Monitoring implementation of restoration treatments across the Malheur National Forest

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Desired Future Condition

Resilient and resistant dry forests that provide a full suite of ecosystem functions for nature and people.

Planning

Initial underlying collaborative forest restoration strategies suggested NEPA inefficiencies were a result of lack of pace and scale.

Adaptive Management



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Resilient and resistant dry forests that provide a full suite of ecosystem functions for nature and people.

Adaptive Management

Monitoring Prescribed Fire Mechanical Fuels Implementation

Planning

Commercial Thinning

Additional investments on some forests suggests though that planning inefficiencies can be overcome by money.

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forest restoration strategies



20 landscape restoration projects signed; 19 since 2008

638,707 acres under signed NEPA decision

37% of forest under current signed NEPA decision



Desired Future Condition

Resilient and resistant dry forests that provide a full suite of ecosystem functions for nature and people.

Adaptive Management

Monitoring Non-commercial Prescribed Mechanical Fuels



Initial underlying collaborative forest restoration strategies suggested NEPA inefficiencies were a result of lack of pace and scale.

Planning

Commercial Thinning

Additional investments on some forests suggests though that planning inefficiencies can be overcome by money.

Need to understand how NEPAapproved backlog is implemented to understand impact on achieving dry forest restoration goals.

Implementation

Thinning





Planned Vegetation Treatments 15 – 80% of project area planned for vegetation treatments Planned Prescribed Burning 0 – 100% of project area planned for prescribed burning

Trend towards larger project areas and more acres planned for vegetation treatment and/or prescribed fire through time





Footprint of **completed** vegetation treatments as of April 2019: **76,507 acres** (26% of what was planned, 12% of signed NEPA landscape)

For projects where vegetation treatments are completed, average about 70% of planned treatments completed and 30% of project area treated.



89,272 acres of forest have been **planned** for a <u>suite of</u> <u>mechanical treatments</u> including commercial thinning, non-commercial thinning, and fuels treatment (of some type)

Of those acres: 17,253 acres (19%) have had the full suite of mechanical treatments accomplished and 8,496 acres (9.5%) have had the full suite completed





6,389 acres (21%) of completed prescribed burning has occurred in an area that received a prior (completed) vegetation treatment within a given project

Activities from 2008-2019 on the Malheur National Forest



*<u>Note</u>:

Accomplished

indicates that acres are either under contract or funding has been obligated.

Completed indicates that work is done on the ground. Is this a reflection of the sequencing of restoration treatments and the lag time between commercial thinning and prescribed fire?



Which path are we on?

Catching up?

Keeping pace?

Falling behind?



Acres of commercial thinning accomplished by year

Acres of non-commercial and mechanical fuels treatments accomplished by year

treatments



Acres of pile burning accomplished by year

Acres of prescribed burning accomplished by year



Summary

- Trend towards larger project areas and more acres planned for vegetation treatment and/or prescribed fire through time
- Approximately 30% of planned treatments have had some sort treatment completed in them, but only 9% of units with multiple mechanical treatments have had the full suite of treatments completed (independent of time)
- Accomplished over 50% of planned commercial thinning, ~20% of non-commercial mechanical treatments, and <10% of prescribed burning or aspen/riparian restoration
- Keeping pace with commercial treatments, backlog exceeding implementation for other treatment types

Phase	Commercial Thinning	NCT/PCT	Biomass / Post & Pole	Fuels Treatment	Pile Burning	Prescribed Burning	Aspen Fencing	Aspen / Riparian Restoration
Planned (NEPA)	145,961	200,673	7,790	232,146	223,542	401,989	1,204	8,681
Planned (FACTS)	92,884	72,261	1,636	89 <i>,</i> 050	77,353	189,773	207	2,325
Accomplished	81,210	45,974	1,265	56,121	46,038	30,454	8	603
Completed	47,134	34,007	973	40,898	44,712	30,454	8	170
% Accomplished	56%	23%	16%	24%	21%	8%	1%	7%