opportunity for solitude in this polygon.
  - b) Criteria 5: Management
    - i) General Comment
      - (1) This small polygon is actually two polygons that should have been considered separately.
    - ii) Small Land Exclusions
      - (1) This polygon was drawn to specifically avoid two roads (Route Number 35A – FID 1722 and Route Number 35 – FID 1723) and three constructed features (Object ID 1142, Object ID 1388, and Object ID 1389) that separates the two portions of this polygon; however, the roads will no doubt impact the management. Breaking the inventoried polygons into segments like this will make it difficult to manage the areas in a cohesive and predictable manner.

- iii) Grazing
  - (1) This entire polygon is within the Monte Largo / Commanche Grazing Allotment (Object ID 59).
- iv) Management of surrounding lands
  - (1) This polygon is on the border of the Cibola. This will likely make it difficult to manage this polygon as wilderness due to the variability in management of surrounding areas.

Inventory Identification Number: D4\_ADJ3 (325.1 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Constructed Features
      - (1) Two range allotment fences are located within this polygon: the La Casa Fence (Object ID 545) and the Horse Pasture Fence (Object ID 546).
  - b) Criteria 5: Management
    - i) Grazing
      - (1) This polygon is entirely within the Monte Largo / Commanche Grazing Allotment (Object ID 59).
    - ii) Roads and Trails
      - (1) One trail runs through the southern portion of this polygon: Trail Number 04182 (FID 172).
    - iii) Management of surrounding lands
      - (1) This polygon is on the border of the Cibola. This will likely make it difficult to manage this polygon as wilderness due to the variability in management of surrounding areas.

Inventory Identification Number: D4\_ADJ4 (5,733.9 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Invasive Species
      - (1) There are 481.4 acres of areas with invasive species within this polygon (which includes acreage of GIS entries connected to this polygon).
        - (a) Cheatgrass (*Bromus tectorum*) – 481.4 Total Acres – Class C
          - (i) Site ID 030304416 – 236.4 acres
          - (ii) Site ID 030304418 – 245.0 acres
    - ii) Constructed Features
      - (1) Two gates are located within this polygon (Object ID 497 and Object ID 498).

- (2) Three range allotment fences are located within this polygon: the Torreon Encino Fence (Object ID 551), Encino Tajique Fence (Object ID 555), and an unnamed fence (Object ID 2170).
  - (3) Three spring well developments are located within this polygon: the Upper 4 July Spring (Object ID 1127), Diablo Spring (Object ID 1140), and Upper Aspen Spring (Object ID 1146).
- b) Criteria 4: Unique and outstanding qualities
  - i) Critical Habitat
    - (1) Critical habitat has been designated for the following species directly west of this polygon:
      - (a) Mexican Spotted Owl (*Strix occidentalis lucida*)
- c) Criteria 5: Management
  - i) Small Land Exclusions
    - (1) This polygon was drawn to specifically avoid roads and the Bosquesito Spring Well Development on the eastern boundary of the polygon.
  - ii) Grazing
    - (1) This polygon overlaps five grazing allotments: the Monte Largo / Commanche Allotment (Object ID 59), the Tajique Allotment (Object ID 68), the Gross Kelly Allotment (Object ID 71), the Encino Allotment (Object ID 285), and the Torreon Allotment (Object ID 286).
  - iii) Roads and Trails
    - (1) Fifteen roads of varying lengths are located within this polygon.
    - (2) Eight trails of varying lengths are located within this polygon.
  - iv) Fire History
    - (1) Trigo Fire
      - (a) Caused by a campfire, burned within this polygon in April 2008 at a cost of \$109,788. This fire was classified as a “G,” affecting over 5,000 acres.
  - v) WUI
    - (1) Three WUIs are within this polygon: the Tajique WUI (Object ID 45), the Electronic Site WUI (Object ID 49), and the Anderson WUI (Object ID 50).

Inventory Identification Number: D4\_ADJ5 (7,120.6 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Constructed Features
      - (1) The Cottonwood Spring Well Development is within this polygon (Object ID 1165).
      - (2) The Priester Canyon Distribution Pipeline is within this polygon (Object ID 2798).
  - b) Criteria 4: Unique and outstanding qualities
    - i) Critical Habitat

- (1) Critical habitat has been designated for the following species within all or part of this polygon:
    - (a) Mexican Spotted Owl (*Strix occidentalis lucida*)
- c) Criteria 5: Management
  - i) Small Land Exclusions
    - (1) This polygon was drawn in such a way to avoid several roads along the eastern boundary of the polygon.
  - ii) Grazing
    - (1) This polygon overlaps two grazing allotments: the Grass Kelly Allotment (Object ID 342) and the Upper Priest Allotment (Object ID 344).
  - iii) Roads and Trails
    - (1) There are over ten roads of varying lengths within this polygon.
    - (2) There are eight trails of varying lengths within this polygon.
  - iv) Fire History
    - (1) Capilla Fire
      - (a) Caused by lightning, burned within this polygon in April 1996 at a cost of \$75,000. Affected between 10-99 acres.
    - (2) Ojo Peak Fire
      - (a) Caused by a miscellaneous cause, burned within this polygon in November 2007 at a no reported cost. Affected over 5,000 acres.
    - (3) Priest Fire
      - (a) Caused by lightning, burned within this polygon in June 1976 at a cost of \$35,000. Affected between 10-99 acres.
    - (4) Trigo Fire
      - (a) Caused by a campfire, burned within this polygon in April 2008 at a cost of \$109,788. Affected over 5,000 acres.
  - v) WUI
    - (1) Three WUIs are within this polygon: the Thunderbird WUI (Object ID 52), the Electronic Site WUI (Object ID 49), and the McKinley WUI (Object ID 51).

[Inventory Identification Number: D4\\_ADJ6 \(567.1 acres\)](#)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Constructed Features
      - (1) There is one unnamed range allotment fence located within this polygon (Object ID 2173).
      - (2) There is one water storage tank, the Bartolo Storage Tank (Object ID 1390), located within this polygon.
      - (3) There is one unnamed water spring development (Object ID 1224) located within this polygon.
      - (4) There is one distribution pipeline, the Salas-Bartolo Pipeline (Object ID 2802), located within this polygon.



- b) Criteria 4: Unique and outstanding qualities
  - i) Water Bodies
    - (1) The Bartolo Trick Tank (FID 7167) is within this polygon (this is also registered in the Polygon GIS files as a Constructed Feature under Object ID 1121).
- c) Criteria 5: Management
  - i) Grazing
    - (1) This polygon is entirely within the Monte Largo / Commanche Grazing Allotment (Object ID 59).
  - ii) Roads and Trails
    - (1) One road is located within this polygon: Route Number 31-1 (FID 4748).
  - iii) Management of surrounding lands
    - (1) This polygon is on the border of the Cibola. This will likely make it difficult to manage this polygon as wilderness due to the variability in management of surrounding areas.

[Inventory Identification Number: D4\\_ADJ7 \(356.5 acres\)](#)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Constructed Features
      - (1) One nonrange, administrative boundary fence (Object ID 540) is located within this polygon.
      - (2) Two water distribution pipelines are located within this polygon: the M. L. Pipeline North (Object ID 2800) and the M. L. Pipeline South (Object ID 2801).
  - b) Criteria 5: Management
    - i) Grazing
      - (1) This polygon is located entirely within the Monte Largo / Commanche Grazing Allotment (Object ID 59).
    - ii) Roads and Trails
      - (1) One trail bisects the southern portion of this polygon: Trail Number 04186 (FID 174).
    - iii) Management of surrounding lands
      - (1) This polygon is on the border of the Cibola. This will likely make it difficult to manage this polygon as wilderness due to the variability in management of surrounding areas.

[Inventory Identification Number: D4\\_ADJ8 \(251.3 acres\)](#)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness

- i) Invasive Species
  - (1) There are 6.8 acres of areas with invasive species within this polygon (which includes acreage of GIS entries connected to this polygon).
    - (a) Salt Cedar (*Tamarix ramosissima*) – 6.8 Total Acres – Class C
      - (i) Site ID 030304425 – 6.8 acres
- ii) Constructed Features
  - (1) The Barellas Spring Well Development (Object ID 1163) is located within this polygon.
- b) Criteria 2: Outstanding Opportunities for Solitude or Primitive or Unconfined Recreation
  - i) Opportunity for Solitude
    - (1) This polygon is directly east of a large network of roads. The proximity to this network may impact the ability of the Cibola to maintain an opportunity for solitude in this polygon.
- c) Criteria 5: Management
  - i) Grazing
    - (1) This polygon is located entirely within the Monte Largo / Commanche Grazing Allotment (Object ID 59).
  - ii) Management of surrounding lands
    - (1) This polygon is on the border of the Cibola. This will likely make it difficult to manage this polygon as wilderness due to the variability in management of surrounding areas.

#### Sandia Ranger District

*Phase 2 Adjacent Areas (Phase 1: 10 Areas; Phase 2: 10 Areas)*

Inventory Identification Number: D5\_ADJ1.b (48.6 acres)

- 1) No Comments

Inventory Identification Number: D5\_ADJ2 (271.1 acres)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Invasive Species
      - (1) There are 38.2 acres of areas with invasive species within this polygon (which includes acreage of GIS entries connected to this polygon). Salt Cedar (*Tamarix ramosissima*) – 38.2 Total Acres – Class C
        - (i) Site ID 030305220 – 38.2 acres
  - b) Criteria 2: Outstanding Opportunities for Solitude or Primitive or Unconfined Recreation
    - i) Opportunity for solitude
      - (1) This polygon is located directly south of a residential neighborhood. The proximity to this neighborhood will likely impact the ability of the Cibola to maintain an opportunity for solitude in this polygon.
  - c) Criteria 4: Unique and outstanding qualities

- i) Water Bodies
  - (1) There is one unnamed intermittent lake (FID 4101) located within this polygon.
- d) Criteria 5: Management
  - i) Small Land Exclusions
    - (1) This polygon was drawn in such a way to specifically avoid a road and a fish pond (FID 535).
    - (2) This polygon, though the boundary does not break, is really broken into two portions, an eastern and a western portion, in order to avoid several roads in the middle of the area between the eastern and western portions. Breaking the inventoried polygons into segments like this will make it difficult to manage the areas in a cohesive and predictable manner.
  - ii) Roads and Trails
    - (1) There are two roads located within this polygon (FID 1461 and FID 5790).
    - (2) There are five trails of varying lengths within this polygon: Trail Number 05130 (FID 3), Trail Number 05254 (FID 35), Trail Number 05051 (FID 37), Trail Number 05260 (FID 91), and Trail Number 0571 (FID 109).
  - iii) WUI
    - (1) The Tunnel WUI (Object ID 10) is located within this polygon.

[Inventory Identification Number: D5\\_ADJ3 \(94.8 acres\)](#)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 2: Outstanding Opportunities for Solitude or Primitive or Unconfined Recreation
    - i) Opportunity for solitude
      - (1) This polygon is surrounding on three sides by a residential neighborhood. The proximity to this neighborhood will likely impact the ability of the Cibola to maintain an opportunity for solitude in this polygon.
  - b) Criteria 5: Management
    - i) WUI
      - (1) The Tunnel WUI (Object ID 10) is located within this polygon.
    - ii) Management of surrounding lands
      - (1) This polygon is on the border of the Cibola. This will likely make it difficult to manage this polygon as wilderness due to the variability in management of surrounding areas.

[Inventory Identification Number: D5\\_ADJ4 \(1,664.2 acres\)](#)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 1: Apparent naturalness
    - i) Constructed Features

- (1) The Las Huertas Water System (Object ID 1414) is located within this polygon.
- b) Criteria 5: Management
  - i) Small Land Exclusions
    - (1) This polygon was drawn in such a way to avoid several roads along the eastern and southern boundary of the polygon.
  - ii) Roads and Trails
    - (1) There are six trails located within this polygon: Trail Number 05234 (FID 40), Trail Number 05354 (FID 46), Trail Number 056000 (FID 64), Trail Number 05601 (FID 92), Trail Number 05200 (FID 225), and Trail Number 05234 (FID 240).
  - iii) Fire History
    - (1) Cooper Fire
      - (a) Caused by a miscellaneous cause, burned within this polygon in June 1990 at a cost of \$250,000. Affected between 100-299 acres.
  - iv) WUI
    - (1) There are two WUIs located within this polygon: the Las Huertas WUI (Object ID 16) and the Burton WUI (Object ID 20).

[Inventory Identification Number: D5\\_ADJ4.c \(6.3 acres\)](#)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - b) Criteria 2: Outstanding Opportunities for Solitude or Primitive or Unconfined Recreation
    - iii) Opportunity for solitude
      - (1) This polygon is east of a residential neighborhood. The proximity to this neighborhood will likely impact the ability of the Cibola to maintain an opportunity for solitude in this polygon.
  - a) Criteria 5: Management
    - i) Roads and Trails
      - (1) There is one trail that bisects this polygon through the middle: Trail Number 05203 (FID 18).
    - ii) WUI
      - (1) The Burton WUI (Object ID 20) is located within this polygon.

[Inventory Identification Number: D5\\_ADJ5 \(1,216.7 acres\)](#)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 5: Management
    - i) Small Land Exclusions
      - (1) This polygon was drawn in such a way to avoid a road along the eastern boundary of the polygon (Route Number NM 536 – FID 517).

ii) Roads and Trails

- (1) There are five trails of varying lengths located within this polygon: Trail Number 05196 (FID 17), Trail Number 05195 (FID 220), Trail Number 05147 (FID 222), Trail Number 05265 (FID 223), and Trail Number 05200 (FID 225).

iii) WUI

- (1) The entirety of this polygon is within the Sulphur WUI (Object ID 23).

[Inventory Identification Number: D5\\_ADJ6 \(735.6 acres\)](#)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.

2) Evaluation Criteria Definition Matrix

a) Criteria 2: Outstanding Opportunities for Solitude or Primitive or Unconfined Recreation

i) Opportunity for solitude

- (1) This polygon is located directly east of a residential neighborhood. The proximity to this neighborhood will likely impact the ability of the Cibola to maintain an opportunity for solitude in this polygon.

b) Criteria 5: Management

i) Roads and Trails

- (1) There are five trails of varying lengths located throughout this polygon: Trail Number 05365A (FID 50), Trail Number 05305A (FID 111), Trail Number 05305 (FID 113), Trail Number 05365 (FID 242), and an unnamed trail (FID 112).

ii) WUI

- (1) The entirety of this polygon is within the Sandia Wilderness Boundary WUI (Object ID 17).

iii) Management of surrounding lands

- (1) This polygon is on the border of the Cibola. This will likely make it difficult to manage this polygon as wilderness due to the variability in management of surrounding areas.
- (2) This polygon is broken into three distinct areas. These areas should have been analyzed separately. Roads separate the three areas. Breaking the inventoried polygons into segments like this will make it difficult to manage the areas in a cohesive and predictable manner.

[Inventory Identification Number: D5\\_ADJ7 \(4.9 acres\) WUI](#)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.

2) Evaluation Criteria Definition Matrix

a) Criteria 2: Outstanding Opportunities for Solitude or Primitive or Unconfined Recreation

i) Opportunity for solitude

- (1) This polygon is located directly north of a residential neighborhood. The proximity to this neighborhood will likely impact the ability of the Cibola to maintain an opportunity for solitude in this polygon.

- b) Criteria 5: Management
  - i) Small Land Exclusions
    - (1) The southern boundary of this polygon was drawn to avoid a road: Route Number 519 (FID 3594).
  - ii) Roads and Trails
    - (1) There is one trail located within this polygon: Trail Number 05130 (FID 3).
  - iii) WUI
    - (1) Though this polygon is not located within a WUI, it is surrounded by the Hondo WUI (Object ID 26).
  - iv) Management of Surrounding Lands
    - (2) This polygon borders a municipality. This will likely make it difficult to manage this polygon as wilderness due to the variability in management of surrounding areas.

[Inventory Identification Number: D5\\_ADJ8 \(69 acres\)](#)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 2: Outstanding Opportunities for Solitude or Primitive or Unconfined Recreation
    - i) Opportunity for Solitude
      - (1) This area is well within a half mile of Interstate Highway 40, a highly traveled area. It is also northwest of what looks like a mine or other industrial facility. Both of these factors negate the criteria of having opportunities for solitude.
  - b) Criteria 5: Management
    - i) Small Land Exclusions
      - (a) This polygon is broken into three distinct areas. These areas should have been analyzed separately. Breaking the inventoried polygons into segments like this will make it difficult to manage the areas in a cohesive and predictable manner.
    - ii) WUI
      - (a) This polygon is almost entirely within the Sandia Wilderness Boundary WUI (Object ID 17).

[Inventory Identification Number: D5\\_ADJ9 \(332.6 acres\)](#)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 2: Outstanding Opportunities for Solitude or Primitive or Unconfined Recreation
    - i) Opportunity for Solitude
      - (1) This area is well within a half mile of Interstate Highway 40, a highly traveled area. It is also north of a residential area. Both of these factors negate the criteria of having opportunities for solitude.

- b) Criteria 5: Management
  - i) Roads and Trails
    - (a) A trail bisects this polygon through the middle: Trail Number 05194 (FID 244).
  - ii) WUI
    - (a) Though this polygon is not located within a WUI, it is surrounded by the Sandia Wilderness Boundary WUI (Object ID 17).
  - iii) Management of surrounding lands
    - (3) This polygon borders the community of Carnuel. This will likely make it difficult to manage this polygon as wilderness due to the variability in management of surrounding areas.

[Inventory Identification Number: D5\\_ADJ10 \(79.5 acres\)](#)

- 1) NMDA Recommendation: Remove from further consideration. Below is a list of features and concerns that should exclude this polygon from further consideration in the Inventory. The reasoning for excluding polygons with these specific features are found in the “Issues of Concern” section above.
- 2) Evaluation Criteria Definition Matrix
  - a) Criteria 2: Outstanding Opportunities for Solitude or Primitive or Unconfined Recreation
    - i) Opportunity for solitude
      - (1) This polygon is located directly east of a densely populated residential neighborhood. The proximity to this neighborhood will likely impact the ability of the Cibola to maintain an opportunity for solitude in this polygon.
  - b) Criteria 5: Management
    - i) WUI
      - (a) Though this polygon is not located within a WUI, it is surrounded on the eastern boundary by the Sandia Wilderness Boundary WUI (Object ID 17).
    - ii) Management of surrounding lands
      - (1) This polygon is on the border of the Cibola. This will likely make it difficult to manage this polygon as wilderness due to the variability in management of surrounding areas.
      - (2) This polygon borders land owned by Albuquerque Open Space. This will likely make it difficult to manage this polygon as wilderness due to the variability in management of surrounding areas.



# Appendix

		Counties												# Counties Where Species Reported
Common Name	Scientific Name	McKinley	Sandoval	Santa Fe	Los Alamos	Cibola	Bernalillo	Valencia	Torrance	Catron	Socorro	Lincoln	Sierra	
NMDA Watch List Species														
Meadow knapweed*	<i>Centaurea pratensis</i>													0
Giant Cane	<i>Arundo donax</i>		X				X	X					X	4
Pampasgrass	<i>Cortaderia selloana</i>		X				X							2
Quackgrass	<i>Elytrigia repens</i>			X										1
Sahara mustard	<i>Brassica tournefortii</i>						X							1
Spiny cocklebur	<i>Xanthium spinosum</i>								X	X	X	X		4
NMDA Class A Species														
Whitetop (aka Hoary cress)	<i>Cardaria draba</i>	X	X		X	X	X	X	X	X	X	X	X	11
Diffuse knapweed	<i>Centaurea diffusa</i>	X	X	X										3
Yellow starthistle	<i>Centaurea solstitialis</i>	X	X									X		3
Canada thistle	<i>Cirsium arvense</i>	X	X	X	X		X		X			X		7
Leafy spurge	<i>Euphorbia esula</i>											X		1
Yellow toadflax	<i>Linaria vulgaris</i>		X		X		X		X					4
Scotch thistle	<i>Onopordum acanthium</i>	X	X	X		X		X	X					6
Camelthorn	<i>Alhagi maurorum</i>	X				X	X	X			X		X	6
Eurasian watermilfoil	<i>Myriophyllum spicatum</i>		X							X	X	X	X	5
Purple loosestrife	<i>Lythrum salicaria</i>						X							1
Spotted knapweed	<i>Centaurea biebersteinii</i>	X	X			X	X			X				5
Dalmatian toadflax	<i>Linaria dalmatica</i>	X	X	X			X		X			X		6
Dyers woad	<i>Isatis tinctoria</i>		X	X										2
Alfombra*	<i>Drymaria arenarioides</i>													0
Giant salvinia*	<i>Salvinia molesta</i>													0
Hydrilla	<i>Hydrilla verticillata</i>		X											1
Oxeye daisy	<i>Leucanthemum vulgare</i>		X									X		2
Ravennagrass	<i>Saccharum ravennae</i>						X							1
Parrotfeather	<i>Myriophyllum aquaticum</i>						X	X			X		X	4
NMDA Class B Species														
Musk thistle	<i>Carduus nutans</i>	X	X	X	X	X	X	X	X	X	X	X		11
Russian knapweed	<i>Acroptilon repens</i>	X	X	X	X	X	X	X	X	X	X	X	X	12
Perennial pepperweed	<i>Lepidium latifolium</i>	X	X	X	X	X	X	X	X		X		X	10
African rue	<i>Peganum harmala</i>					X	X				X	X	X	5
Halogeton	<i>Halogeton glomeratus</i>	X	X											2
Poison hemlock	<i>Conium maculatum</i>	X	X				X			X		X		5
Tree of heaven	<i>Ailanthus altissima</i>		X		X		X	X			X	X	X	7
Malta starthistle	<i>Centaurea melitensis</i>												X	
Chicory	<i>Cichorium intybus</i>	X		X	X		X		X					5
NMDA Class C Species														
Bull thistle	<i>Cirsium vulgare</i>	X	X	X	X		X	X		X	X	X		9
Russian olive	<i>Elaeagnus angustifolia</i>	X	X	X	X	X	X	X	X	X	X	X	X	12
Tamarisk	<i>Tamarix spp.</i>	X	X	X	X	X	X	X	X	X	X	X	X	12
Cheatgrass	<i>Bromus tectorum</i>	X	X	X	X	X	X	X	X	X	X	X	X	12
Jointed goatgrass	<i>Aegilops cylindrica</i>		X	X			X		X			X		5
Siberian elm	<i>Ulmus pumila</i>	X	X	X	X	X	X	X	X	X	X	X	X	12
# Invasive Species in County		19	26	16	13	12	25	14	15	12	15	19	14	
*Species has not been reported in New Mexico but is a species to be aware of														

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