

# Jessie Hollow Conservation Area

## Ten-Year Area Management Plan FY 2015-2024



Jessie M. Allen  
Forestry Division Chief

10-20-18  
Date

## Jessie Hollow Conservation Area Management Plan Approval Page

### PLANNING TEAM

Ashley Schnake, Urban Wildlife Biologist

Dan Akin, Conservation Agent

John Miller, Interpretive Center Manager

Dave Woods, Fisheries Management Biologist

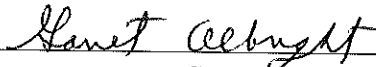
Andy Humble, Private Land Conservationist

Greg Cassell, Resource Forester

Rhonda Rimer, Natural History Biologist

### SOUTHWEST REGION

RCT Chair

  
Signature

10/8/15  
Date

### FORESTRY DIVISION

Forest Management Chief

  
Signature

10/19/15  
Date

## OVERVIEW

- **Official Area Name:** Jessie Hollow Conservation Area, #6524
- **Year of Initial Acquisition:** 1965
- **Acreage:** 120 acres
- **County:** Stone
- **Division with Administrative Responsibility:** Forestry
- **Division with Maintenance Responsibility:** Forestry
- **Statement of Purpose:**

### A. Strategic Direction

Jessie Hollow Conservation Area (CA) is managed for forested natural communities and the species they support. Forests and woodlands are managed for game species such as deer, turkey and squirrel as well as many non-game species.

### B. Desired Future Condition

The desired future condition of Jessie Hollow CA is a healthy forest and woodland landscape that supports upland game and other associated wildlife species which provide hunting and nature viewing opportunities to the public.

### C. Federal Aid Statement

This area, or a portion thereof, was acquired with Pittman-Robertson Wildlife Restoration funds to restore and manage wildlife, conserve and restore suitable wildlife habitat and provide public access for hunting or other wildlife-oriented recreation.

## GENERAL INFORMATION AND CONDITIONS

### I. Special Considerations

- A. **Priority Areas:** None
- B. **Natural Areas:** None

### II. Important Natural Features and Resources

- A. **Species of Conservation Concern:** Species of conservation concern are known from this area. Area managers should consult the Natural Heritage Database annually and review all management activities with the Natural History Biologist.
- B. **Caves:** None
- C. **Springs:** None
- D. **Other:** Occurs in the Ozark Highlands Section, White River Hills subsection, White River Dolomite Glade/Oak Woodland Rugged Hills and Landtype Associations. Historically, glade, and mixed oak and pine oak woodlands dominated this landscape (Nigh & Schroeder, 2002).

**III. Existing Infrastructure**

- 1 gravel parking lot

**IV. Area Restrictions or Limitations**

- A. Deed Restrictions or Ownership Considerations:** None
- B. Federal Interest:** Uses of land acquired with federal funds may not interfere with the purpose for which it was acquired. Federal funds may also be used in the management of this land. Fish and wildlife agencies may not allow recreational activities and related facilities that would interfere with the purpose for which the State is managing the land. Other uses may be acceptable and must be assessed in each specific situation.
- C. Easements:** Underground telephone easement, county road right of way
- D. Cultural Resources:** No known cultural resources.
- E. Hazards and Hazardous Materials:** None observed.
- F. Endangered Species:** None observed.
- G. Boundary Issues:** Establishing accurate and identifiable boundary markers is a priority for this property.

**MANAGEMENT CONSIDERATIONS**

**V. Terrestrial Resource Management Considerations**

**Challenges and Opportunities:**

- 1) A forest inventory of the area was completed in 1994. Site quality for tree growth is low on the south- and southwest-facing slopes, where glades and woodlands are present. Higher site quality is present in forested stands on the ridge tops and on north-facing slopes.
- 2) Monitor forest stands for insects and diseases (e.g, emerald ash borer, gypsy moth, thousand cankers disease and the walnut twig beetle).
- 3) Control exotic or invasive plant species on the area (e.g., sericea lespedeza, musk thistle, tall fescue, Johnson grass, Reed canary grass and Eastern red cedar).

**Management Objective 1:** Maintain forest cover for wildlife and recreation.

**Strategy 1:** Protect forest from wildfire, insects and disease. (Forestry)

**Strategy 2:** Conduct a forest inventory. (Forestry)

**Strategy 3:** Manage woodlands with less canopy than forest. (Forestry)

**Management Objective 2:** Monitor forest for insect and disease outbreaks as well as exotic or invasive plant species.

**Strategy 1:** Forestry staff will monitor forested stands for insects and diseases as well as for exotic or invasive species on an on-going basis as regular area maintenance and boundary work is performed. (Forestry)

**Strategy 2:** Conduct forest management activities to manage any insect and disease issues as needed. (Forestry)

## **VI. Aquatic Resource Management Considerations**

### **Challenges and Opportunities:**

- 1) Jessie Hollow CA contains a first-order intermittent stream which flows from east to west on the southern edge of the property. It is a direct tributary to Table Rock Lake.

**Management Objective 1:** Maintain, enhance, or expand the riparian corridors of the first-order stream to a minimum of 50 feet on both stream sides, where appropriate.

**Strategy 1:** Allow natural regeneration to vegetate the riparian corridors, or plant trees and shrubs within the corridors where regeneration is not likely to succeed. (Fisheries, Wildlife, Forestry)

**Strategy 2:** Implement stream Best Management Practices on all streams according to the Missouri Department of Conservation's (the Department's) *Watershed and Stream Management Guidelines for Lands and Waters Managed by the Missouri Department of Conservation* (2009). (Fisheries)

**Management Objective 2:** Maintain integrity of the stream while implementing terrestrial habitat management practices.

**Strategy 1:** Conduct management activities on the area, according to *Missouri Watershed Protection Practice Recommended Practices for Missouri Forests* (Missouri Department of Conservation, 2014). (Fisheries, Wildlife, Forestry)

## **VII. Public Use Management Considerations**

### **Challenges and Opportunities:**

- 1) Jessie Hollow CA receives moderate public use in the form of small game, deer and turkey hunting.

**Management Objective 1:** Maintain public access at the parking area.

**Strategy 1:** Perform regular parking lot maintenance, as needed, including grading, replacing gravel and parking lot posts, and maintaining signs. (Forestry)



## APPENDICES

### Area Background:

Up until 1965, this property was owned by the University of Missouri. At that time, the tract was purchased by the Department with Pittman-Robertson Wildlife Restoration funds and was part of a larger purchase of land that included tracts in several other Missouri counties. The area was named after an intermittent stream that runs downhill from east to west and flows directly into Table Rock Lake, approximately 0.5 miles downstream from the conservation area.

The area is currently open to hunting under statewide regulations. Habitat on the area is mostly upland forest, woodland and glade.

### Current Land and Water Types:

Land/Water Type	Acres	Miles	% of Area
Upland Forest	60		50
Woodland	57		48
Glade	3		2
<b>Total</b>	<b>120</b>		<b>100</b>
Stream Frontage		0.5	

### Public Input Summary:

The draft Jessie Hollow Conservation Area Management Plan was available for a public comment period June 1–30, 2015. The Missouri Department of Conservation received three comments from two respondents (Appendix A). The Jessie Hollow Conservation Area Planning Team carefully reviewed and considered these ideas as they finalized this document. A brief summary of public input themes, including how they were incorporated or why they were not, can be found below. Rather than respond to each individual comment, comments are grouped into general themes and are addressed collectively.

### Department responses to themes and issues identified through Jessie Hollow Conservation Area public comment period

#### **Opposes use of herbicides on area.**

When Conservation employees apply herbicide, it is applied according to label instructions, using the minimum amount and on low wind days to prevent drift beyond the target area. At present, herbicide is used periodically to control vegetation in and around the perimeter of the parking lot.

**Concern that area is too small to allow for safe hunting.**

This area is open to statewide regulations which allow hunting during designated seasons with an appropriate firearm. The Conservation Department has established areas of 40 acres or more as suitable for hunting activities. Although this Conservation Area is relatively small (120 acres), it does not have a large number of residences surrounding its boundary. Residences that do exist near the boundary are located closer to Martin Hollow Road and to Tilden Road. Typically hunters will locate in the interior of the Conservation Area, away from people, roads and residences to have a better chance of successfully harvesting game species. When tree stands are used for deer hunting, the hunter is generally discharging the firearm downward at the animal so that the bullet travels into the ground not far from the target. Suggestions and comments regarding specific regulations on this area can be made to the Conservation Department Regulations Committee.

**References:**

Missouri Department of Conservation. (2009). *Watershed and stream management guidelines for lands and waters managed by the Missouri Department of Conservation*. Jefferson City, Missouri: Missouri Department of Conservation.

Missouri Department of Conservation. (2014). *Missouri watershed protection practice recommended practices for Missouri forests: 2014 management guidelines for maintaining forested watersheds to protect streams*. Jefferson City, Missouri: Conservation Commission of the State of Missouri.

Nigh, T. A., & Schroeder, W. A. (2002). *Atlas of Missouri ecoregions*. Missouri: Missouri Department of Conservation.

**Maps:**

Figure 1: Area Map

Figure 2: Vicinity Map

Figure 3: Aerial Map

Figure 4: Features and Facilities Map

**Additional Appendices:**

Appendix A. Jessie Hollow Conservation Area Management Plan Public Comments



Figure 1: Area Map

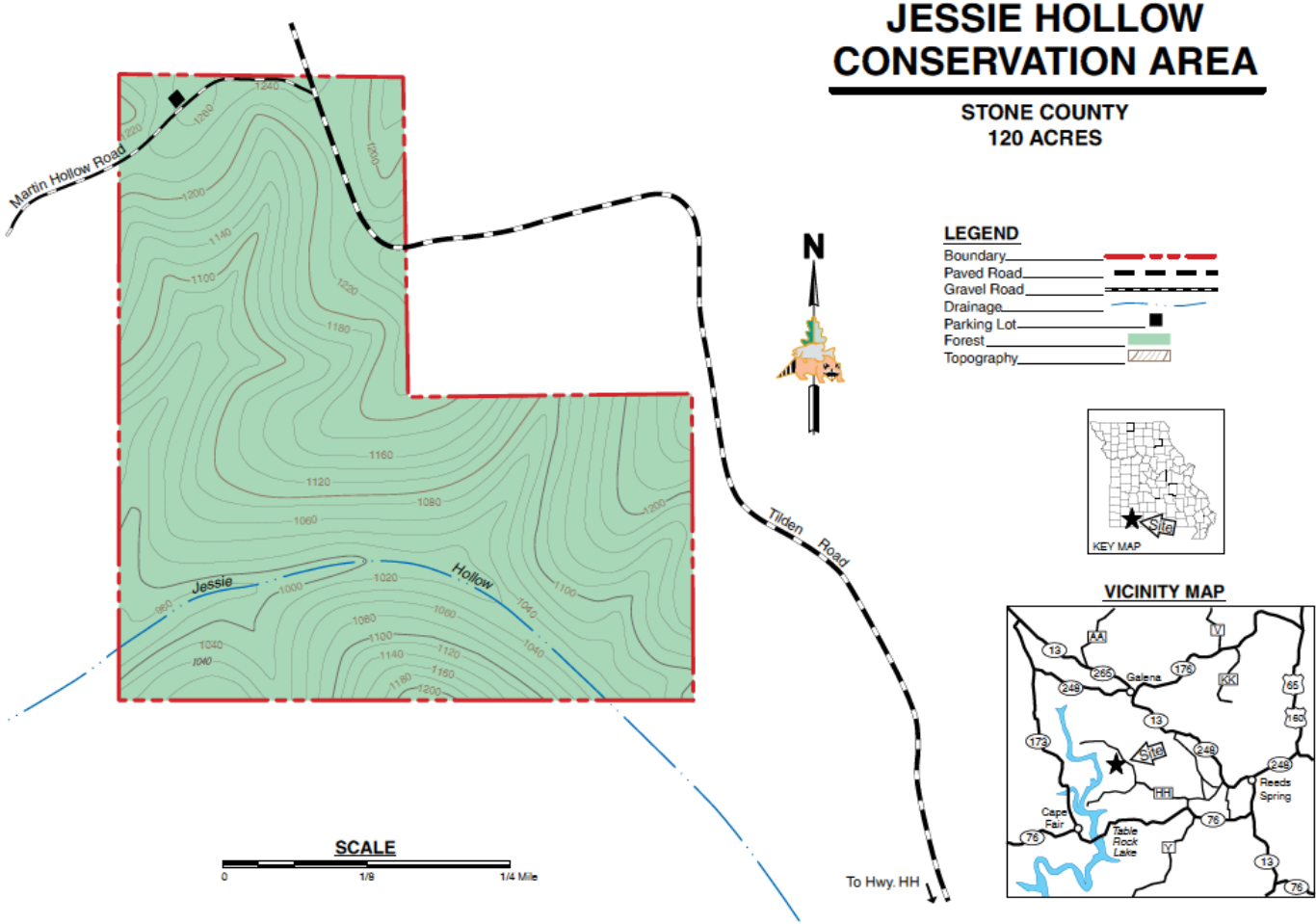
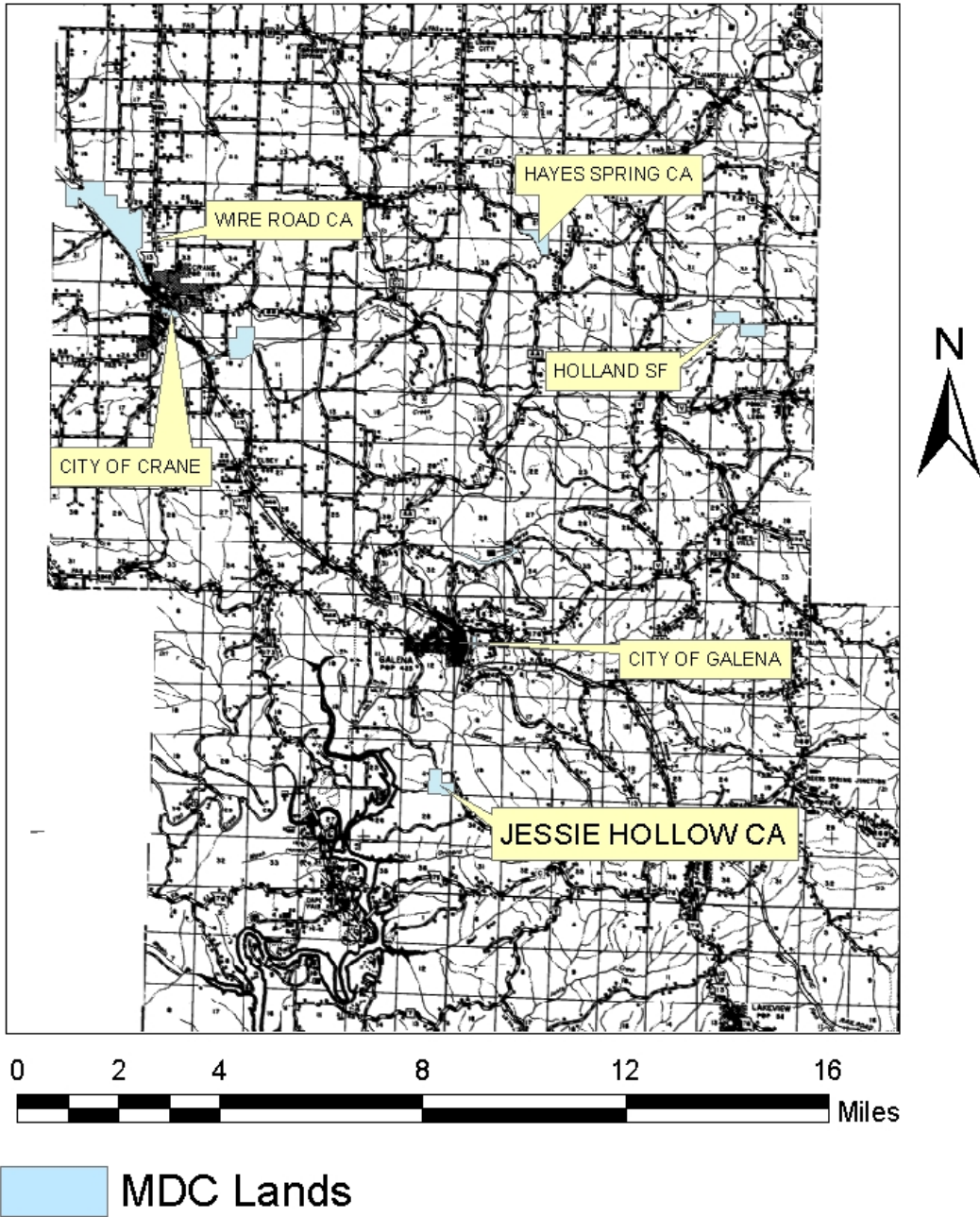


Figure 2: Vicinity Map

## Figure 2. Jessie Hollow CA Vicinity Map



**Figure 3: Aerial Map**

**Figure 3. Jessie Hollow CA  
Aerial Photograph**

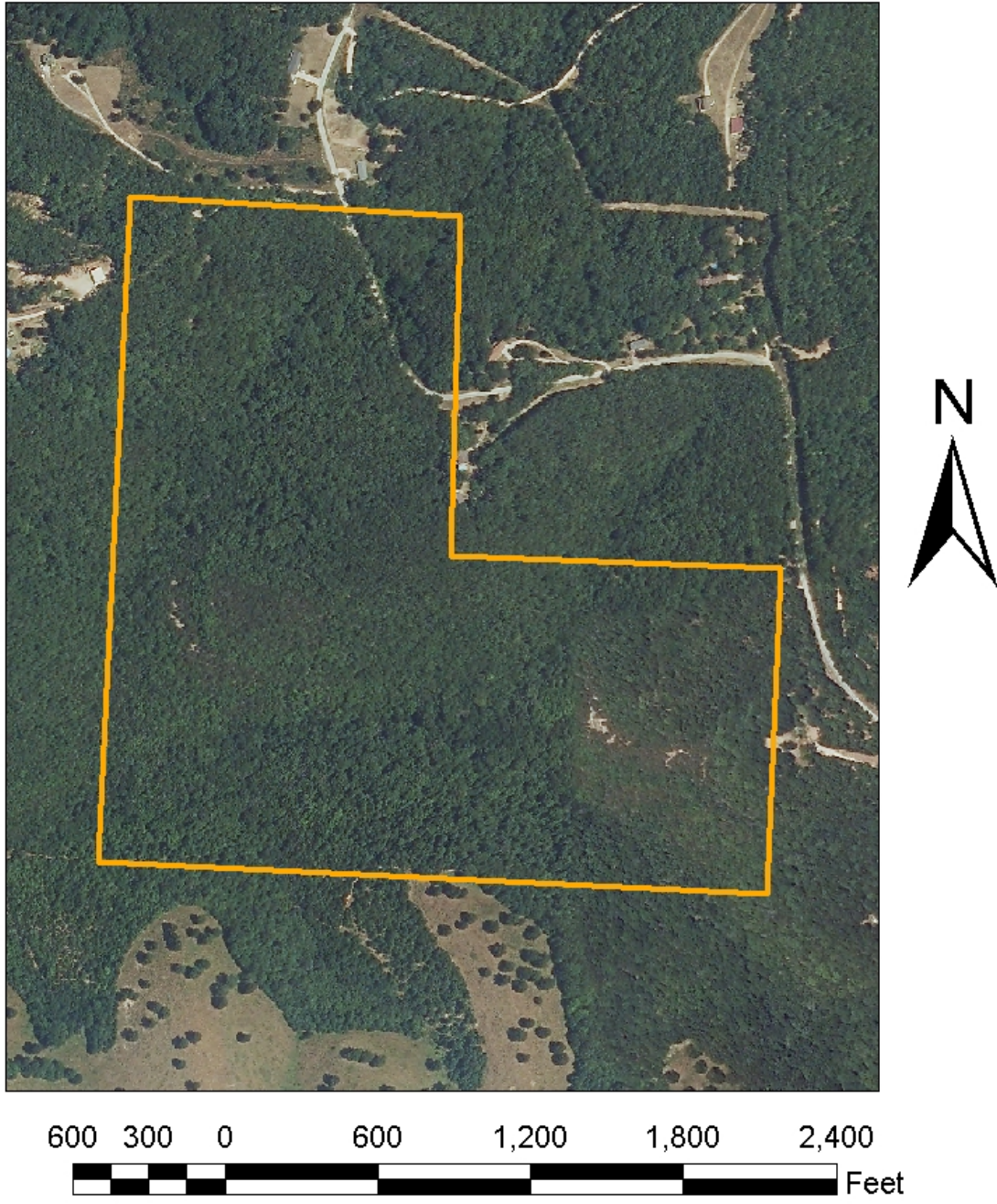
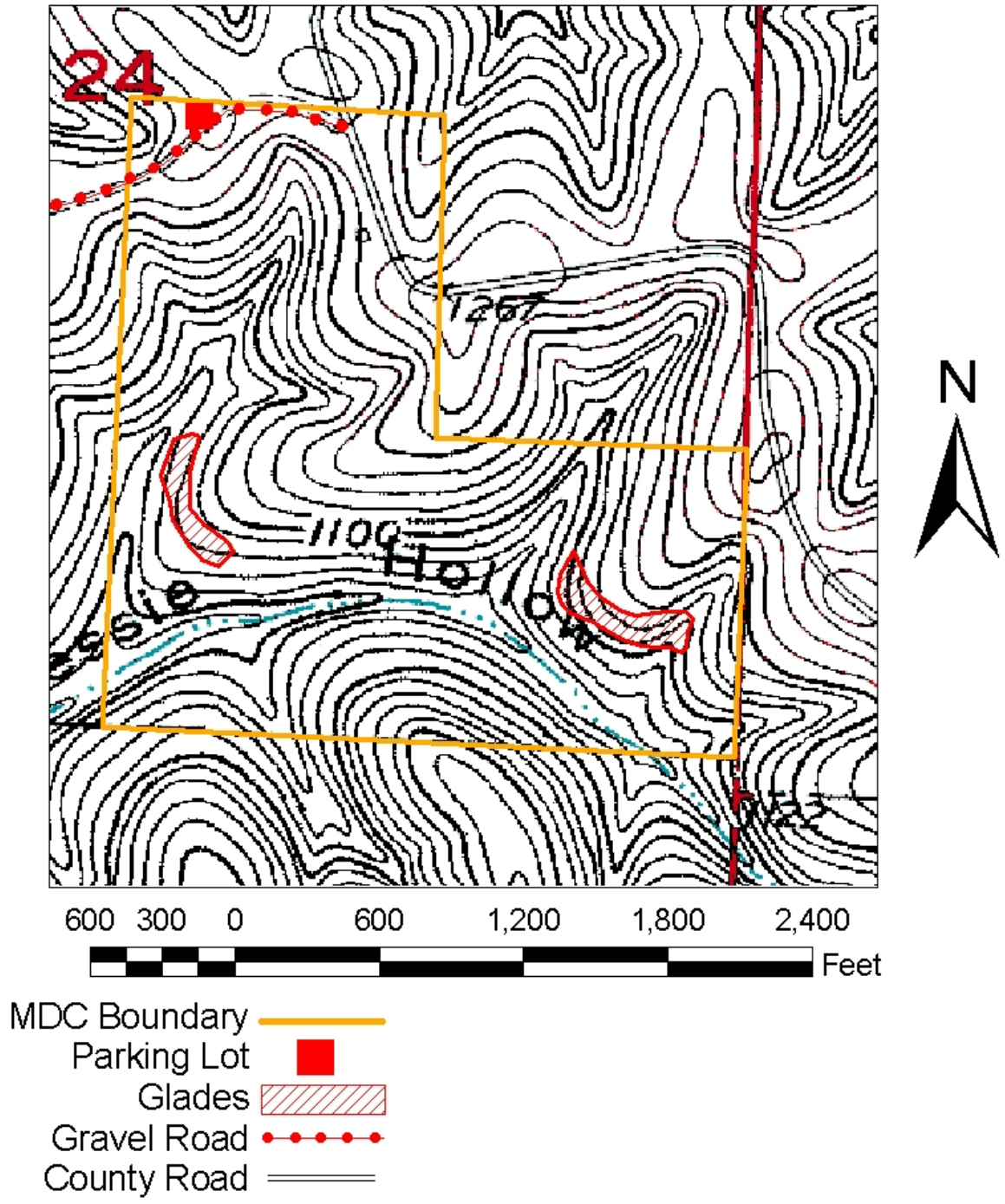


Figure 4: Features and Facilities Map

Figure 4. Jesse Hollow CA  
Features and Facilities



**Appendix A. Jessie Hollow Conservation Area Management Plan Public Comments**

Received during public comment period (June 1-30, 2015):

As adjacent property owners to this area we appreciate the notice and the level of detail furnished.

We especially like the idea of well defined boundaries.

Perhaps we could adopt many of the professional ideas presented here for our own 80 acre tract?

Please stay in contact at this e-mail address or by telephone

Thanks for asking

We share a 1/4 mile boundary with Jesse Hollow Conservation area

We seek security, safety and look forward to working with you on preservation -- 120 acres seems too small to allow hunting with safety -we really liked hearing about the credentials of your team members-- perhaps you can advise us on our 80 acres?

Time permitting please give us a call and we can elaborate on our recommendations

No Herbicide sprays on our conservation land.....it kills the bees...