

## North Zone TIDs

## *GMUG SBEADMR Treatment Implement Data Sheet*

*Fiscal 2022/2023*

**Treatment:** Overland Ditch Hazard Tree Removal

**District:** Paonia

**Proposed Treatment Acres:** 250

**Planned Treatment Acres:** 150

**Cover Type:** Spruce/fir/aspen

**Integrated Treatment Objectives:** Hazard tree removal

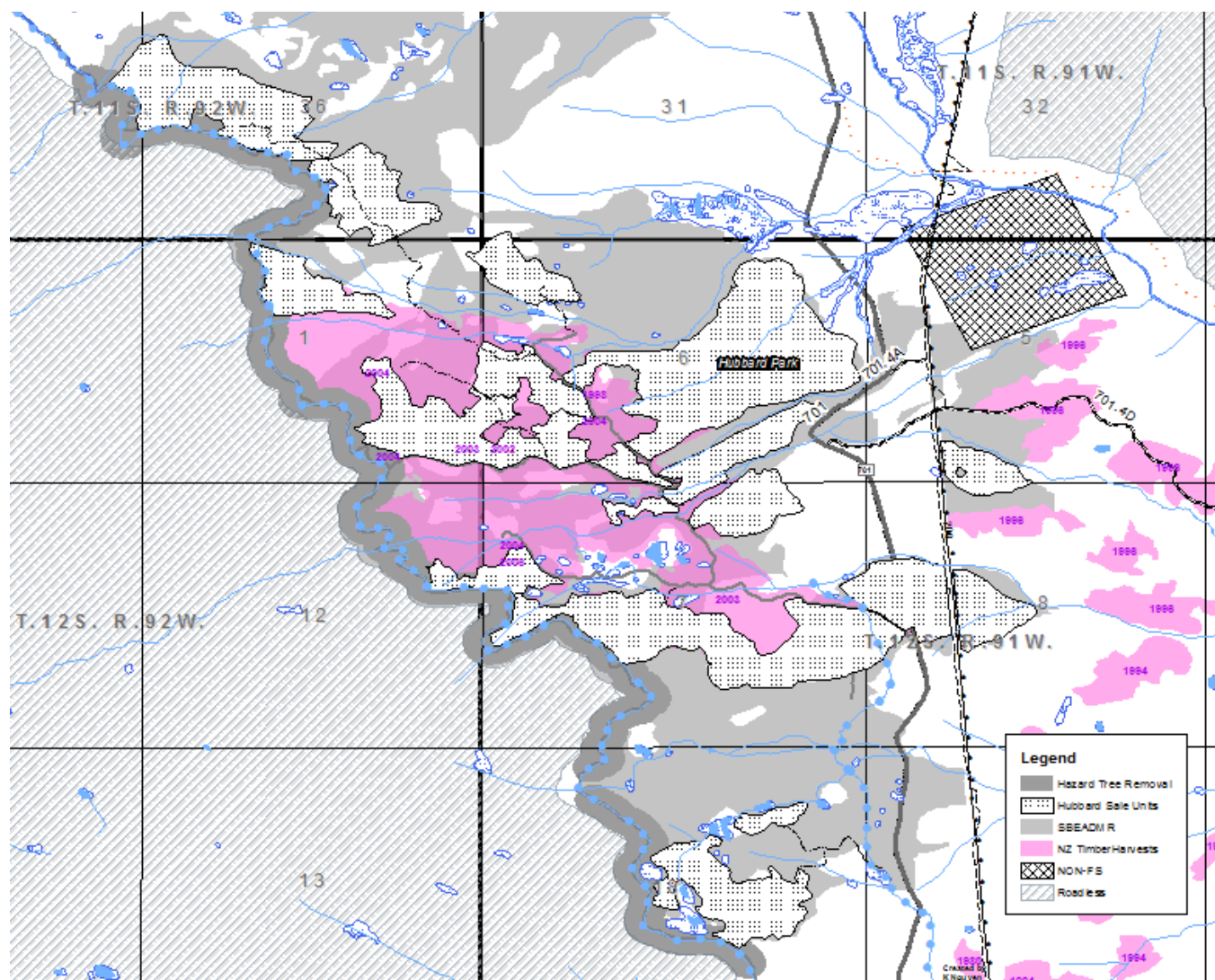
**Desired Condition:** 300ft. hazard tree buffer along Overland Ditch within the Hubbard Timber Sale boundary.

**Estimated Miles of Temporary Road Construction:** No road construction will be needed.

### **Known Design Feature Triggers:**

- Will monitor for Goshawk, American marten
- Fens, flowages, reservoirs
- Range fence line in area, may need to manage livestock post-treatment
- Snowmobile trails in area

**Technical Contact:** Cari Johnson; [cariajohnson@fs.fed.us](mailto:cariajohnson@fs.fed.us); 970-527-4131



# *GMUG SBEADMR Treatment Implement Data Sheet*

*Fiscal 2022*

**Treatment:** Atkinson (portion of the area known as Weir & Johnson)

**District:** Grand Valley

**Proposed Treatment Acres:** 2420 (whole Weir & Johnson area)

**Planned Treatment Acres:** laid out acres ~670

**Cover Type:** Spruce/fir/aspen

**Integrated Treatment Objectives:** Silviculture: Resiliency Treatment, individual tree marking; minor portion salvage to open canopy for regeneration and increase specie composition, create uneven aged stands. Fuels: removal and fuel loading reduction; Wildlife: retention of high quality hare habitat; provide hare, marten, and lynx denning habitat; Snag retention, and landscape-scale habitat connectivity; Post Harvest: Meet post-harvest tree stocking objectives; Road maintenance.

**Desired Condition:** Increase uneven-aged stand structure, increased species composition, continue with original stand prescription.

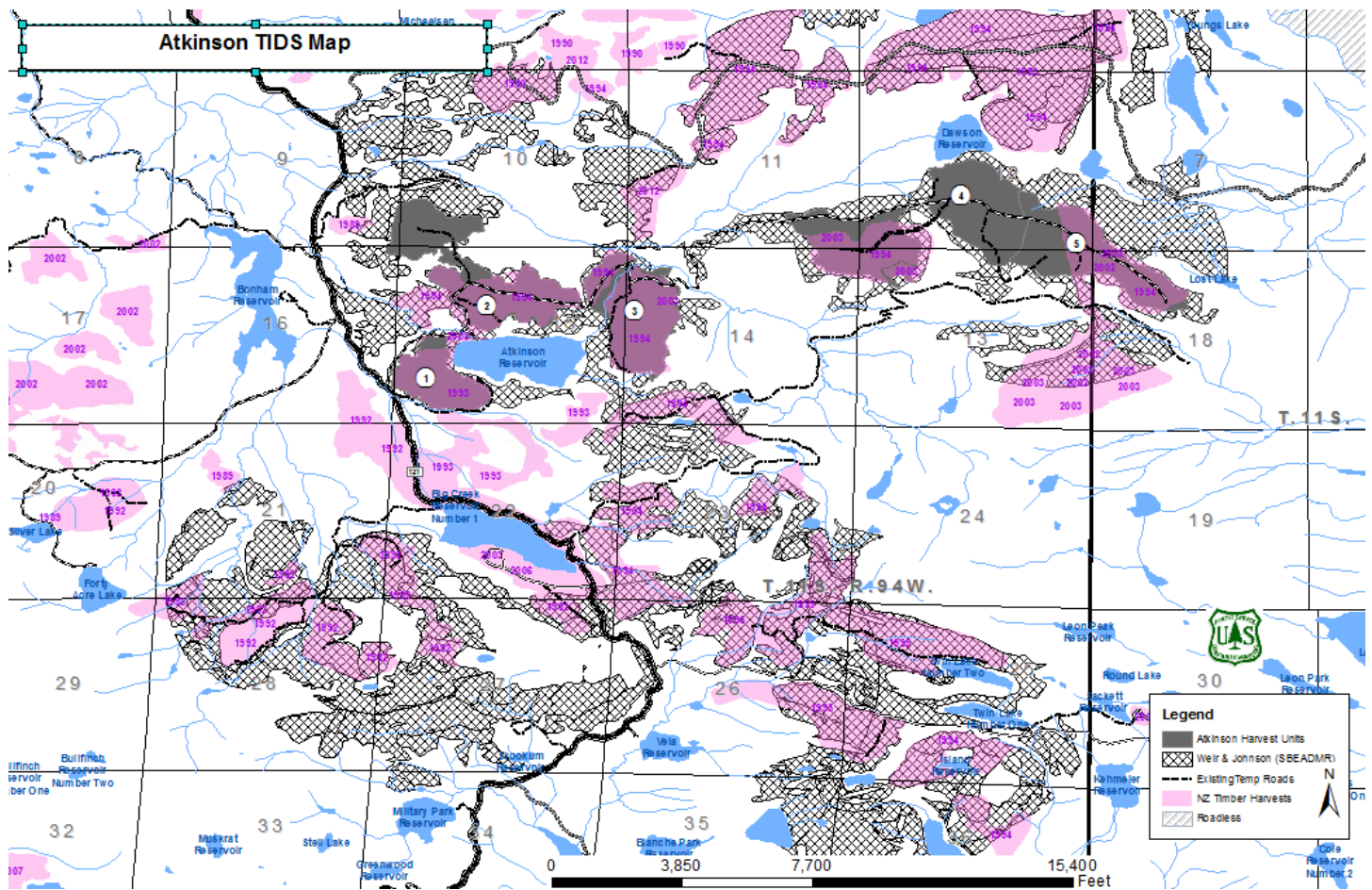
**Estimated Miles of Temporary Road Construction:** An unknown miles of road will be needed, new temp roads will be decommissioned. This area was previously harvested; we plan to re-use existing road system, don't anticipate many new roads.

## **Known Design Feature Triggers:**

- Maintaining habitat connectivity
- Will monitor for Goshawk, American marten
- Fens (Cooper's Fen is in the area – notes to remove snowmobile/ATV route to avoid this area) flowages, reservoirs
- Snowmobile, ATV 4wd Trails
- Campground, high use area
- Archeological sites to avoid

Weir & Johnson area had stand exam done in summer 2020. In conjunction with that data and previous harvest data we narrowed down the probable units and carved out the Atkinson TS. The hatched areas on the map were analyzed in SBEADMR and purple represents previous harvests.

**Technical Contact:** Cari Johnson; [cariajohnson@fs.fed.us](mailto:cariajohnson@fs.fed.us); 970-527-4131 and/or Christie LaDue; [christie.ladue@usda.gov](mailto:christie.ladue@usda.gov); 970-263-5829



# *GMUG SBEADMR Treatment Implement Data Sheet*

*Fiscal 2022*

**Treatment:** Muddy Aspen

**District:** Paonia

**Proposed Treatment Acres:** 660

**Planned Treatment Acres:** 159

**Cover Type:** Aspen

**Integrated Treatment Objectives:** Regeneration of young aspen stands. Improvement of cover and foraging habitat for elk and moose and cover for deer. Fuels removal and fuel loading reduction. Provide personal use fuelwood for public.

**Desired Condition:** Healthy, fully stocked aspen regeneration

**Estimated Miles of Temporary Road Construction:** <1 mile, Units are roadside or have existing access

**Known Design Feature Triggers:**

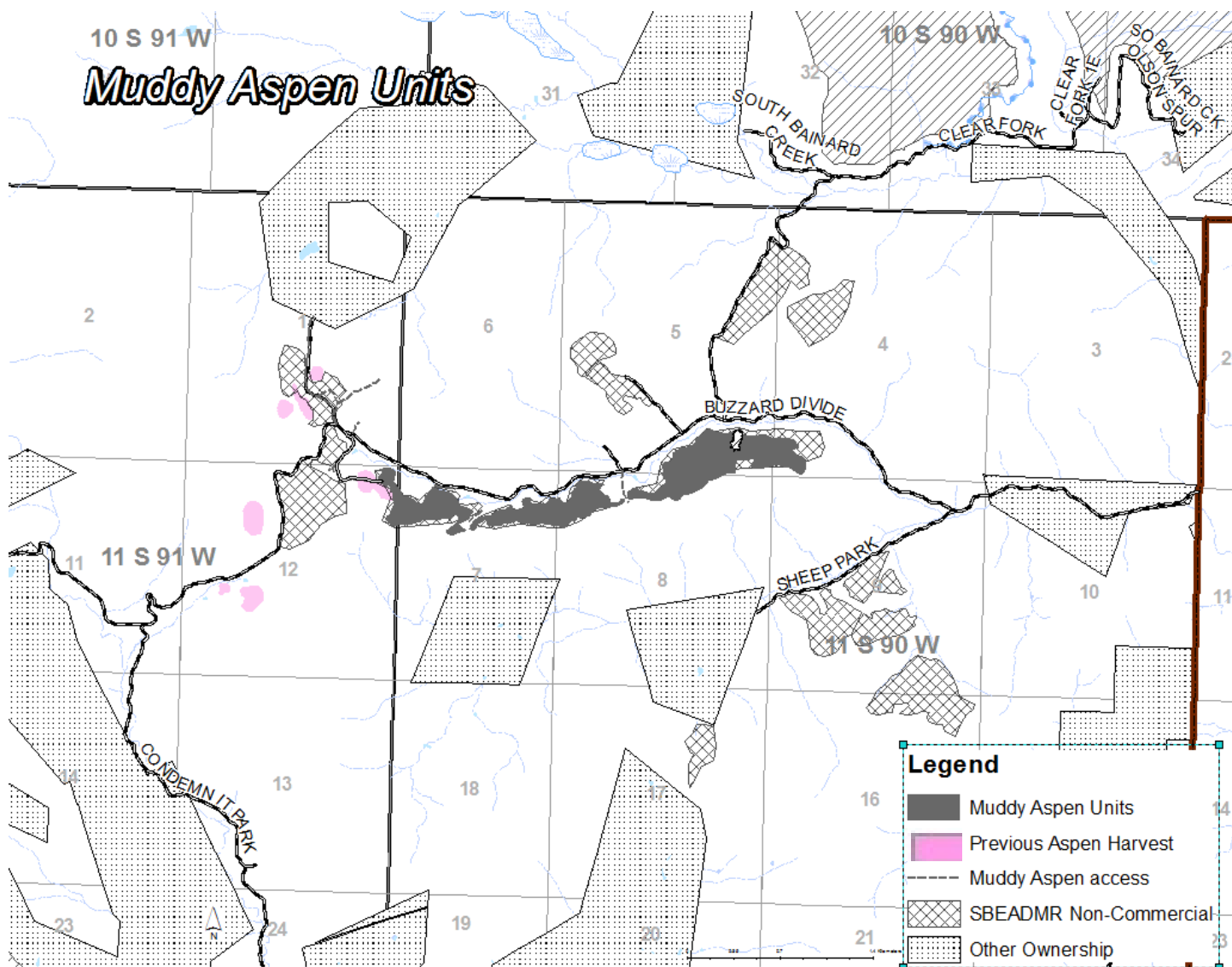
- Maintaining habitat connectivity
- Presence nearby of nesting purple martins and raptors (mostly red-tailed hawks)
- Ditches in area
- Range fence lines in area
- Snowmobile trails in area
- Powerline in area

SAD aspen units which the wildlife biologist planned for hydro-axing or other mechanical treatment in order to regenerate areas of young aspen for cover and forage for big game, and to provide for future mature aspen across the landscape. Recently found potential use as bio-energy.

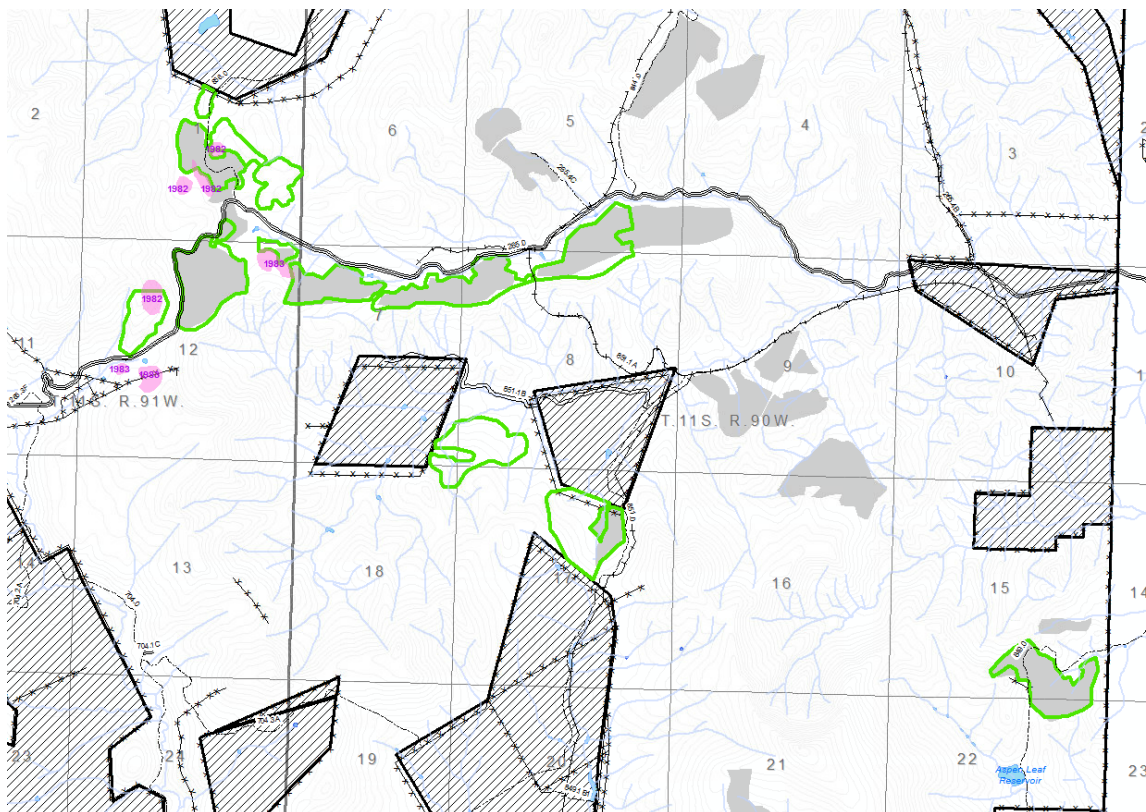
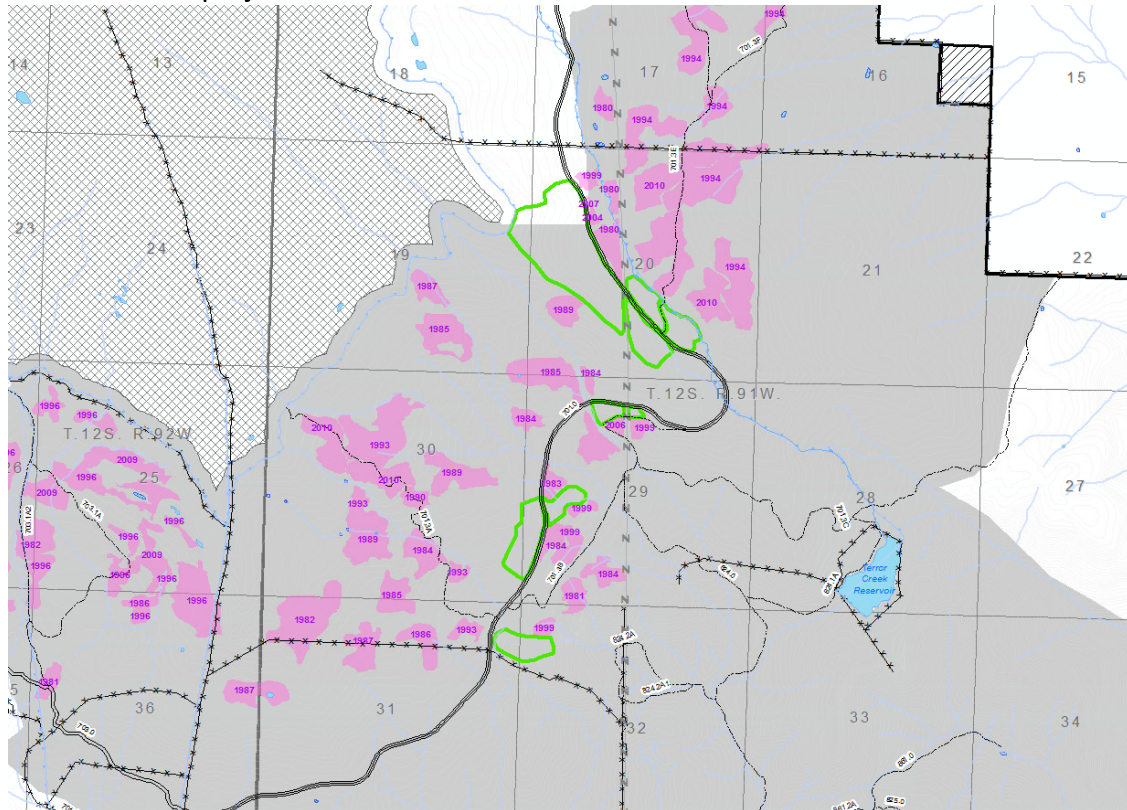
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Laid out units to be offered as a service/timber contract in an agreement with National Forest Foundation



### Other ID'd units for future projects





# GMUG SBEADMR Treatment Implement Data Sheet

*Fiscal 2023*

**Treatment:** Bald (Ferrier Ridge)

**District:** Paonia

**Proposed Treatment Acres:** 1500

**Planned Treatment Acres:** 1000

**Cover Type:** Spruce/fir/aspen

**Integrated Treatment Objectives:** Silviculture: Resiliency Treatment, group selection & modified shelterwood; minor portion salvage to open canopy for regeneration and increase specie composition, create uneven aged stands. Fuels: removal and fuel loading reduction; Wildlife: retention of high quality hare habitat; provide hare, marten, and lynx denning habitat; Snag retention, and landscape-scale habitat connectivity; Post Harvest: Meet post-harvest tree stocking objectives; Road maintenance. Long term monitoring.

**Desired Condition:** Increase uneven-aged stand structure, increased species composition, continue with original stand prescription.

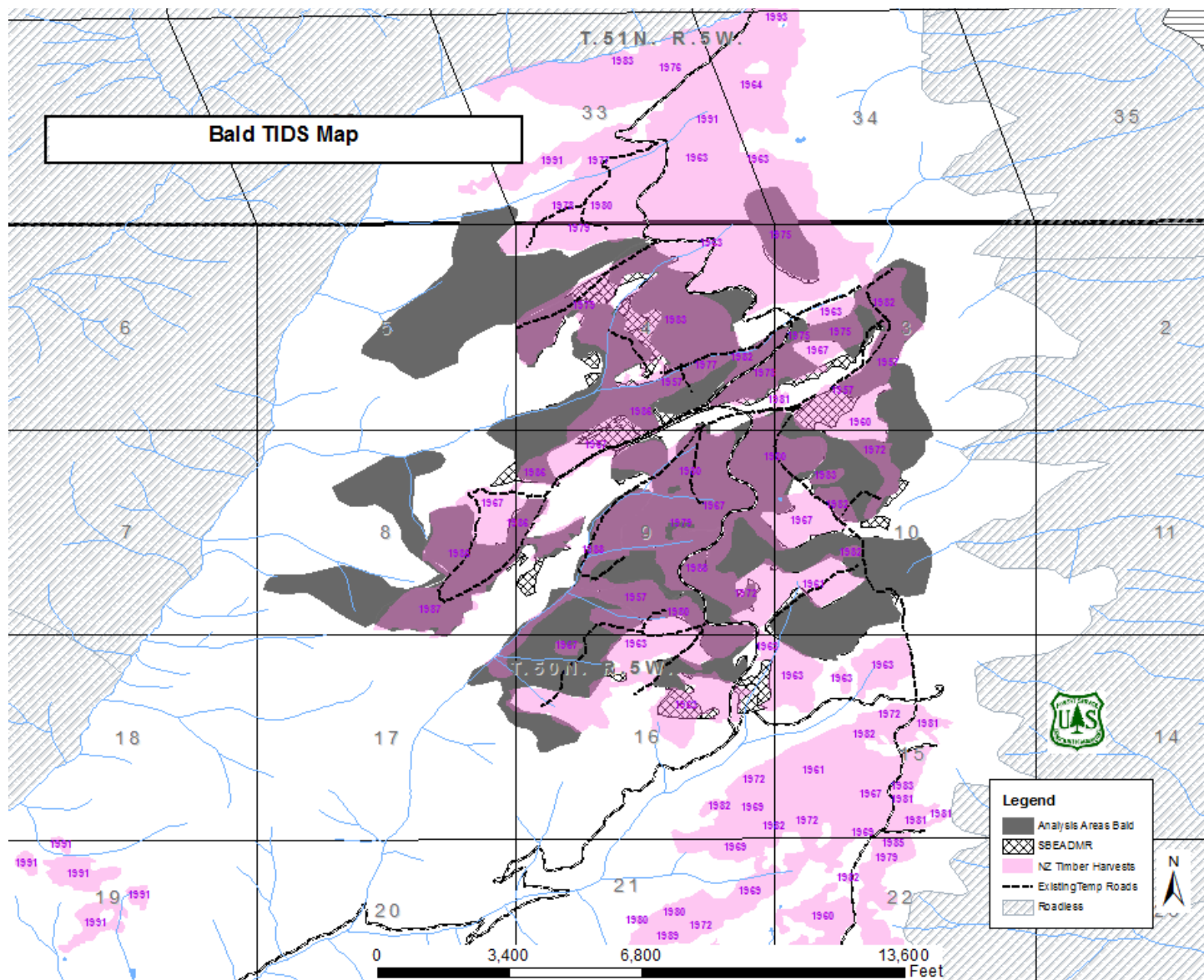
**Estimated Miles of Temporary Road Construction:** ~3 miles. The roads will be decommissioned. Much of this area was previously harvested; we plan to re-use existing road system, don't anticipate many new roads.

## **Known Design Feature Triggers:**

- Maintaining habitat connectivity
- Will monitor for Goshawk, American marten
- Fens, flowages, ditches in area (cutthroat trout in area)
- Range fence line in area
- Snowmobile & hiking trails in area

Treatment design is being established through public field trips and in coordination with the CSU Science team, planning long term monitoring for real time data to be used in future prescriptions. Bald area had stand exam done in the summer of 2019.

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# *GMUG SBEADMR Treatment Implement Data Sheet*

*Fiscal 2023*

**Treatment:** Leon (portion of the area known as Weir & Johnson)

**District:** Grand Valley

**Proposed Treatment Acres:** 2420 (whole Weir & Johnson area)

**Planned Treatment Acres:** laid out acres ~702

**Cover Type:** Spruce/fir/aspen

**Integrated Treatment Objectives:** Silviculture: Resiliency Treatment, individual tree marking; minor portion salvage to open canopy for regeneration and increase specie composition, create uneven aged stands. Fuels: removal and fuel loading reduction; Wildlife: retention of high quality hare habitat; provide hare, marten, and lynx denning habitat; Snag retention, and landscape-scale habitat connectivity; Post Harvest: Meet post-harvest tree stocking objectives; Road maintenance.

**Desired Condition:** Increase uneven-aged stand structure, increased species composition, continue with original stand prescription.

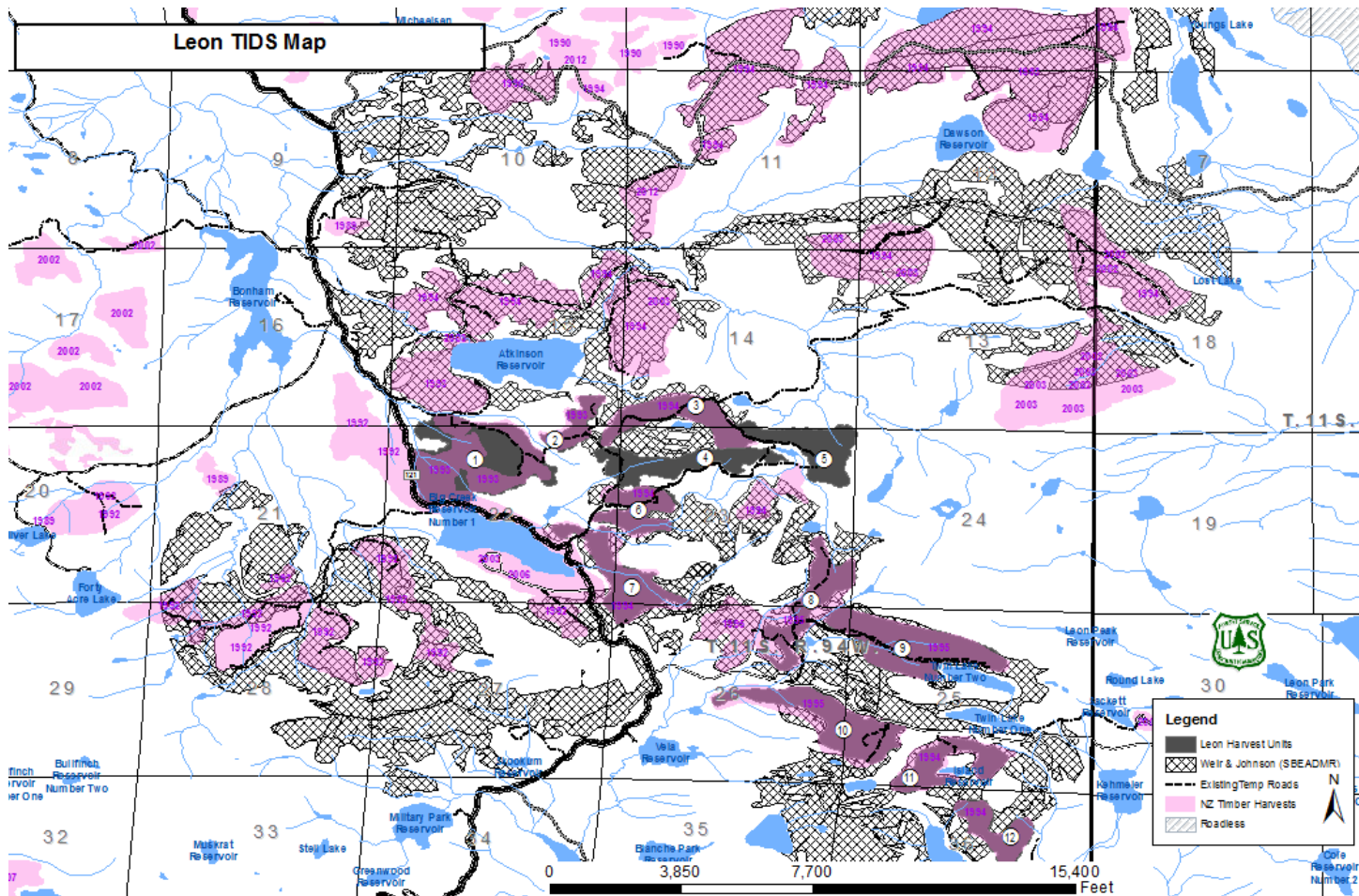
**Estimated Miles of Temporary Road Construction:** An unknown miles of road will be needed, new temp roads will be decommissioned. This area was previously harvested; we plan to re-use existing road system, don't anticipate many new roads.

## **Known Design Feature Triggers:**

- Maintaining habitat connectivity
- Will monitor for Goshawk, American marten
- Fens (Leonna Fen is in the area, near Unit 3 –avoid this area) flowages, reservoirs
- Snowmobile, ATV 4wd Trails
- Campground, high use area
- Archeological sites to avoid

Weir & Johnson area had stand exam done in summer 2020. In conjunction with that data and previous harvest data we narrowed down the probable units and carved out the Leon TS. The hatched areas on the map were analyzed in SBEADMR and purple represents previous harvests.

**Technical Contact:** Cari Johnson; [cariajohnson@fs.fed.us](mailto:cariajohnson@fs.fed.us); 970-527-4131 and/or Christie LaDue; [christie.ladue@usda.gov](mailto:christie.ladue@usda.gov); 970-263-5829



## *GMUG SBEADMR Treatment Implement Data Sheet*

*Fiscal 2024*

**Treatment:** Black Mesa Leftovers

**District:** Paonia

**Proposed Treatment Acres:** 1140

**Planned Treatment Acres:** ~1000 (no layout or recon has been completed)

**Cover Type:** Spruce/fir/aspen

**Integrated Treatment Objectives:** Silviculture: Resiliency Treatment, group selection & modified shelterwood; minor portion salvage to open canopy for regeneration and increase specie composition, create uneven aged stands. Fuels: removal and fuel loading reduction; Wildlife: retention of high quality hare habitat; provide hare, marten, and lynx denning habitat; Snag retention, and landscape-scale habitat connectivity; Post Harvest: Meet post-harvest tree stocking objectives; Road maintenance.

**Desired Condition:** Increase uneven-aged stand structure, increased species composition, continue with original stand prescription.

**Estimated Miles of Temporary Road Construction:** An unknown miles of road will be needed, the roads will be decommissioned. This area was previously harvested; we plan to re-use existing road system, don't anticipate many new roads.

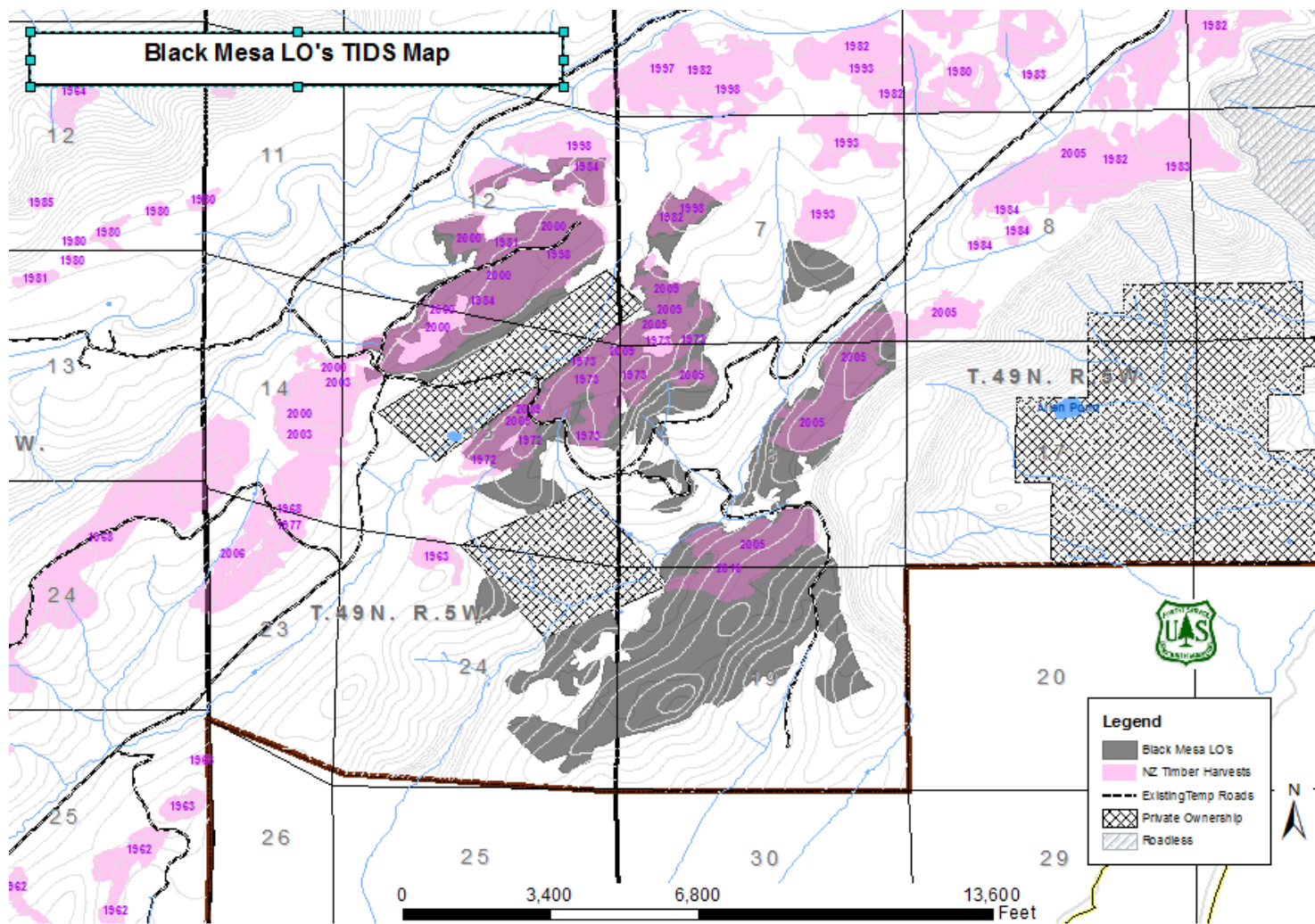
### **Known Design Feature Triggers:**

- Maintaining habitat connectivity
- Will monitor for Goshawk, American marten
- Flowages, reservoirs
- Snowmobile, ATV 4wd Trails
- Private Lands Adjacent

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# Black Mesa LO's TIDS Map



## *GMUG SBEADMR Treatment Implement Data Sheet*

*Fiscal 2024*

**Treatment:** Main Mesa Leftovers (Youngs Creek)

**District:** Grand Valley

**Proposed Treatment Acres:** 3445 (analysis acres)

**Planned Treatment Acres:** ~1000 (no layout or recon has been completed)

**Cover Type:** Spruce/fir/aspen

**Integrated Treatment Objectives:** Silviculture: Resiliency Treatment, group selection & modified shelterwood; minor portion salvage to open canopy for regeneration and increase specie composition, create uneven aged stands. Fuels: removal and fuel loading reduction; Wildlife: retention of high quality hare habitat; provide hare, marten, and lynx denning habitat; Snag retention, and landscape-scale habitat connectivity; Post Harvest: Meet post-harvest tree stocking objectives; Road maintenance.

**Desired Condition:** Increase uneven-aged stand structure, increased species composition, continue with original stand prescription.

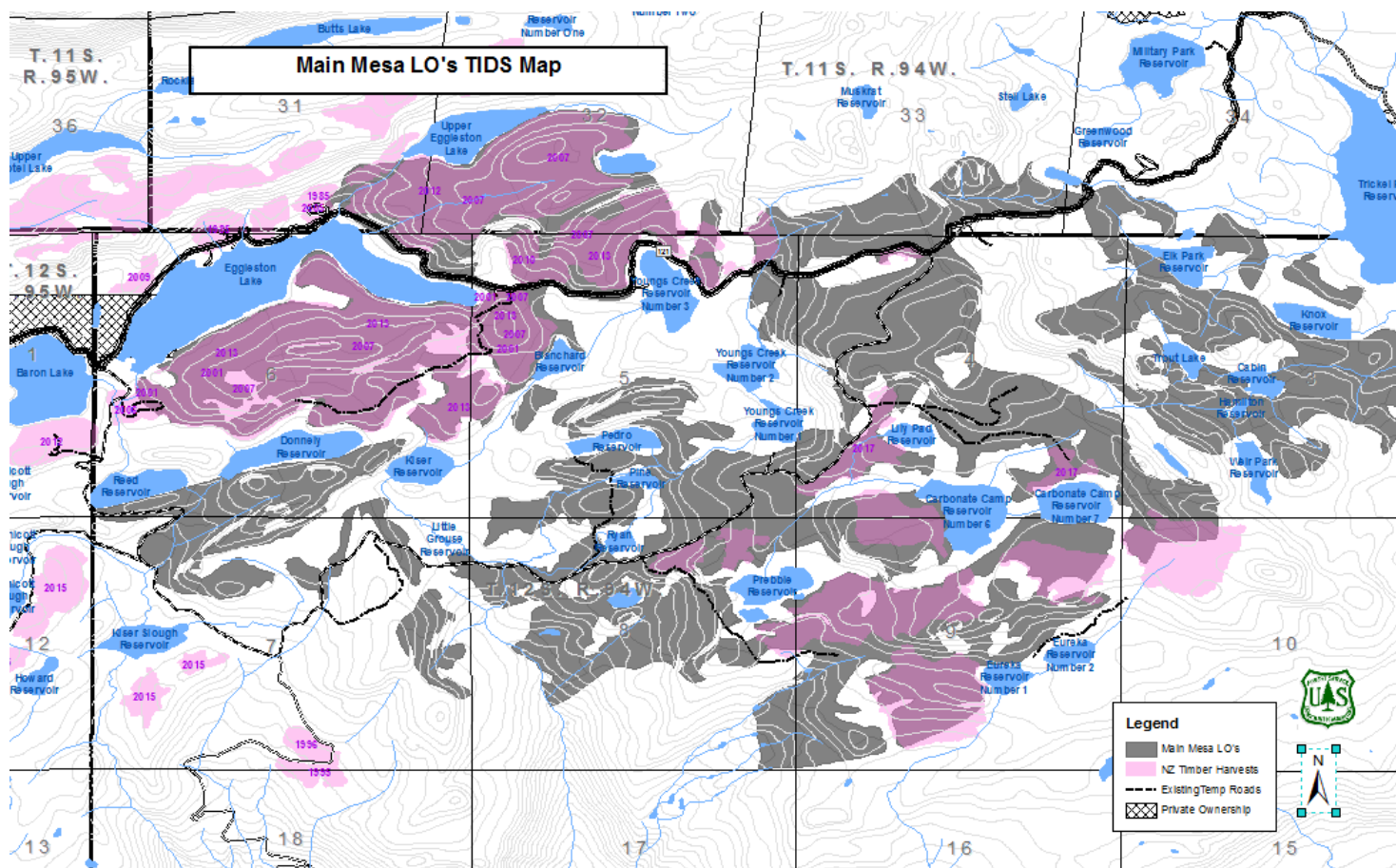
**Estimated Miles of Temporary Road Construction:** An unknown miles of road will be needed, the roads will be decommissioned. This area has some previously harvested; we plan to re-use existing road system.

### **Known Design Feature Triggers:**

- Maintaining habitat connectivity
- Will monitor for Goshawk, American marten
- Flowages, reservoirs
- Snowmobile, ATV 4wd Trails
- Private Lands Adjacent

The grey areas on the map were analyzed in SBEADMR and purple represents previous harvests.

**Technical Contact:** Cari Johnson; [cariajohnson@fs.fed.us](mailto:cariajohnson@fs.fed.us); 970-527-4131 and/or Christie LaDue; [christie.ladue@usda.gov](mailto:christie.ladue@usda.gov); 970-263-5829



## East Zone TIDs



# Proposed 2023 Holts WUI Fuels Project

Taylor Park  
Reservoir

Taylor Park  
Trading Post

County  
Road 742

FR 765

Willow Creek

CR 55

Private Land

Holts Resort

Fuel Treatments To Be Determined  
No Commercial Wood Products  
Expected To Be Removed  
Due To Steep Slope

FR 752

Proposed Park Cone Timber Sale

— MVUM Open Roads

▭ Holts WUI Fuels Units, 23, NEPA

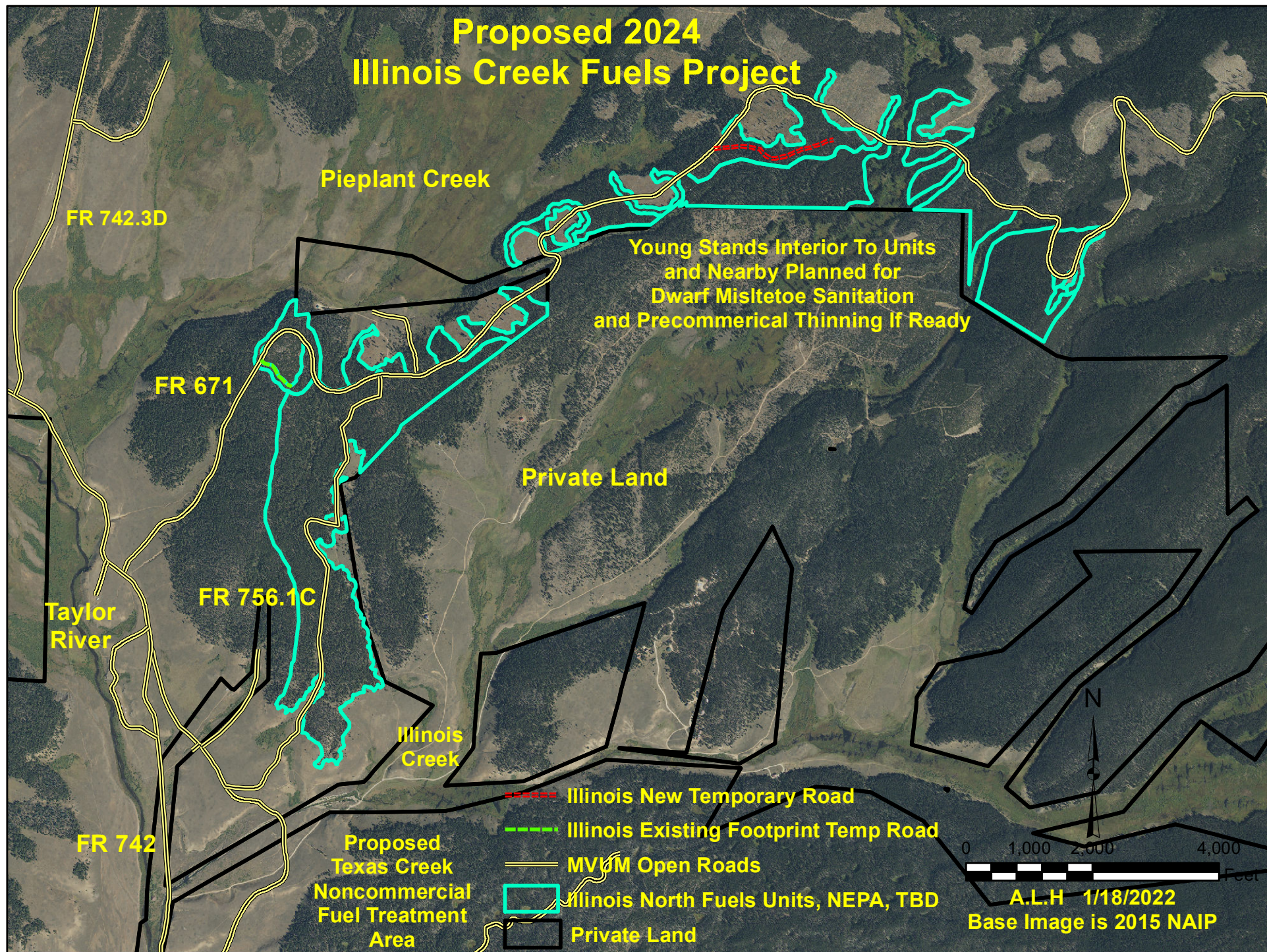
▭ Private Land

0 625 1,250 2,500  
Feet

A.L.H 1/20/2022  
Base Image is 2015 NAIP



# Proposed 2024 Illinois Creek Fuels Project





# Proposed 2024 Texas Creek Fuels Project

Fuel Treatments To Be Determined  
No Commercial Wood Products  
Expected To Be Removed Due  
To Condition of Road System

Taylor  
River

Illinois  
Creek

Private Land

FR 756.A1

FR 742

FR 756.1A

FR 756.A2

Proposed  
Stand Replacement  
Prescribed Burn Unit

FR 755.1C

FR 755

Texas Creek

— MVUM Open Roads

▭ Texas Creek Fuels Units, 24, NEPA

▭ Private Land

N

0 1,000 2,000 4,000  
Feet

A.L.H 1/18/2022  
Base Image is 2015 NAIP



West Zone TIDs

## *GMUG SBEADMR Treatment Implement Data Sheet Fiscal 2022*

**Treatment:** Telluride Ski Area-Telski Timber Sale

**District:** Norwood

**Proposed Acres:** 460\*

\*Estimates only, values can change prior to final numbers that will result after field preparation. Implementation of these proposed units will depend upon uncertain funding levels. Currently, it is estimated that the work will take 1-3 years.

**Cover Type:** Spruce/fir/aspen

**Integrated Treatment Objectives:** Recovery and Resiliency Treatment. Generate and maintain multiple stories of healthy trees, maintain shade tolerant species on higher elevation terrain, shift species composition to promote Douglas-fir and aspen on the lower slopes adjacent to Telluride, remove dead and dying trees and protect advanced regeneration, decrease potential surface fire intensity via reduced surface fuels, reduce potential for crown fire by reducing canopy continuity, within 200' of infrastructure in WUI reduce potential for crown fire and ember sources by reducing ladder fuels, stimulate aspen regeneration to reduce potential wildfire intensity, mitigate hazard trees along popular hiking and skiing trails, improve skiing opportunities.

**Desired Condition:** Promote multi-aged stand structure and long-term stand resiliency by reducing spruce bark beetle hazard rating, promoting aspen regeneration, and promoting Douglas-fir. Reduce live basal area by no more than 40%.

**Estimated Miles of Temporary Road Construction:** None

**Known Design Feature Triggers:**

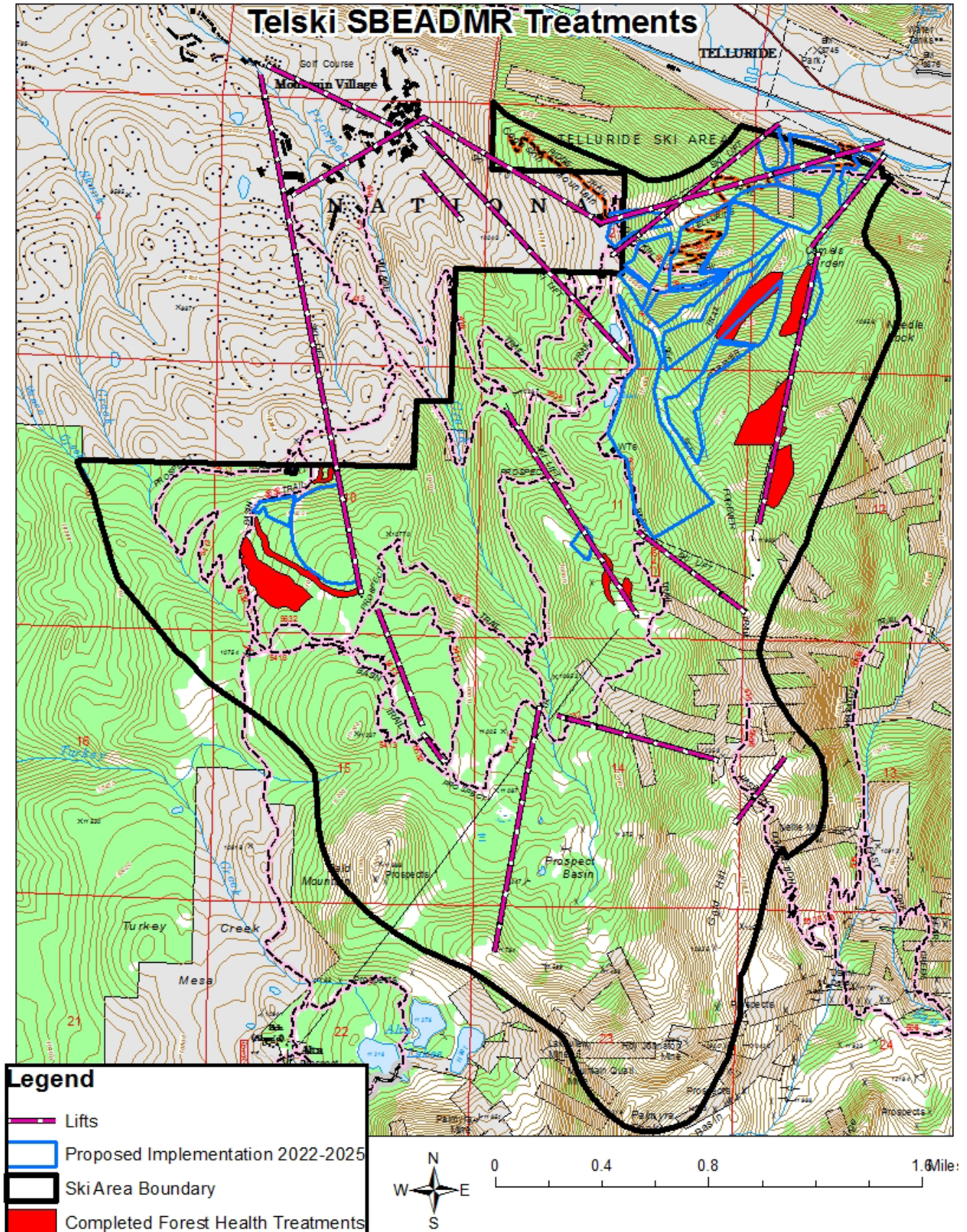
- Coordination with Ski Area Permit Administrator
- Visual Resources considerations and guidelines

**Cumulative Watershed Disturbance**

**Lynx Analysis Unit (LAU):** 62 Iron Mountain

**Technical Contact:** Todd Gardiner; [todd.gardiner@usda.gov](mailto:todd.gardiner@usda.gov); 970-240-5401

# Telski SBEADMR Treatments





## *GMUG SBEADMR Treatment Implement Data Sheet*

*Fiscal 2023*

**Treatment:** East Beaver

**District:** Norwood

**Proposed Treatment Acres:** 500

**Planned Treatment Acres:** Approximately 350

**Cover Type:** Spruce/fir/aspen

**Integrated Treatment Objectives:** Recovery/Resiliency Treatments; Reduce fuel loading and connectivity; Increase forage opportunity; Increase habitat diversity; Meet post-harvest tree stocking objectives; Promote natural regeneration / DHC; Road Maintenance; Reduce roadside hazards along NFSR 618; Provide commercial forest products to local independent industries

**Desired Condition:** For Aspen cover type, stimulate robust sprouting of aspen and create stands that are more resilient to on-going and future drought conditions and climate change. The goal is to mimic natural disturbance patterns resulting from a stand replacing event. For Mixed Conifer cover type, generate and maintain multiple stories. Shift species composition toward drought-resistant, shade intolerant species.

**Estimated Miles of Temporary Road Construction:** TBD in planning phase

### **Known Design Feature Triggers**

- Areas of high weed potential
- Water Influence Zones
- Soils
- Dispersed camping area/outfitter guides/Snowmobile club

### **Cumulative Watershed Disturbance**

**Lynx Analysis Units (LAUs):**

**Technical Contact:** Joseph Gonzales; joseph.f.gonzales@usda.gov; 970-240-5417

## GMUG SBEADMR Treatment Implement Data Sheet

Fiscal 2022

Treatment: Ground Hog

District: Norwood

Proposed Treatment Acres: 173

Planned Treatment Acres: 173

Cover Type: Spruce/fir

**Integrated Treatment Objectives:** Recovery/Resiliency Treatments; Reduce fuel loading and connectivity; Increase forage opportunity; Increase habitat diversity; Meet post-harvest tree stocking objectives; Promote natural regeneration / DHC; Provide commercial forest products to local independent industries

**Desired Condition:** Generate and maintain multiple stories. Shift species composition toward drought-resistant, shade intolerant species.

**Estimated Miles of Temporary Road Construction:** 1 mile of new construction

### Known Design Feature Triggers

- Areas of high weed potential
- Water Influence Zones
- Soils
- Dispersed camping area/outfitter guides/Snowmobile Club

### Cumulative Watershed Disturbance

Watershed	Acres of National Forest Lands	Baseline disturbance acres <sup>1</sup>	Ground Hog Treatment Acres				
			Acres of temporary road <sup>2</sup>	Acres of harvest <sup>3</sup>	Reasonable foreseeable <sup>4</sup>	Cumulative Disturbance (%)	Exceeds 20% trigger in EIS?

<sup>1</sup>Existing infrastructure and roads weighted at 100% disturbance (1 acres = 1 acre) plus past vegetation disturbance weighted at 25% disturbance (4 acres = 1 acre of disturbance).

<sup>2</sup>One mile of road construction = 4.8 acres of disturbance.

<sup>3</sup>Vegetation management disturbance weighted at 25% disturbance (4 acres = 1 acres)

<sup>4</sup>Reasonable foreseeable vegetation disturbances weighted at 25% disturbance (4 acres = 1 acre).

### Lynx Analysis Units (LAUs):

Lynx Analysis Unit	Total Acres of lynx habitat	Baseline disturbance acres and percent unsuitable <sup>1</sup>	Ground Hog Treatment Acres				
			Acres of road <sup>2</sup>	Acres of harvest converting to unsuitable <sup>3</sup>	Reasonable foreseeable <sup>4</sup>	Cumulative Disturbance (%)	Exceeds 25% trigger in EIS?

<sup>1</sup>Existing infrastructure and roads weighted at 100% disturbance (1 acres = 1 acre) plus past vegetation disturbance weighted at 25% disturbance (4 acres = 1 acre of disturbance).

<sup>2</sup>One mile of road construction = 4.8 acres of disturbance or conversion of 4.8 acres of lynx habitat to unsuitable.

<sup>3</sup>In single storied stands with high overstory mortality, lynx habitat is considered unsuitable and therefore logging will not make the stand “more unsuitable” but are included in the cumulative disturbance calculations. In multi-storied stands with live understory, the lynx habitat is considered suitable but will be diminished through harvest. Incidental loss is calculated at 15% for green harvest and 25% for salvage.

<sup>4</sup>Reasonable foreseeable vegetation disturbances weighted at 25% disturbance (4 acres = 1 acre).

**Technical Contact:** Joseph Gonzales; joseph.f.gonzales@usda.gov; 970-240-5417

## *GMUG SBEADMR Treatment Implement Data Sheet*

*Fiscal 2022*

**Treatment:** JJJJ Springs Small Sale

**District:** Ouray Ranger District

**Proposed Treatment Acres:** 100 – 250. Project in planning phase

**Planned Treatment Acres:** 100 – 250. Project in planning phase

**Cover Type:** Mixed Conifer with Aspen

### **Integrated Treatment Objectives:**

Stimulate Aspen Sprouting; Reduce fuel loading and connectivity; Increase forage opportunity; Increase habitat diversity; Meet post-harvest tree stocking objectives; Promote natural regeneration / DHC; Road Maintenance; Reduce roadside hazards along adjacent National Forest Service Roads; Provide forest products to local independent industries

**Desired Condition:** Generate and maintain multiple stories. Shift species composition toward drought-resistant, shade intolerant species. Stimulate Aspen Sprouting

**Estimated Miles of Temporary Road Construction:** TBD. Less than one mile.

**Known Design Feature Triggers:**

**Technical Contact:** Joseph Gonzales; joseph.f.gonzales@usda.gov; 970-240-5417

*GMUG SBEADMR Treatment Implement Data Sheet*  
*Fiscal 2022*

Treatment: Turkey Plot non-commercial aspen regen

District: Norwood

Proposed Treatment Acres: 450

Planned Treatment Acres: 450

Cover Type: Pondo pine/Aspen

Integrated Treatment Objectives: Aspen resiliency, range improvement, wildlife habitat

Desired Condition: FR3/CC2

Estimated Miles of Temporary Road Construction: 0

Known Design Feature Triggers: Range fence infrastructures, range permit timing

Technical Contact: Eric Brantingham