

# 15-year Forest Management Framework

## Corvallis Forest - 2012-2027

September 2011

This document was developed at the request of the Watershed Management Advisory Commission to help guide long-term sustainability of the Corvallis Forest. The purpose of this framework is to provide City officials and staff with guidance for the integrated management of the City Forest's resources. This document, accompanying map and spreadsheet provides a framework for guiding future forest management projects. It is not intended to provide a highly detailed blueprint for management activities. Periodic operating plans will provide substantial additional detail relative to proposed activities, and may require additional inventory work.

### Desired Future Forest Condition, (Corvallis Forest Stewardship Plan, 2006)

- Reserve areas to protect water quality and other sensitive resources.
- Plant communities dominated by native species that are vigorous and resilient to disturbance and climate change.
- Forest stands representing a variety of different ages and types, to provide a diversity of wildlife habitats.
- Healthy streams with high quality water that provide good aquatic habitat for native fish and other stream dwellers.
- Key old forest structural features that are nurtured and protected, including large trees, multi-aged stands, and biological legacies, including snags, large cavity trees, coarse woody debris, hardwoods, and shrubby openings.
- Special features and unique communities that are identified and maintained, including oak savanna/oak woodland, meadow habitats, and riparian forests.
- An arrangement of forest stands and plant communities across the property that provides connectivity of wildlife habitats, and integrates with that of the surrounding landscape.

### Planning Considerations:

1. All forest stands were assigned 5-year harvest increment blocks based on age, condition, and operability considerations. Harvested forest stands will be re-entered on average every 15-years. Longer return intervals may be needed for younger and older forest stands.
2. Harvest timing and levels within each block are designed to be flexible to accommodate shifting markets and needs.
3. Some forest stands or parts of forest stands may not be entered based on low harvest need or resource protection considerations. Stands will be evaluated for inclusion in the management base on a case-by-case basis.
4. To comply with Pacific Seabird Monitoring Protocols and USFWS recommendations, marbled murrelet surveys will be needed on average every 5 years.
5. Associated management needs (invasive weed spray, pre-commercial thinning, tree planting, vegetation control, etc.) will be evaluated and actions prescribed on a stand-by-stand basis.

***Table 1: Framework Management Actions In 5-year Increments***

5-year increment blocks	Light thin acres	Intermediate thin acres	Total harvest acres	Block harvest MBF	Avg. harvest acres/year	Avg. MBF/year
1	28	287	316	4,500	63	900
2	219	191	410	4,500	82	900
3	263	138	401	4,500	80	900

Block 1 = FY2012/13 thru FY2016/17

Block 2 = FY2017/18 thru FY2021/22

Block 3 = FY2022/23 thru FY 2026/27

Light thin includes ITS, and group selection prescriptions, harvesting on average 7.5 mbf/ac

Intermediate thin includes variable retention and patch cut prescriptions, harvesting on average 15 mbf/ac