*GMUG SBEADMR Treatment Implement Data Sheet Fiscal 2020*

# Treatment: Rainbow

## District: Gunnison

Proposed Treatment Acres: 1,200

Planned Treatment Acres: 1,200

Cover Type: Spruce/fir/aspen

## Integrated Treatment Objectives: Resiliency Treatment- group selection of 25% of the stand in ~1/2 acre groups; Fuels removal and fuel loading reduction; Provide hare, marten, and lynx denning habitat; Snag retention, and landscape-scale habitat connectivity; Meet post-harvest tree stocking objectives; Road maintenance

Desired Condition: Uneven-aged stand structure, increased species composition, appropriate tree stocking levels based on objectives.

Estimated Miles of Temporary Road Construction: 5

# Known Design Feature Triggers

## Areas of high weed potential

* Lynx and Pine Marten
* Potential for dusky grouse habitat integration
* Wilderness area
* Colorado Roadless Area
* Dispersed camping area/outfitter guides
* Haul route through elk winter range and Gunnison Sage Grouse habitat

Cumulative Watershed Disturbance

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Rainbow Treatment Acres** | | | | |
| Watershed | Acres of National Forest Lands | Baseline disturbance acres1 | Acres of temporary road2 | Acres of harvest3 | Reasonable foreseeable4 | Cumulative Disturbance (%) | Exceeds 20%  trigger in EIS? |
| East Elk Creek | 10,197 | 796 | 2 | 23 | 0 | 8 | No |
| Willow Creek-Blue Mesa Reservoir | 7,702 | 338 | 22 | 217 | 0 | 7 | No |

1Existing 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).

2One mile of road construction = 4.8 acres of disturbance.

3Vegetation management disturbance weighted at 25% disturbance (4 acres = 1 acres)

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

Lynx Analysis Units (LAUs): **Red Creek**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Rainbow Treatment Acres** | | | | |
| Lynx Analysis Unit | Total Acres of lynx habitat | Baseline disturbance acres and percent unsuitable1 | Acres of road2 | Acres of harvest converting to unsuitable3 | Reasonable foreseeable4 | Cumulative Disturbance (%) | Exceeds 25%  trigger in EIS? |
| Red Creek | 44,930 | 3,113 | 24 | 45 | 66 | 7 | No |

1Existing 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).

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

3In single storied stands with high overstory mortality, lynx habitat is considered unsuitable. In multi-storied stands with live understory, the lynx habitat is considered suitable. Therefore, loss due to logging activities is considered incidental and is a result of harvest method.

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

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