



## **LABSS Supplemental Materials**

Public Meeting #1: State of the Lakes Basin

Welcome to the Lakes Basin Special Study  
Public Meeting #1:

## State of the Lakes Basin

“Existing Conditions Report”

“Fuels Reduction and the Lakes Basin”

“Mammoth Community Water District and the  
Mammoth Lakes Basin”

September 30, 2010

5:30 p.m. to 7:30 p.m.

The Westin Monache Resort



While the webinar audience is being brought on line...



## Special Thanks to the Westin Monache Resort





## Web Site

[www.mltpa.org](http://www.mltpa.org)

## Blog

<http://labss.wordpress.com/>

## Face Book

<http://www.facebook.com/pages/Lakes-Basin-Special-Study-LABSS/117785138270241?ref=ts>

## Email + Telephone

[labss@mltpa.org](mailto:labss@mltpa.org) 760 934 3154



Welcome to the Lakes Basin Special Study  
Public Meeting #1:

## State of the Lakes Basin

“Existing Conditions Report”

“Fuels Reduction and the Lakes Basin”

“Mammoth Community Water District and the  
Mammoth Lakes Basin”

September 30, 2010

5:30 p.m. to 7:30 p.m.

The Westin Monache Resort





# Welcome!

Thank you for joining the study!

- Thank you for taking the time to become involved in YOUR public lands
- Thank you to the Sierra Nevada Conservancy
- Thank you to our partner organizations
- Thank you to The Westin Monache Resort



### Welcome and Introduction to LABSS

*Jon Kazmierski, Inyo National Forest*

### “Existing Conditions Report”

*Drew Blankenbaker, Natural Resources Director, MLTPA*

### “Fuels Reduction and the Lakes Basin”

*Sue Farley, Interagency Vegetation Management Planner, Inyo National Forest*

### “Mammoth Community Water District and the Mammoth Lakes Basin”

*Greg Norby, General Manager, Mammoth Community Water District*

### “Vision Development, and Introduction to Meeting #2”

*Jon Kazmierski, Inyo National Forest*





After each presentation, there will be an opportunity for questions and comments from both audiences.

Webinar audience - type your questions

Live audience - raise your hands

*Live audience questions will be repeated by the facilitator so that the Webinar audience can hear the questions*

*Webinar audience questions will be read out loud by the facilitator so that the live audience can hear the questions*

10 - 15 minutes for each question and comment period



## Presenters

Jon Kazmierski

*Facilitator, US Forest Service*

Drew Blankenbaker

*Natural Resources Coordinator,  
Mammoth Lakes Trails and Public Access Foundation*

Sue Farley

*Vegetation Management Planner, US Forest Service*

Greg Norby

*General Manager, Mammoth Community Water District*





## Partners





- Collaborative effort to examine current summer recreation situation in the Mammoth Lakes Basin, discuss management challenges, and explore possible solutions
- Identify a comprehensive vision
- Foundation for a future management plan
- 2 Year data collection effort,
- Series of 3 public meetings
- Written report to be completed after 3<sup>rd</sup> meeting



- Not a management plan
- No decisions will be made in this process/study
- Not subject to NEPA



- Decision making process
- Subject to NEPA
- Structured public involvement process
- Proposed Action and Alternatives to the Proposed Action will be assessed for their effects on the environment. Environmental effects are disclosed to the public and the agency makes an informed decision.
- Late 2011/Early 2012



- Present existing conditions and current uses
- Verify information with meeting participants
- Gather any new or missing information
- Introduce meeting #2 and provide “homework” assignments



- Drew Blankenbaker
- Natural Resources Director
- [drewblankenbaker@mltpa.org](mailto:drewblankenbaker@mltpa.org)
- 760 934 3154







*Existing Conditions Report - Draft*

prepared by  
The Mammoth Lakes Trails and Public Access Foundation  
for the  
"State of the Lakes Basin" Public Meeting  
September 30, 2010



SIERRA NEVADA  
CONSERVANCY



- Purpose of the Existing Conditions Report
  - Baseline Data



SIERRA NEVADA  
CONSERVANCY







- Purpose of the Existing Conditions Report
  - Baseline Data
- Shared Jurisdiction and Collaboration





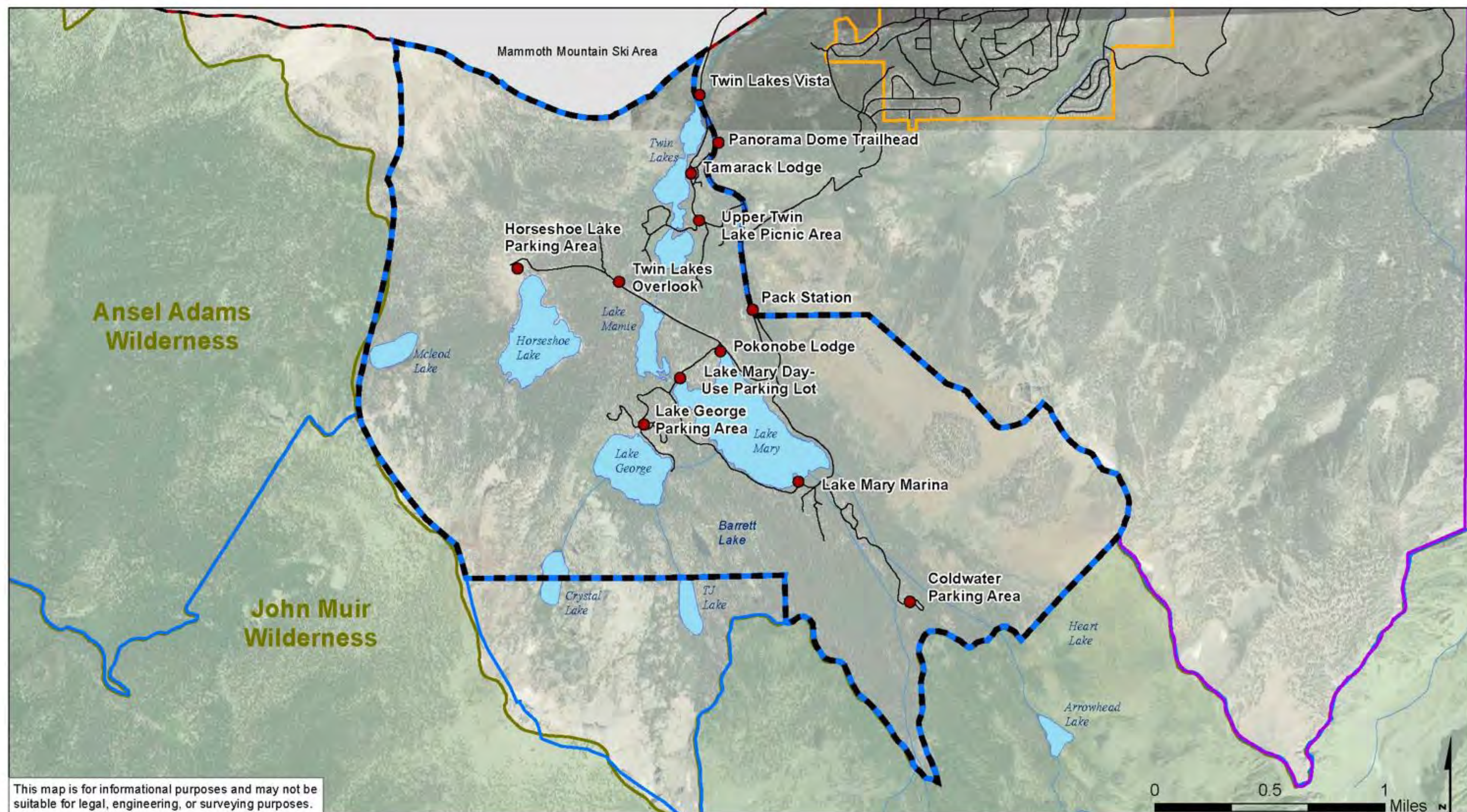


- Purpose of the Existing Conditions Report
  - Baseline Data
- Shared Jurisdiction and Collaboration
- Data Collection Process
  - 12 Primary Nodes





# Existing Conditions: Introduction – Map 1.0



## Legend

- |   |   |   |
|---|---|---|
| <span style="color: red;">●</span> LABSS Nodes  | <span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> Lakes | <span style="border: 2px solid purple; display: inline-block; width: 20px; height: 10px;"></span> TOML Municipal Boundary |
| <span style="border: 3px dashed blue; display: inline-block; width: 20px; height: 10px;"></span> LABSS Study Area | <span style="color: blue;">—</span> Streams   | <span style="border: 2px solid blue; display: inline-block; width: 20px; height: 10px;"></span> TOML Planning Area        |
| <span style="border: 2px solid yellow; display: inline-block; width: 20px; height: 10px;"></span> Wilderness      | <span style="color: black;">—</span> Centerlines  | <span style="border: 2px solid orange; display: inline-block; width: 20px; height: 10px;"></span> TOML Urban Limit        |

Lakes Basin Special Study (LABSS)  
Existing Conditions - Study Area, Geography and Jurisdictions  
Map 1.0

Map Draft Date 09/27/10















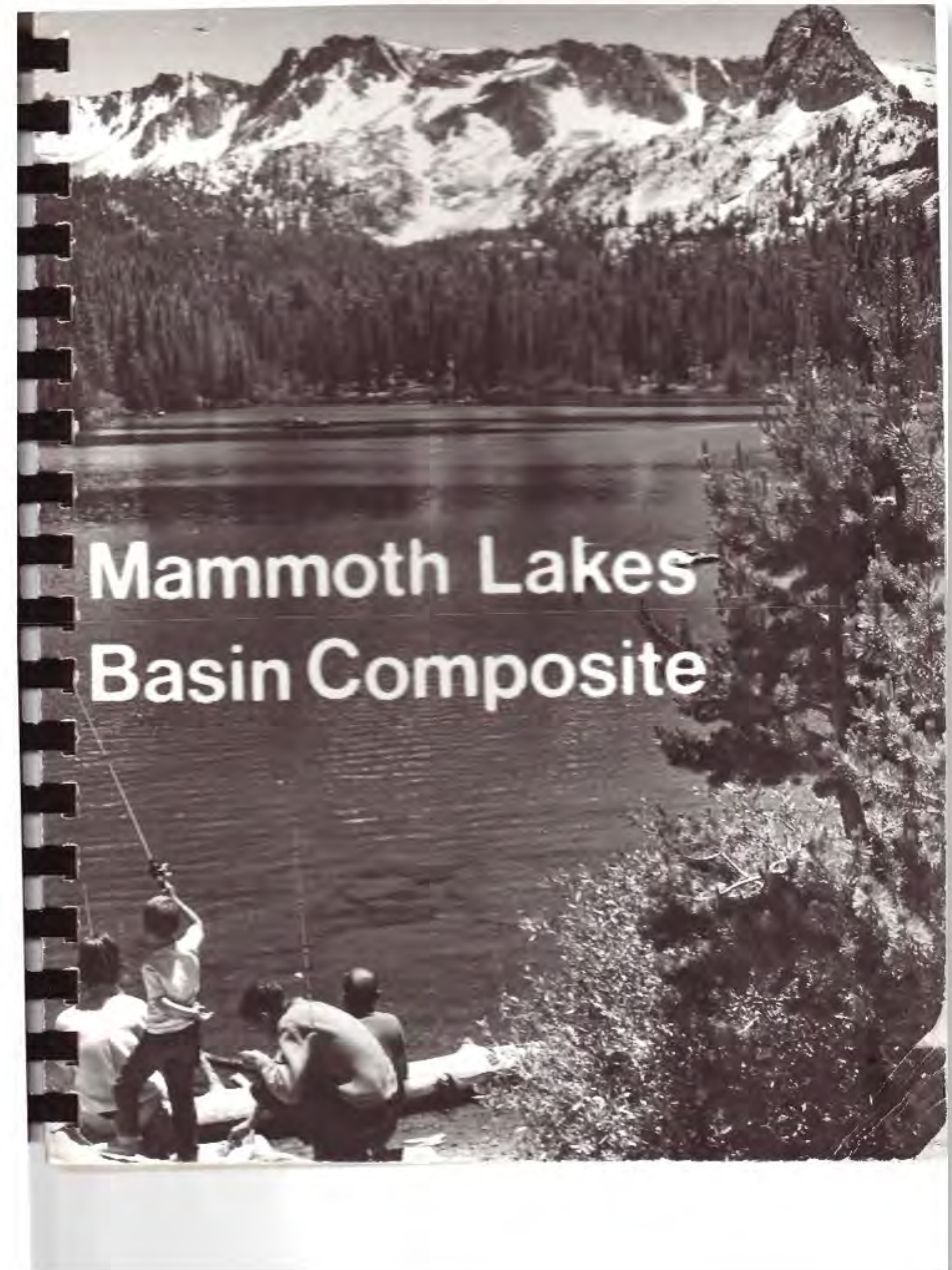






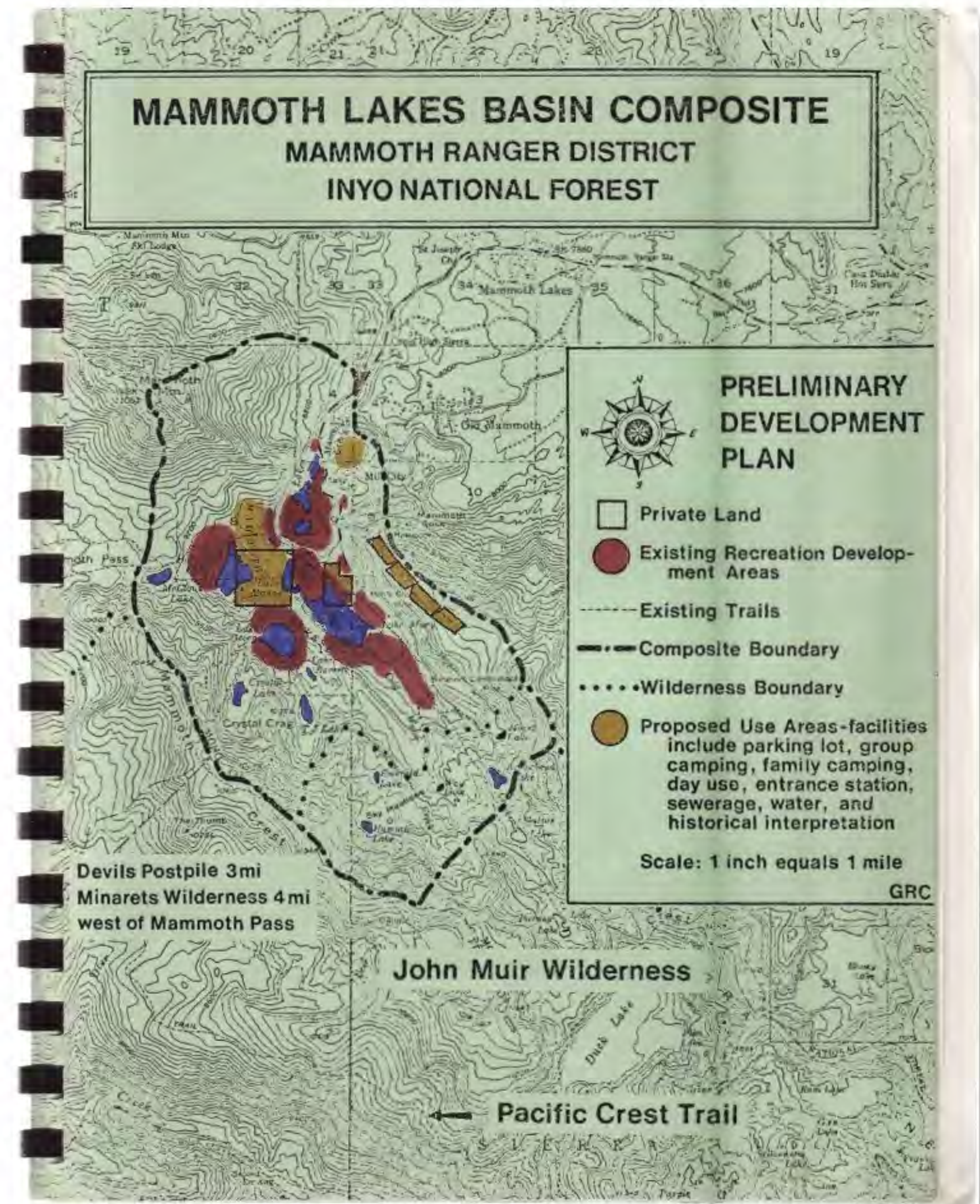


- Major Recreation Area
- Historical Use



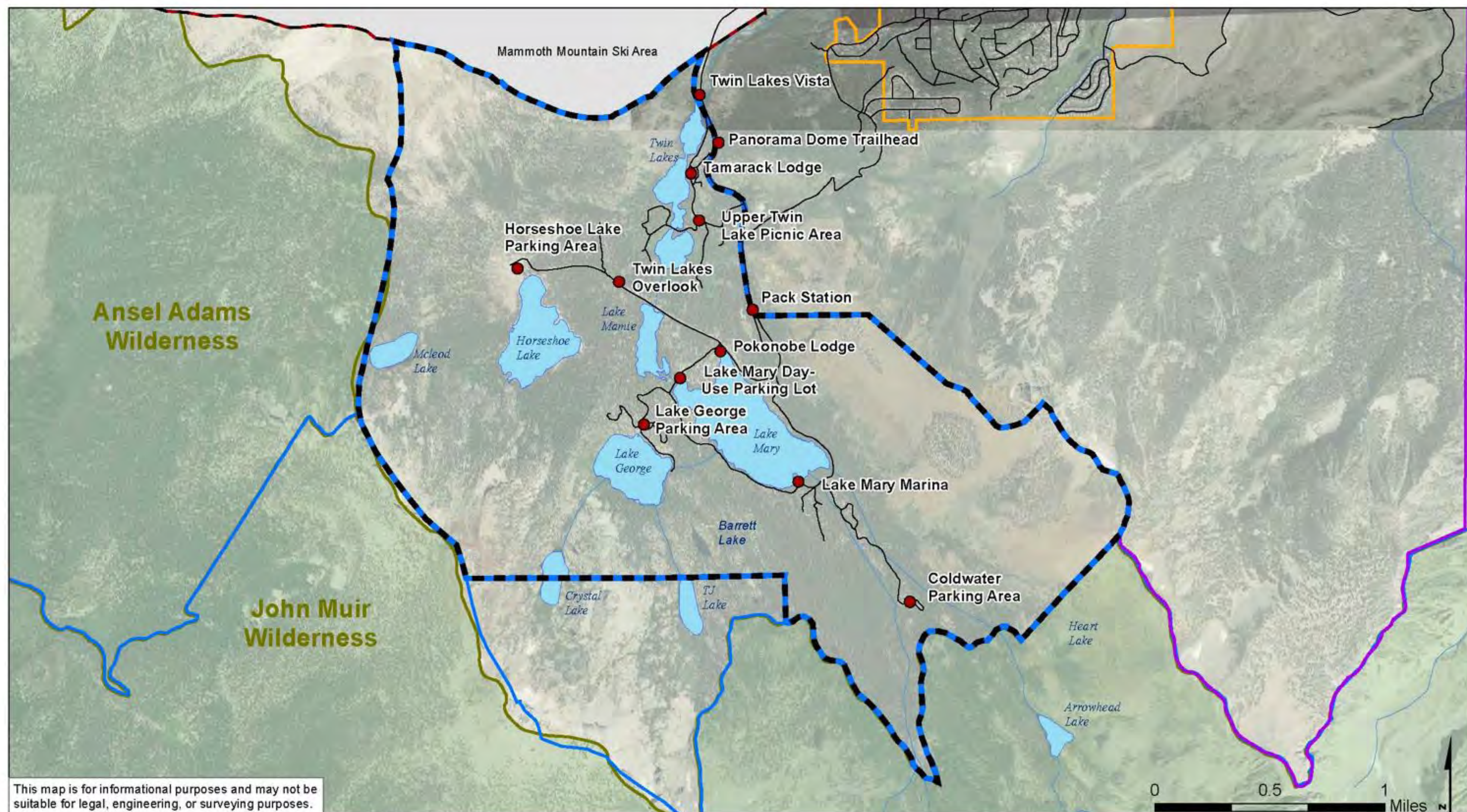


- Major Recreation Area
- Historical Use
- Previous Studies and Management Plans
  - LABSS Library





# Existing Conditions: Study Area – Map 1.0



## Legend

- |   |   |   |
|---|---|---|
| <span style="color: red;">●</span> LABSS Nodes  | <span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> Lakes | <span style="border: 2px solid purple; display: inline-block; width: 20px; height: 10px;"></span> TOML Municipal Boundary |
| <span style="border: 2px dashed blue; display: inline-block; width: 20px; height: 10px;"></span> LABSS Study Area                         | <span style="color: blue;">—</span> Streams   | <span style="border: 2px solid blue; display: inline-block; width: 20px; height: 10px;"></span> TOML Planning Area        |
| <span style="background-color: lightgreen; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> Wilderness | <span style="color: black;">—</span> Centerlines  | <span style="border: 2px solid orange; display: inline-block; width: 20px; height: 10px;"></span> TOML Urban Limit        |

Lakes Basin Special Study (LABSS)  
Existing Conditions - Study Area, Geography and Jurisdictions  
Map 1.0

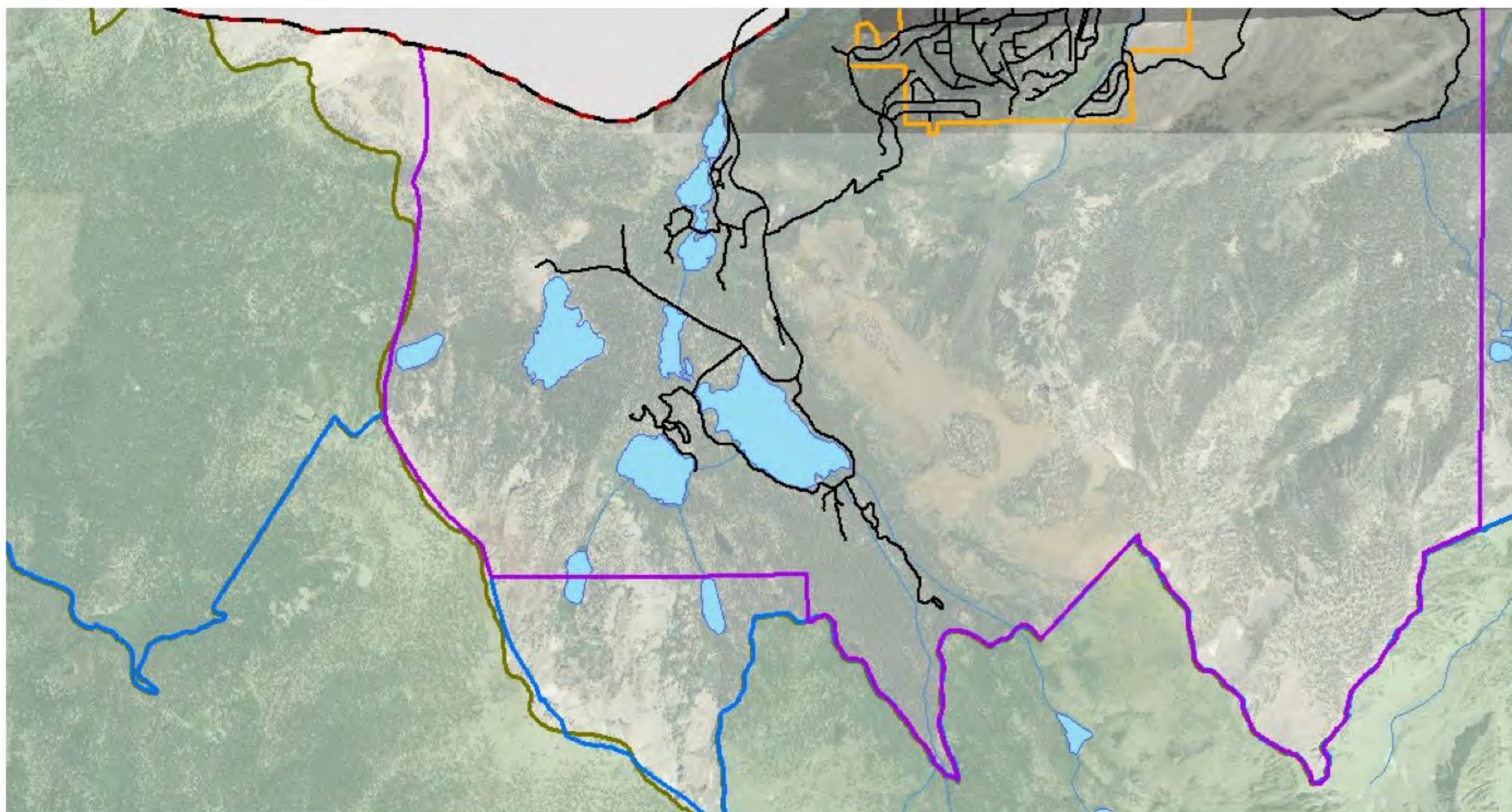
Map Draft Date 09/27/10



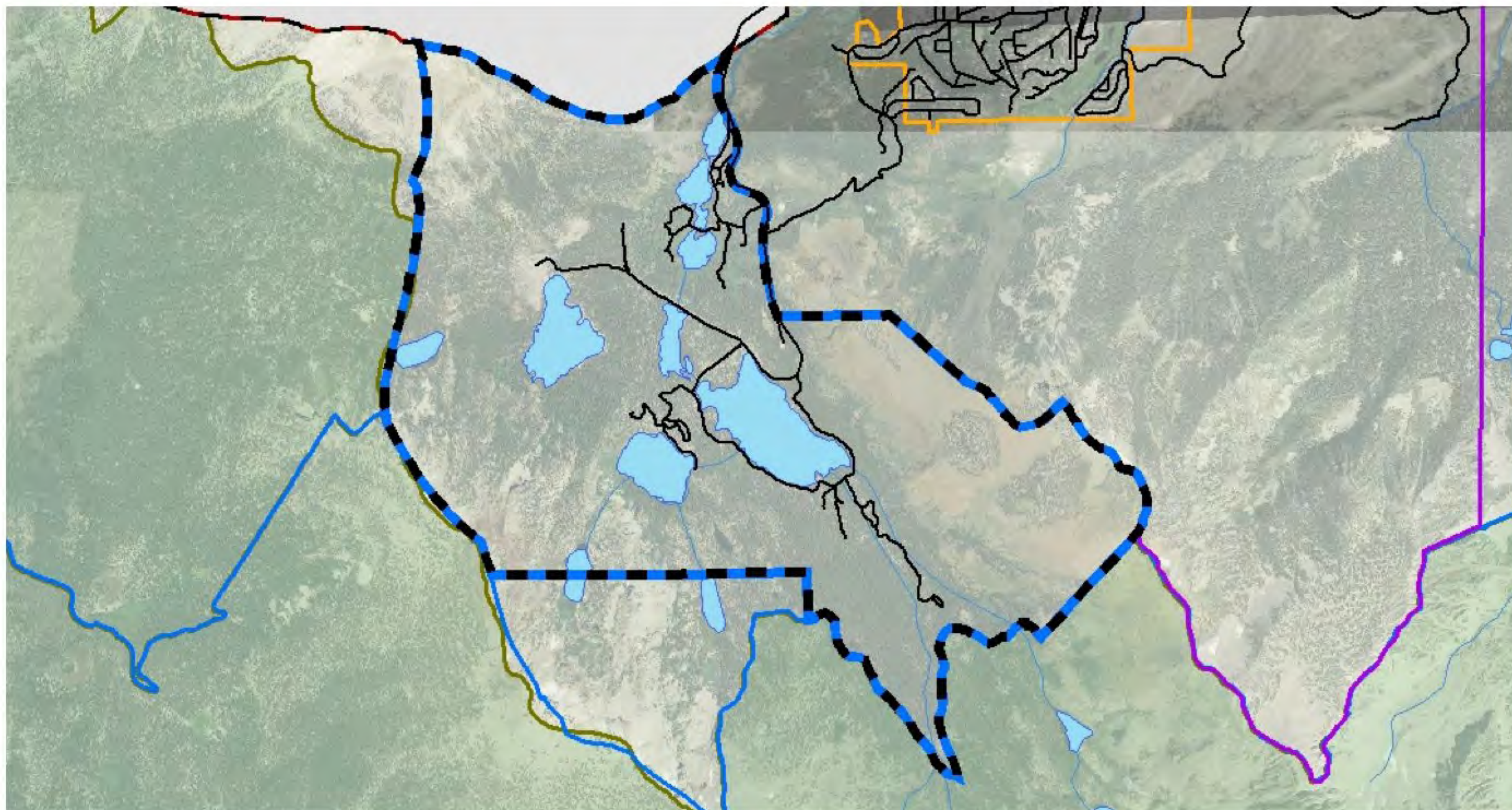
- Defining the Study Area
  - Municipal Boundary
    - Town of Mammoth Lakes
  - Mammoth Mountain Ski Area
  - Wilderness
    - Ansel Adams
    - John Muir







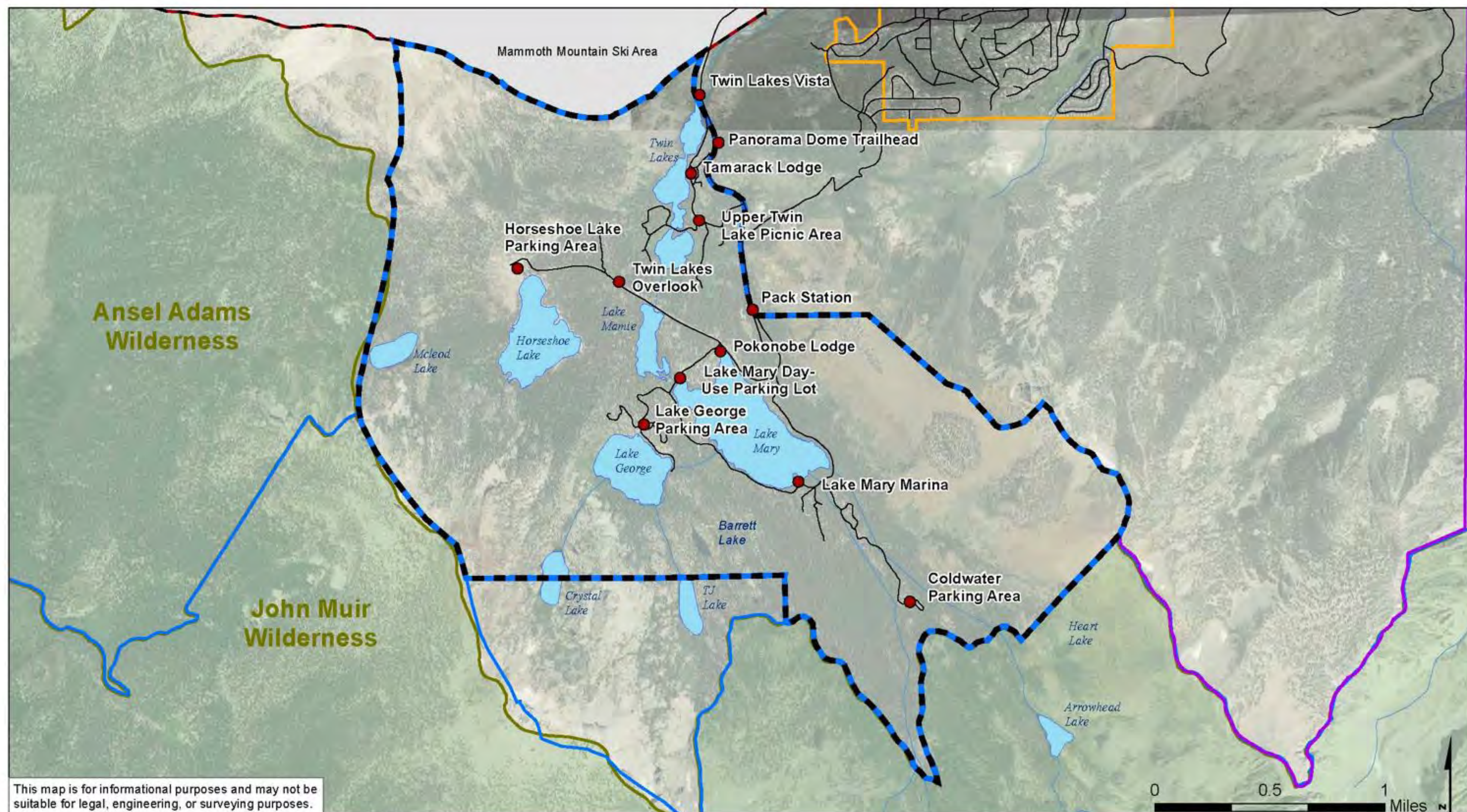




LABSS Study Area Boundary



# Existing Conditions: Study Area – Map 1.0



## Legend

- |   |   |   |
|---|---|---|
| <span style="color: red;">●</span> LABSS Nodes  | <span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> Lakes | <span style="border: 2px solid purple; display: inline-block; width: 20px; height: 10px;"></span> TOML Municipal Boundary |
| <span style="border: 2px dashed black; display: inline-block; width: 20px; height: 10px;"></span> LABSS Study Area                        | <span style="color: blue;">—</span> Streams   | <span style="border: 2px solid blue; display: inline-block; width: 20px; height: 10px;"></span> TOML Planning Area        |
| <span style="background-color: lightgreen; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> Wilderness | <span style="color: black;">—</span> Centerlines  | <span style="border: 2px solid orange; display: inline-block; width: 20px; height: 10px;"></span> TOML Urban Limit        |

Lakes Basin Special Study (LABSS)  
Existing Conditions - Study Area, Geography and Jurisdictions  
Map 1.0

Map Draft Date 09/27/10



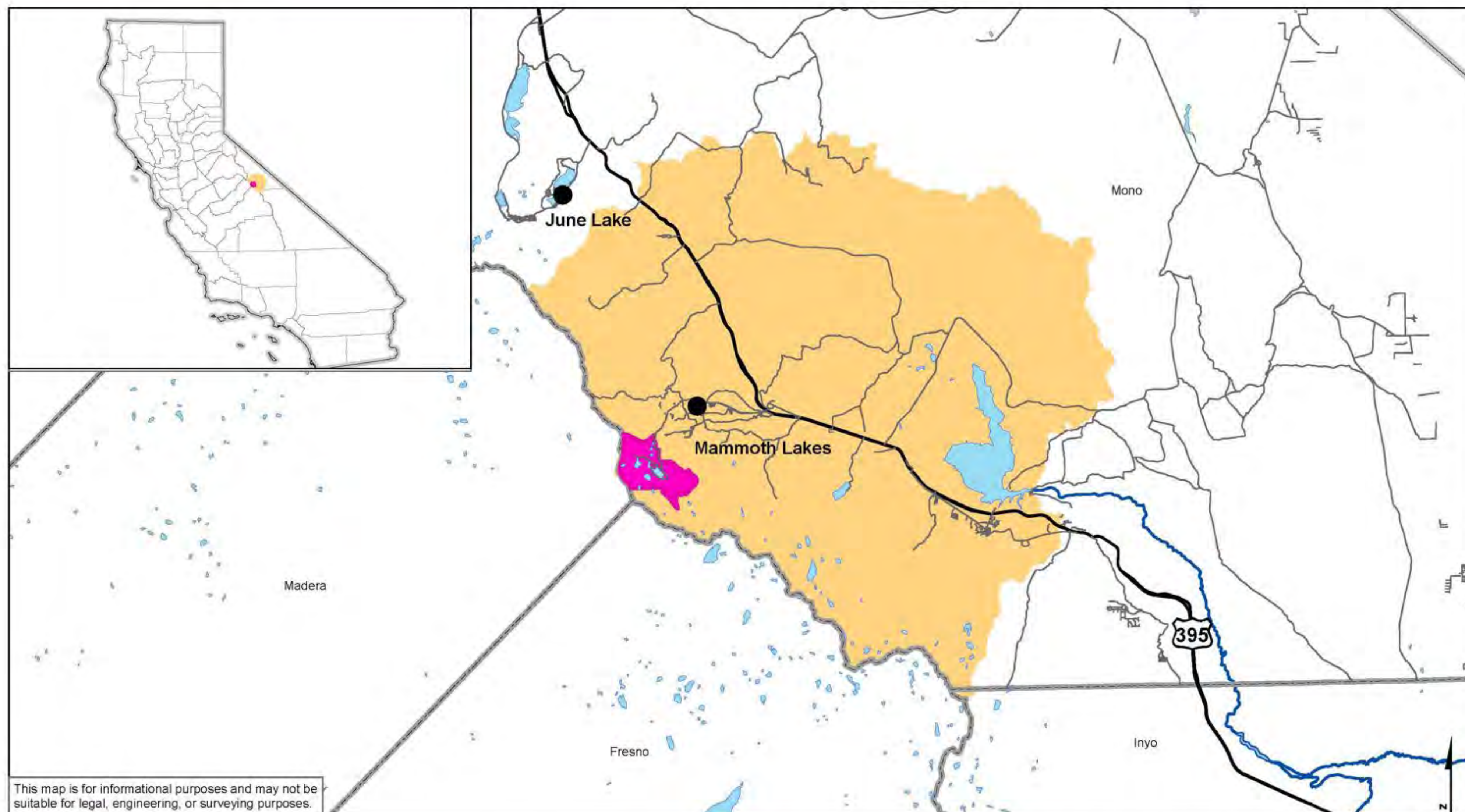


- Watershed
  - Abundant Streams and Lakes
  - Upper Owens
  - Headwaters to Mammoth Creek
  - Mammoth Community Water District





# Existing Conditions: Geography – Map 1.1



## Legend

- |                                 |                       |             |
|---------------------------------|-----------------------|-------------|
| Hot Creek-Owens River Watershed | California Counties   | US Highways |
| LABSS Study Area                | Lakes                 | Roads       |
| State of California             | Owens River and Canal |             |

Lakes Basin Special Study (LABSS)  
Existing Conditions - Watershed/Locator  
Map 1.1

Map Draft Date 09/27/10





- Watershed
  - Abundant Streams and Lakes
  - Upper Owens
  - Headwaters to Mammoth Creek
  - Mammoth Community Water District
  
- Geologic Processes
  - Carbon Dioxide

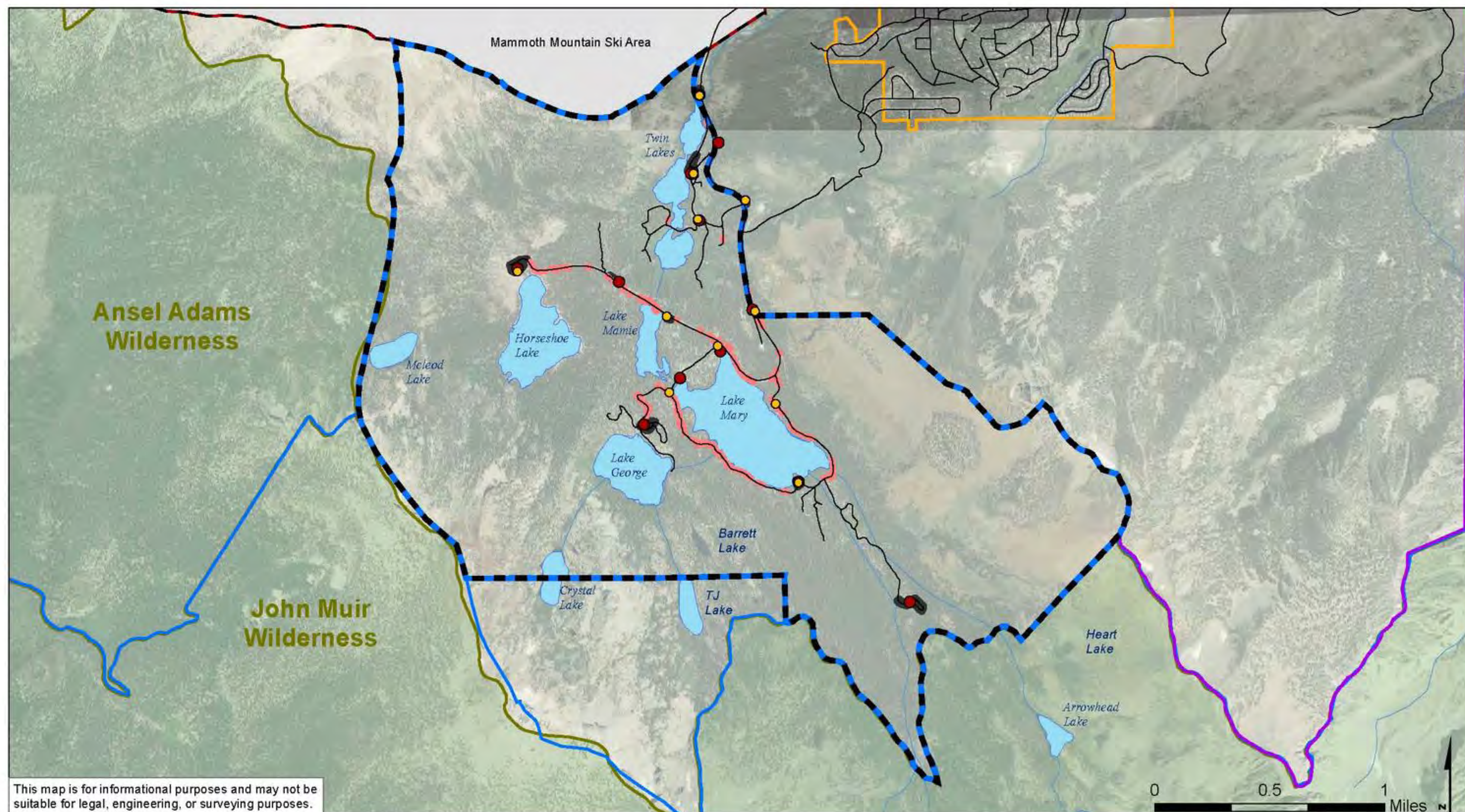


## Existing Conditions: Geography



- Watershed
  - Abundant Streams and Lakes
  - Upper Owens
  - Headwaters to Mammoth Creek
  - Mammoth Community Water District
- Geologic Processes
  - Carbon Dioxide
- Wildfire and Vegetation Management





## Legend

- |  |  |   |   |
|--|--|---|---|
| <span style="color: red;">●</span> LABSS Nodes   | <span style="color: orange;">●</span> Bus Stops  | <span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> Lakes   | <span style="border: 2px solid purple; display: inline-block; width: 20px; height: 10px;"></span> TOML Municipal Boundary |
| <span style="border: 2px dashed black; display: inline-block; width: 20px; height: 10px;"></span> LABSS Study Area | <span style="background-color: red; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> Off-Road Parking | <span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> Streams | <span style="border: 2px solid blue; display: inline-block; width: 20px; height: 10px;"></span> TOML Planning Area        |
| <span style="border: 2px solid green; display: inline-block; width: 20px; height: 10px;"></span> Wilderness        | <span style="background-color: black; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> Paved Parking  | <span style="border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> Centerlines                          | <span style="border: 2px solid orange; display: inline-block; width: 20px; height: 10px;"></span> TOML Urban Limit        |

Lakes Basin Special Study (LABSS)  
Existing Conditions - Transportation Infrastructure  
Map 1.2

Map Draft Date 09/27/10





- Roads
  - Lake Mary Road
  - Old Mammoth Road
  - Twin Lakes Road
  - Lake Mary Loop Road



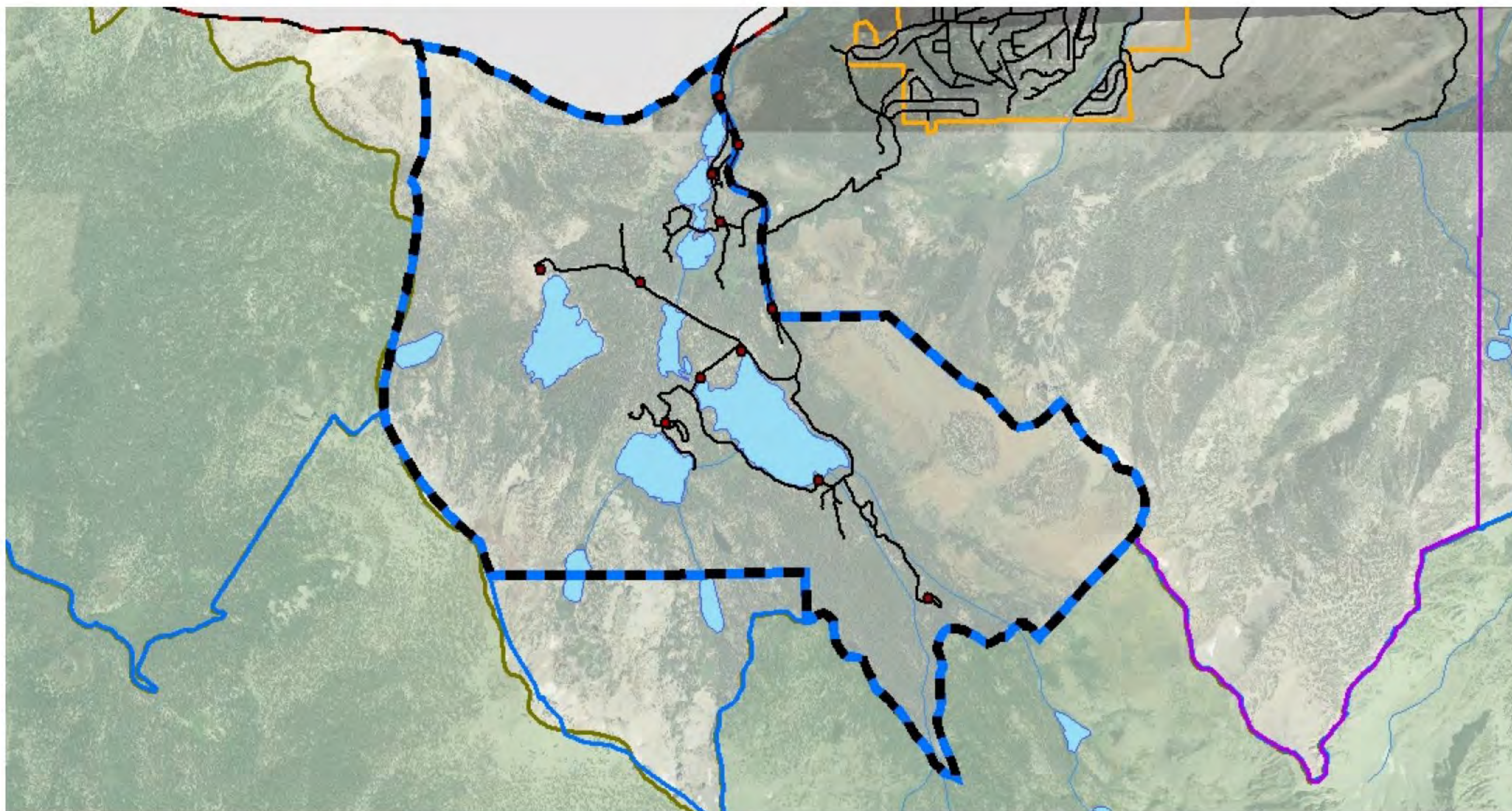




- Roads
  - Lake Mary Road
  - Old Mammoth Road
  - Twin Lakes Road
  - Lake Mary Loop Road
- Parking
  - Paved vs. Off-Road
  - ADA, Equestrian, Trailer

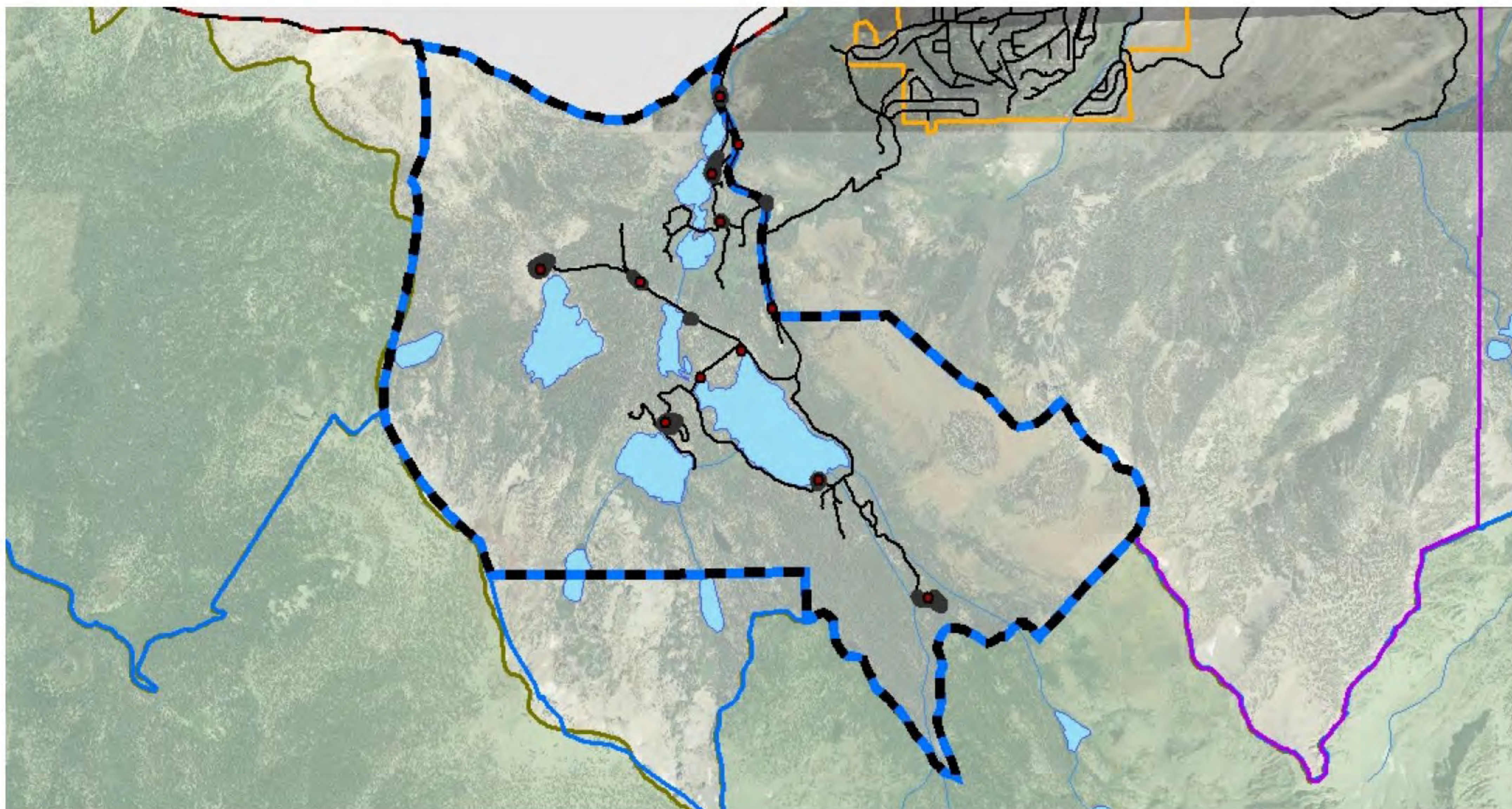






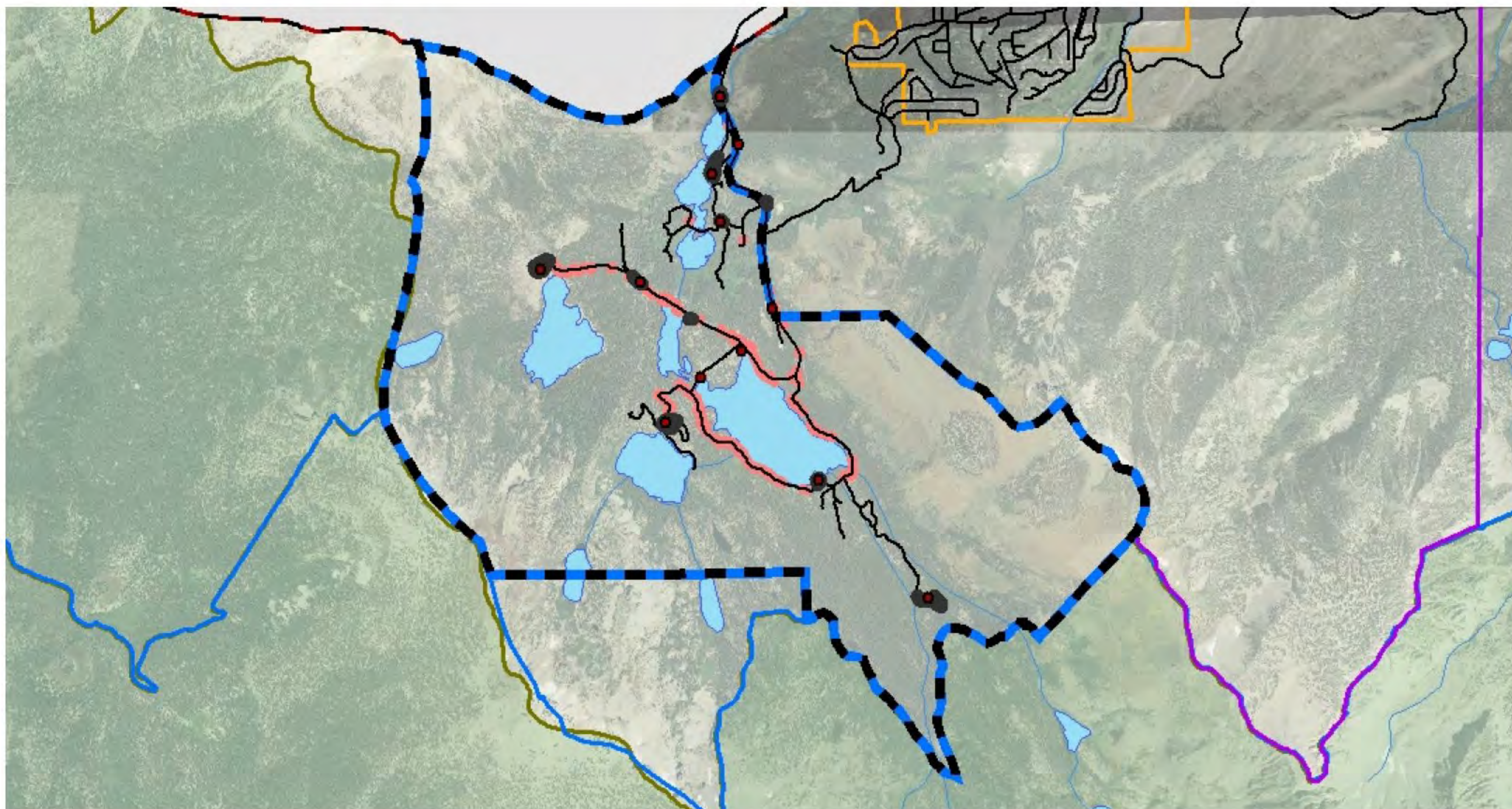
Base Map





Base Map + Paved Parking Spaces





Base Map + Paved Parking Spaces + Unimproved Dirt Spaces



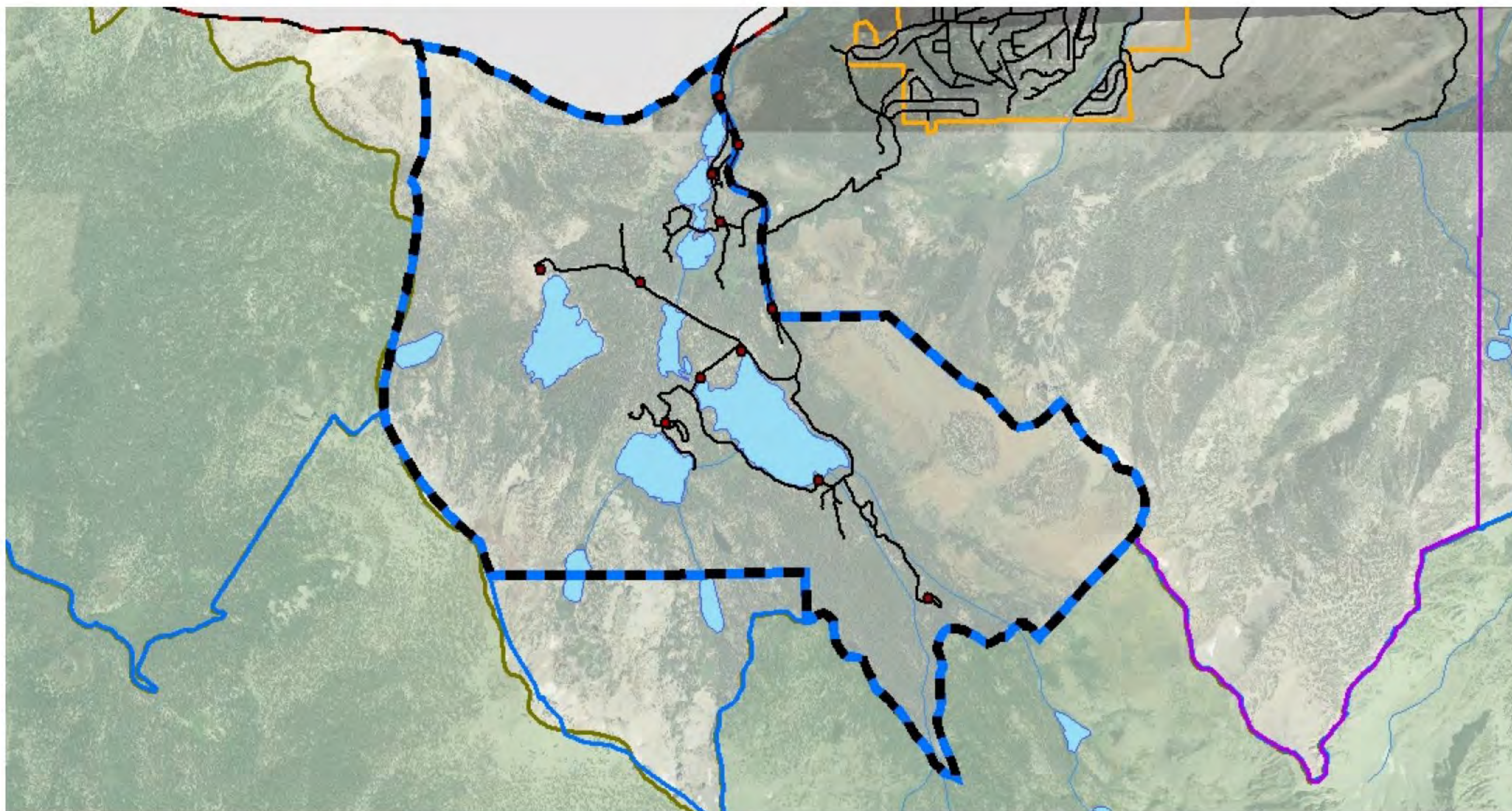






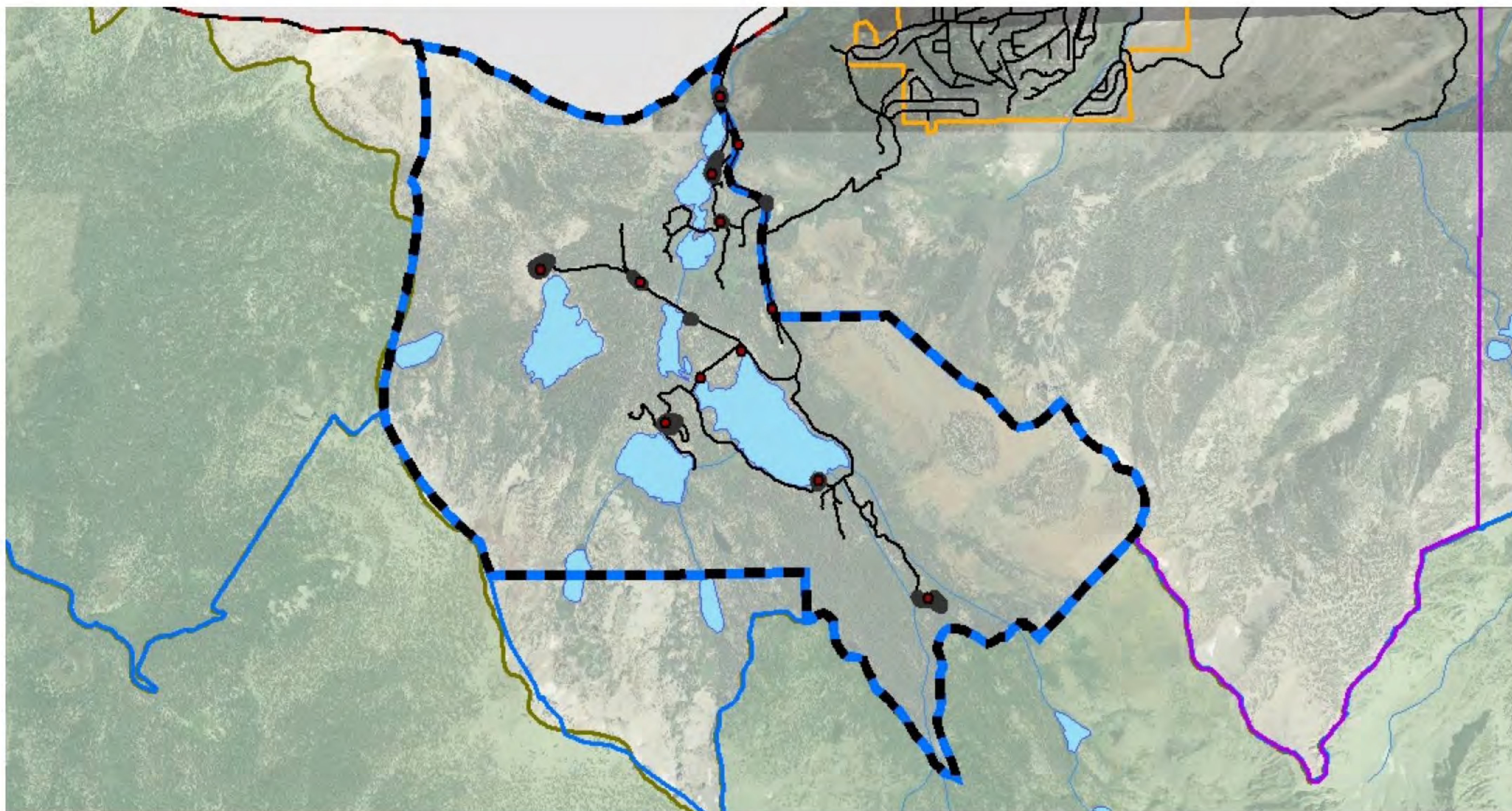
- Roads
  - Lake Mary Road
  - Old Mammoth Road
  - Twin Lakes Road
  - Lake Mary Loop Road
- Parking
  - Paved vs. Unimproved
  - ADA, Equestrian, Trailer
- Transit Service
  - Clang, clang, clang went the trolley





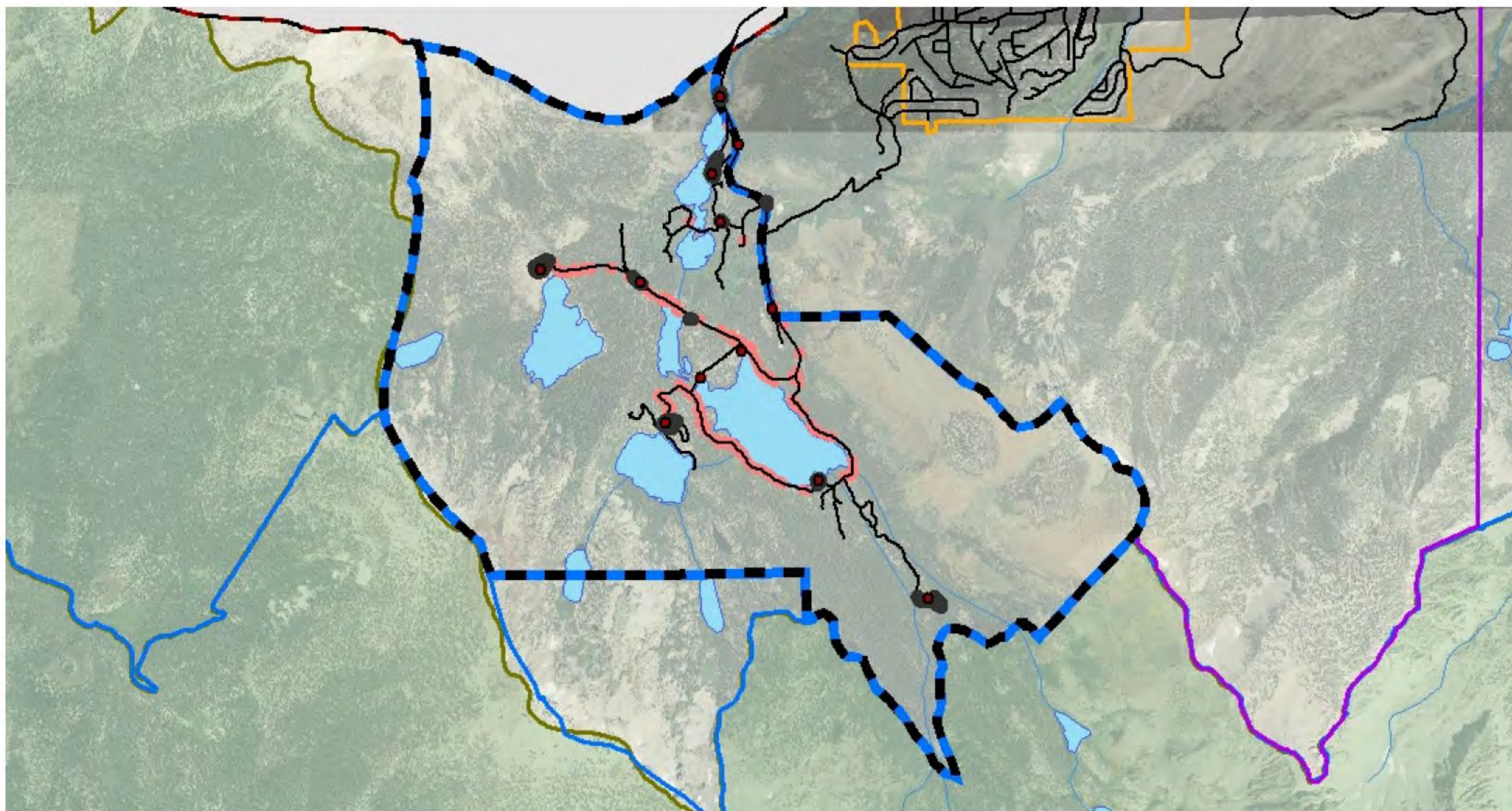
Base Map





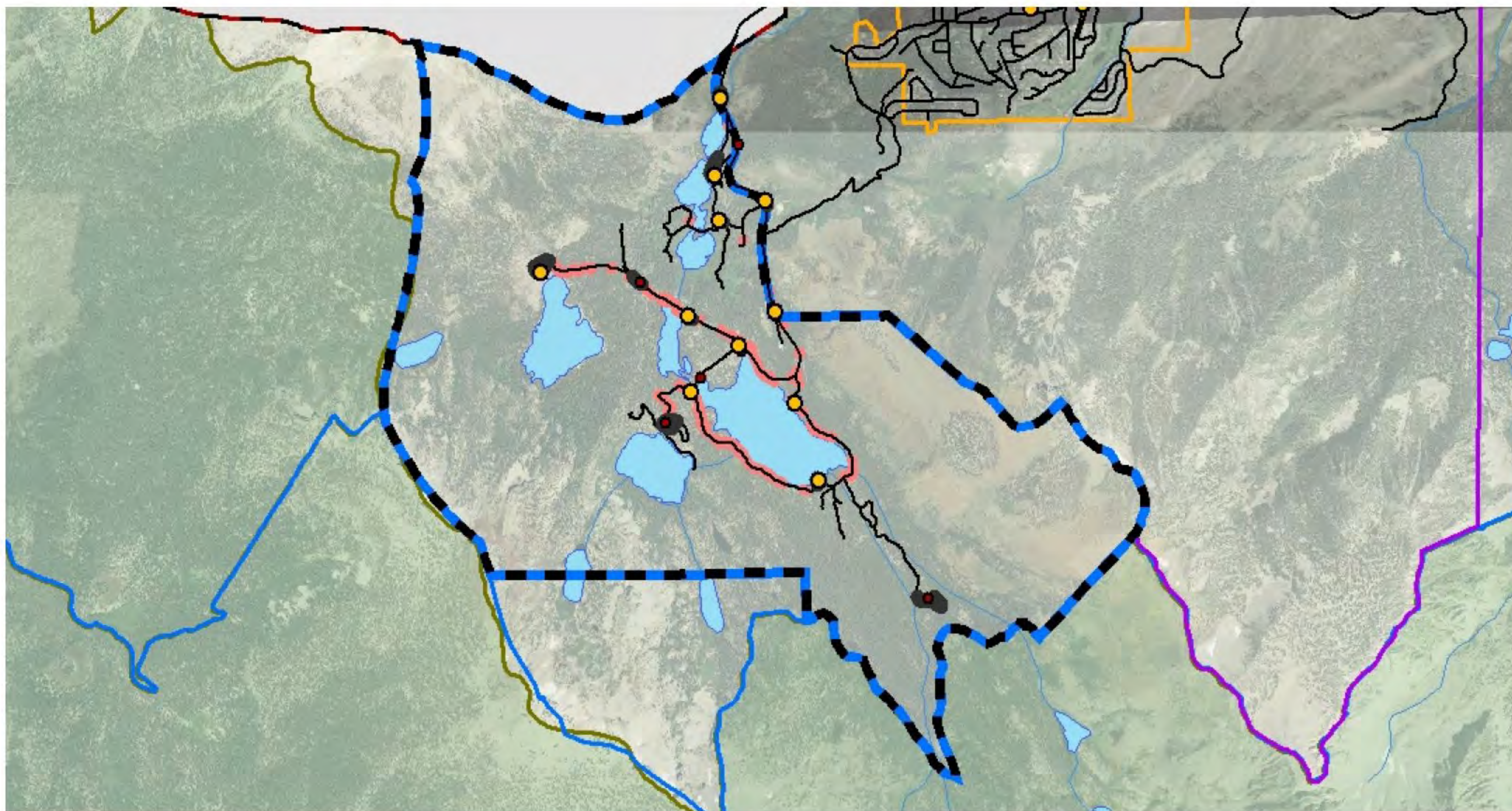
Base Map + Paved Parking Spaces





Base Map + Paved Parking Spaces + Unimproved Dirt Spaces





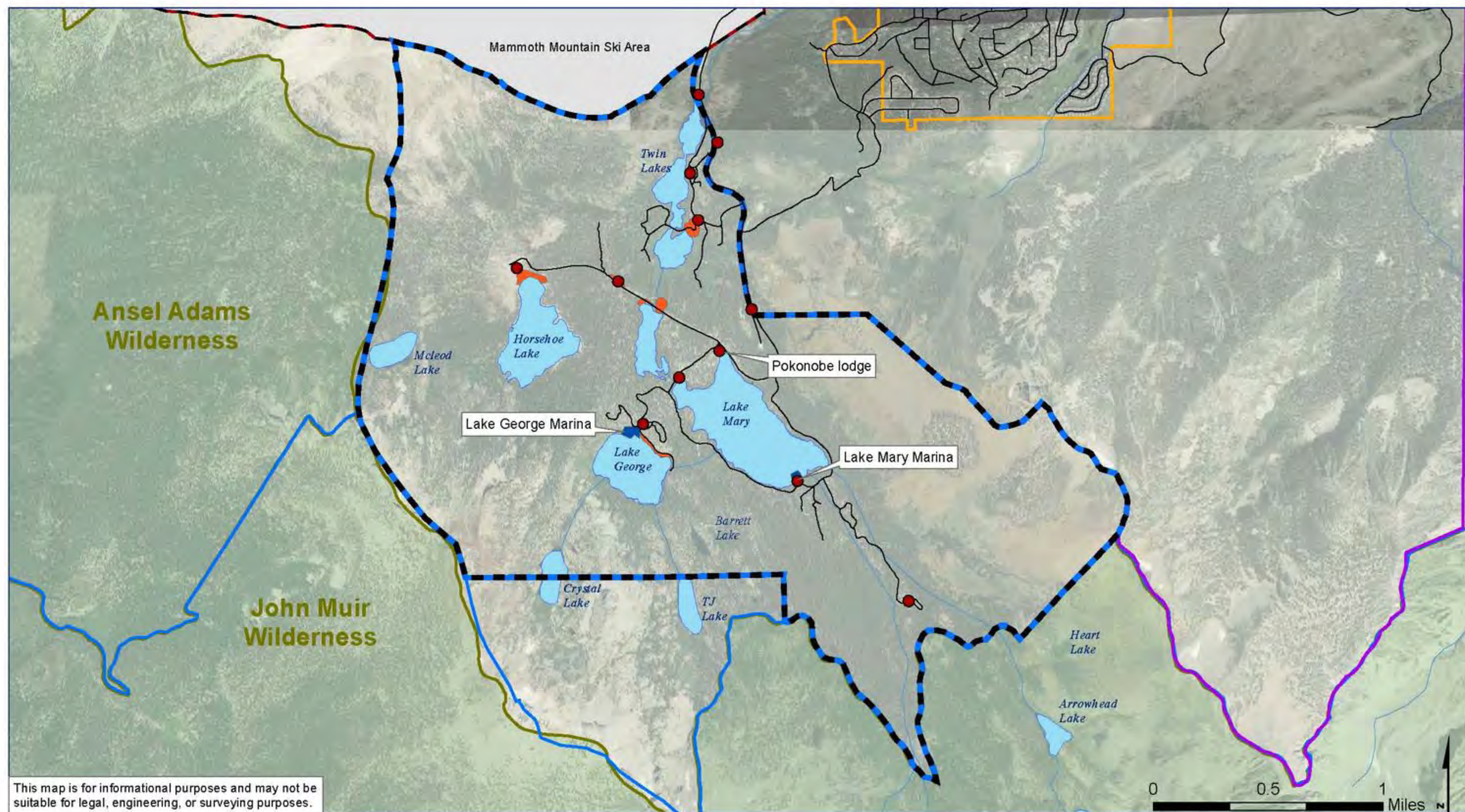
Base Map + Paved Parking Spaces + Unimproved Dirt Spaces + Transit Stops







# Existing Conditions: Lakes and Day Use – Map 1.3



## Legend

- |                    |                           |                      |                |
|--------------------|---------------------------|----------------------|----------------|
| ● LABSS Nodes      | — Streams                 | □ TAML Planning Area | ■ Day-Use Area |
| ▬ LABSS Study Area | — Centerlines             | □ TAML Urban Limit   | ■ Lakes        |
| ▬ Wilderness       | ▬ TAML Municipal Boundary | ■ Marina             |                |

Lakes Basin Special Study (LABSS)  
Existing Conditions - Lakes and Day-Use Areas  
Map 1.3

Map Draft Date 09/27/10



- Lakes
  - Boating
  - Fishing
  - Swimming





- Lakes
  - Boating
  - Fishing
  - Swimming
- Day Use Areas

























- Lakes
  - Boating
  - Fishing
  - Swimming
- Day Use Areas
- Marinas
  - Lake Mary Marina
  - Pokonobe Lodge
  - Lake George Marina

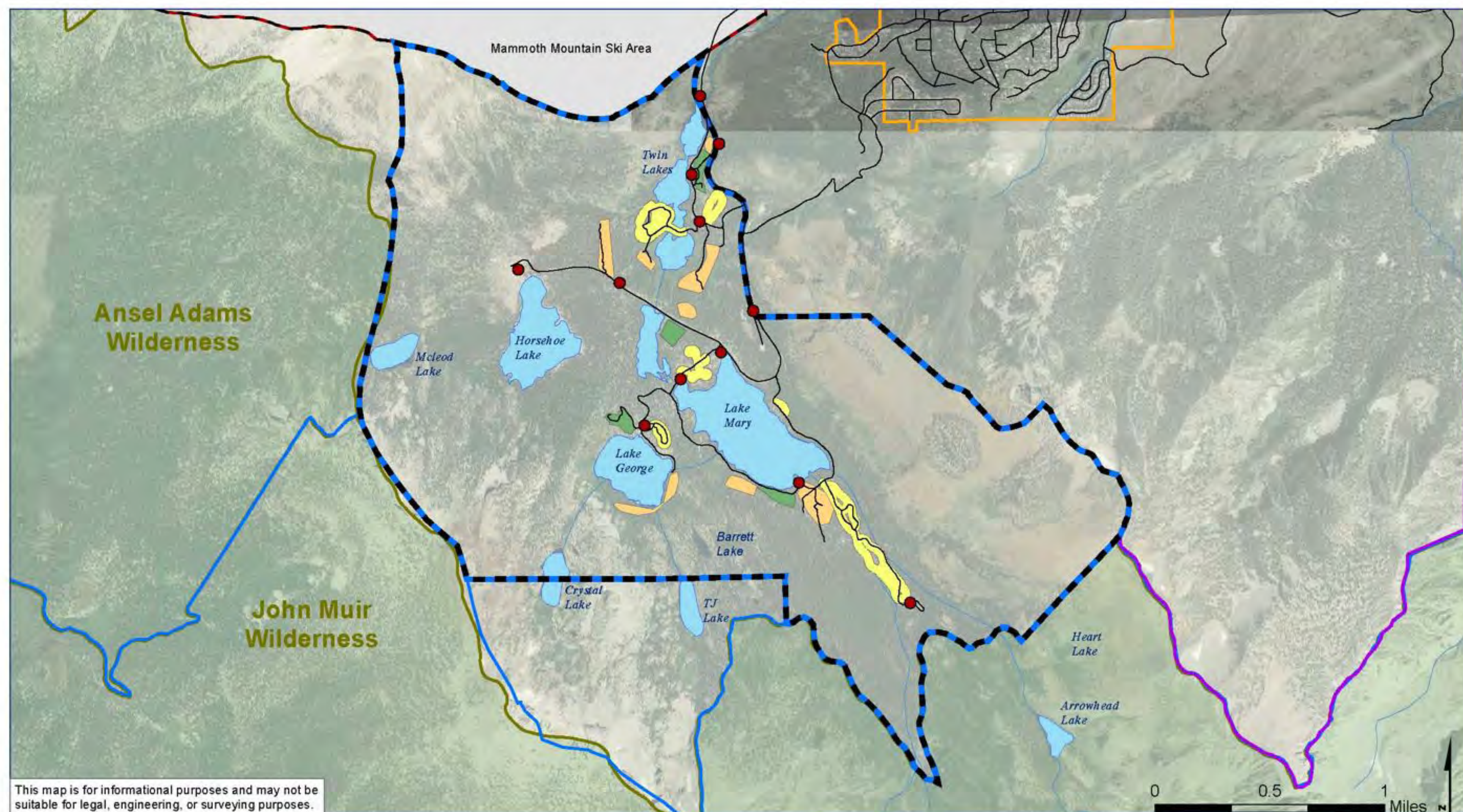








# Existing Conditions: Campgrounds and Lodges – Map 1.5



## Legend

- |                           |               |                      |
|---------------------------|---------------|----------------------|
| ● LABSS Nodes             | ■ Lakes       | ■ TOWL Planning Area |
| ■ LABSS Study Area        | ■ Streams     | ■ TOWL Urban Limit   |
| ■ Wilderness              | ■ Centerlines | ■ Cabin Tracts       |
| ■ TOWL Municipal Boundary | ■ Lodge       | ■ Campground         |

Lakes Basin Special Study (LABSS)  
Existing Conditions - Campgrounds and Lodges  
Map 1.5

Map Draft Date 09/27/10



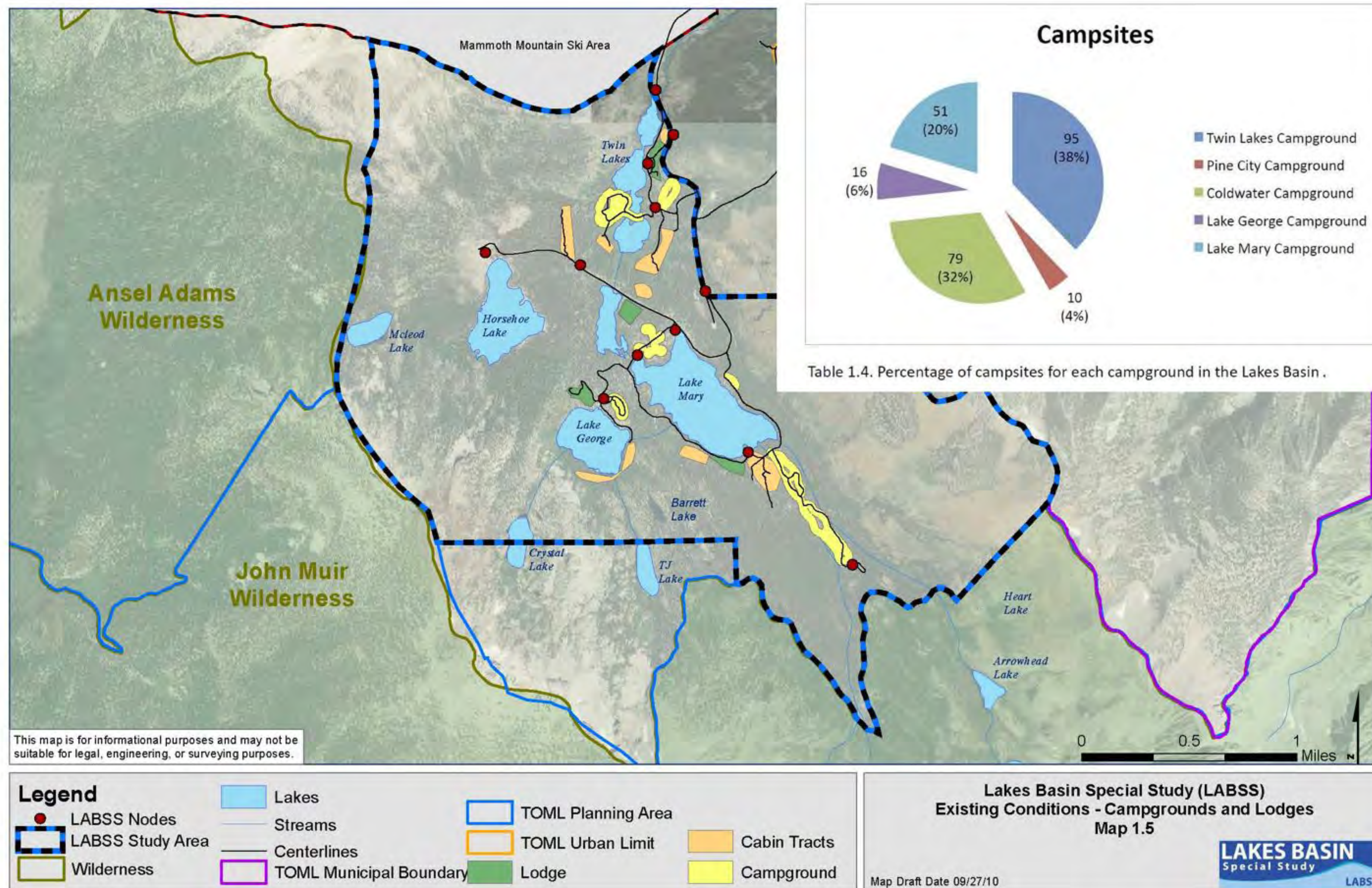


- Campgrounds
  - Twin Lakes, Lake Mary, Lake George, Coldwater, and Pine City





# Existing Conditions: Campgrounds and Lodges – Map 1.5





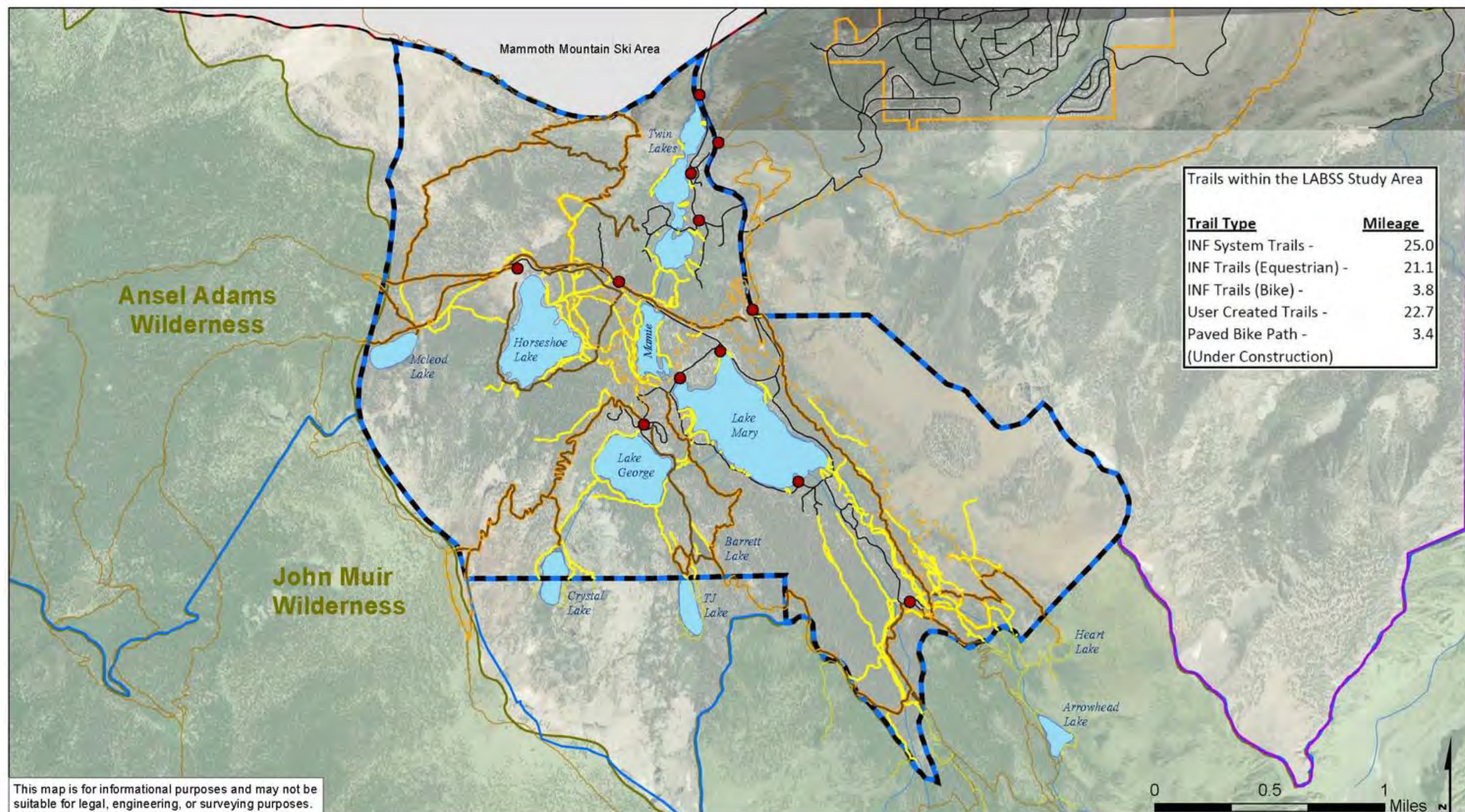
## Existing Conditions: Campgrounds and Lodges



- Campgrounds
  - Twin Lakes, Lake Mary, Lake George, Coldwater, and Pine City
- Lodges
  - Tamarack
  - Woods
  - Wildyrie
  - Crystal Crag
- Cabin Tracts
  - Falls, Twin Falls, Lake George, Lake Mary, Upper Twin Lake, Twin Lakes



# Existing Conditions: Trails and Trailheads – Map 1.4



## Legend

- LABSS Nodes
- ▭ LABSS Study Area
- ▭ Wilderness
- INF System Trails
- User Created Trails
- Equestrian Trails
- ▭ Lakes
- Streams
- Centerlines
- ▭ TOML Municipal Boundary
- ▭ TOML Planning Area
- ▭ TOML Urban Limit

## Lakes Basin Special Study (LABSS) Existing Conditions - Trails and Trailheads Map 1.4

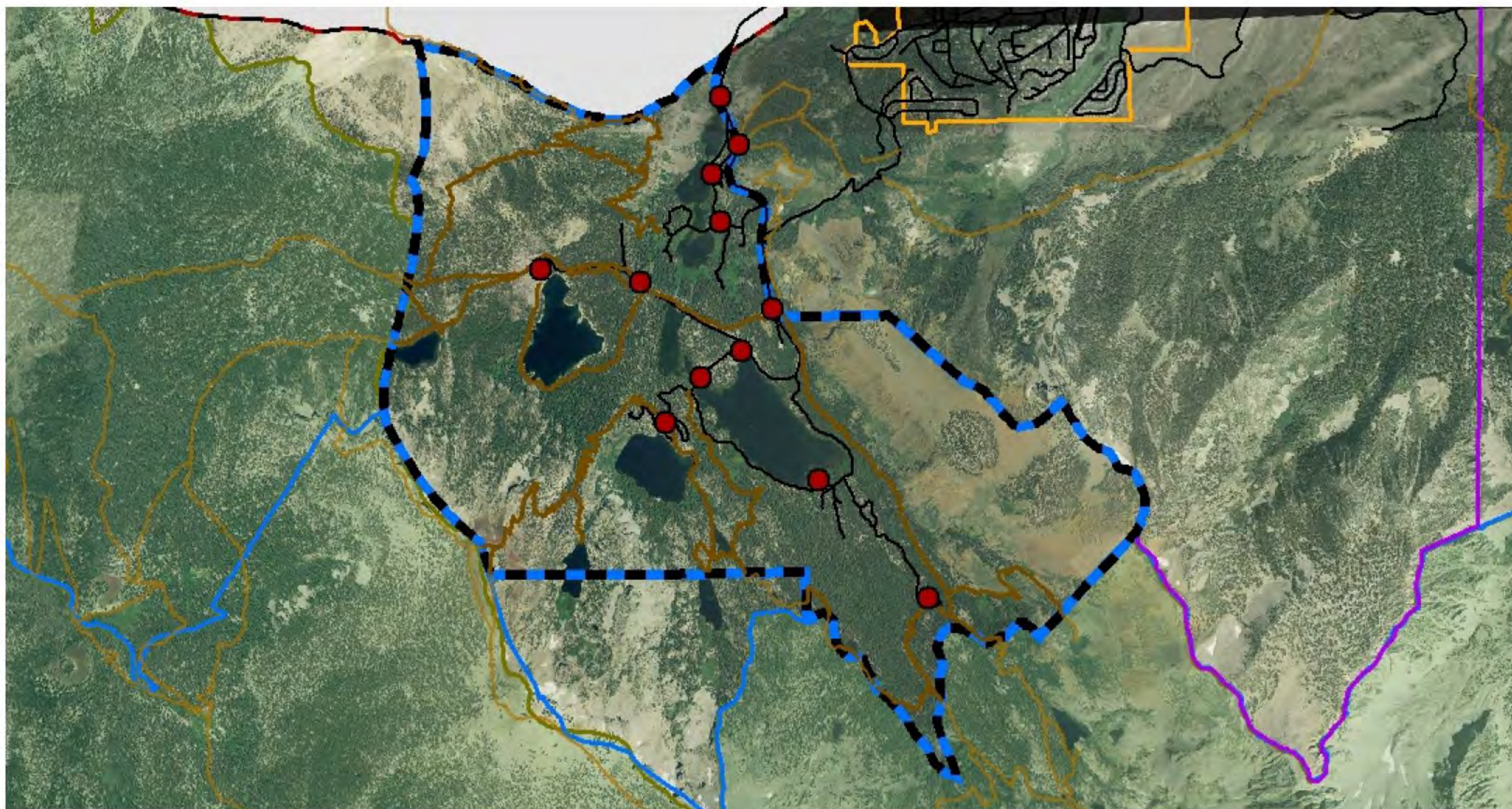
Map Draft Date 09/27/10



- Network of Trails
  - INF System Trails
  - Equestrian/Packer Trails
  - Unofficial User-Created Trails
  - Bike Trails

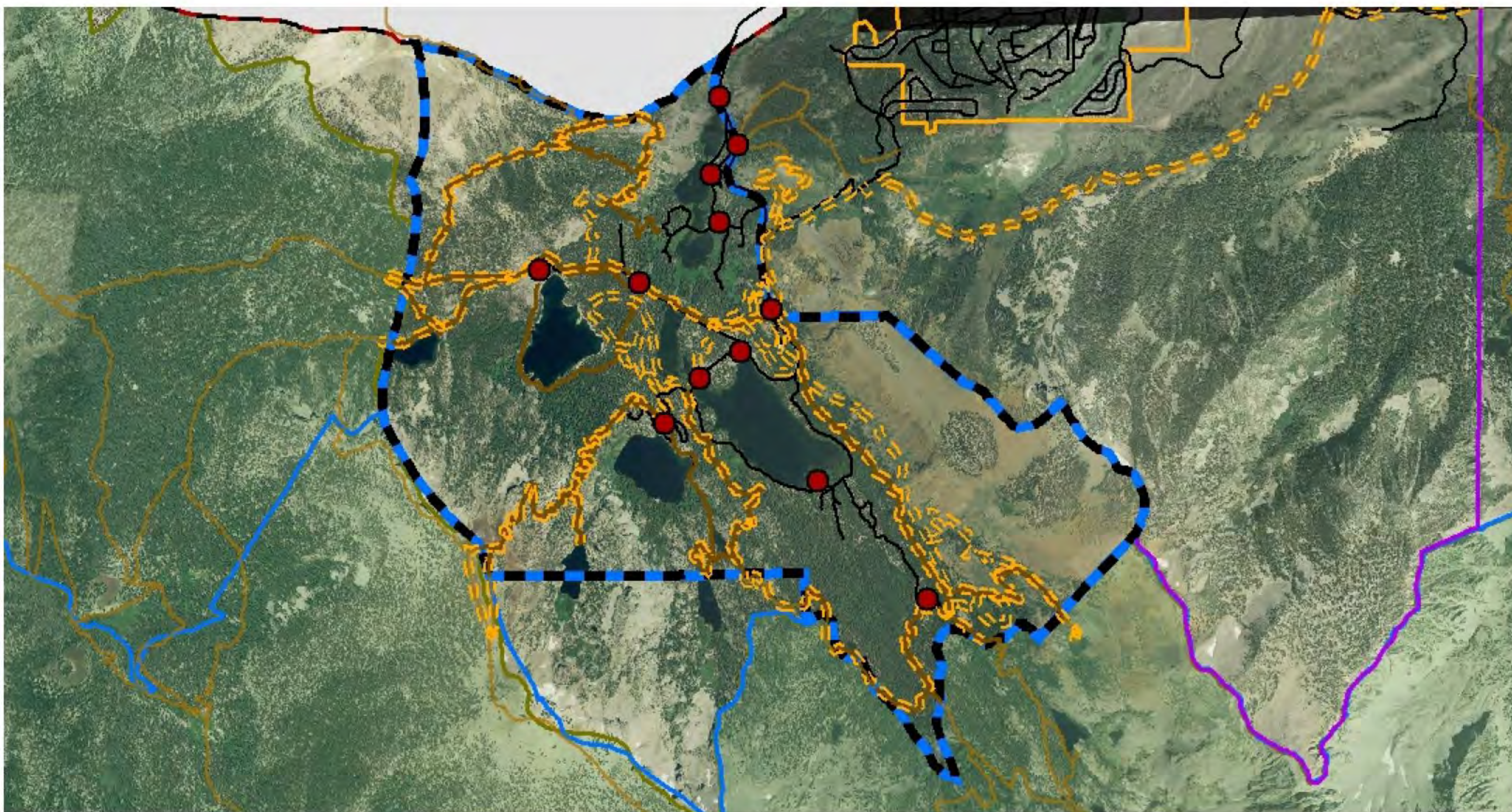






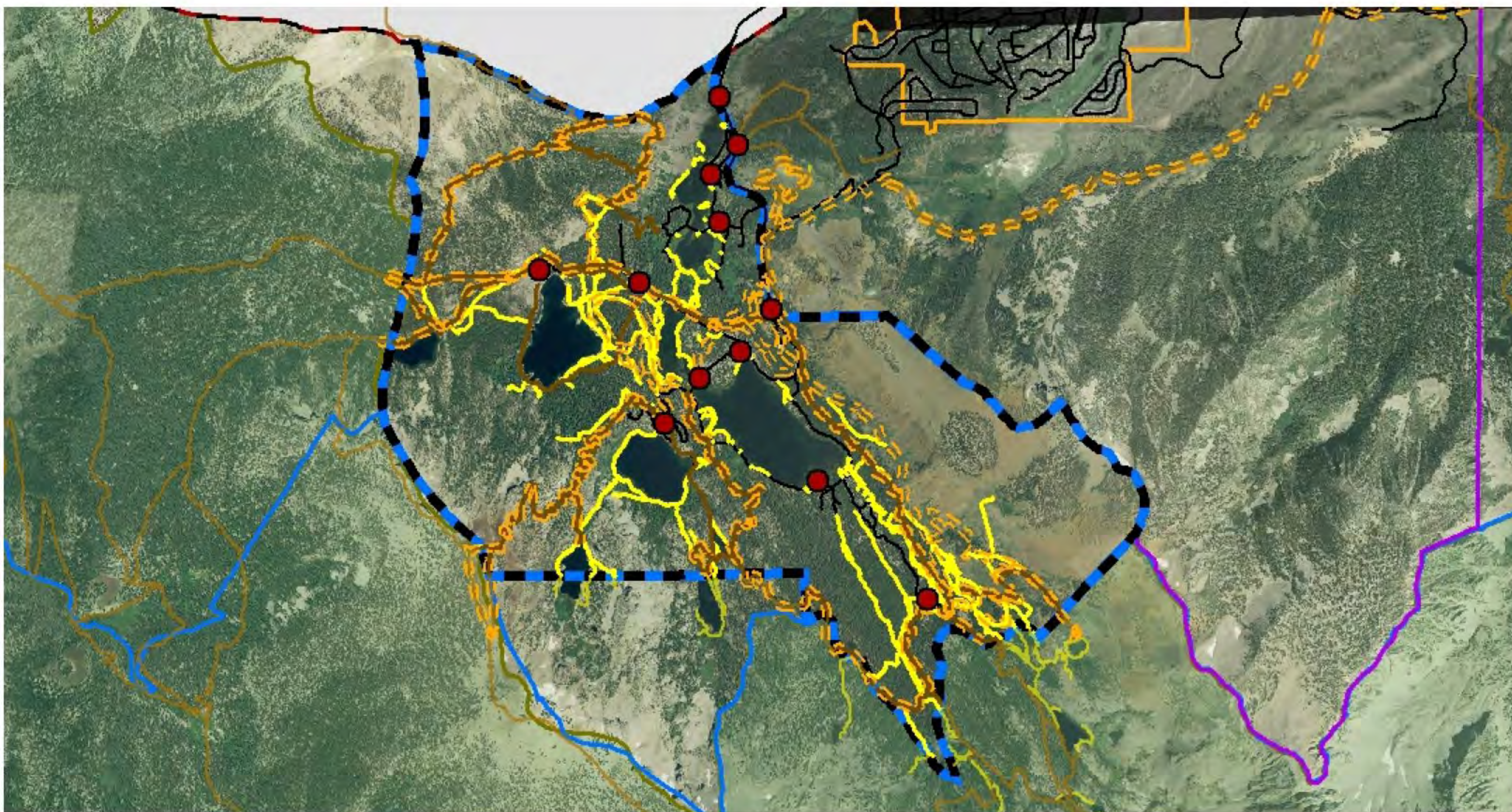
Base Map + INF System Trails





Base Map + INF System Trails + Equestrian Trails





Base Map + INF System Trails + Equestrian Trails + Use Trails



## Existing Conditions: Trails and Trailheads





## Existing Conditions: Trails and Trailheads





- Network of Trails
  - INF System Trails
  - Equestrian/Packer Trails
  - Unofficial User-Created Trails
  - Bike Trails
- Trailheads
  - Panorama Dome
  - Lake George, Coldwater, Horseshoe Lake







Base Map





Base Map + Recreation Sites





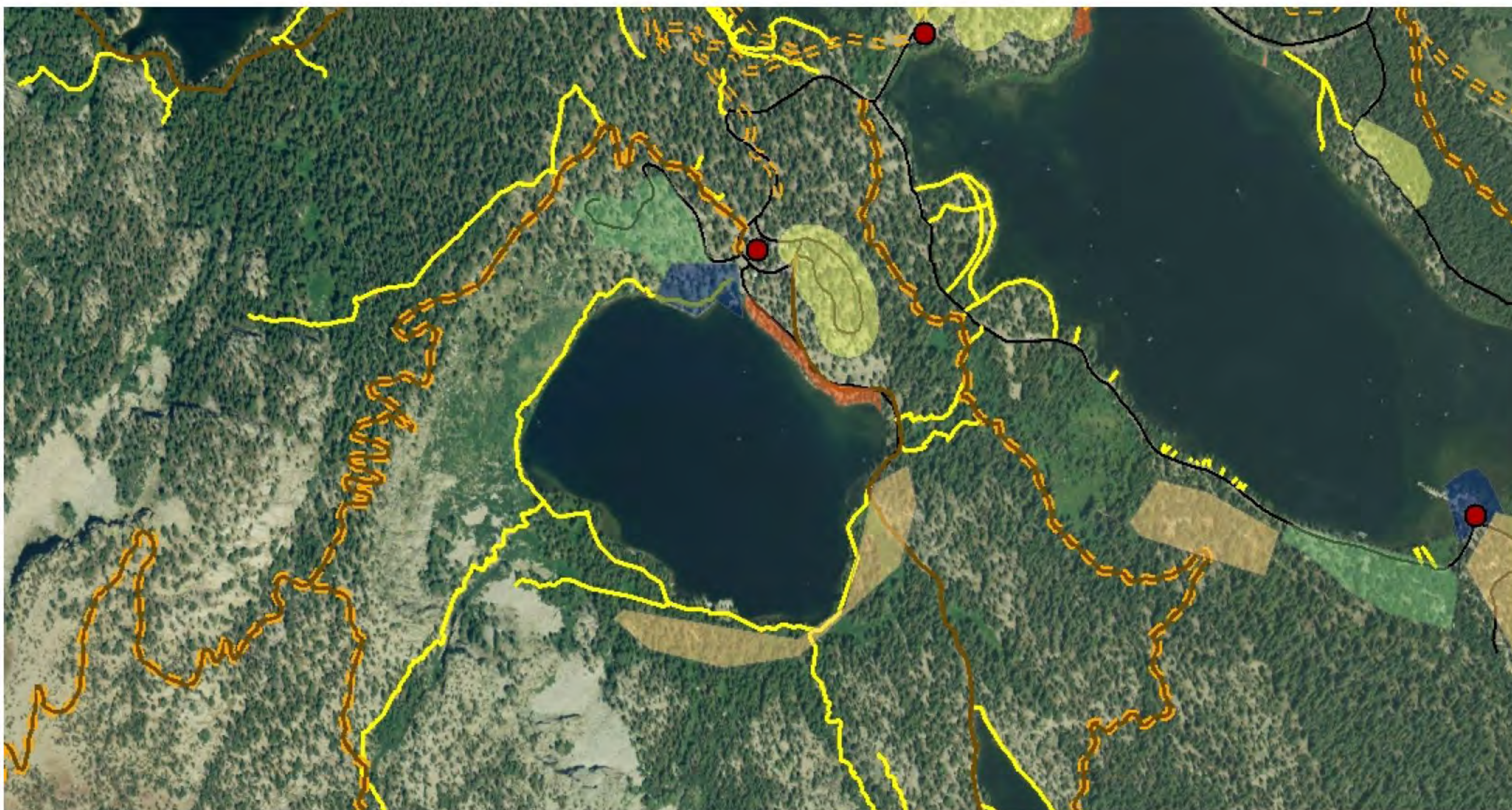
Base Map + Recreation Sites + INF System Trails





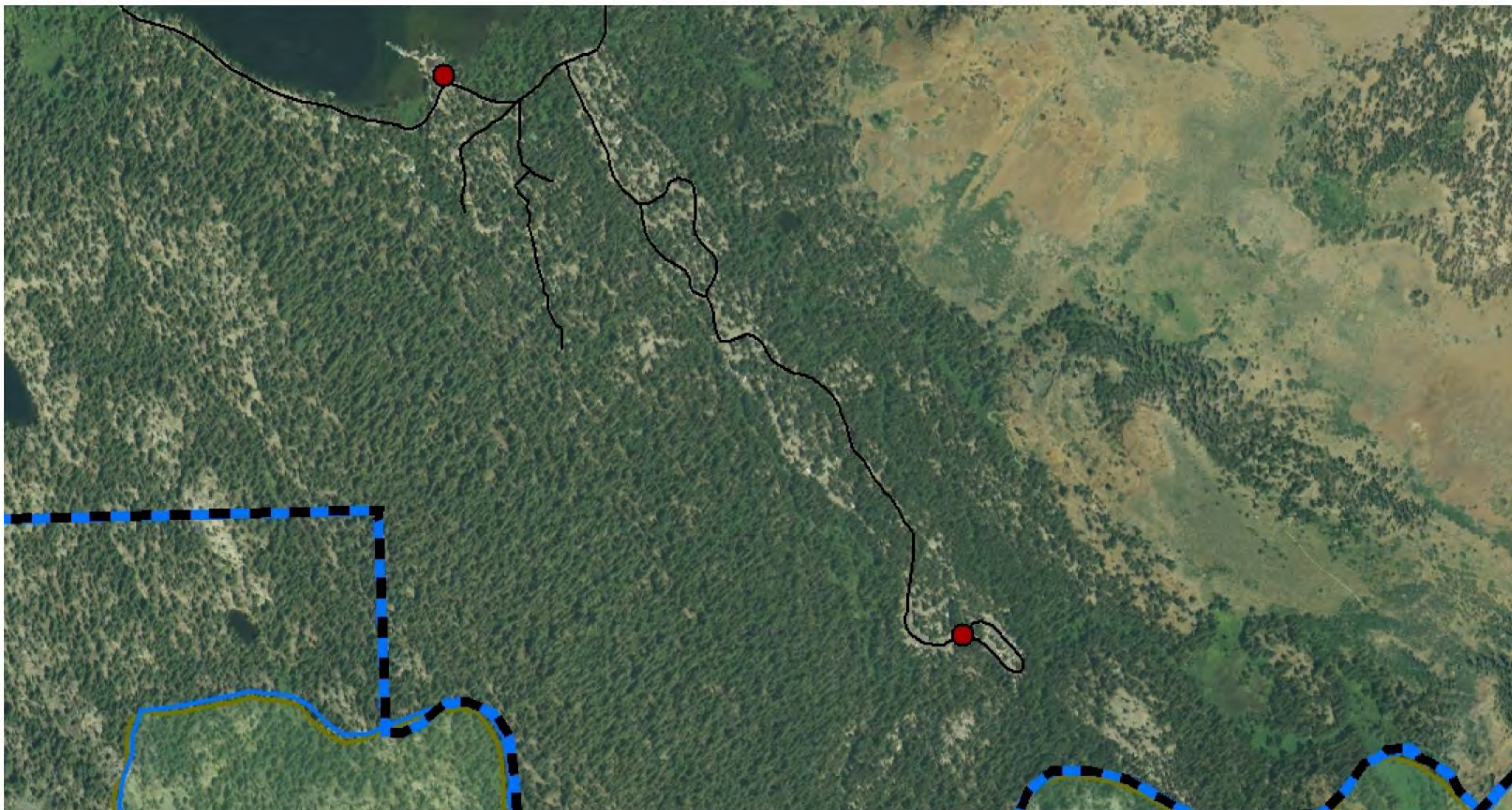
Base Map + Recreation Sites + INF System Trails + Equestrian Trails





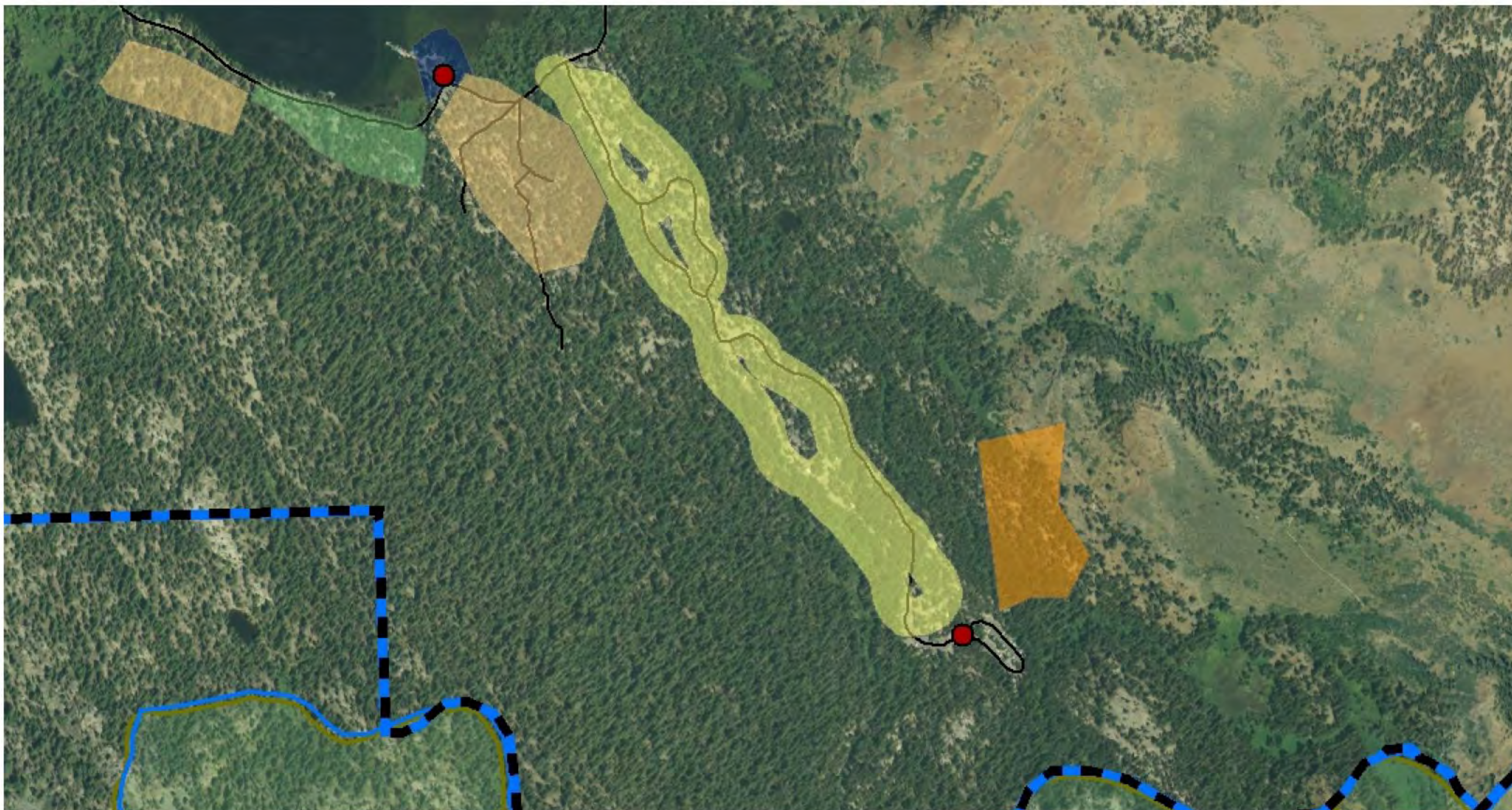
Base Map + Recreation Sites + INF System Trails + Equestrian Trails + Use Trails





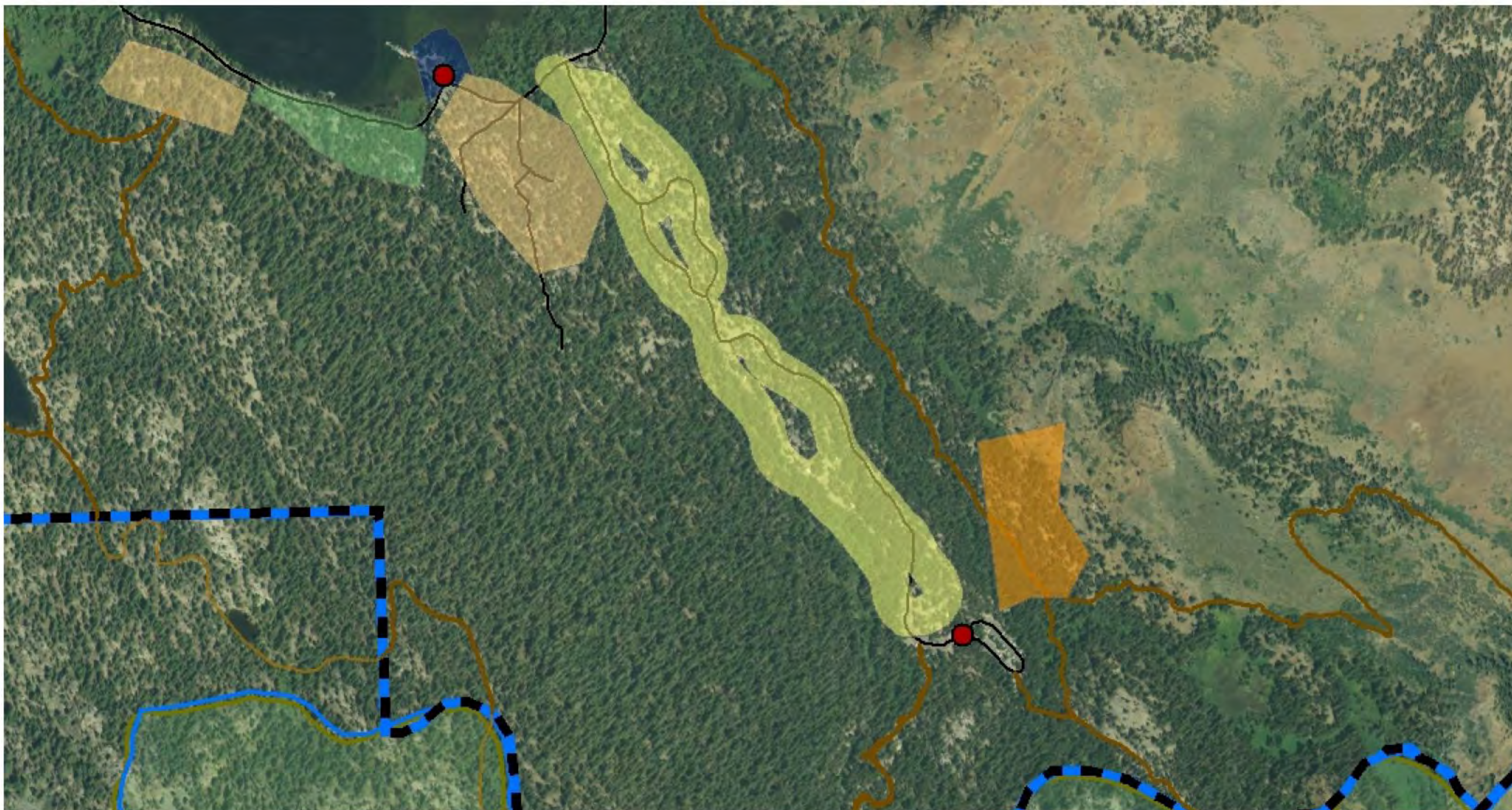
Base Map





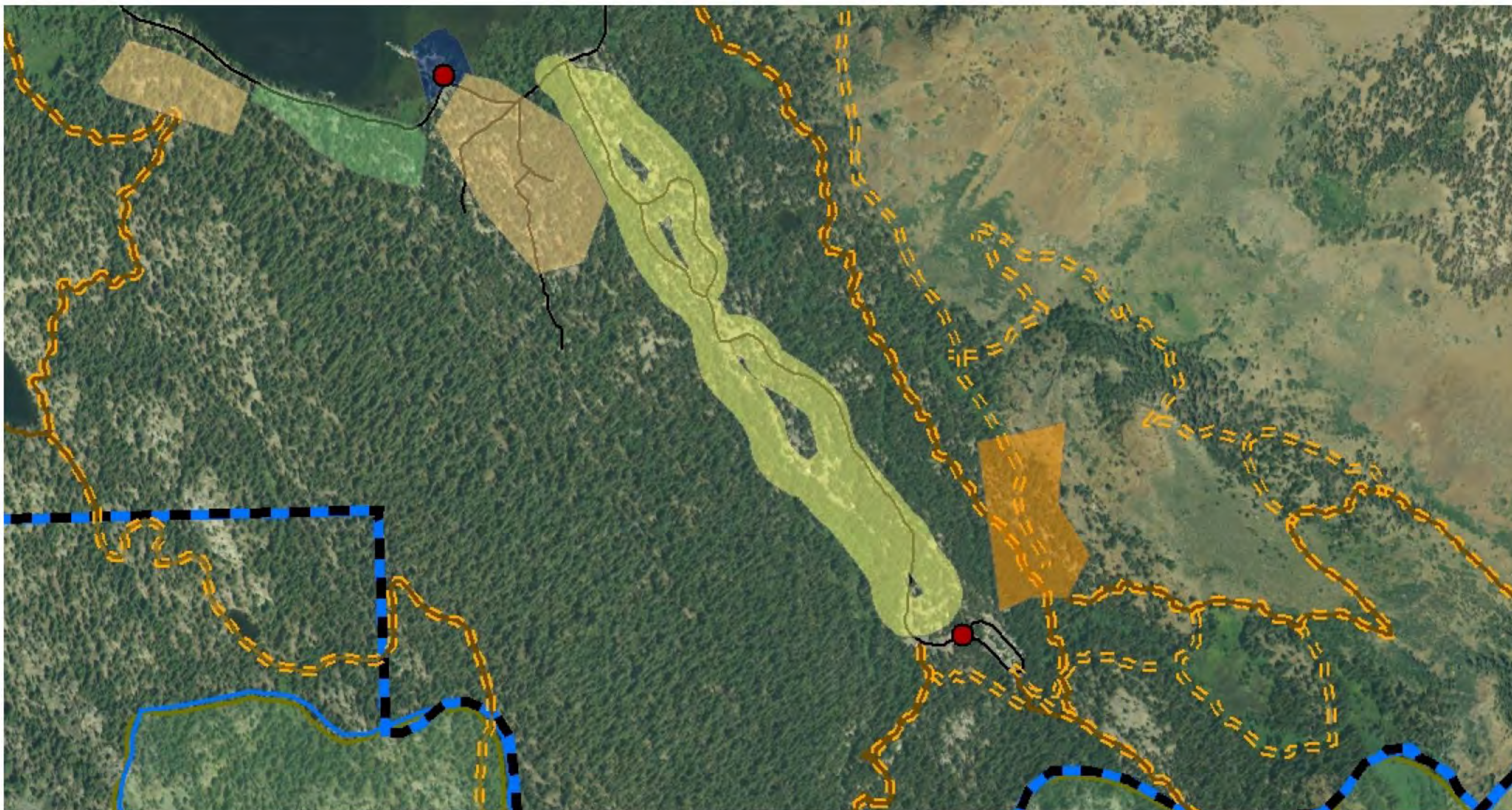
Base Map + Recreation Sites





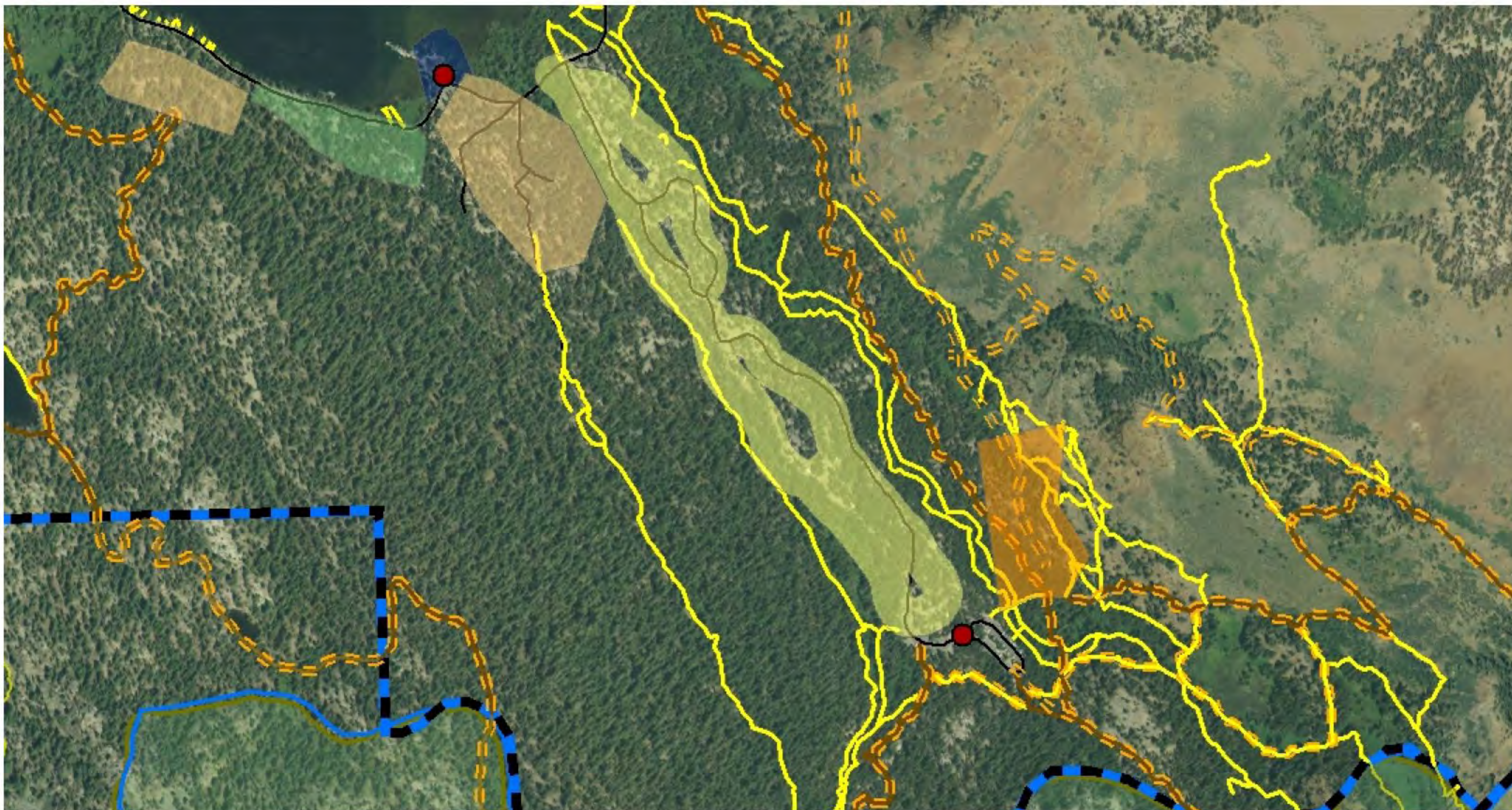
Base Map + Recreation Sites + INF System Trails





Base Map + Recreation Sites + INF System Trails + Equestrian Trails





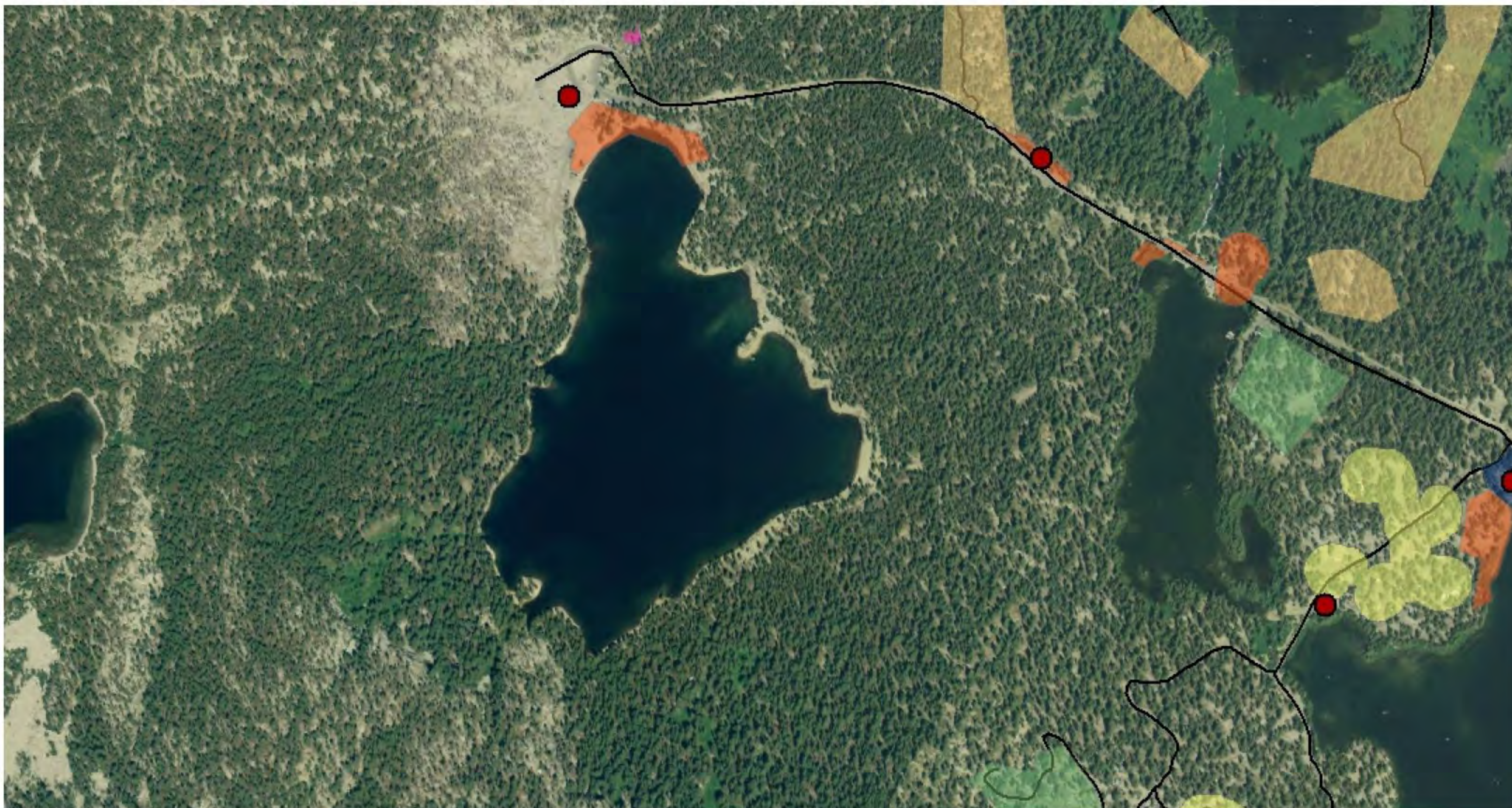
Base Map + Recreation Sites + INF System Trails + Equestrian Trails + Use Trails





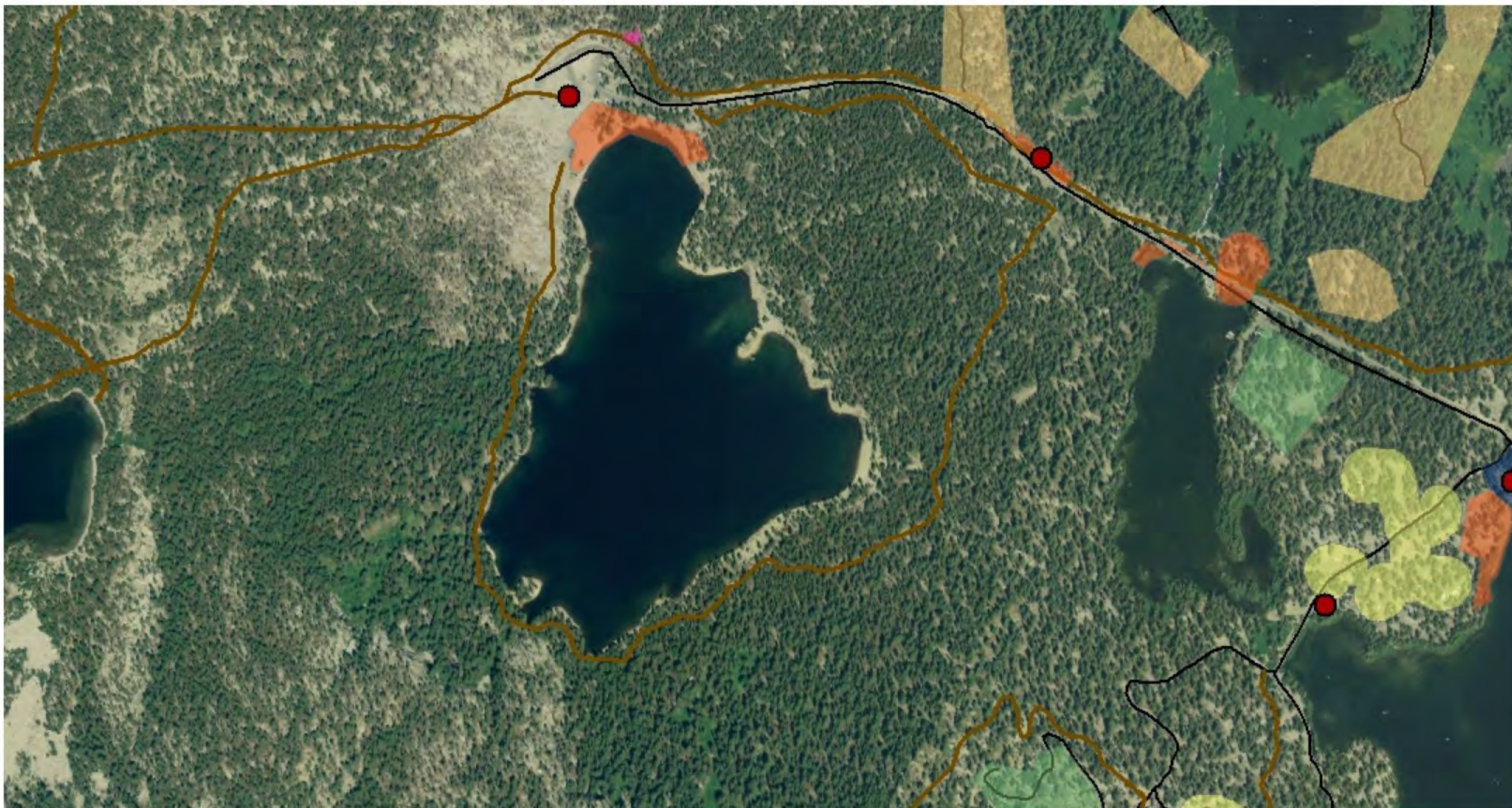
Base Map





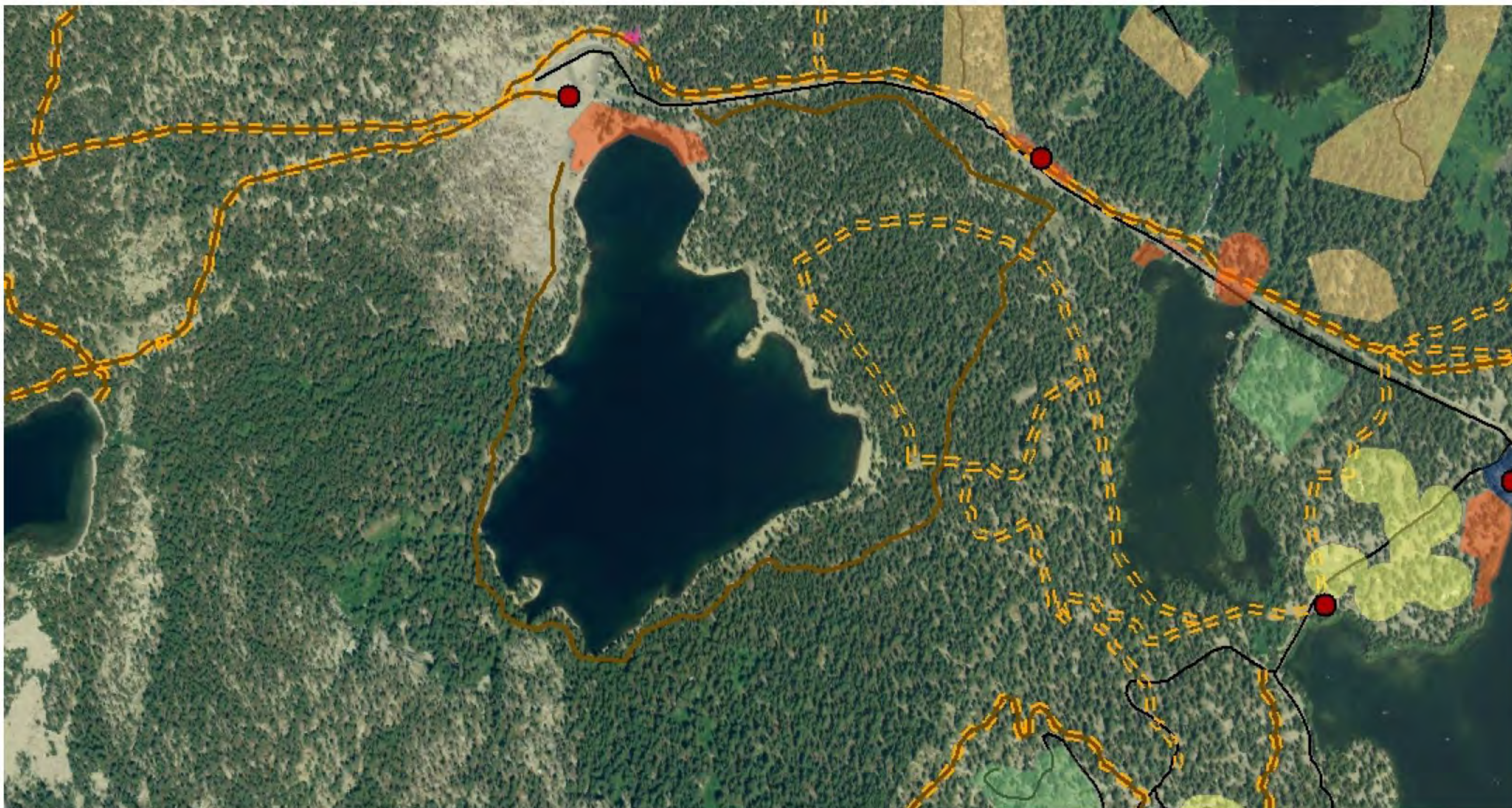
Base Map + Recreation Sites





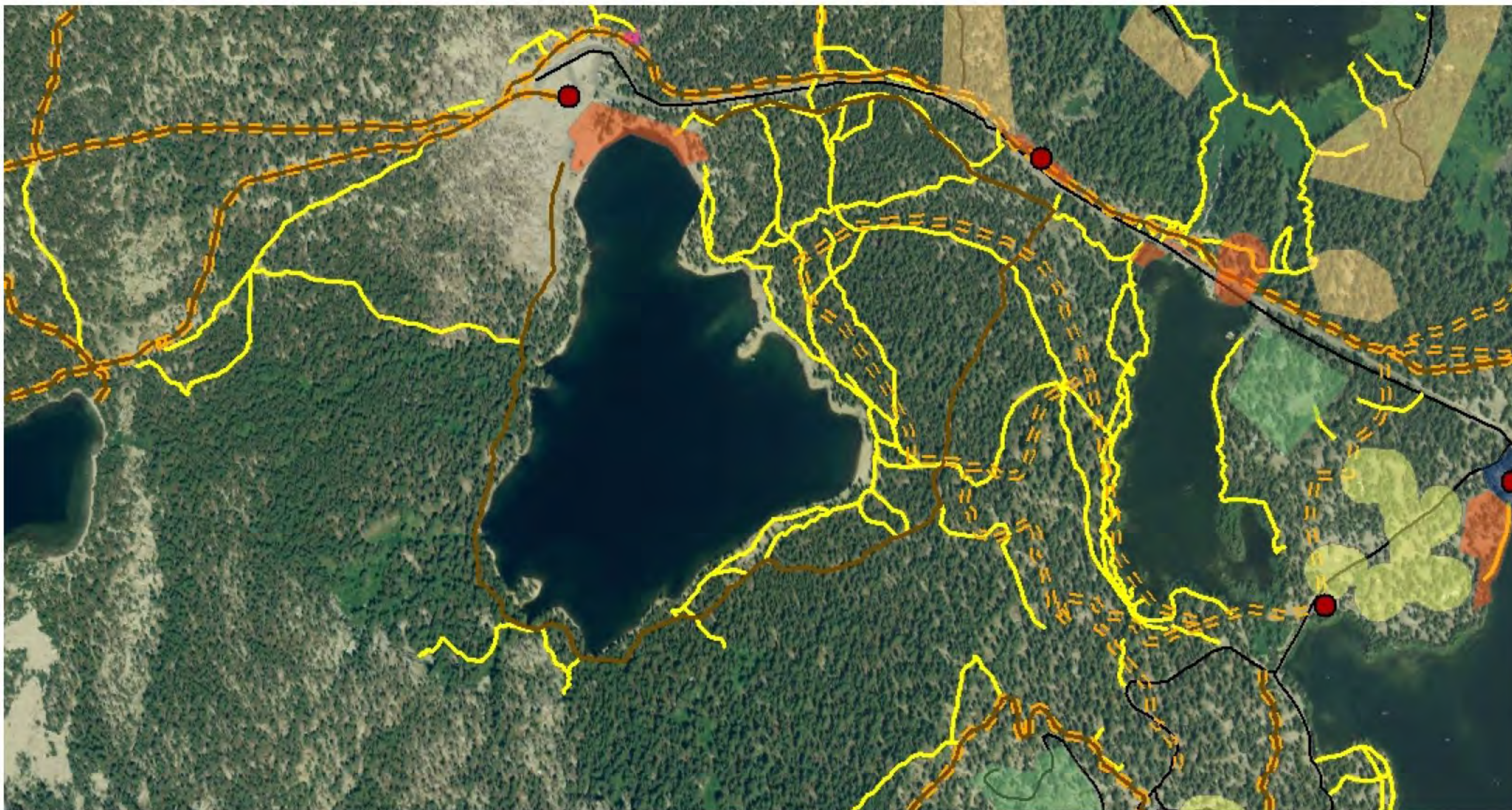
Base Map + Recreation Sites + INF System Trails





Base Map + Recreation Sites + INF System Trails + Equestrian Trails





Base Map + Recreation Sites + INF System Trails + Equestrian Trails + Use Trails





Base Map





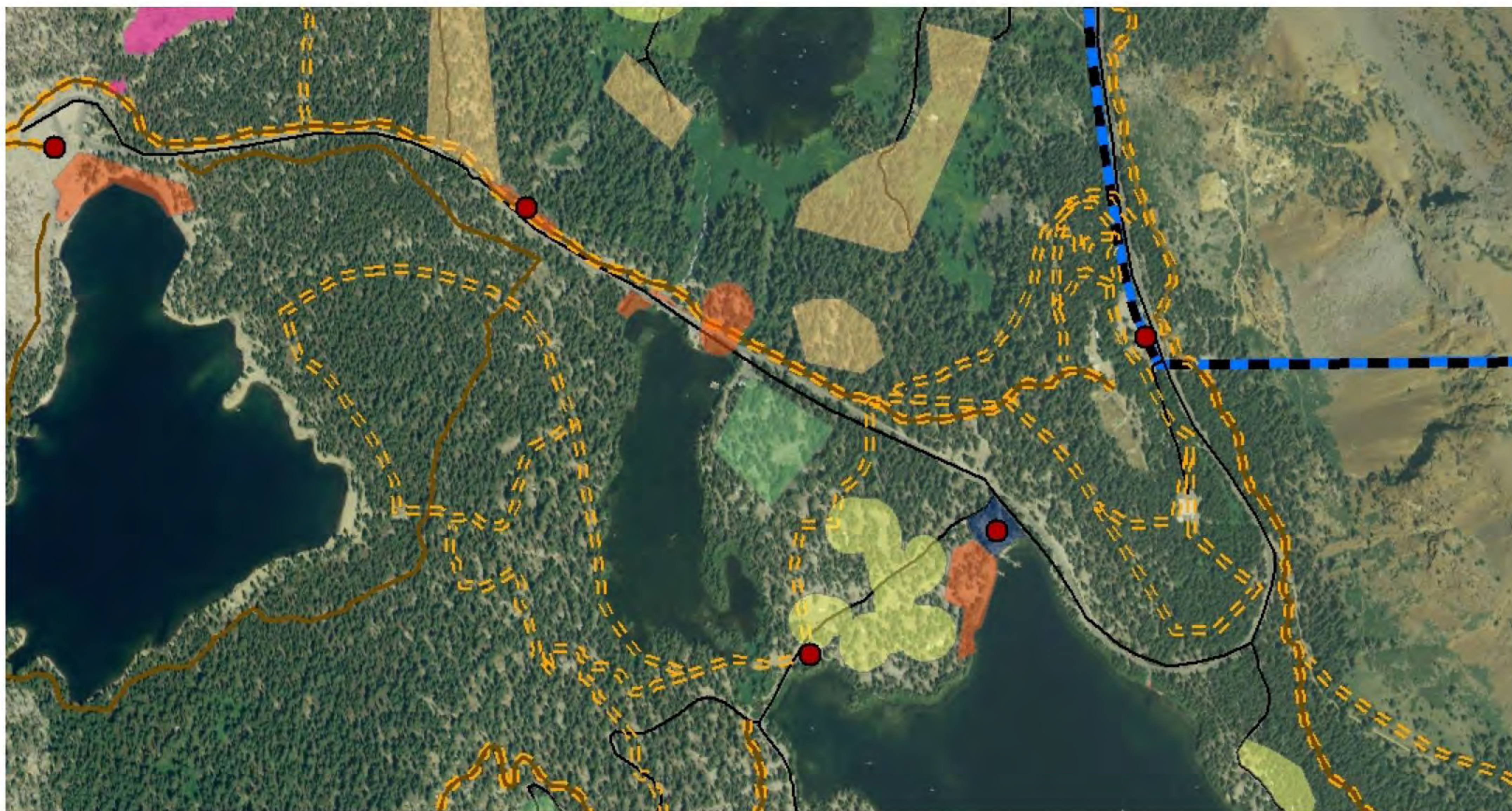
Base Map + Recreation Sites





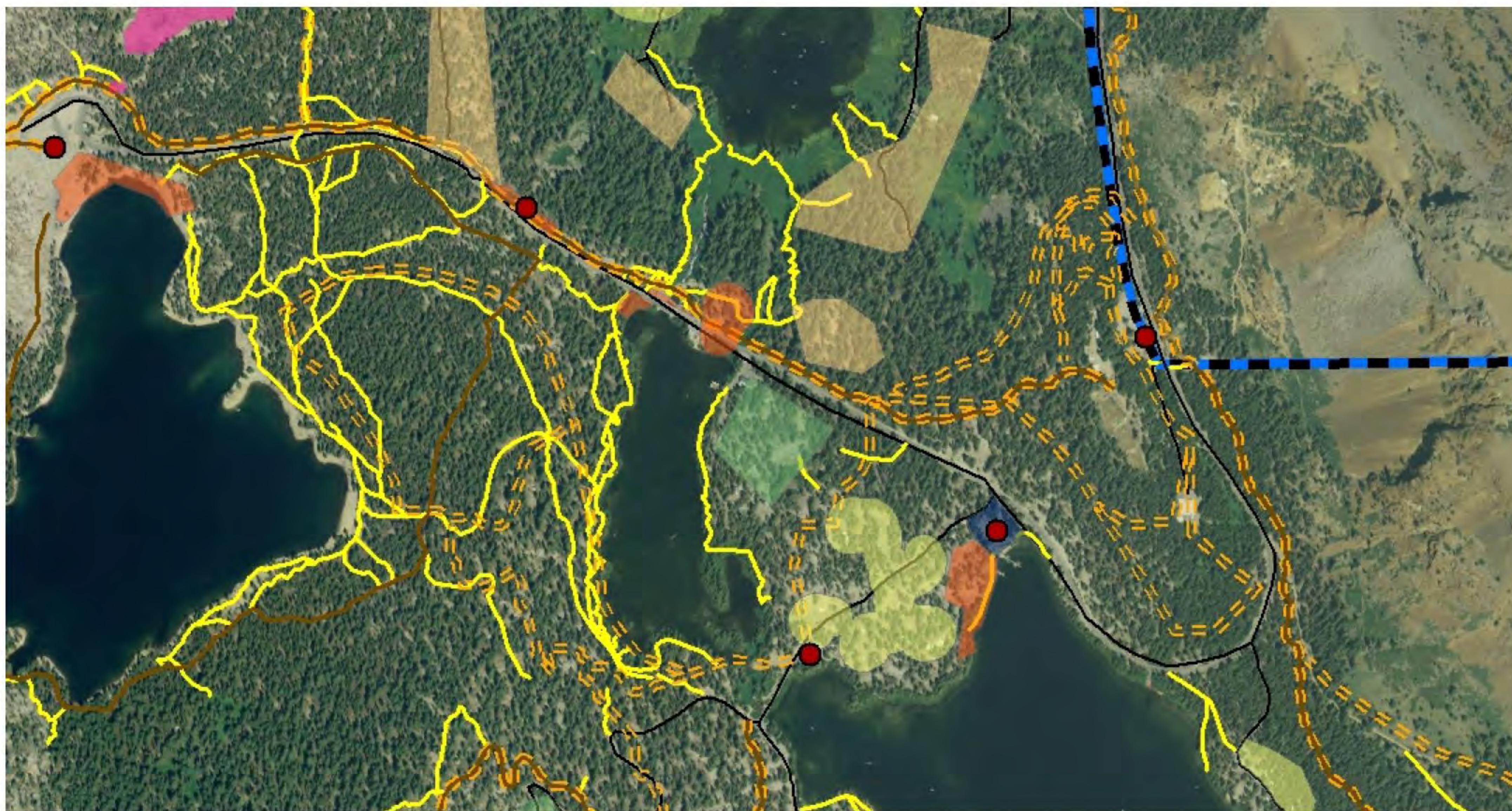
Base Map + Recreation Sites + INF System Trails





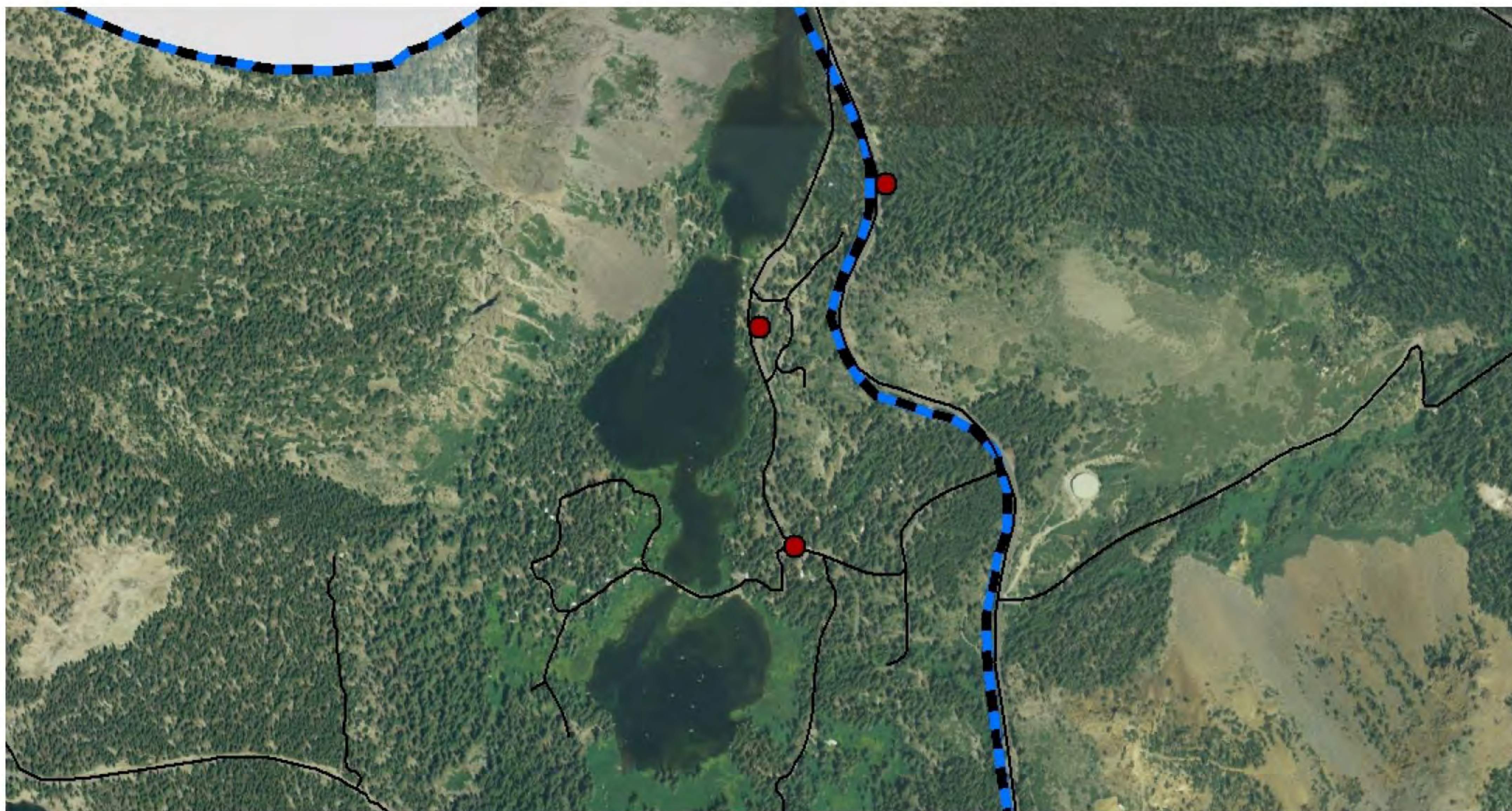
Base Map + Recreation Sites + INF System Trails + Equestrian Trails





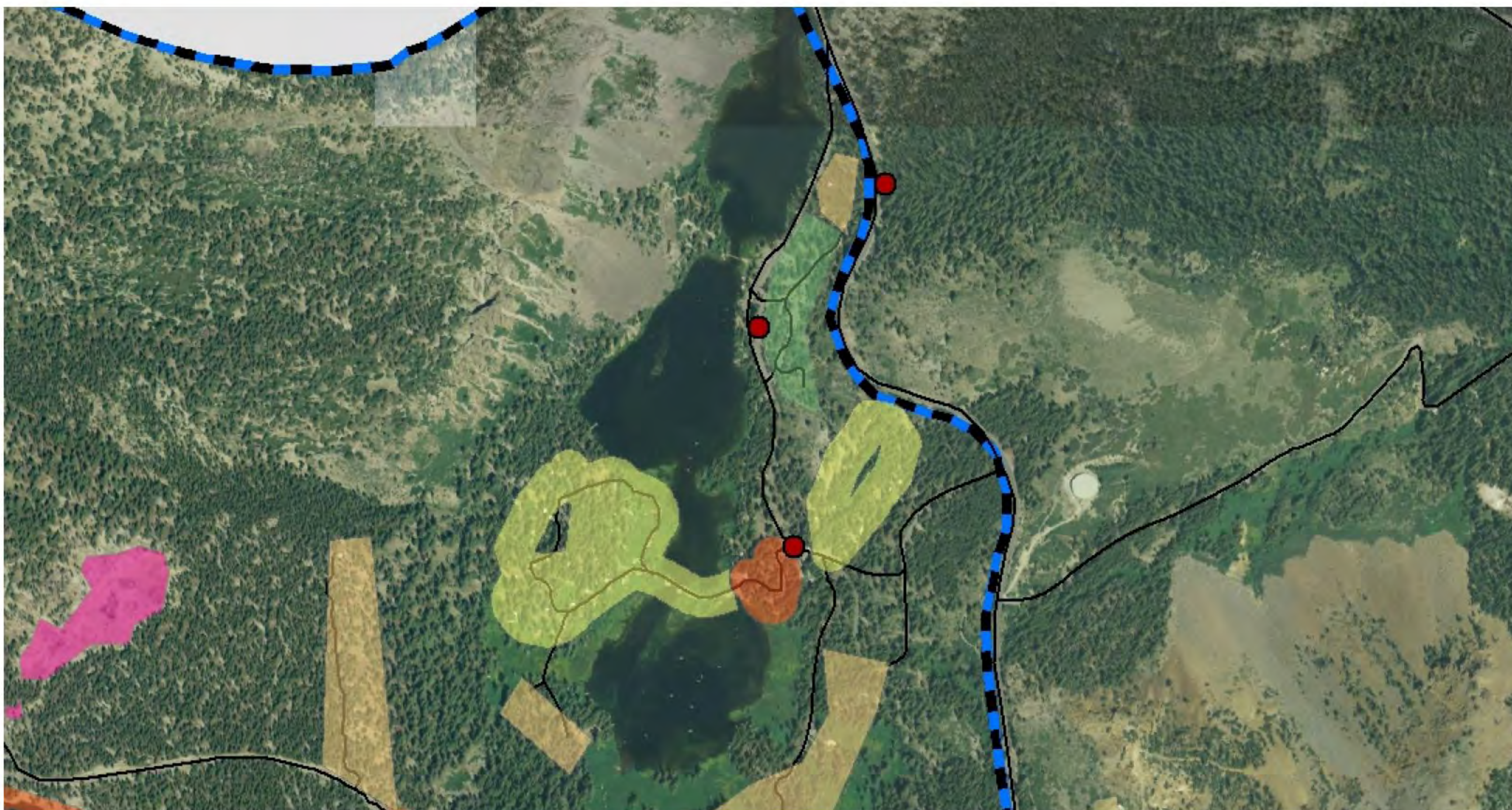
Base Map + Recreation Sites + INF System Trails + Equestrian Trails + Use Trails





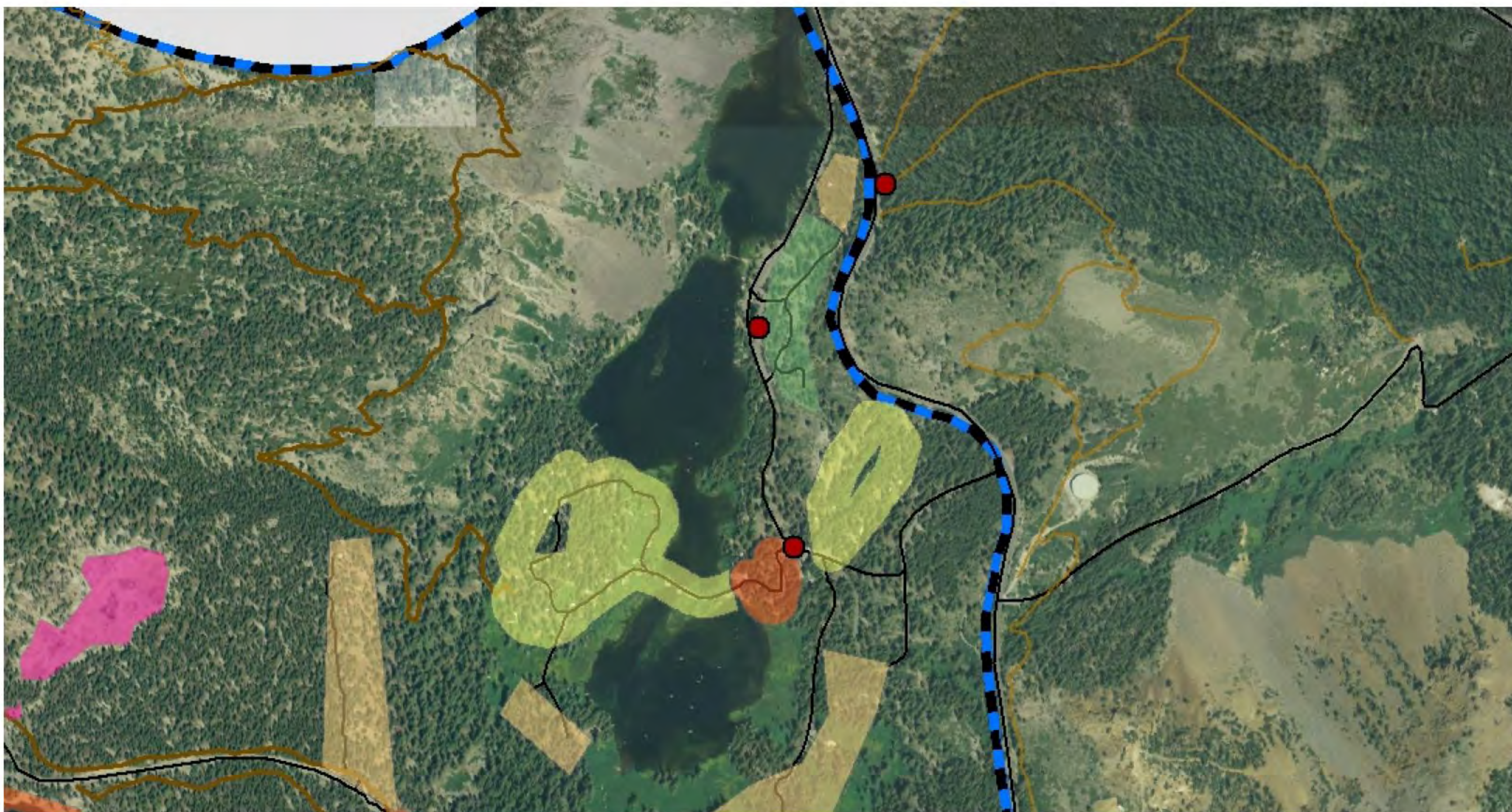
Base Map





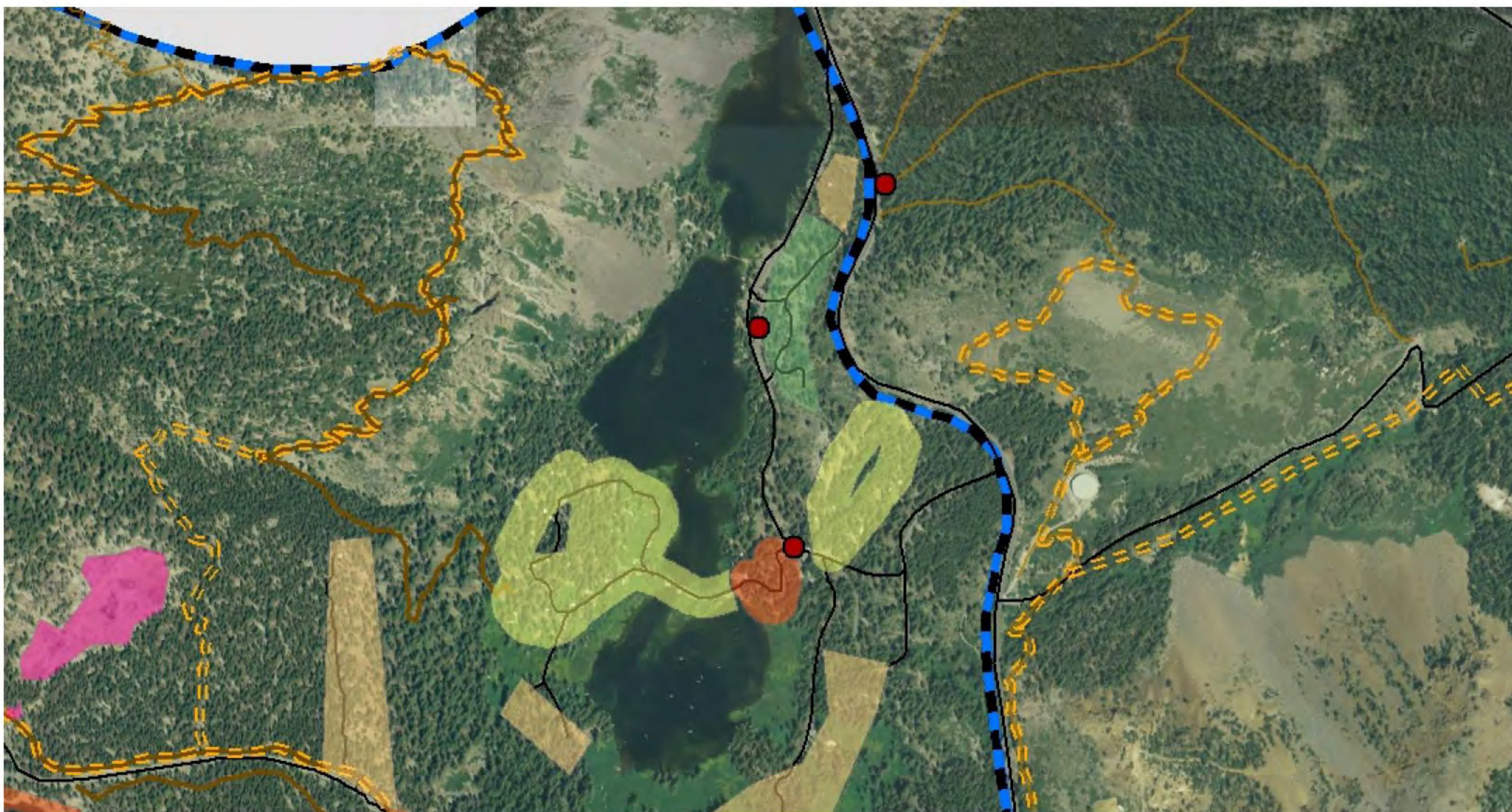
Base Map + Recreation Sites





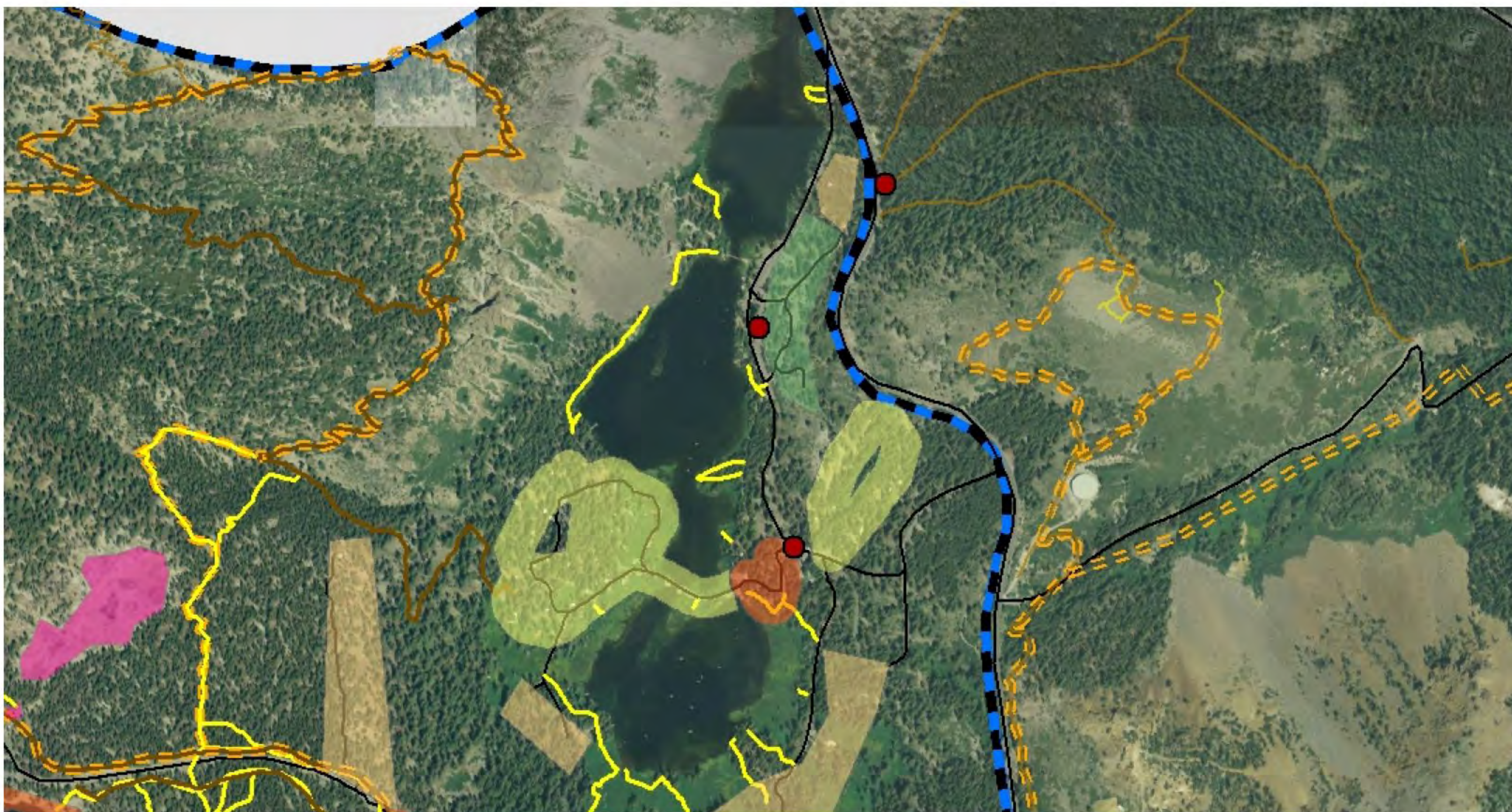
Base Map + Recreation Sites + INF System Trails





Base Map + Recreation Sites + INF System Trails + Equestrian Trails





Base Map + Recreation Sites + INF System Trails + Equestrian Trails + Use Trails



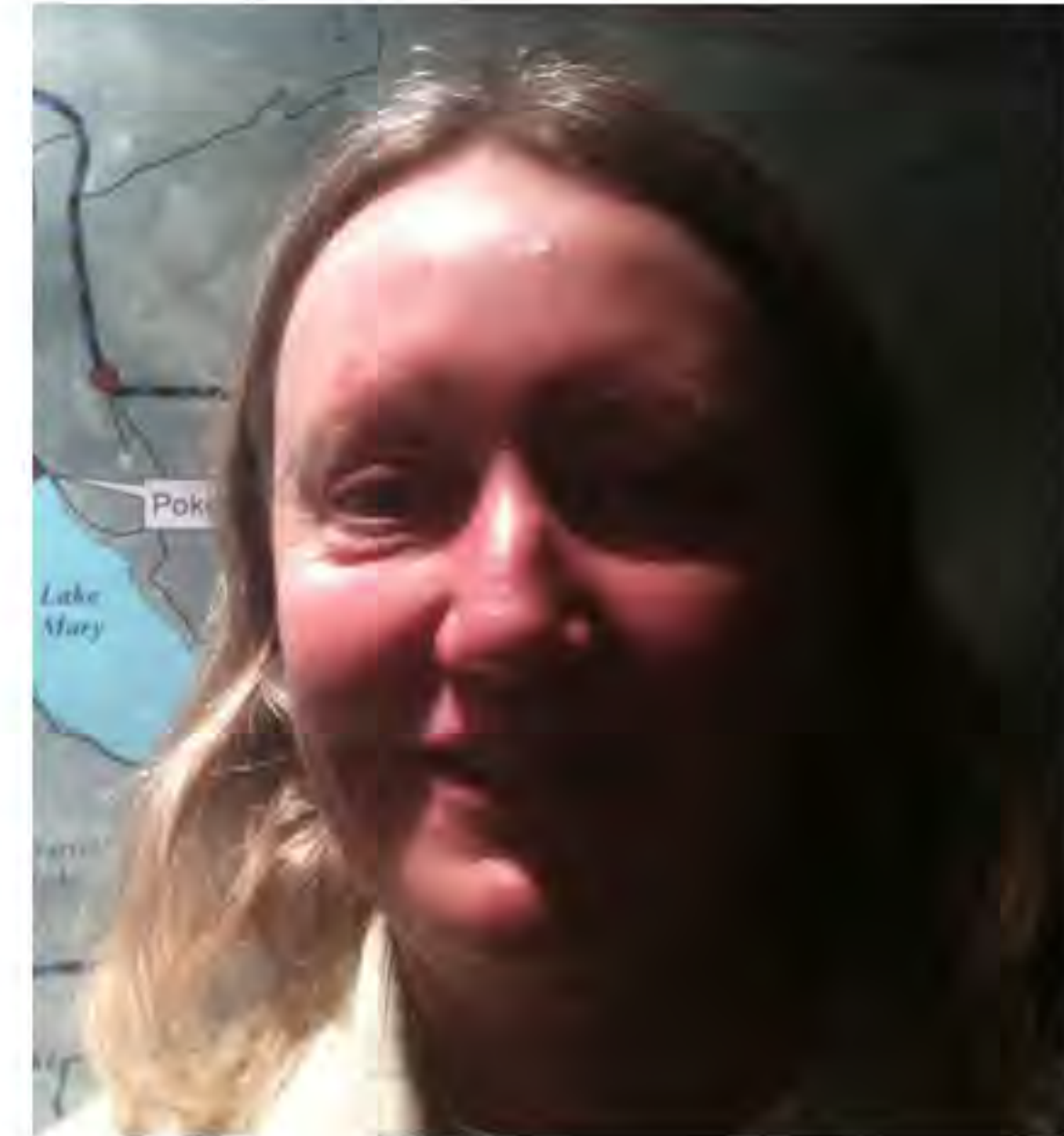
# “Existing Conditions Report”

## *Questions and Comments*

*Visit the “LABSS Research Library” and download the complete  
“Existing Conditions” report at [www.mltpa.org](http://www.mltpa.org)*



- Sue Farley
- Vegetation Management  
Planner, US Forest Service
- [sfarley@fs.fed.us](mailto:sfarley@fs.fed.us)
- 760-924-5535





## Presentation Overview

- Recent History of Wildfire
- Community Protection
- Fuel Reduction & Wildfire Defensible Space
- Fuels Project Planning & Public Involvement



# Recent Fire History

- 1987 Laurel Fire
- 1987 Mammoth Fire
- 1992 Rainbow Fire
- 2008 Sherwin Fire



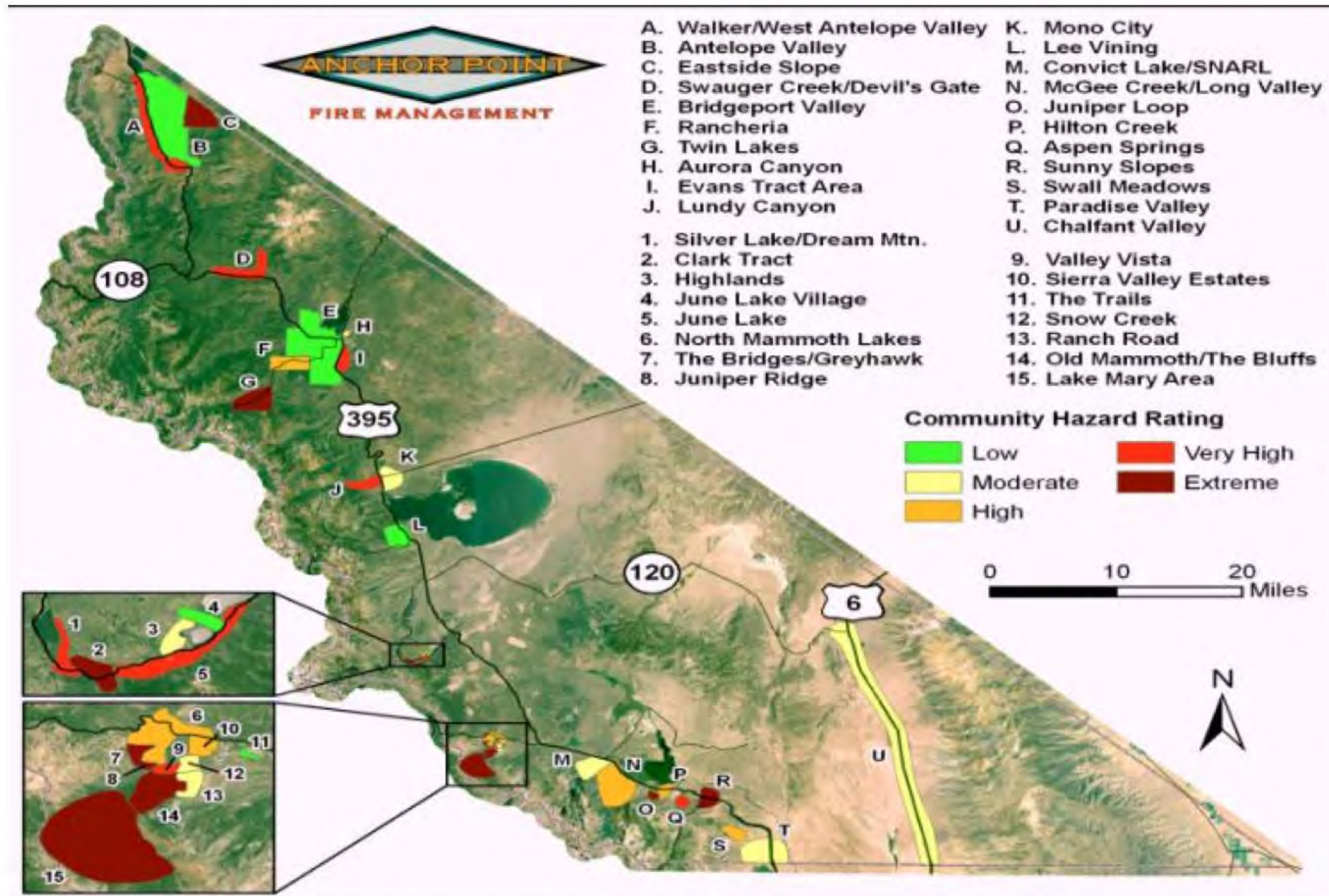


# Fire History Map





## Mono County Community Wildfire Protection Plan Hazard Rating Map





## Purpose of Fuels Reduction In the Mammoth Lakes Basin

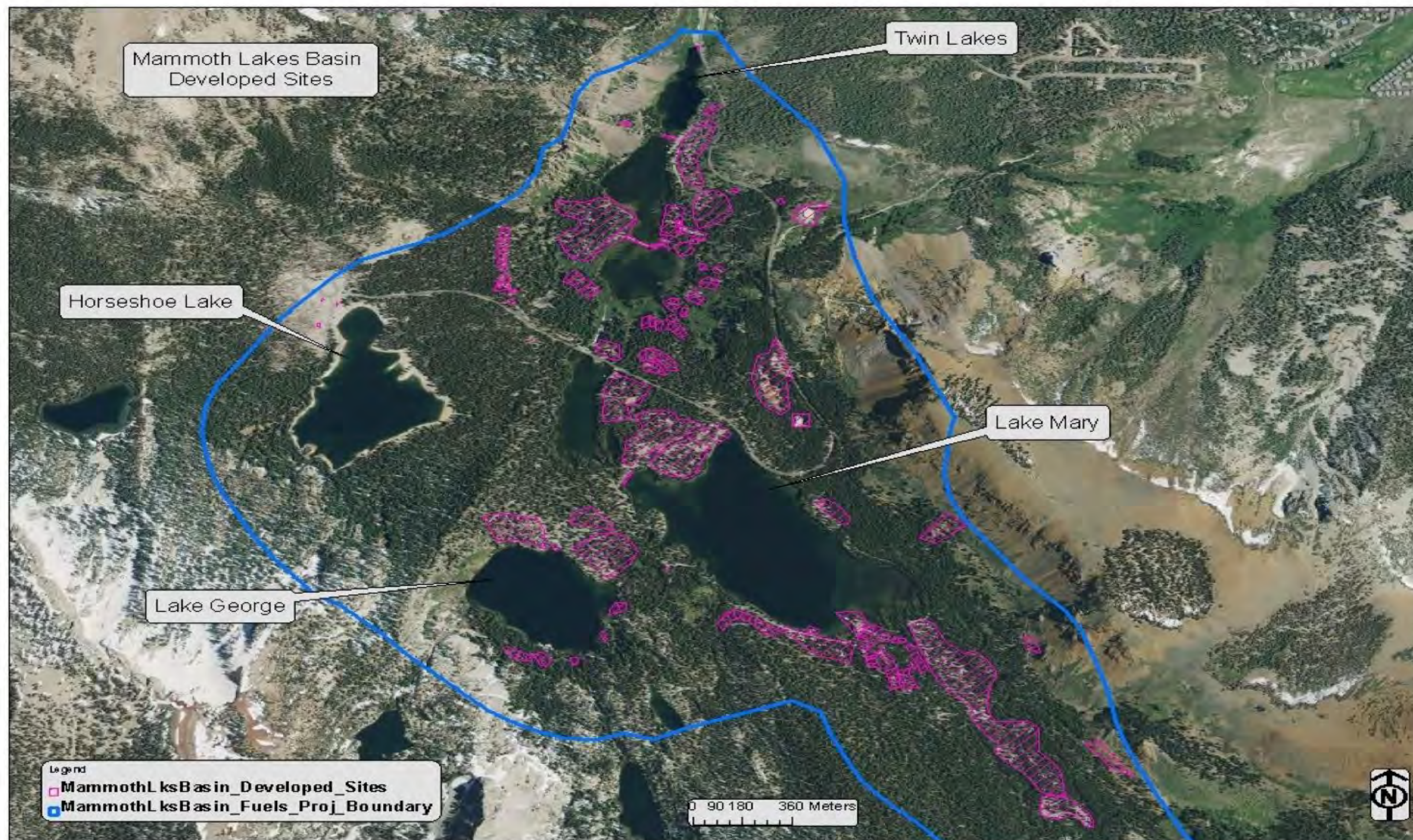
- Reduce future wildland fire intensity, flame length, and fire behavior
- Increase safety for residents, recreationists, and firefighters working to protect human life and property
- Sustain resource values such as landscape scenery, water quality and wildlife habitat



- Reduce high fuel loads
- Remove ladder fuels
- Create wildfire defensible space around recreation cabins, resorts, lodges, campgrounds, and other developments



## Fuel Reduction & Wildfire Defensible Space in Mammoth Lakes Basin:





## Similar Fuel Reduction Projects: Reduce High Fuel Loads





## Similar Fuel Reduction Projects: Remove Ladder Fuels





## Similar Fuel Reduction Projects: Create Defensible Space





- Crown fire burned at high severity in areas with no prior fuel reduction (A)
- Surface fire burned at lower severity in areas with prior fuel reduction (B)
- \*From: Safford et al. 2009



## Opportunity for public involvement –

- Fuels reduction project planning scheduled to begin fall 2012
  - Field trips will be held to promote public involvement
- Fuels reduction project work expected to start fall 2013

## Contact for additional information –

- Sue Farley, Interagency Vegetation Management Planner
  - 760-924-5535 or [sfarley@fs.fed.us](mailto:sfarley@fs.fed.us)



# “Fuels Reduction in the Lakes Basin”

## *Questions and Comments*





- Greg Norby
- General Manager, Mammoth Community Water District
- [gnorby@mcwd.dst.ca.us](mailto:gnorby@mcwd.dst.ca.us)
- (760) 934-2596 ext. 238





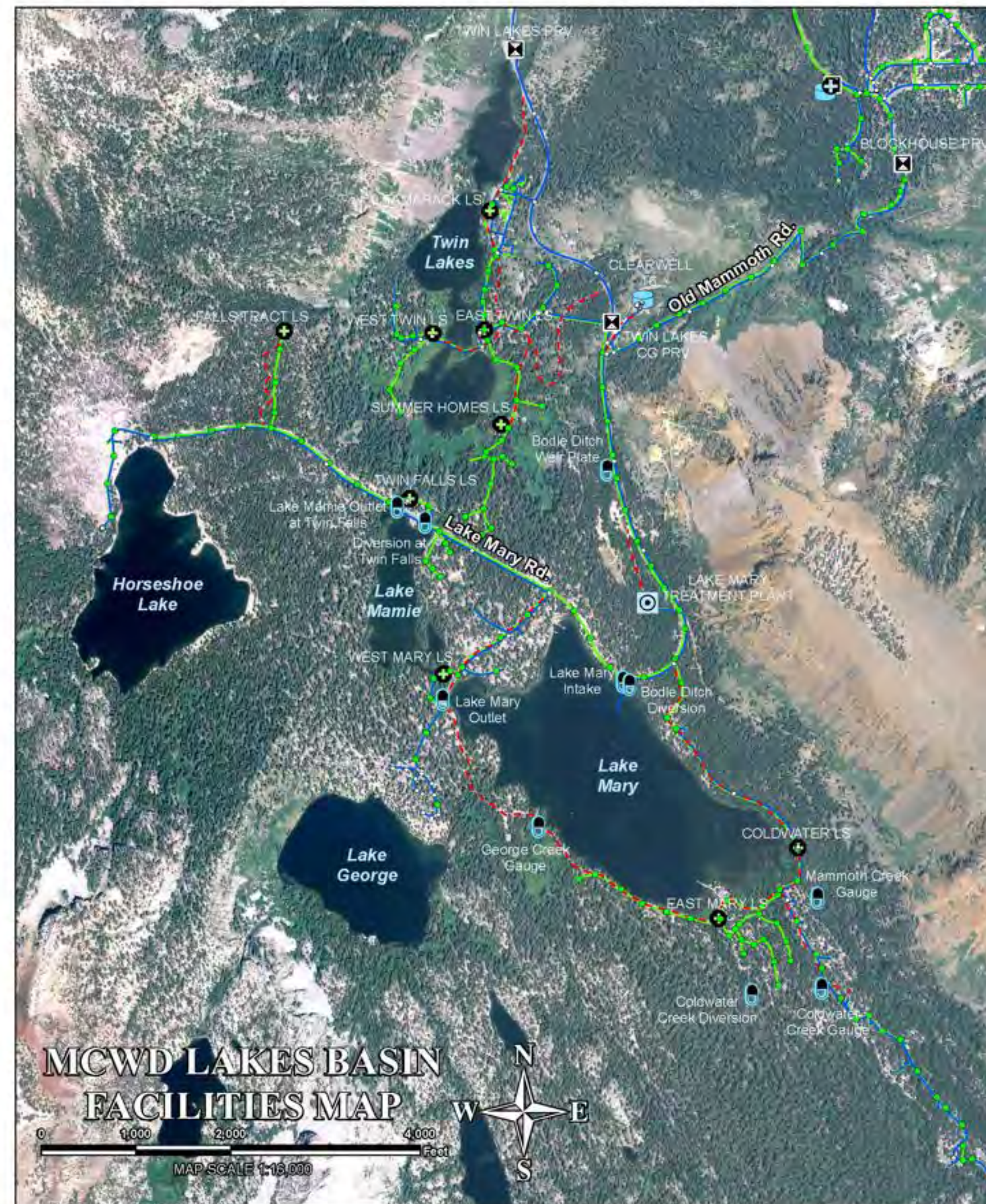
## ■ Background

- MCWD provides water supply, wastewater treatment, and recycled water to Town of Mammoth Lakes
- Mammoth Creek surface water supply source
  - Critical water supply component, up to 75% of annual supply
  - Diverted at Lake Mary, treated at the Lake Mary WTP
  - Diversion exercised under 2 licenses and 1 permit issued by SWRCB
  - SWRCB sets limits on annual diversion, Lake Mary storage, and minimum Mammoth Creek flows below Lakes Basin for fishery health



- Background (cont.)
  - MCWD provides water service to northern portion of the Lakes Basin
    - Tamarack Lodge, Twin Lakes CG, USFS lease cabins
    - Other areas (Coldwater CG, etc.) are on local private supply
  - Wastewater collection and treatment for all of the Lakes Basin. No septic tanks





**Facility Statistics in Lakes Basin (Twin Lakes and Blockhouse PRV's due south)**

Vehicle Access Route	Pressure Reducing Vault - 3 Total
Water Tank - 1 Total	Water Treatment Plant - 1 Total
Sewer Lift Station - 9 Total	Gauge - 10 Total
Sewer Mains - 51,453 ft.	Water Mains - 44,138 ft.
Sewer Manhole - 159 Total	Water Valves - 79 Total



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This data has not been approved by the Mammoth Community Water District. The District does not warrant the accuracy or completeness of the information provided on this map or any other material derived therefrom. The District makes no representation or warranty of any kind, expressed or implied, with respect to the content of this map or any other material derived therefrom. The District makes no representation or warranty of any kind, expressed or implied, with respect to the content of this map or any other material derived therefrom. The District makes no representation or warranty of any kind, expressed or implied, with respect to the content of this map or any other material derived therefrom.





- **Facilities and Operations**
  - Water supply facilities
    - Lake Mary Water Treatment Plant
    - 2 MG treated water reservoir
    - 40,000 feet of water mains
  - Wastewater collection facilities
    - 51,000 feet of sewer collection lines
    - 9 lift station to move wastewater out of Lakes Basin to central WWTP



- Facilities and Operations (cont.)
  - Stream flow gages
    - 10 flow measurement gages on all main streams
    - Lake Mary outlet control gate for lake level and outlet flow management
  - Summer Operations
    - Daily access to all facilities for operations, inspection, repairs
  - Winter Operations
    - Daily access to Lake Mary WTP, stream gages. Use OSV's



## ■ Issues of Concern

- Water quality impacts of storm water runoff. Chemical and biological pollution impacts to Lake Mary. Generally correlated with intensity of development and use levels.
- Quagga Mussel, other invasive species. Spread with recreation boating. Damage / interferes with water system.
- Water and Wastewater service; can future use levels be supported with existing infrastructure.



- Issues of Concern (cont.)
  - Safety and Security; wildland fires, vandalism / tampering with facilities.
  - Financial Sustainability; high cost of operations, financial resources for replacement of water/ww infrastructure serving Lakes Basin



# “Mammoth Community Water District and the Mammoth Lakes Basin”

## *Questions and Comments*





## “State of the Lakes Basin”

*Questions and Comments  
on the presentations this evening  
or with regards to any subject relating to  
LABSS or the Mammoth Lakes Basin*



## What is your vision for the future of the Mammoth Lakes Basin?

- How will people experience the Lakes Basin?
- What kinds of facilities, opportunities, and amenities will be in the Lakes Basin?
- Where are those opportunities and amenities?
- Post your “vision” on the LABSS blog
- We will share our visions in meetings #2 and #3.



# We want to hear from you!

- Provide feedback on existing conditions – did we miss anything?
- Download maps from MLTPA web site - add your comments and email them to [labss@mltpa.org](mailto:labss@mltpa.org)!
- Use any of the following methods to provide your input and feedback...



## Website

[www.mltpa.org](http://www.mltpa.org)

## Blog

<http://labss.wordpress.com/>

## Facebook

<http://www.facebook.com/pages/Lakes-Basin-Special-Study-LABSS/117785138270241?ref=ts>

## E-mail and Phone

[labss@mltpa.org](mailto:labss@mltpa.org), (760) 934-3154



## US Mail

Jon Kazmierski, US Forest Service  
PO Box 148 Mammoth Lakes, CA 93546

## My Contact Information

jkazmierski@fs.fed.us

(760) 914-0296



## Meeting #2:

“Lakes Basin Recreation Yesterday, Today and Tomorrow”  
Thursday, October 14, at The Westin Monache Resort  
and via webinar  
5:30 p.m. to 8:30 p.m.

## Meeting #3:

“Lakes Basin Mobility and Transportation”  
Thursday, October 28, at The Westin Monache Resort  
and via webinar  
5:30 p.m. to 8:30 p.m.



# Thanks for your participation!

We look forward to hearing from you...! And we'll look forward to seeing you on October 14th!

