

Appendix E

Goods, Services, and Probable Management Practices



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Introduction

This Appendix displays an estimate of the goods and services provided, the proposed (Decade 1) and probable (Decade 2) management practices expected, and information including land classification.

The outputs and proposed and probable practices listed are projections based on available inventory data and on computer modeling.

NOTE: The outputs and amounts listed below are estimates and are subject to annual budgets for funding the resource programs on the forest. Actual amounts may vary from these and will be monitored on an annual basis.

Land Classification

Land identified as suitable for timber management include producing timber as part of multiple use direction. These are lands that contribute to the timber sale program on a regularly scheduled basis. Table E-1 shows how acres of these lands compare to the total acreage of National Forest System land.

Table E-1. Classification of national forest land for timber production.

| Classification | Acres |
|---|-----------|
| Total National Forest System land | 1,495,747 |
| Non-forest and water | 107,261 |
| Legally withdrawn (Wilderness, *National* Scenic River) | 69,981 |
| Land not physically suited for timber production (e.g., low site index, regeneration not assured) | 1,964 |
| Land not appropriate for timber production due to other resource Management (e.g., riparian areas, campgrounds, unique areas) | 319,829 |
| Land suitable for timber management | 996,712 |

Allowable Sale Quantity (ASQ)

The allowable sale quantity of timber (ASQ) is the maximum amount of volume that may be offered and sold during a given decade of Forest Plan implementation from land identified as suitable for timber management. ASQ is normally expressed as an annual average.

During Decade 1 (the first ten years of plan implementation) the ASQ is 1,030 million board feet (171 million cubic feet). The amount of timber that may be sold annually may exceed 103 million board feet as long as the decadal ASQ is not exceeded. Decade 2 is estimated to be the same as Decade 1.

The estimated volumes that can be harvested in each decade on a long term, sustained yield capacity is equal to the annual ASQ of 17,156 mcf per year (103 mmbf). Volumes in decades 1-15 are all equal to these numbers.

Proposed (Decade 1) and Probable (Decade 2) Management Practices

Tables E-2 and E-3 list the proposed and probable management activities that would be used to work toward the vegetative and other multiple-use desired conditions and objectives of the Forest Plan. The table displays the amount of each harvest treatment for the first two decades of plan implementation based upon modeling estimates. Actual treatments during plan implementation may vary from these modeled outputs. Regeneration treatments set the forest vegetation back to age zero, meeting the 0-9 year old age class objective and include, but not limited to, clearcutting, seed tree, shelterwood, and uneven-aged harvests intended to regenerate forest vegetation. Thinning treatments include, but not limited to, commercial thinning and uneven-aged harvests intended to reduce the basal area of tree stocking of forest vegetation.

Table E-2. Estimate of acres of timber harvest by treatment method (Forestwide)

| Treatment Method | Decade 1 (Proposed) | | Decade 2 (Probable) | |
|-----------------------|---------------------|-------------|---------------------|-------------|
| | Acres | Percent | Acres | Percent |
| Commercial Thinning | 99,800 | 47% | 99,800 | 47% |
| *Clearcutting | 66,100 | 31% | 66,100 | 31% |
| Shelterwood cutting | 16,000 | 8% | 16,000 | 8% |
| Seed Tree cutting | 7,000 | 3% | 7,000 | 3% |
| Single Tree Selection | 3,200 | 2% | 3,200 | 2% |
| Group Selection | 20,400 | 10% | 20,400 | 10%* |
| Totals | 212,500 | 100% | 212,500 | 100% |

Table E-3. Proposed management activities for Decade 1.

| Management Activity | Unit | MP 1.1 and 1.2 Ecosystem Restoration | MP 2.1 General Forest | MP 5.1 Wilderness | MP 6.1 Semi Primitive Non Motorized | MP 6.2 Semi Primitive Motorized | Decade Total |
|-------------------------------------|-------|--------------------------------------|-----------------------|-------------------|-------------------------------------|---------------------------------|--------------|
| Commercial Thinning | acres | 33,600 | 50,000 | 0 | 1,200 | 15,000 | 99,800 |
| Pre-commercial thinning and release | acres | 7,500 | 30,000 | 0 | 300 | 2,400 | 40,200 |
| Regeneration cut | acres | 34,500 | 65,000 | 0 | 1,200 | 12,000 | 112,700 |
| Temporary roads | miles | 480 | 800 | 0 | 20 | 200 | 1,500 |
| Skid Trails (1 mile = .96 acres) | acres | 1,300 | 2,150 | 0 | 50 | 500 | 4,000 |
| Non-commercial thinning | acres | 8,400 | 0 | 0 | 0 | 0 | 8,400 |
| Red Cedar Reduction | acres | 10,600 | 2,000 | 0 | 0 | 0 | 12,600 |
| Prescribed Burning | acres | 236,600 | 270,300 | 42,900 | 32,100 | 87,300 | 688,000* |
| Hazard Fuels Treatment - Mechanical | acres | 36,500 | 77,600 | 21,500 | 6,800 | 6,800 | 149,200 |

* Includes a total of 18,800 acres in Management Prescriptions 6.3 and 8.1

Probable activities for Decade 2 are the same as for Decade 1.

Table E-4 lists the estimated acres proposed for ecosystem restoration work. This work moves the Forest toward the desired conditions and objectives during the first 10 years of Plan implementation.

Table E-4. Estimated Acres in MP 1.1 and 1.2 to be treated for restoration in Decade 1 based on Forest Plan objectives.

| Natural Community Type | Minimum | Maximum |
|------------------------|---------|---------|
| Prairie | 100 | 500 |
| Savanna | 5,300 | 13,400 |
| Open Woodland | 36,300 | 45,300 |
| Closed Woodland | 41,800 | 50,400 |
| Forest | 0 | 19,300 |
| Glade | 13,900 | 19,400 |
| Fens | 11 | 889 |
| Total | 97,411 | 149,189 |

