

## Upper Beaver Desired Conditions

### ***Savannah Maintenance***

The proposed treatments consist of broadcast burning or maintenance burning and group selection cuts in combination with prescribed fire. The treatment is designed for areas that contain Mollisol soil types, which suggest a grassland evolution. The proposed treatments would be used to create new openings or to enlarge existing openings in the stand. Trees selected for thinning would range up to 18" on about 1,774 acres; and up to 16" on about 520 acres, with the majority of the trees removed across the total area being < 12 inches dbh. Target basal areas are 40 to 60 square feet per acre of ponderosa pine. All yellow pines would be retained, along with Gambel oak and alligator juniper.

### ***Thin from Below***

The proposed treatments consist of broadcast burning or maintenance burning and thinning. Trees from 1 inch to 18 inches dbh would be thinned with the majority of the trees removed being < 12 inches dbh on about 2,005 acres; trees from 1 inch to 16 inches dbh would be thinned with the majority of the trees removed being < 12 inches dbh on about 1,995 acres. All yellow pines would be retained, along with Gambel oak and alligator juniper. Thinning would occur over a range of size classes, leading to an uneven-aged condition. Target basal areas would vary by aspect, with north slopes ranging from 60 to 120 square feet per acre, and south and southwest aspects ranging from 40 to 80 square feet per acre.

### ***Transition Maintenance***

The proposed treatment would consist of broadcast burning or maintenance burning and thinning. Pine trees up to 18" will be thinned on about 1,910 acres; and up to 16" on about 770 acres, with most of the trees removed < 12 inches dbh. All yellow pines would be retained, along with Gambel oak and alligator juniper. The proposed treatments would occur in stands that are transitional between the ponderosa pine and pinyon-juniper vegetation types. The desired stand condition after treatment is to reduce the basal area of pine and to improve the overall condition for oak and juniper. The target basal area after treatment is 40-100 square feet per acre for all species. The desired stand condition would also aim to increase the average crown base height to 10 feet or greater.

### ***Uneven-aged Management***

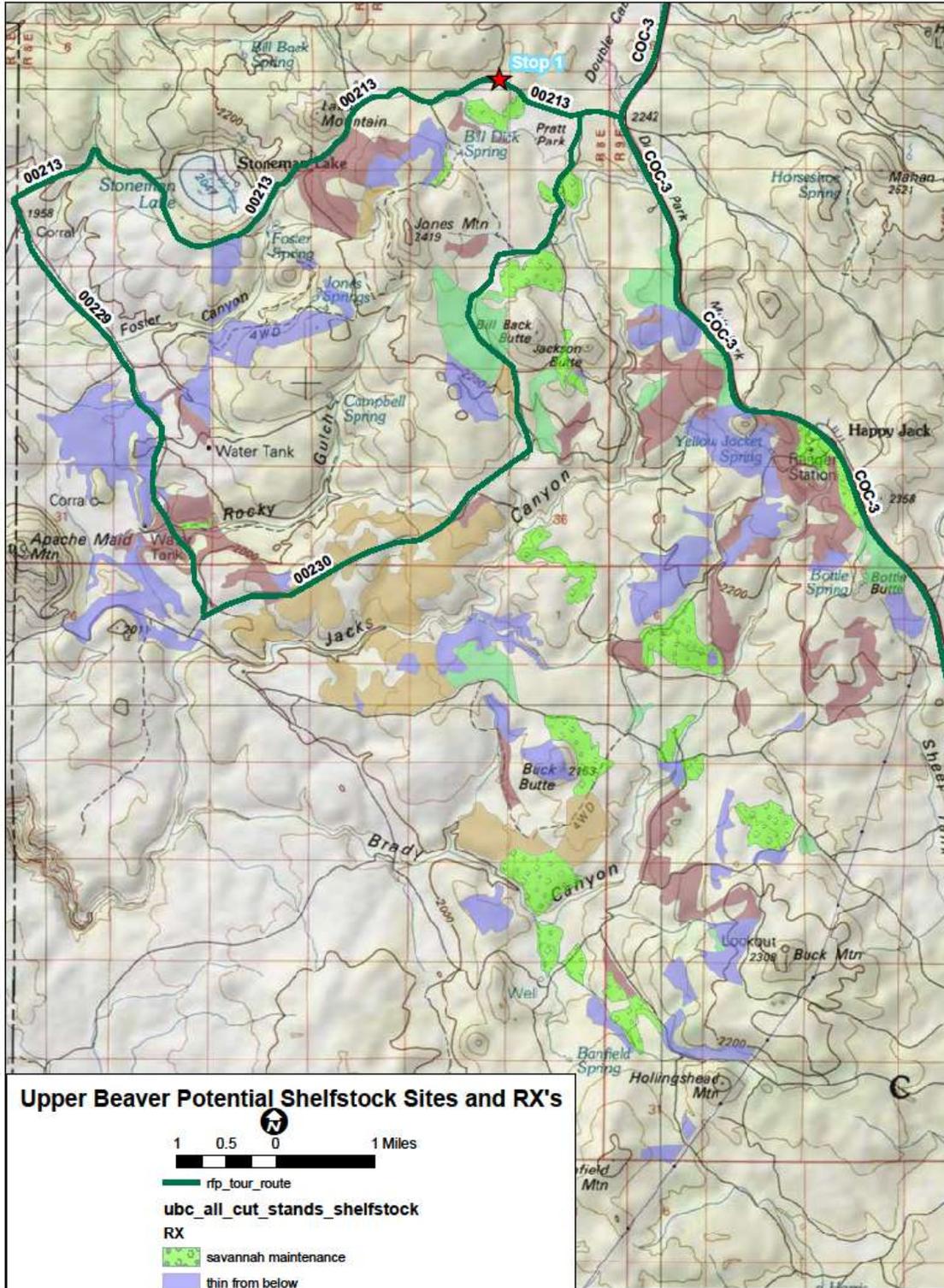
The stands selected for treatments are ponderosa pine and oak. These stands already have characteristics of multi-storied stands and multi-aged trees with existing openings where young trees are growing. Using the individual and group tree selection methods, thinning would increase the existing uneven-aged condition of the stands by creating additional openings for pine regeneration, improve tree health and promote large-tree components. Trees would be thinned up to 18 inches dbh on about 410 acres and up to 16 inches dbh on about 805 acres, with the majority of the trees removed being in the 5 – 12 inch dbh range. All yellow pines would be retained, along with Gambel oak and alligator juniper. The desired stand condition after treatment would aim for a stand basal area of 40-120 square feet per acre based on aspect (80-120 BA on north and east aspects and 40-80 BA on south and west aspects and within the WUI), 5-10 tons per acre of dead fuels, and an average crown base height of 10 feet or greater.

### ***Uneven-aged Goshawk***

The proposed treatment includes broadcast burning or maintenance burning, and thinning and group selection cuts to create small openings (1/4 to 4 acres in size). Trees would be thinned up to 18 inches dbh on about 1,111 acres; and up to 16" on about 2,498 acres, with the majority of the trees removed being in the 5 – 12 inch dbh range. All yellow pines would be retained, along with Gambel oak and alligator juniper. This proposed treatment is similar to the uneven-aged management except that the stands proposed for treatment are not presently exhibiting multi-canopied and multi-aged characteristics. This would be followed by tree thinning and group selection cuts to create small openings, 1/4 to 4 acres in size, as recommended in the Forest Plan goshawk guidelines. The desired stand condition after treatment aims toward the objective of having a stand basal area of 40-120 square feet per acre based on aspect. North and east aspects would range from 80-120 BA and on south and west aspects and within the WUI, BA would range from 40-80 BA. Approximately 1,926 acres proposed for treatment are within the WUI

# Upper Beaver Shelfstock Area Prescriptions

Four Forest Restoration Initiative Phase 1  
Coconino National Forest



**Upper Beaver Potential Shelfstock Sites and RX's**

1 0.5 0 1 Miles

rfp\_tour\_route

ubc\_all\_cut\_stands\_shelfstock

RX

- savannah maintenance
- thin from below
- transition maintenance
- uneven
- uneven-gos