



# FOUR FOREST RESTORATION INITIATIVE

## January 2024 MONTHLY REPORT

January

Fiscal Year 2024

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The Four Forest Restoration Initiative (4FRI) is a landscape-level effort to restore 2.4 million acres of ponderosa pine and mixed conifer forests on portions of the Apache-Sitgreaves, Coconino, Kaibab, and Tonto National Forests in northern Arizona. The 4FRI vision is to restore forest ecosystems, reduce threats of destructive wildfire to forest communities, support sustainable forest industries that strengthen local economies, protect critical watersheds, conserve natural resources, maintain aesthetic values, and ensure the long-term success of this project and industry. These watersheds supply water uses including municipal, domestic, irrigation and industrial uses for millions of people in the Phoenix metropolitan area.

The 4FRI Stakeholder Group serves a critical role in collaboratively working together to accomplish the program objectives. The stakeholders have been tracking progress since 2010 and are committed to getting work done on the ground by contributing knowledge, resources, and support.

The objective of this report is to broadly share the successes related to planned and accomplished work across the 4FRI area for commercial thinning, hazardous fuels reduction, and prescribed fire. This report highlights

### 4FRI Recent Updates

- Acres treated since last report:
  - 0 acres of commercial thinning awarded
  - 914 acres of commercial thinning implemented
  - 936 acres of non-commercial hazardous fuels reduction implemented
  - 6,651 acres of prescribed fire implemented
- 4FRI is one of 21 National Priority Landscapes under the Wildfire Crisis Strategy, <https://www.fs.usda.gov/managing-land/wildfire-crisis>. The Forest Service is stepping up the pace and scale of our fuels and forest health treatments to match the actual scale of wildfire risk.
- FY24 planned treatments across 4FRI:
  - Plan to award around 47,000 acres of commercial thinning contracts
  - Around 27,500 acres non-commercial hazardous fuel reduction
  - over 100,000 acres prescribed burning

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## 4FRI Vicinity Overview

The 4FRI program covers portions of four National Forests in northern Arizona – the Apache-Sitgreaves, Coconino, Kaibab, and Tonto National Forests. The overall 4FRI footprint encompasses roughly 6 million acres (Figure 1). Within this area 4FRI focuses on restoring ponderosa pine forests, which cover around 2.4 million acres within this initiative area footprint (Figure 1). In addition, some woodland and brush treatments to reduce hazardous fuels are included.

The United States Forest Service (hereafter Forest Service) uses a variety of treatment methods to restore ponderosa pine and woodland forests. Commercial thinning operations are used to restore forest structure where ground conditions are suitable for using heavy equipment, non-commercial hazardous fuels treatments are also used to restore forest structure in areas where heavy equipment is not suitable, and prescribed fire is used to reduce forest fuels, restore forest structure, and restore natural processes. To accomplish restoration objectives, these treatment methods may overlap over time and space.

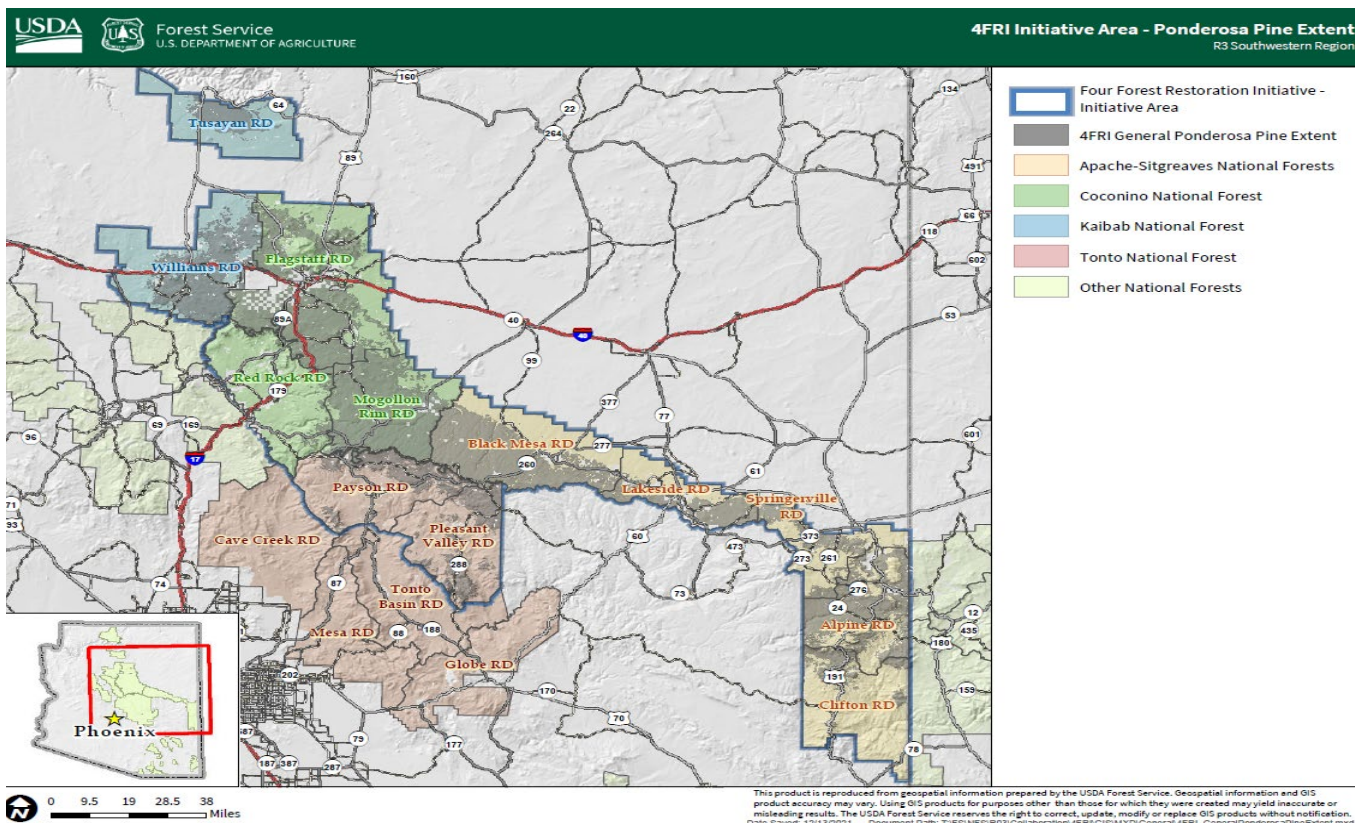


Figure 1. Vicinity Map showing the 4FRI footprint (Initiative Area, blue outline) and extent of ponderosa pine forest (gray area) within the footprint.

## Awarded and Completed Commercial Thinning, Non-Commercial Hazardous Fuels Reduction, and Prescribed Fire Treatments– 2010-2023

Forest restoration is a long-term commitment that may require multiple entries, using different restoration methods, to accomplish objectives. Any number of commercial and non-commercial mechanical treatments, pile burning, and broadcast burning could be used on the same piece of ground to restore forest structure and processes. Table 1 provides a summary of all restoration treatments that have occurred annually since 2010 in the 4FRI footprint. This includes acres that were *awarded* in commercial thinning contracts, as well as acres *implemented* on commercial thinning contracts, non-commercial hazardous fuels reduction treatments, broadcast burning, and pile burning. Some of these treatments overlap on the same piece of ground.

Table 1. Summary of Acres Awarded and Completed by Fiscal Year (Oct 1 – Sept 30) since 2010.

Summary by Fiscal Year	Commercial Thinning Acres Awarded	Commercial Thinning Acres Completed	Non-Commercial Thinning Completed	Broadcast Burn Acres Completed	Pile Burn Acres Completed
Fiscal Year 2010	10,882	13,198	30,977	35,628	11,761
Fiscal Year 2011	17,638	16,277	23,507	34,019	17,741
Fiscal Year 2012	10,063	8,865	29,817	28,160	6,582
Fiscal Year 2013	12,979	11,739	19,061	24,128	8,584
Fiscal Year 2014	10,730	11,278	19,495	24,717	10,057
Fiscal Year 2015	21,263	16,302	25,573	33,648	10,381
Fiscal Year 2016	40,099	11,742	22,709	53,292	8,085
Fiscal Year 2017	32,514	15,118	23,008	44,155	2,399



Fiscal Year 2018	21,983	9,611	27,789	66,218	6,704
Fiscal Year 2019	31,028	12,243	20,578	52,566	6,095
Fiscal Year 2020	16,430	12,446	20,656	53,379	4,831
Fiscal Year 2021	6,616	18,119	20,021	11,638	3,323
Fiscal Year 2022	24,886	25,510	36,858	56,716	5,286
* Fiscal Year 2023	29,956	14,567	13,566	47,565	7,550
<b>Total Acres:</b>	<b>287,067</b>	<b>197,015</b>	<b>333,617</b>	<b>565,828</b>	<b>109,380</b>

\* Acres for Fiscal Year 2023 are preliminary. Scripts need to be run in FACTS to validate final numbers.

In addition to reporting the total acres of treatments conducted, it's also useful to understand the actual footprint of land where restoration treatments have occurred. As noted earlier, multiple treatments could occur on the same piece of ground, so the actual acres restored would be less than the treatment acres conducted. For example, Table 1 could show one acre of commercial thinning and one acre of pile burning, even though those two activities occurred on the same piece of ground. Table 2 on the other hand dissolves treatment types spatially to provide the number of acres that have received one or more restoration treatments since 2010. In addition, Table 2 also provides the number of acres that have had a commercial thinning treatment and a broadcast burn. This information is useful for understanding the overall restoration treatment and potential maintenance needs for post-harvest regeneration.

**Table 2. Summary of the actual footprint of land that has had one or more treatments completed between 2010-2022**

Forest	Acres with One or More Treatment	Acres of Commercial Thinning	Total Acres with Commercial Thinning and Broadcast Burn Treatments
Apache-Sitgreaves	291,402	117,373	23,499
Coconino	189,956	30,632	5,536
Kaibab	142,136	26,810	7,695
Tonto	96,372	7,632	1,477
<b>TOTAL ACRES</b>	<b>719,866</b>	<b>182,448</b>	<b>38,207</b>

\* These numbers could differ from previous reports. The Forest Service has revised its methods for collecting and sharing data. Current reporting is based on information stored in the Forest Activity Tracking System (FACTS), the official database of record for the Forest Service.

## Fiscal Year 2024 Awarded, Ongoing, and Completed Projects

This section of the report summarizes current fiscal year (October 1 – September 30) accomplishments and is updated monthly. Commercial thinning contracts include traditional timber sales, stewardship contracts, and agreements that are part of the Forest Service's regular program or work and our high-priority partnerships. These two categories (program of work and partnerships) are further split out later in this report. It's important to note that awarded acres and completed acres in a given fiscal year are often not the same acres. Rather, acres completed in FY24 were often awarded in previous years and acres awarded in FY24 will often be completed in future years, since most contracts take multiple years to complete.

**Table 3. Acres awarded and completed in FY24. Many of the acres that are completed in FY24 are from sales that were awarded in previous years. Likewise, many acres that are awarded in FY24 will be completed in out-years.**

FY24 Activity Acres Awarded and Completed	Total Acres	Acres Since Last Report
Commercial Thinning Contracts Awarded	0	0
<b>Commercial Thinning Acres Completed</b>	<b>5,287</b>	<b>914</b>
Non-Commercial Hazardous Fuels Contracts Awarded	0	0

Non-Commercial Hazardous Fuels Acres Completed	3,491	936
Pile Burning Acres Completed	7,394	6,651
Broadcast Burning Acres Completed	58,548	0
Managed Wildfire Completed	16,716	0

**Table 4. Currently awarded commercial contracts with ongoing operations. This table is updated monthly and contains a summary of the progress of each commercial contract within 4FRI.**

Forest	Fiscal Year Awarded	Contract Termination Date	Sale Name	Contractor	Total Sale Acres	Total Acres Completed*	Acres Remaining	Acres Harvested FY24**	Acres Completed Since Previous Month*
A-S	FY16	9/8/2024	Larson Sandstone	Tri Star Logging	2,883	2,572	311	389	0
A-S	FY18	3/31/2025	URA-Billy Mountain	WW Cattleguards	3,268	3,243	25	0	0
A-S	FY18	10/15/2024	Larson-Slim Re-Offer	Tri Star Logging	1,990	1,525	465	0	0
A-S	FY18	12/31/2025	Larson-Ryan	Tri Star Logging	1,885	408	1,477	188	78
A-S	FY28	9/30/2026	Larson-Woods Stew	Tri Star Logging	2,066	0	2,066	0	0
A-S	FY18	7/01/2026	Burnt Mill Stew.	Tri Star Logging	931	753	178	0	0
A-S	FY19	6/27/2027	GP-Greens Peak	Tri Star Logging	1,140	282	858	0	0
A-S	FY19	7/15/2026	RL-Palomino	Tri Star Logging	1,682	0	1,682	0	0
A-S	FY19	9/30/2025	WE- ELC	R&J ECO-CHALLENGE WEST, Inc. dba Holliday Timber	2,565	2,009	556	100	20
A-S	FY20	6/30/2027	Larson-Springs Reoffer	Canyon Ck Logging Inc.	1,042	800	242	800	286
A-S	FY20	9/29/2024	WE-Reagan PJ	Chippin-in, LLC	2,486	1,086	1,400	511	0
A-S	FY20	9/22/2024	Nappa (Carr Lake 2)	Tri Star Logging	1,412	1,365	47	102	0
A-S	FY21	12/31/2025	URA – Draw Stewardship	Canyon CK Logging Inc.	1,591	621	970	0	0
A-S	FY21	6/01/2028	Larson – Smith	Tri Star Logging	2,209	532	1,677	0	0
A-S	FY22	9/30/2026	Larson – Potato Re-Offer	Tri Star Logging	2,659	230	2,429	0	0
A-S	FY22	12/31/2025	Morgan North	Chippin-in, LLC	209	0	209	0	0
A-S	FY22	6/30/2027	Mare Stewardship	Canyon CK Logging Inc.	1,596	595	1,000	0	0
A-S	FY22	9/30/2028	Promontory	Tri Star Logging	2,344	0	2,300	0	0
A-S	FY23	03/31/2025	Okv	Tri Star Logging	1,887	460	1,427	0	0
A-S	FY23	12/31/2027	URA - Chipmunk	Canyon Creek Logging	1,770	1,077	693	393	0
A-S	FY23	12/31/2027	N1 Stewardship	Canyon Creek Logging	1,168	0	1,168	0	0
A-S	FY23	12/31/2026	Halter	Canyon Creek Logging	906	0	906	0	0
A-S	FY23	12/31/2026	RL – OW	Canyon Creek Logging	2,001	150	1,851	150	0
A-S	FY23	12/31/2027	Stringer	Forest Energy Corp.	1,979	0	1,979	0	0
A-S	FY23	12/31/2026	Noble Mtn	SC Cutting, LLC	322	0	322	0	0

Forest	Fiscal Year Awarded	Contract Termination Date	Sale Name	Contractor	Total Sale Acres	Total Acres Completed*	Acres Remaining	Acres Harvested FY24**	Acres Completed Since Previous Month*
-----	-----	-----	-----	<b>Apache-Sitgreaves Totals:</b>	<b>45,262</b>	<b>18,640</b>	<b>26,622</b>	<b>2,959</b>	<b>384</b>
Coconino	FY15	5/15/2023	Munds Park	James Perkins	650	642	8	19	0
Coconino	FY17	10/15/2023	Two Joes	Tri Star Logging	1,528	1,152	376	0	0
Coconino	FY19	12/31/2023	A-1 South Multiproduct Sale	Joe Dirt Excavating Inc	2,470	1,894	576	160	0
Coconino	FY19	12/3/2028	General Springs SPA	National Wild Turkey Federation	3,519	472	3,047	0	0
Coconino	FY20	12/31/2024	Horse Park	Dakota Logging	2,747	2,553	194	62	0
Coconino	FY20	12/31/2024	Shultz Tank (6T)	Bob Lee and Sons	447	271	176	0	0
Coconino	FY21	12/31/2026	Willard	Dakota Logging	2,316	1,590	726	98	0
Coconino	FY21	12/31/2026	Mormon Mountain	Suarez Forestry	640	45	595	0	0
Coconino	FY22	2/28/2024	Little Springs GNA	AZ DFFM	383	141	242	0	0
Coconino	FY22	3/01/2023	Baker	AZ Dept Fire & Forestry	1,010	435	575	0	0
Coconino	FY22	7/15/2023	Elk Clark	New Life Forest Products	1,738	335	1,403	0	0
Coconino	FY22	9/30/2027	Southside Airport	Bob Lee & Sons	2,023	0	2,023	0	0
Coconino	FY22	9/25/2023	Gifford GNA	Bob Lee & Sons	2,756	0	2,756	0	0
Coconino	FY22	9/26/2023	McCarty GNA	New Life Forest Products	1,474	0	1,474	0	0
Coconino	FY22	9/25/2023	Roosevelt GNA	Suarez Forestry	2,284	1,204	1,080	695	0
Coconino	FY23	12/31/2027	Walker Hill Timber	Restoration Forestry	1,865	482	1,383	51	0
Coconino	FY23	12/31/2027	Frog Tank	Restoration Forestry	2,701	250	2,451	250	250
Coconino	FY23		Cragin Johnson	AZDFFM	596	0	596	0	0
Coconino	FY23		Cragin Kehl	AZDFFM	1,690	0	1,690	0	0
Coconino	FY23		Cragin Kinder	AZDFFM	3,491	0	3,491	0	0
Coconino	FY23		ADOT Hwy 260&87						
Coconino	FY24		Newman Park	Restoration Forestry	2,976	60	2,916	60	60
-----	-----	-----	-----	<b>Coconino Totals:</b>	<b>42,531</b>	<b>11,526</b>	<b>31,005</b>	<b>1,395</b>	<b>250</b>
Kaibab	FY20	12/31/2025	Beacon Box Car	Perkins Timber Harvesting	1,800	1,279	521	0	0
Kaibab	FY21	12/31/2024	Junction	Bob Lee and Sons	353	293	60	0	0
Kaibab	FY22	12/31/2026	Fourtyniner West	Perkins Timber Harvesting	1,433	483	950	33	33
Kaibab	FY22	8/31/2025	Holden	Perkins Timber Harvesting	1,365	1,121	244	265	62
Kaibab	FY23	12/31/2025	Government Prairie	Restoration Forestry	1,366	779	587	629	185

Forest	Fiscal Year Awarded	Contract Termination Date	Sale Name	Contractor	Total Sale Acres	Total Acres Completed*	Acres Remaining	Acres Harvested FY24**	Acres Completed Since Previous Month*
Kaibab	FY23	12/31/2026	Klostermeyer	Dakota Logging	1,187	0	1,187	0	0
-----	-----	-----	-----	<b>Kaibab Totals:</b>	<b>7,504</b>	<b>3,955</b>	<b>3,549</b>	<b>933</b>	<b>280</b>
Tonto	FY18	4/30/2024	Diamond Nickel IRTC	Tri Star Logging	693	383	310	0	0
Tonto	FY23	12/31/2026	Pringle Tater Chip	Canyon Creek Logging	1,873	0	1,873	0	0
Tonto	FY23		Poco Pino	AZ DFFM – Saurez Forestry	718	0	718	0	0
Tonto	FY23		FY23 Pine Canyon	National Forest Foundation	348	0	348	0	0
-----	-----	-----	-----	<b>Tonto Totals:</b>	<b>3,632</b>	<b>383</b>	<b>3,249</b>	<b>0</b>	<b>0</b>
-----	-----	-----	-----	<b>4FRI Totals:</b>	<b>97,613</b>	<b>33,572</b>	<b>64,041</b>	<b>5,287**</b>	<b>914</b>

\* Acres that are reported as completed are based on when the last log leaves a cutting or payment unit. If only a portion of a given unit are cut, those acres aren't reported until the last log leaves the unit.

\*\*Acres Harvested FY24 include sales that have been completed this fiscal year, but are no longer shown in this table. Completed sales are moved to Table 14 located in Appendix A.



Table 5. Total sale volume, total volume removed, total volume remaining, and current month volume removal is provided to give stakeholders an accounting of monthly timber sale activities. While acres are reported when the last log leaves a given unit, volume removal is reported each month regardless of whether the entire unit was completed. These numbers are derived from the FPFS 4.1.S Report.

Forest	Sale Name	Conversion Factor (CCF to Tons)	Total Sale Volume (CCF*)	Total Volume Removed (CCF*)	Total Volume Remaining (CCF*)	Monthly CCF* Removed
A-S	Larson Sandstone		21,874	19,421	2,453	0
A-S	URA-Billy Mountain		16,867	16,691	176	0
A-S	Larson-Slim Re-Offer		20,792	9,769	11,023	0
A-S	Luna Tank (West Escudilla)		9,886	9,654	232	0
A-S	Larson-Ryan		17,742	2,335	15,407	-25
A-S	Burnt Mill Stew.		32,865	18,768	14,097	0
A-S	GP-Greens Peak	0.36547	15,051	3,866	11,184	0
A-S	RL-Palomino		12,016	0	12,016	0
A-S	WE- ELC		17,210	15,313	1,897	208
A-S	Larson-Springs Reoffer		8,965	5,450	3,515	966
A-S	WE-Reagan PJ	0.36002	6,915	1,546	5,369	0
A-S	Larson – Woods Stewardship		13,949	0	13,949	0
A-S	URA – Draw Stewardship		11,302	8,618	2,684	0
A-S	Larson – Smith		14,726	3,920	10,806	0
A-S	Larson – Potato Re-Offer		16,390	1,476	14,914	0
A-S	Morgan North		528	0	528	0
A-S	Mare Stewardship		7,747	3,134	4,612	0
A-S	Promontory		15,904	0	15,904	0
A-S	Okty		4,034	1,210	2,824	0
A-S	URA - Chipmunk		14,813	9,098	5,715	0
A-S	N1 Stewardship		8,963	0	8,963	0
A-S	RL – OW		5,064	236	4,827	0
A-S	Halter		2,398	0	2,398	0
A-S	Noble Mountain	0.35504	1,379	0	1,379	0
A-S	Stringer		6,689	0	6,689	0
-----	-----	<b>A-S Totals:</b>	<b>304,069</b>	<b>130,505</b>	<b>173,561</b>	<b>1,149</b>
Coconino	Two Joes	0.30977	9,504	5,590	3,914	0
Coconino	A-1 South Multiproduct Sale	0.29618	16,022	12,952	3,069	364
Coconino	General Springs SPA	0.30898	26,471	0	26,471	0
Coconino	Shultz Tank (6T)	0.31684	3,466	2,738	728	0
Coconino	Willard	0.30376	37,469	22,817	14,653	0
Coconino	Mormon Mountain	0.30784	5,865	2,120	3,745	0
Coconino	4FRI PACS (Bonita, Mayflower)	0.34949	4,290	4,244	46	0
Coconino	Little Springs GNA	0.30784	5,640	2,073	3,567	0
Coconino	Baker	0.20805	10,525	6,856	3,669	0
Coconino	Elk Clark	0.16154	14,019	5,075	8,943	784
Coconino	Southside Airport	0.29763	17,928	3,228	14,700	744
Coconino	Gifford GNA	0.31039	24,983	0	24,983	0
Coconino	McCarty GNA	0.31667	13,979	0	13,979	0
Coconino	Roosevelt GNA	0.30745	17,430	11,551	5,879	171
Coconino	Frog Tank	0.3004	25,618	3,125	22,492	2,738

Forest	Sale Name	Conversion Factor (CCF to Tons)	Total Sale Volume (CCF*)	Total Volume Removed (CCF*)	Total Volume Remaining (CCF*)	Monthly CCF* Removed
Coconino	Walker Hill Timber	0.3019	18,919	9,510	9,409	0
Coconino	Johnney's REPI		16,377	0	16,377	0
Coconino	Newman Park	0.31732	26,091	3,323	22,768	2,755
Coconino	Weimer Springs REPI		1,940	0	1,940	0
-----	-----	<b>Coconino Totals:</b>	<b>296,536</b>	<b>95,202</b>	<b>201,332</b>	<b>7,556</b>
Kaibab	Cougar Park	0.29049	12,865	11,065	1,801	0
Kaibab	Beacon Box Car	0.2951	15,207	10,975	4,232	161
Kaibab	Parks West	0.30653	41,306	40,942	364	0
Kaibab	Fourtyniner West	0.31286	14,733	1,175	13,558	255
Kaibab	Holden	0.31771	20,867	12,332	8,535	688
Kaibab	Government Prairie	0.24319	10,921	4,911	6,010	1,064
Kaibab	Klostermeyer	0.31844	10,102	0	10,102	0
-----	-----	<b>Kaibab's Totals:</b>	<b>126,001</b>	<b>81,400</b>	<b>44,602</b>	<b>2,168</b>
Tonto	Diamond Nickel IRTC	0.32262	6,691	4,733	1,958	0
Tonto	Poco Pino GNA		4,786	0	4,786	0
Tonto	Pringle Tater Chip	0.31615	13,568	0	13,568	0
-----	-----	<b>Tonto Totals:</b>	<b>25,045</b>	<b>4,733</b>	<b>20,312</b>	<b>0</b>
-----	-----	<b>4FRI Totals:</b>	<b>751,651</b>	<b>311,840</b>	<b>439,807</b>	<b>10,873</b>

\* Volume includes total volume for all species and products. Tons are converted to CCF for the purposes of this report. Future reports will incorporate a conversion factor for converting CCF to tons.

## High Priority Partner Projects

The 4FRI Restoration Strategy identified nine projects across 4FRI that have a high potential to significantly reduce the risk of catastrophic wildfire by addressing immediate, pressing safety needs that are most threatening to communities today. These critical projects are being implemented through partnerships, using the Good Neighbor Authority (GNA) and Master Stewardship Agreements (MSA). High priority partner projects on the Coconino National Forest will include product removal. High-priority partner projects on the Kaibab National Forest will not include product removal and will instead focus on non-commercial hazardous fuel reduction. High-priority partner projects on the Tonto National Forest will have limited commercial timber product removal and will primarily be composed of mechanical mastication of hazardous fuels and non-commercial thinning work.

**Table 6. List of High Priority Partner Projects, including FY24 planned and awarded agreements.**

Priority Project	Primary Partner	Total Project Acres	Fiscal Year/Individual Project Name	Treatment Method	Individual Project Acres	Total Acres Awarded To-Date	Acres Remaining for Award
Flagstaff Watershed Protection Project	COF, CC, AZDFFM	2,500	FY22 FWPP Deck Sale	Non-Commercial	0	0	2,342
			FY23 Weimer TSI	Non-Commercial	158	158	
REPI	DOD	6,297	Bonita, Mayflower	Commercial	993	993	5,304
			FY23 Johnny's	Commercial	2,670	0	
			FY23 Weimer	Commercial	363	0	
			FY24 Marshall	Commercial	2,271	0	
Innovations	TNC	5,000	FY22 Walker Hill Demo	Commercial	410	410	4,590
Cragin	AZDFFM / WTF	35,360	FY19 General Springs	Commercial	3,519	3,519	24,317
			FY22 Baker	Commercial	1,010	1,010	
			FY22 McCarty	Commercial	1,474	1,474	
			FY22 Roosevelt	Commercial	2,284	2,284	
			FY22 Gifford	Commercial	2,756	2,756	
			FY23 Johnson	Commercial	650	596	
			FY23 Kehl	Commercial	1,722	1,690	
			FY23 Kinder	Commercial	3,491	3,491	
Bill Williams	NFF, CC	2,773	SS1 300 Acres, SS2 176	Non-Commercial	476	476	2,012
			FY22 Steep Slope Phase 3	Non-Commercial	285	285	
			FY23 Steep Slope Phase 4	Non-Commercial	400	0	
Dude Fire Restoration Project	AZDFFM	7,600	FY22 Dude Fire Restoration Phase 1	Mastication	1,450	1,450	4,995
			FY23 Dude Fire Restoration Phase 2	Mastication	1,155	1,155	
			FY24 Dude Fire Restoration Phase 3	Mastication	2,200	0	
	AZDFFM	62,000	FY22 Roberts	Mastication	588	588	58,577

Priority Project	Primary Partner	Total Project Acres	Fiscal Year/Individual Project Name	Treatment Method	Individual Project Acres	Total Acres Awarded To-Date	Acres Remaining for Award
Greater Payson DFFM			FY22 Keger	Mastication	209	209	
			FY22 Pringle Tater Chip	Mastication	312	312	
			FY23 South Payson	Mastication	2,314	2,314	
			FY24 Greater Payson Phase 2	Mastication	4,309	0	
			FY22 Flying V&H	Mastication	1,045	1,045	
Woodland Flying V&H, Dead Man Mesa	NFF	5,684	FY23 Deadman Mesa	Mastication	3,178	3,178	4,223
Pine Canyon	NFF	500	FY23 Canyon Ground Based	Commercial	350	348	0
			FY24 Pine Canyon Steep Slope	Commercial	107	107	
Tonto North-zone Timber GNA	DFFM	2,975	FY23 Poco Pino	Commercial	718	718	150
			FY24 Colcord Stallion	Commercial	2,275	0	2,975
Sawmill Springs Biomass	TNC	688	FY24 Sawmill Springs Biomass Demo	Commercial Biomass	688	0	685
<b>TOTALS</b>	-----	<b>131,377</b>	-----	-----	<b>36,942</b>	<b>17,687</b>	<b>114,287</b>

\* AZDFFM = Arizona Department of Forestry and Fire Management. CC = Coconino County. COF = City of Flagstaff. DOD = Department of Defense. NFF = National Forest Foundation. TNC = The Nature Conservancy. WTF = Wild Turkey Foundation

# Commercial Timber Program of Work

This section includes a summary of planned commercial thinning projects in FY24. These projects use commercial timber sales or stewardship contracts that contain product removal. There is significant prep work required to prepare a timber sale for bid. The prep work includes surveys for numerous resources including archaeology and special status wildlife species. The projects must follow the design criteria (sometimes called design features, conservation or mitigation measures, or best management practices) identified in the associated National Environmental Policy Act (NEPA) document. The timber units must be cruised and marked in preparation for the contract. It takes multiple years to conduct surveys and prepare the timber units for sale. The projects and acres contained in this table are current estimates and are subject to change to enable the program manager to respond to a variety of external and internal factors. Entities outside the Forest Service should not rely on this information when making decisions that affect their business or organization. For a more concrete list of contract offerings expected within the next six months, please check with individual Forest's timber program managers.

**Table 7. List of commercial thin contracts planned by forest in FY24.**

Forest	District	NEPA Document Title	Sale Name	Acres Planned	Acres Awarded
Apache-Sitgreaves	Alpine	Black River EA	BR – Beaverhead	2,588	0
Apache-Sitgreaves	Black Mesa	Rim Country EIS	Whiskey IRSC	1,200	0
Apache-Sitgreaves	Alpine	Black River EA	BR – Johns Canyon	2,729	0
Apache-Sitgreaves	Black Mesa	Rim Country EIS	County Line Stew.	1,107	0
Apache-Sitgreaves	Black Mesa	Rim Lakes EA	Sheep	1,535	0
Apache-Sitgreaves	Lakeside	Upper Rocky Arroyo EA	Blue	1,117	0
Apache-Sitgreaves	Lakeside	Upper Rocky Arroyo EA	Ridge	1,730	0
-----	-----	-----	<b>Apache-Sitgreaves Total FY24 Acres</b>	<b>12,006</b>	<b>0</b>
Coconino	Flagstaff	Hart Prairie	Hoch	2,053	0
Coconino	Flagstaff	Wing Mountain	Wing East	2,603	0
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	A-1 North Re-Offer	1,047	0
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	Bootleg Antelope Re-Offer	1,452	0
Coconino	Flagstaff	Hart Prairie	Derffer	2,586	0
Coconino	Flagstaff	Wing Mountain	Wing West	4,865	0
Coconino	Mogollon	CC Cragin	CWPP – Clover	2,058	0
Coconino	Mogollon	4FRI 1 <sup>st</sup> EIS	Sawmill	2,000	0
Coconino	Mogollon	Clints Well	Brie	1,500	
Coconino	Flagstaff	Wing Mtn EA	Little Wing IRSC	635	0
Coconino	Flagstaff		REPI Johnney's	2,670	0
Coconino	Flagstaff		REPI Marshall	2,271	0
-----	-----	-----	<b>Coconino Total FY24 Acres</b>	<b>25,740</b>	<b>0</b>
Kaibab	Williams	4FRI 1 <sup>st</sup> EIS	Fourtyniner East	1,131	0
Kaibab	Williams	4FRI 1 <sup>st</sup> EIS	Spitz Hill	1,843	0
Kaibab	Williams	4FRI 1 <sup>st</sup> EIS	Dude	1,396	0



Forest	District	NEPA Document Title	Sale Name	Acres Planned	Acres Awarded
Kaibab	Williams	4FRI 1 <sup>st</sup> EIS	Sitgreaves West	1,942	0
Kaibab	Williams	4FRI 1 <sup>st</sup> EIS	Sawmill Springs Bio	688	0
-----	-----	-----	<b>Kaibab Total FY24 Acres</b>	<b>7,000</b>	<b>0</b>
Tonto	Payson	Christopher Hunter	Colcord Stallion	2,275	0
Tonto	Payson	Rim Country EIS	Little Nolan CG	110	0
-----	-----	-----	<b>Tonto Total FY24 Acres</b>	<b>2,385</b>	<b>0</b>
-----	-----	-----	<b>4FRI Total FY24 Acres Planned and Awarded</b>	<b>47,191</b>	<b>0</b>

## Non-Commercial Hazardous Fuel Reduction and Prescribed Fire

This section includes a summary of planned treatments and acres implemented for non-commercial hazardous fuel reduction, prescribed fire, and managed wildfire for FY24. Hazardous fuels reduction, shown in Table 8, includes non-commercial treatments that don't result in product removal and include treatment methods including mastication and thinning with chainsaws. Prescribed fire, shown in Table 9, includes broadcast burning, pile burning, and managed wildfire. Forests do not anticipate having the ability to implement all broadcast burns listed in this table, but rely on having a large pool of projects ready to implement to provide fire managers with the ability to move operations to areas where burn windows are favorable. Actual prescribed fire target acres for each forest are approximately 35,000 acres per year for the Apache-Sitgreaves (~46,000 acres shown), 20,000 acres per year for the Coconino (~60,000 acres shown), 20,000 acres per year for the Kaibab (~28,000 acres shown), and 14,000 acres per year for the Tonto (~23,000 acres shown).

**Table 8. List of non-commercial hazardous fuels reduction projects planned, awarded, and implemented by forest in FY24.**

Forest	District	NEPA Document Title	Project Name	Treatment Type	FY24 Acres Hazardous Fuels Planned	FY24 Acres Hazardous Fuels Awarded	FY24 Acres Hazardous Fuels Implemented
Apache-Sitgreaves	Black Mesa	RCRX	FY23 Ross Draw	Mastication	0	0	0
Apache-Sitgreaves	Black Mesa	RCRX	FY23 Ross Draw	Mastication	0	0	0
Apache-Sitgreaves	Apache		FY23 Big Lake	Hand Thinning	0	0	0
Apache-Sitgreaves	Apache		FY23 Big Lake	Mastication	0	0	0
Apache-Sitgreaves	Black Mesa	Ross Draw CE	FY24 Ross Draw	Mastication	725	0	0
Apache-Sitgreaves	Springerville	Wallow West	FY24 Wallow West Site Prep	Mastication	500	0	0
Apache-Sitgreaves	Black Mesa		FY24 Mare 1 TSI	Mechanical Thinning	114	0	0
Apache-Sitgreaves	Lakeside		FY24 Show Low West Mastication	Mastication	800	0	0
Apache-Sitgreaves	Springerville		FY24 Springerville Hazard Tree Removal	Mechanical Thinning	379	0	0
Apache-Sitgreaves	Springerville	Greens Peak CE	Greens Peak Pile Removal & Thinning	Mechanical Thinning	152		
Apache-Sitgreaves	Springerville	Black River EA	FY24 Big Lake Phase 3	Mechanical Thinning	400	0	0
Apache-Sitgreaves	Alpine		FY24 Alpine Hazard Tree Removal	Mechanical Thinning	730	0	0
-----	-----	-----	-----	<b>FY23 A-S Totals:</b>	<b>3,800</b>	<b>0</b>	<b>0</b>

Forest	District	NEPA Document Title	Project Name	Treatment Type	FY24 Acres Hazardous Fuels Planned	FY24 Acres Hazardous Fuels Awarded	FY24 Acres Hazardous Fuels Implemented
Coconino	Flagstaff	4FRI 1st EIS	FR 556 Phase 1	Hand Thinning	0	0	0
Coconino	Flagstaff	4FRI 1st EIS/ Eastside EA	FR 556 Phase 2	Hand Thinning	0	0	0
Coconino	Flagstaff	4FRI 1st EIS	Pumphouse Wash	Hand Thinning	0	0	0
Coconino	Flagstaff	4FRI 1st EIS	Chapel (Force Account)	Hand Thinning	12	0	0
Coconino	Flagstaff	Flagstaff Watershed Protection Project	FY23 FWPP - Weimer Springs	Hand Thinning	0	0	0
Coconino	Flagstaff	Wing Mountain	FY23 Snowbowl Rd Phase 2	Hand Thinning	0	0	0
Coconino	Flagstaff	4FRI 1st EIS	FY23 Woody '04 Phase 2	Mastication	0	0	1,234
Coconino	Flagstaff	4FRI 1st EIS	FY23 A1 South Phase 1	Mastication	0	0	796
Coconino	Mogollon Rim	Rim Country	FY23 Mogollon Fuel Break	Hand Thinning	0	0	0
Coconino	Mogollon Rim	Clints Well	FY23 Lodge Fuel Break	Hand Thinning	0	0	0
Coconino	Mogollon Rim	MRRD Oystershell Scale Mitigation Trials	FY23 OSS Mitigation Trials	Hand Thinning	0	0	0
Coconino	Mogollon Rim	CC Cragin	FY23 Cragin Mastication	Mastication	0	0	0
Coconino	Flagstaff	Jack Smith Schultz	FY24 89 Mesa Phase 1	Hand Thinning	75	0	0
Coconino	Mogollon Rim	CC Cragin	FY24 Cragin Thinning/Chipping	Hand Thinning	400	0	0
Coconino	Flagstaff	Woody Ridge	FY24 Woody '05 Phase 1	Mastication	1,000	0	0
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	FY24 FR556 (*Workforce)	Hand Thinning	114	0	0
Coconino	Flagstaff	Jack Smith Schultz/ Eastside	FY24 Weatherford	Mastication	300	0	0
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	FY24 Schultz Tank	Hand Thinning	72	0	0
Coconino	Flagstaff	Marshall	FY24 Marshall Observatory	Hand Thinning	50	0	0
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	FY24 Chimney Springs	Hand Thinning	300	0	0
Coconino	Flagstaff	Jack Smith Schultz	FY24 89 Mesa Phase 2	Hand Thinning	75	0	0

Forest	District	NEPA Document Title	Project Name	Treatment Type	FY24 Acres Hazardous Fuels Planned	FY24 Acres Hazardous Fuels Awarded	FY24 Acres Hazardous Fuels Implemented
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	FY24 A1 South Phase 2	Mastication	500	0	0
Coconino	Mogollon Rim	Rim Country EIS	FY24 Limestone Tank	Hand Thinning	100	0	0
Coconino	Mogollon Rim	Rim Country EIS	FY24 Merrit Springs	Hand Thinning	30	0	0
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	FY24 PODS TSI IDIQ	Mechanical Thinning	590	0	0
Coconino	Red Rock	Cedar Flats EA	FY24 Cedar Flats C	Hand Thinning	880	0	0
Coconino	Mogollon Rim	Clints Well	FY24 Natural Tanks TSI Phase 3	Hand Thinning	50	0	0
Coconino	Mogollon Rim	MRRD Oystershell Mitigation	FY24 OSS Mitigation Trials	Hand Thinning	21	0	0
Coconino	Flagstaff	Flagstaff Watershed Protection	FY24 Schultz Tank After Sale Phase 2	Mastication	241	0	0
-----	-----	-----	-----	<b>FY23 Coconino Totals:</b>	<b>4,810</b>	<b>0</b>	<b>2,030</b>
Kaibab	Williams	Southzone Grasslands	FY24 Little ASO DZR Thinning/ Piling	Mechanical Thinning	97	0	0
Kaibab	Tusayan	4FRI 1 <sup>st</sup> EIS	FY24 Boggy Tank	Hand Thinning	76	0	0
Kaibab	Williams	Southzone Grasslands	FY24 Rods FA DZR Thinning/ Piling	Mechanical Thinning	378	0	0
Kaibab	Williams	Bill Williams EIS	FY24 Steep Slope 4 (SS4)	Mechanical Thinning	341	0	0
Kaibab	Williams	Bill Williams EIS	FY24 Steep Slope IRSC	Mechanical Thinning	175	0	0
Kaibab	Williams	Bill Williams EIS	FY24 Twin Springs Fuelbreak Buffer Extension	Mechanical Thinning	311	0	0
Kaibab	Tusayan	4FRI 1 <sup>st</sup> EIS	FY24 TSI	Hand Thinning	2,000	0	0
Kaibab	Tusayan	4FRI 1 <sup>st</sup> EIS	FY24 Reed TSI Thinning	Hand Thinning	46	0	0
Kaibab	Tusayan	4FRI 1 <sup>st</sup> EIS	FY24 TenX FA Thinning	Hand Thinning	92	0	0
Kaibab	Tusayan	Southzone Grasslands	FY24 Grasslands Project	Mastication	5,000	0	0
-----	-----	-----	-----	<b>FY23 Kaibab Totals:</b>	<b>8,516</b>	<b>0</b>	<b>0</b>
Tonto	Payson	Rim Country EIS	FY22 Dude Fire Restoration	Mastication	0	0	1,324
Tonto	Payson		FY22 Keger Mastication	Mastication	0	0	127
Tonto	Payson		FY22 Pringle Mastication	Mastication	0	0	10

Forest	District	NEPA Document Title	Project Name	Treatment Type	FY24 Acres Hazardous Fuels Planned	FY24 Acres Hazardous Fuels Awarded	FY24 Acres Hazardous Fuels Implemented
Tonto	Payson	Lion WUI EA	FY23 Lion Mastication Maintenance	Mastication	0	0	0
Tonto	Payson	Myrtle EA	Myrtle	Mastication	0	0	0
Tonto	Pleasant Valley	Rim Country	FY23 Cherry Frio Mastication Maintenance	Mastication	0	0	0
Tonto	Pleasant Valley	Rim Country	FY23 Vosberg Mastication Maintenance	Mastication	0	0	0
Tonto	Pleasant Valley	Rim Country	FY23 Buzzard Roost Mastication Maintenance	Mastication	0	0	0
Tonto	Payson	Rim Country	FY23 Houston Mesa Mastication Maintenance	Mastication	0	0	0
Tonto	Payson	Rim Country	FY23 Dude Fire Phase II	Mastication	0	0	0
Tonto	Payson	Payson WUI EA	FY23 South Payson	Mastication	0	0	0
Tonto	Payson	Payson WUI EA	FY24 Greater Payson Phase 2	Mastication	4,309	0	0
Tonto	Payson	Payson WUI EA	FY23 Walnut Mastication Maintenance	Mastication	0	0	0
Tonto	Payson	Pine Straw WUI	FY24 Pine Fuel Breaks MT	Hand Thinning	3,954	0	0
Tonto	Payson	Rim Country	FY24 Dude Fire Restoration Phase 3	Mastication	2,200	0	0
-----	-----	-----	-----	<b>FY23 Tonto Totals:</b>	<b>10,463</b>	<b>0</b>	<b>1,461</b>
-----	-----	-----	-----	<b>FY23 4FRI Totals:</b>	<b>27,589</b>	<b>0</b>	<b>3,491</b>

\* Workforce refers to projects that will be completed with Forest Service crews, so there will be no contract awarded to a 3<sup>rd</sup> party.

**Table 9. List of planned prescribed burn projects and prescribed fire and managed wildfire implemented by forest in FY24.**

Forest	District	NEPA Document Title	Project Name	Treatment Type	Acres Rx Fire Planned	Acres Implemented
Apache-Sitgreaves	Black Mesa	Rim Lakes EA	Carr Lake/Alder	Broadcast Burning	2,145	2,145
Apache-Sitgreaves	Black Mesa	Rim Lakes EA	Fulton	Broadcast Burning	1,738	1,738
Apache-Sitgreaves	Lakeside	RCRX	260	Broadcast Burning	696	0
Apache-Sitgreaves	Lakeside	Timber Mesa/Vernon WUI	Dipping Vat	Broadcast Burning	1,209	1,209



Forest	District	NEPA Document Title	Project Name	Treatment Type	Acres Rx Fire Planned	Acres Implemented
Apache-Sitgreaves	Lakeside	Country Club	Country Club	Broadcast Burning	935	0
Apache-Sitgreaves	Lakeside	Show Low South	Show Low West	Broadcast Burning	2,403	0
Apache-Sitgreaves	Lakeside	Timber Mesa/ Vernon WUI	Mud Springs	Broadcast Burning	1,829	1,829
Apache-Sitgreaves	Alpine	Nutrioso WUI	Nutrioso Unit 2 Hand Unit	Broadcast Burning	1,159	1,159
Apache-Sitgreaves	Alpine	Wallow West	Wallow West Unit 4 East	Broadcast Burning	5,746	0
Apache-Sitgreaves	Black Mesa	RCRX	Pierce	Broadcast Burning	3,022	3,022
Apache-Sitgreaves	Springerville	Wallow West	Wallow West Unit 3A	Broadcast Burning	4,782	4,782
Apache-Sitgreaves	Springerville	Wallow West	Wallow West Unit 6A Phase 2	Broadcast Burning	3,194	0
Apache-Sitgreaves	Alpine	West Escudilla	Little	Broadcast Burning	2,444	940
Apache-Sitgreaves	Black Mesa		Labor Fire	Managed Wildfire	0	4,038
Apache-Sitgreaves	Alpine		KP Fire	Managed Wildfire	0	25
Apache-Sitgreaves	Alpine		Corduroy Fire	Managed Wildfire	0	1,027
Apache-Sitgreaves	Alpine		Wallow 2 Fire	Managed Wildfire	0	401
-----	-----	-----	-----	<b>FY24 A-S Totals:</b>	<b>35,000</b>	<b>22,315</b>
Coconino	Mogollon Rim	CC Cragin	CC Cragin	Pile Burning	528	0
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	Bar-M, Mint West, 1	Broadcast Burning	963	0
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	Bar-M, Mint West, 2	Broadcast Burning	965	0
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	Bar-M, Mint West, 3	Broadcast Burning	1,315	0
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	Bar-M, Mint West, 4	Broadcast Burning	754	0
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	Bar-M, Mint West, 8	Broadcast Burning	651	0
Coconino	Flagstaff	Mormon Lake Basin	Bar-M, Molake Basin	Broadcast Burning	5,111	0
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	FUI, 89A,24	Broadcast Burning	314	0
Coconino	Flagstaff	Woody Ridge	FUI, Arboretum, 1	Broadcast Burning	637	0
Coconino	Flagstaff	Woody Ridge	FUI, Arboretum, 1	Broadcast Burning	613	0
Coconino	Flagstaff	Woody Ridge	FUI, Arboretum, 1	Broadcast Burning	480	0
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	FUI Camp Colton	Broadcast Burning	1,180	0
Coconino	Flagstaff	Eastside	FUI, Campbell Mesa, 6	Broadcast Burning	533	0
Coconino	Flagstaff	Marshall	FUI, Cherry, 2	Broadcast Burning	235	0
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	FUI, Chimney Springs	Broadcast Burning	5,517	0

Forest	District	NEPA Document Title	Project Name	Treatment Type	Acres Rx Fire Planned	Acres Implemented
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	FUI, Elden Base, 1	Broadcast Burning	241	0
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	FUI, Elden Base, 2	Broadcast Burning	179	0
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	FUI, Elden Base, 3	Broadcast Burning	107	0
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	FUI, Elden Base, 4	Broadcast Burning	282	0
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	FUI, Elden Base, 5	Broadcast Burning	400	0
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	FUI, Elden Base, 6	Broadcast Burning	234	0
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	FUI, Elden Base, 7	Broadcast Burning	294	0
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	FUI, Elden Base, 8	Broadcast Burning	250	0
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	FUI, Elden Base, 11	Broadcast Burning	97	0
Coconino	Flagstaff	Mountaineire	FUI Mountainair	Broadcast Burning	3,019	0
Coconino	Flagstaff	Woody Ridge	FUI, Woody Bobs	Broadcast Burning	2,525	0
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	Horseshoe, Peaks, 10	Broadcast Burning	487	0
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	Horseshoe, Peaks, 8	Broadcast Burning	335	0
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	Horseshoe, Peaks, 9	Broadcast Burning	296	0
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	Horseshoe, Slate, 2	Broadcast Burning	1,016	0
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	Horseshoe, Wild Bill, Block 4	Broadcast Burning	768	768
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	Horseshoe, Wild Bill, Block 3	Broadcast Burning	1,911	1,555
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	Horseshoe, Wild Bill, Block 2	Broadcast Burning	1,496	1,303
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	Horseshoe, Wild Bill Block 1	Broadcast Burning	1,372	1,911
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	Newman, Pinegrove Campground	Broadcast Burning	1,132	1,132
Coconino	Flagstaff		3 Echo	Broadcast Burning	1,008	1,008
Coconino	Flagstaff	4FRI 1 <sup>st</sup> EIS	Newman, Upper Lake Mary Lake, 4	Broadcast Burning	109	0
Coconino	Flagstaff	Eastside	Timberline, Weatherford, 1	Broadcast Burning	618	0
Coconino	Flagstaff	Eastside	Timberline, Weatherford, 2	Broadcast Burning	584	0
Coconino	Flagstaff	Eastside	Timberline, Weatherford, 3	Broadcast Burning	396	0
Coconino	Flagstaff	Eastside	Timberline, Weatherford, 4	Broadcast Burning	714	0
Coconino	Flagstaff	Eastside	Timberline, Weatherford, 5	Broadcast Burning	793	0
Coconino	Flagstaff		Experimental Forest	Broadcast Burning	3	3
Coconino	Flagstaff		Horse Park	Pile Burning	2,007	2,007
Coconino	Flagstaff		FR 556 Hand Thinning	Pile Burning	0	83
Coconino	Flagstaff		Dairy Springs	Pile Burning	0	37
Coconino	Flagstaff		Willard	Pile Burning	0	1,322
Coconino	Flagstaff		Baker Butte Pile Rx	Pile Burning	0	367

Forest	District	NEPA Document Title	Project Name	Treatment Type	Acres Rx Fire Planned	Acres Implemented
Coconino	Flagstaff		Starlight Piles	Pile Burning	0	25
Coconino	Flagstaff		Natural Tanks Piles	Pile Burning	0	27
Coconino	Flagstaff		FWPP Piles	Pile Burning	0	72
Coconino	Flagstaff		Private Reserve Piles	Pile Burning	0	70
Coconino	Mogollon Rim	Rim Country	Blue Ridge Urban Interface	Broadcast Burning	1,373	0
Coconino	Mogollon Rim	Rim Country	Blue Ridge Urban Interface	Broadcast Burning	2,939	0
Coconino	Mogollon Rim	Clints Well	Clints	Broadcast Burning	3,334	0
Coconino	Mogollon Rim	Rim Country	Tule	Broadcast Burning	2,192	0
Coconino	Mogollon Rim		Upper Beaver Creek, Telescope	Broadcast Burning	650	650
Coconino	Mogollon Rim		Upper Beaver Creek, Jacks	Broadcast Burning	1,161	1,161
Coconino	Mogollon Rim		Upper Beaver Creek, Holey Block Unit	Broadcast Burning	250	250
Coconino	Mogollon Rim		Upper Beaver Creek, Hard Luck Unit	Broadcast Burning	1,300	1,300
Coconino	Mogollon Rim		Upper Beaver Creek, Bill Black Unit	Broadcast Burning	929	929
Coconino	Mogollon Rim		Still Fire	Managed Wildfire	0	11,225
Coconino	Red Rock	Cedar Flats EA	Cedar Flats E	Broadcast Burning	1,860	0
Coconino	Red Rock	Upper Beaver Creek	Upper Beaver Creek RR 1, 2	Broadcast Burning	545	545
Coconino	Red Rock	Upper Beaver Creek	Upper Beaver Creek, RR 5	Broadcast Burning	216	216
Coconino	Red Rock	Upper Beaver Creek	Upper Beaver Creek RR 19	Broadcast Burning	116	116
Coconino	Red Rock	Oak Creek EA	Pine Flats A	Broadcast Burning	9	0
-----	-----	-----	-----	<b>FY23 Coconino Totals:</b>	<b>20,000</b>	<b>28,082</b>
Kaibab	Williams	4FRI 1 <sup>st</sup> EIS	Springs North	Broadcast Burning	174	174
Kaibab	Williams	4FRI 1 <sup>st</sup> EIS	Beale	Broadcast Burning	2,343	2,343
Kaibab	Williams	4FRI 1 <sup>st</sup> EIS	Government	Broadcast Burning	1,118	1,118
Kaibab	Williams	4FRI 1 <sup>st</sup> EIS	Rocky Ridge	Broadcast Burning	3,600	3,600
Kaibab	Williams	4FRI 1 <sup>st</sup> EIS	Mountain	Broadcast Burning	3,130	3,130
Kaibab	Williams	4FRI 1 <sup>st</sup> EIS	Mach	Broadcast Burning	121	0
Kaibab	Williams	4FRI 1 <sup>st</sup> EIS	Croenen	Broadcast Burning	197	0
Kaibab	Williams	4FRI 1 <sup>st</sup> EIS	Corner	Broadcast Burning	271	0
Kaibab	Williams	4FRI 1 <sup>st</sup> EIS	Perreault	Broadcast Burning	231	0
Kaibab	Williams	4FRI 1 <sup>st</sup> EIS	Silver	Broadcast Burning	189	0

Forest	District	NEPA Document Title	Project Name	Treatment Type	Acres Rx Fire Planned	Acres Implemented
Kaibab	Williams	4FRI 1 <sup>st</sup> EIS	Pumpkin	Broadcast Burning	198	0
Kaibab	Williams	4FRI 1 <sup>st</sup> EIS	Gwynn	Broadcast Burning	333	0
Kaibab	Tusayan	Southzone Grasslands	Whale	Broadcast Burning	1,467	1,467
Kaibab	Tusayan	Southzone Grasslands	Peterson	Broadcast Burning	1,849	2,110
Kaibab	Tusayan	Southzone Grasslands	Skousen II	Broadcast Burning	2,309	2,309
Kaibab	Tusayan	Southzone Grasslands	Young	Broadcast Burning	533	533
Kaibab	Williams	4FRI 1 <sup>st</sup> EIS	Mortiz 1	Broadcast Burning	1,486	0
Kaibab	Williams	4FRI 1 <sup>st</sup> EIS	Mortiz 2	Broadcast Burning	2,351	0
Kaibab	Williams	Bill Williams EIS	Pup	Pile Burning	447	0
Kaibab	Williams	Southzone Grasslands	Little ASO	Pile Burning	45	45
Kaibab	Williams	Southzone Grasslands	Irishman	Pile Burning	16	16
Kaibab	Tusayan	4FRI 1 <sup>st</sup> EIS	Ten-X	Pile Burning	511	511
Kaibab	Williams	Frenchy	Isham Springs	Pile Burning	75	0
Kaibab	Williams	McCracken	Cougar Park	Pile Burning	473	473
Kaibab	Williams	4FRI 1 <sup>st</sup> EIS	Saddle	Pile Burning	267	0
Kaibab	Williams	4FRI 1 <sup>st</sup> EIS	Parks West	Pile Burning	1,138	1,138
Kaibab	Williams	4FRI 1 <sup>st</sup> EIS	Scar	Broadcast Burning	2,896	0
Kaibab	Williams	4FRI 1 <sup>st</sup> EIS	Oak	Broadcast Burning	883	0
Kaibab	Williams	4FRI 1 <sup>st</sup> EIS	Kaibab	Broadcast Burning	956	0
Kaibab	Williams	4FRI 1 <sup>st</sup> EIS	Cataract	Broadcast Burning	566	0
Kaibab	Williams	4FRI 1 <sup>st</sup> EIS	Dogtown	Broadcast Burning	478	0
Kaibab	Williams	4FRI 1 <sup>st</sup> EIS	Polyline	Broadcast Burning	342	0
Kaibab	Williams	4FRI 1 <sup>st</sup> EIS	Eagle's Nest	Broadcast Burning	84	0
Kaibab	Tusayan	4FRI 1 <sup>st</sup> EIS	Skinner Ridge South	Broadcast Burning	1,782	0
Kaibab	Williams	City	Clover	Pile Burning	1,073	514
Kaibab	Williams	Bill Williams EIS	Clover	Pile Burning	206	206
Kaibab	Williams	Bill Williams EIS	Black Mesa Tank	Pile Burning	269	269
Kaibab	Williams	4FRI 1 <sup>st</sup> EIS	Boxcar	Pile Burning	950	0
Kaibab	Williams	Frenchy	McDougal	Pile Burning	11	0
Kaibab	Tusayan	4FRI 1 <sup>st</sup> EIS	Reed	Pile Burning	263	0
-----	-----	-----	-----	<b>FY23 Kaibab Totals:</b>	<b>20,000</b>	<b>19,956</b>
Tonto	Payson	Christopher Hunter	Christopher Mountain BB	Broadcast Burning	5,537	0
Tonto	Payson	Myrtle WUI EA	Diamond Rim RX Phase 1	Broadcast Burning	1,954	0
Tonto	Payson	Payson WUI EA	Shooting Ranger RX	Broadcast Burning	1,210	0

Forest	District	NEPA Document Title	Project Name	Treatment Type	Acres Rx Fire Planned	Acres Implemented
Tonto	Pleasant Valley	Spring CE	West Prong RX	Broadcast Burning	2,300	0
Tonto	Pleasant Valley	Spring CE	PV Airstrip	Broadcast Burning	276	0
Tonto	Pleasant Valley	Spring CE	Grave Tank RX	Broadcast Burning	375	0
Tonto	Pleasant Valley	Spring CE	Roscoe RX	Broadcast Burning	993	0
Tonto	Pleasant Valley	Rim Country	Valentine WF	Broadcast Burning	9,644	9,644
Tonto	Payson	Rim Country	Hardscrabble RX	Broadcast Burning	2,449	2,449
Tonto	Payson	Rim Country	Christopher Creek C.G. Piles	Pile Burn	188	188
Tonto	Payson	Rim Country	Bonita Creek Piles	Pile Burn	24	24
-----	-----	-----	-----	<b>FY23 Tonto Totals:</b>	<b>14,000</b>	<b>12,305</b>
-----	-----	-----	-----	<b>FY23 4FRI Totals:</b>	<b>100,000</b>	<b>82,658</b>



## Wildfire with Beneficial Effects

Depending on fuels, weather, and other factors, wildfires burn at different levels of severity. In the 4FRI landscape, fires that burn at a lower severity, and in certain geographic areas, can be managed like prescribed burns. The intention of managing these wildfires is to reduce forest fuels and reintroduce natural processes to forest ecosystems. Since the inception of 4FRI, many of these managed wildfires have occurred. Table 9 provides a list of wildfires that have been managed for resource benefits within the 4FRI landscape from 2010 to 2023. This table is updated annually.

**Table 10. Total acres of managed wildfire by Forest from 2010 - 2023 within the 4FRI landscape.**

Forest	Date
Apache-Sitgreaves	172,883
Coconino	276,421
Kaibab	131,774
Tonto	63,940
<b>Total:</b>	<b>645,018</b>

## Roadwork Planned Under 4FRI Restoration Strategy

The 4FRI Restoration Strategy includes a key decision that requires the Forest Service to focus on resolving enabling conditions needed for industry success. These enabling conditions cover a variety of issues, one of which is maintaining roads and bridges used as haul routes to alleviate contractor costs associated with pre-haul maintenance. To address this condition, the Forest Service is improving and maintaining existing roads and bridges used over primary haul routes. Table 10 provides a list of approved road and bridge projects for FY22 and FY23.

**Table 11. Planned roadwork associated with the 4FRI Restoration Strategy. This table will be updated as plans solidify for the FY24 program of work.**

Fiscal Year	Forest	Road/Pit	Length (miles)	Method	Contractor	Status
FY22	A-S	NFSR 24 Resurfacing	16.8	Contract	Geisler Skidding (~13.2 miles), Perkins Cinders (~3.6 miles)	Complete
FY22	A-S	NFSR 169 Resurfacing	7	Contract	Martinez Construction Services	Complete
FY22	A-S	NFSR 249 Resurfacing	16.5	Contract	Surface Contracting, Inc.	Complete
FY22	A-S	NFSR 100 Resurfacing	5	Contract	Martinez Construction Services	Complete
FY22	A-S	NFSR 26 Resurfacing	9	Contract	Perkins Cinders	Complete
FY22	Coconino	Crush/ Stockpile Cinch Hook Pit	N/A	Contract	Schuck Development	Complete
FY22	Coconino	Crush and Stockpile Coyote Pit	N/A	Contract	PG&E	Ongoing
FY22	Coconino	NFSR 300/139 Resurfacing	8.49	Contract	AGE General Engineering Co.	Complete
FY22	Coconino	NFSR 141 Resurfacing	7.98	Contract	AGE General Engineering Co.	Complete
FY22	Coconino	NFSR 700/91 Resurfacing	9.2	Contract	Pima Paving	Complete

Fiscal Year	Forest	Road/Pit	Length (miles)	Method	Contractor	Status
FY22	Kaibab	Crush and Stockpile Ruin Pit	N/A	Contract	PG&E	Complete
FY22	Kaibab	NFSR 105 Resurfacing	8.22	Contract	PG&E	Complete
FY22	Kaibab	NRSR 354 Resurfacing	7.07	Contract	AGE General Engineering Co.	Awarded
FY22	Tonto	NFSR 64 Paving	TBD	G&A Gila County	Agreement Executed. Design contract awarded to Woodson Engineering.	Design/Engineering in progress. Solicitation for construction planned early 2024.
FY23	A-S	NFSR 300 Repaving	Approx. 9.31	Contract	Warm Springs Construction Enterprise	Contract awarded 9/25/2023. Work to begin in spring 2024.
FY23	A-S	Buffalo Crossing Bridge	N/A	Contract	Monitor Construction Company, Inc.	FHA administering contract. Contractor is planning for winter shutdown 11/22/2023.
FY23	Coconino	Crush and Stockpile Curly Pit	N/A	Contract	Kramme Construction, llc	Awarded
FY23	Coconino	Crush and Stockpile Snafu Pit	N/A	Contract	DH Ortega	Awarded
FY23	Coconino	NFSR 151 Resurfacing	6.6	Contract	AGE General Engineering Co.	Awarded
FY23	Coconino	NFSR 147, 613, 612 Resurfacing	7.5	Contract	PG&E	Awarded
FY23	Tonto	Camp Geronimo and Webber Creek Bridge	CG – 18' WC – 85'	Contract	Not Awarded	Awaiting Approval of Funding
FY24	A-S	Surface Stabilization				
FY24	A-S	FY24 Paving 300 Rd/ 89 Rd to A-S Boundary		Contract		
FY24	Coconino	Resurfacing FSR 141/141H	6.5	Contract	Not yet awarded	Contract Prep
FY24	Coconino	Resurfacing NFSR 218	8.0	Contract	Not yet awarded	Contract Prep
FY24	Coconino	Crush and Stockpile Lockwood Pit	N/A	Contract	Not yet awarded	Contract Prep
FY24	Coconino	Resurfacing NFSR 300 (east from 139)	5.2	Contract	Not yet awarded	Contract Prep
FY24	Coconino	Resurfacing NFSR 151/418	5.0	Contract	Not yet awarded	Contract Prep

Fiscal Year	Forest	Road/Pit	Length (miles)	Method	Contractor	Status
FY24	Coconino	Resurfacing 700/700H	6.0	Contract	Not yet awarded	Contract Prep
FY24	Kaibab	Resurfacing	TBD	Contract	Not yet awarded	Contract Prep
FY24	Kaibab	Crush and Stockpile	N/A	Contract	Not yet awarded	Contract Prep

## Watershed Restoration

Within 4FRI many opportunities exist to improve watershed condition, contribute to species recovery, and increase landscape resiliency by implementing watershed restoration projects in springs, meadows, stream channels, and riparian areas. These projects improve hydrologic function to retain water on landscapes longer, which enhances wet meadows, springs, and riparian vegetation. This work is focused in, (but not limited to) Priority Watersheds, designated by each forest under the National Watershed Condition Framework. Table 12 provides Aquatics and Watershed restoration projects for the next two fiscal years.

**Table 12. Aquatic and Watershed restoration projects for fiscal years 2024 and 2025.**

Year Award	Forest	NEPA	Project Name	Units	Activity Type	Status	Partners
2024	A-S	Black River EA	Thompson Ranch Stream Restoration	1 Plan	Stream Restoration Water SMART Design Plan	In Progress	TU, CK BluShift USFWS, BOR
2024	A-S	West Escudilla EA	Beaver Dam Analog & Post Log Jams - Jackson Creek	2 Acres	Watershed Health, Stream/Wetland Restoration		
2024	A-S	West Escudilla EA	Riparian Planting Program - Little Creek	2 Acres	Watershed Health, Riparian Planting		
2024	A-S	West Escudilla EA	Escudilla Route Decommission Project	10 miles	Unauthorized Route Decommissioning	Contract Prep	None
2024	Coc	Rim Country	Allen Lake Restoration	30 Acres	Geomorphic regrading of lake surface and possible chemical application to bottom of trenches	Design in progress	NFF, AZGF, GCT, AZ Elk Society, BCI, FONAF
2024	Coc	4FRI 1st EIS	Scott Spring Restoration	5 Acres	Exclosure fencing and infrastructure removal	Planning	NFF, AZGF, GCT, AZ Elk Society, FONAF
2024	Coc	4FRI 1st EIS	Ritter Spring Restoration	5 Acres	Exclosure fencing and infrastructure removal	Planning	NFF, AZGF, GCT, AZ Elk Society, FONAF
2024	Coc	4FRI 1st EIS	Weimer Spring Restoration	15 Acres	Exclosure fencing and infrastructure removal	Planning	NFF, AZGF, GCT, AZ Elk Society, FONAF

Year Award	Forest	NEPA	Project Name	Units	Activity Type	Status	Partners
2024	Coc	4FRI 1st EIS	Mint Spring Restoration	15 Acres	Exclosure, stabilization, and thinning	Planning	NFF, AZGF, GCT, AZ Elk Society, FONAF
2024	Coc	4FRI 1st EIS	Hoxworth Restoration	15 Acres	Meadow stabilization	Planning	GCT
2024	Coc	Rim Country EIS	CC Cragin Watershed Restoration and Source Water Protection Plan Development	n/a	WRAP development	Planning	NFF, AZGF, GCT, AZ Elk Society, FONAF, SRP? City of Payson
2024	Coc	Rim Country EIS	Buck Springs Restoration	15 Acres	Meadow stabilization	Planning	NFF, AZGF, GCT, AZ Elk Society, FONAF
2024	Coc	Rim Country EIS	Kehl Springs Meadow Restoration Design	40 Acres	Remove or fix infrastructure, fencing, erosion control structures	Design	NFF, AZGF, GCT, AZ Elk Society, FONAF
2024	Coc	Rim Country EIS	Houston Draw Restoration	25 Acres	Continue construction of erosion control structures and riparian planting	Implementation	AZ Elk Society primary, NFF, AZGF, FONAF
2024	Coc	4FRI EIS	Lake Mary Priority Watershed Restoration Action Plan Development and Project Design	n/a	Planning to prioritize projects for Watershed Restoration Action Plan Development	Watershed analysis	NFF, AZGF, GCT, AZ Elk Society
2024	Kaibab	Kane Allotment EA	NKRD Natural Waters Protection Franks Lake	10 Acres	Wetland protection	Planning Project	Conservation Legacy, Spring Stewardship Institute
2024	Kaibab	Kane Allotment EA	NKRD Springs Restoration Stina Spring	1 Acres	Spring Protection	Planning Project	Conservation Legacy, Spring Stewardship Institute
2024	Kaibab	4FRI 1st EIS	South Zone Springs Restoration Big Spring	1 Acres	Spring protection	Implementation and Monitoring	AZ Elk Society, Spring Stewardship Institute, AZGF



Year Award	Forest	NEPA	Project Name	Units	Activity Type	Status	Partners
2024	Kaibab	Kane Allotment EA	NKRD Springs Restoration Oak Spring	1 Acres	Spring Restoration	Planning Project	Conservation Legacy, Spring Stewardship Institute
2024	Tonto	Rim Country	Little Green Valley Wet Meadow Restoration	15 Acres	Riparian Restoration	Agreement Review	Northern AZ Forest Fund, NFF, Private Landowner
2024	Tonto	Rim Country	East Verde River Headwaters and Green Valley Creek	~30 miles	Road Decommissioning	Implementation 2024	NFF
2024	Tonto	Rim Country	Chase Creek Restoration Phase 1 (Him	2 Miles	Riparian Restoration - Himalayan Blackberry Removal	Implementation 2024	NFF, AZGF
2024	Tonto	Rim Country EIS	Dude Creek Restoration Phase II	0.5 miles	Stream Restoration (headcut)	Design	AZGF, TU
2024	Tonto	Rim Country EIS	East Verde River Restoration Phase II	0.5 miles	Stream Restoration	Planned	AZGF, TU
2025	A-S	Rim Country EIS	Blue River Stream Gauge O & M	1 Program	Stream gauge operation		USGS
2025	A-S	West Escudilla EA	Beaver Dam Analog & Post Assisted Log Jams	2 Acres	Stream/ Wetland Restoration		
2025	A-S	West Escudilla EA	Riparian Planting Program	2 Acres	Riparian Planting		
2025	A-S	Black River	Thompson Ranch Stream Restoration	2.6 miles	Stream restoration	In progress.	TU, CK BlueShift, USFWS, BOR.
2025	A-S	Black River	Thompson Ranch Ungulate Exclosure	130 acres	Riparian Exclosure	Need clearance. Partners seeking funding.	TU, CK BlueShift, USFWS, BOR

Year Award	Forest	NEPA	Project Name	Units	Activity Type	Status	Partners
2025	A-S	Black River	Stinky Creek Fish Barrier Removal	1 barrier	Fish Barrier Removal	Need Heritage clearance.	AZGF, USFWS
2025	Coc	4FRI 1st EIS	FS 296 Meadow Restoration	100 Acres	Awaiting Lk Mary Watershed Analysis	Planning	
2025	Coc	4FRI 1st EIS	Skunk Canyon	300 Acres		In-Progress	
2025	Coc	4FRI 1st EIS	Marshall Mesa Meadow Restoration	300 Acres			
2025	Coc	Yes	Skunk Canyon Restoration	3 Miles	Road Rehabilitation, Erosion Control, Thinning		
2025	Coc	Yes	Babbitt Springs Area Restoration	15 Acres	Erosion Control, Regrading, Seeding, Meadow Thinning		
2025	Coc	Rim Country EIS	Houston Draw	3 Miles	Erosion Control, Regrading, Seeding, Meadow Thinning	Need Agreement.	
2025	Coc	Rim Country EIS	Barbershop Spring Restoration	30 Acres	Erosion Control, Regrading, Seeding, Meadow Thinning	Need Agreement.	
2025	Coc	Rim Country EIS	Limestone Cabin Spring Restoration	200 Acres	Erosion Control, Thinning, Road Decommission	Need Force Account	
2025	Coc	Rim Country EIS	Big Moqui Spring Restoration	100 Acres	Erosion Control, Thinning	Need Agreement.	
2025	Coc	Rim Country EIS	Kinder Spring Restoration	100 Acres	Exclosure work, erosion control	In-Progress	Force Account
2025	Coc	Rim Country EIS	Kinder Draw	2 Miles	Erosion Control, Regrading, Seeding, Meadow Thinning	Need Agreement.	

Year Award	Forest	NEPA	Project Name	Units	Activity Type	Status	Partners
2025	Coc	Rim Country EIS	Barbershop Canyon	4 Miles	Erosion Control, Regrading, Seeding, Meadow Thinning	Need Agreement	
2025	Coc	Rim Country EIS	General Springs	30 Acres	Erosion Control, Regrading, Seeding, Meadow Thinning	Need Agreement	
2025	Coc	Rim Country EIS	East Bear Canyon	2 Miles	Erosion Control, Regrading, Seeding, Meadow Thinning	Need Agreement	
2025	Coc	Rim Country EIS	Bill McClintock Draw	2 Miles	Erosion Control, Regrading, Seeding, Meadow Thinning	Need Agreement	
2025	Coc	Rim Country EIS	Kehl Springs Meadow Restoration Implementation	40 Acres	Remove or fix infrastructure, fencing, erosion control structures	Design	NFF, AZGF, GCT, AZ Elk Society, FONAF
2025	Kaibab	4FRI 1st EIS	South Zone Springs Restoration Lockett Spring	1 Acres	Spring protection	Planning Project	Spring Stewardship Institute, Requesting Additional Partners
2025	Kaibab	4FRI 1st EIS	South Zone Springs Restoration Campbell Spring	1 Acres	Spring protection	Planning Project	Spring Stewardship Institute, Requesting Additional Partners
2025	Kaibab	4FRI 1st EIS	South Zone Springs Restoration Campbell Spring	1 Acres	Spring protection	Planning Project	Spring Stewardship Institute, Requesting Additional Partners
2025	Tonto	Rim Country	Chase Creek Restoration Phase 2 (Habitat enhancement/riparian restoration)	2 Miles	Riparian Restoration	In-Progress Agreement	NFF, AZGF

Year Award	Forest	NEPA	Project Name	Units	Activity Type	Status	Partners
2025	Tonto	Rim Country EIS	Parallel Canyon-Cherry Creek Watershed Spring Restoration	3 acres	Spring Restoration	In Progress/ Designs complete	AZGF
2025	Tonto	Rim Country	Pieper Hatchery Springs Restoration	1 acre	Spring Restoration	Under design	AZGF

\*Acronyms: AZGF- Arizona Game and Fish, BCI – Bird Conservancy Institute, BOR – Bureau of Reclamation, FONAF – Friends of Northern Arizona Forest, GCT – Grand Canyon Trust, NFF – National Forest Foundation, TU – Trout Unlimited, USFWS – US Fish and Wildlife Service, USGS – US Geologic Services

## Out-year Planning

The 4FRI program manages a 5-year plan for commercial thinning, non-commercial hazardous fuel reduction, and prescribed burning projects across the four forests. The 5-Year Plan allows program managers to schedule required surveys and compliance work before implementation. In addition, the 5-Year Plan helps prioritize areas for treatments and ensures consistent accomplishments. However, due to a host of factors, 5-Year Plans are subject to change and typically do change regularly. Entities outside the Forest Service should not rely on the 5-Year Plan when making a decision that affects their business or organization. In sharing the 5-Year Plan, the Forest Service makes no commitment, expressed or implied, to executing any portion of these plans in part or in whole. For details about specific projects, SHG members are encouraged to contact timber and fuels program managers on individual forests.

Below is a summary of the acres currently planned over the next four years (2024-2027). Year 1 (2023) is already described in previous sections so not included here. This table includes all acres planned for high-priority partner projects and Forests' regular programs of work (POWs). Detailed information about individual projects is provided in Appendix B.

**Table 13. Summary of acres planned for commercial thinning over the next 4 years (2024-2027)**

Forest	FY2025	FY2026	FY2027	FY2028
Apache - Sitgreaves	13,053	13,210	12,988	17,516
Coconino	17,804	19,488	16,322	12,250
Kaibab	8,614	6,464	5,614	5,400
Tonto	1,650	736	2,800	1,000
<b>4FRI Total:</b>	<b>41,121</b>	<b>40,243</b>	<b>37,724</b>	<b>36,116</b>

## NEPA Projects in Progress Across 4FRI

**Table 142. NEPA Projects in Progress Across 4FRI**

Forest (s)	Project Name	Purpose	Current NEPA Status	Expected Decision Date	Expected Implementation
A-S, Coconino, Tonto	Four Forest Restoration Initiative Rim Country Environmental Impact Statement EIS	Forest Restoration	ROD Signed September 19, 2022	ROD Signed September 19, 2022	Post-decision
A-S	Round Valley Firescape	Forest Restoration	Developing project	2024	2025

Forest (s)	Project Name	Purpose	Current NEPA Status	Expected Decision Date	Expected Implementation
A-S	Heber Allotment Analysis	Grazing and Grassland Restoration (woodland treatments)	Analysis Completed	11/09/2020	Post-decision
A-S	Apache-Sitgreaves National Forest TMR	Road Management and Recreation Management	Under Analysis	est. FY24	Post-decision
A-S	Black River Restoration	Forest Restoration	Analysis Completed	8/25/2023	2024
A-S	Okty Flat Insect and Disease Treatment CE	Fuels Reduction/Insect & Disease	Analysis Completed	2/14/2020	2021
A-S	Nutriosio WUI - Section 18/SIR	Fuels Management	Analysis Completed	8/16/2022	2023
A-S	Pierce Wash Allotment-Section 18 Analysis of Vegetation Treatments	Grassland Restoration	Review of effects analysis and previous NEPA	TBD	Post-Decision
Coconino	Mogollon Rim Oystershell Scale Mitigation Trial	Aspen Restoration	Currently undergoing analysis	2024	2024
Coconino	Forest Grassland Restoration Project	Grassland Restoration	Developing project, identifying staffing needs, identifying existing vs desired conditions	2025	2025
Coconino	Leroux Fuels Management Project	Wildfire Risk Reduction	Developing project, scoping expected in November 2023	2024	2024

## APPENDIX A - Completed Commercial Thinning Contracts

This table report commercial thinning contracts that have been completed since the first of these monthly updates was published in August of 2014. The table does not display what has been completed since the start of the Initiative in 2010. Cut complete and closed are sales that have had all the work completed on the ground, as well as a final contract review. Cut complete are sales that have been cut out and have not had the final acceptance on some portion of the contract. Sales that have defaulted are also included in the table. Partially cut Task Orders that were part of the Phase 1 Contract have not been included in the table at this time.

**Table 15. Completed Commercial Thinning Contracts and Acres since August 2014.**

Awarded Sale Name	Forest	Acres	Status	Awarded To
Nutri 1B Blowdown Salvage	A-S	30	Cut completed & closed	Reidhead Bros Lumber mill
Mineral C Whiting	A-S	1,244	Cut completed & closed	Novo Power
Mineral C Thompson	A-S	4,450	Cut completed & closed	Novo Power
San Juan Road hazards salvage	A-S	291	Cut completed & closed	Reidhead Bros Lumber mill
Chitty Blowdown Salvage	A-S	183	Cut completed & closed	Reidhead Bros Lumber mill
Wallow West Unit 27	A-S	431	Cut completed & closed	Forest Energy Corp.
Show Low South	A-S	3,454	Cut completed & closed	Tri Star Logging
Woolhouse (phase 1)	A-S	2,500	Cut complete & closed	Tri Star Logging
Sinkhole	A-S	825	Cut complete & closed	Tri Star Logging
Dipping Vat	A-S	1,691	Cut completed & closed	WW Cattleguards
Mud Springs	A-S	1,018	Cut completed & closed	Tri Star Logging
Burro Stewardship Agreement	A-S	845	Cut completed & closed	Navajo Co –Eastern Arizona Co— awarded to Forest Energy
Phoenix Park Re-Offer	A-S	1,517	Cut complete & closed	Novo Power
Crook	A-S	1,997	Cut completed & closed	Tri Star Logging
Zrama	A-S	1,346	Cut completed & closed	Tri Star Logging
Bear	A-S	1,548	Cut completed & closed	Tri Star Logging
First Knoll A	A-S	1,420	Cut completed & closed	Tri Star Logging
Hulsey Bench	A-S	748	Cut completed & closed	Reidhead Brothers
Rim Top	A-S	1,191	Cut complete & closed	Tri Star Logging
WE-Little TS	A-S	1,392	Cut Complete & closed	Timber Tramp Logging
Carr Lake	A-S	1,605	Cut complete & closed	Tri Star Logging
Longhollow	A-S	623	Cut complete & closed	Tri Star Logging



Awarded Sale Name	Forest	Acres	Status	Awarded To
Jack Rabbitt	A-S	461	Cut complete & closed	Tri Star Logging
Point	A-S	2,811	Cut completed & closed	Tri Star Logging
Benny Stewardship	A-S	245	Cut completed & closed	Vaagan Brothers
Timber Knoll	A-S	150	Cut complete & closed	WW Cattleguards
Park Day – Scott	A-S	422	Cut complete & closed	Novo Biopower
WE – Tenny Pond	A-S	679	Cut completed & closed	Simpson Logging
Dry	A-S	266	Cut Complete & closed	Tri Star Logging
Fulton	A-S	1,818	Cut Complete & closed	Forest Energy
Pace Creek (West Escudilla)	A-S	2,074	Cut Complete & closed	Timber Tramp Logging
URA – Mortimer	A-S	2,137	Cut Complete & closed	Tri Star Logging
URA – Turkey	A-S	2,060	Cut Complete & closed	Simpson Contract Cutting
URA – Cabin	A-S	1,191	Cut Complete & closed	Gibson and Son Road Building
URA 1 – Telephone	A-S	1,526	Cut Complete	Tri Star Logging
Apprentice	A-S	2,010	Cut Complete & closed	Tri Star Logging
URA – Flemming	A-S	1,549	Cut Complete & closed	Canyon Creek Logging Inc.
WE - Loco	A-S	1,847	Cut Complete & closed	Timber Tramp Logging
Mesa	A-S	2,551	Cut Complete & closed	Tri Star Logging
Los Burros Two	A-S	966	Cut Complete & closed	Simpson Logging
SW Bagnal PJ	A-S	634	Cut Complete & closed	Gibson and Son Road Building
Phase 1 – Ranch	A-S	932	Cut Complete & Closed	New Life Forest Products
Phase 1 – West Fork	A-S	1,482	Cut Complete & Closed	New Life Forest Products
Hidden	A-S	2,605	Cut Complete	Tri Star Logging
Larson – St. Joe	A-S	2,190	Cut Complete & Closed	Canyon Creek Logging Inc.
Park PJ	A-S	686	Cut Complete & Closed	Canyon Creek Logging Inc.
Larson – Woods	A-S	2,065	Cut Complete	Tri Star Logging
Milligan Valley	A-S	754	Cut Complete and Closed	Tri Star Logging
Oil Well	A-S	1,028	Cut Complete	Gibson and Son Road Building
Exchange Tank	A-S	448	Cut Complete & Closed	Tall Timber Logging, LLC
URA Gobbler	A-S	1,318	Cut Complete	Forest Energy

Awarded Sale Name	Forest	Acres	Status	Awarded To
Windmill PJ	A-S	1,062	Cut Complete & Closed	Chippin-in, LLC
Phase 1 – Alder	A-S	995	Cut Complete & Closed	NLFP
Phase 1 - Rim Lakes-Willow	A-S	658	Cut Complete & Closed	NLFP
Luna Tank	A-S	1,316	Cut Complete	Luna Tank
Woody 05	Coconino	3,309	Cut completed & closed	Southwest Forest Products
Mr Jones	Coconino	611	Cut complete & closed	Jay Beecroft
FH-3 Right-of-Way	Coconino	576	Cut completed & closed	ADOT
Howard	Coconino	2,208	Cut completed & closed	Southwest Forest Products
Elden Base	Coconino	500	20 acres cut and contract has defaulted	Terry Hatmaker
Saginaw 2	Coconino	1,102	809 acres cut completed & closed, 293 acres defaulted	Southwest Forest products
Tule 3	Coconino	954	Cut completed & closed	Southwest Forest Products
Elden Base Re-offer	Coconino	620	Cut completed & closed	Dakota Logging
Railroad	Coconino	204	Cut completed & closed	White Mountain Timber
Windmill	Coconino	1,339	Cut complete & closed	Dakota Logging
Chimney Springs	Coconino	1,409	Cut completed & closed	The Nature Conservancy
Saginaw 3 Reoffer	Coconino	324	Cut completed & closed	Dakota Logging
Phase 1 - Weatherford	Coconino	944	Cut completed & closed	New Life Forest Products
Phase 1 - Schoolhouse	Coconino	2,567	Cut completed & closed	New Life Forest Products
Dry Lake Hills	Coconino	391	Cut Complete	Markit! Forestry
Mayflower	Coconino	275	Cut Complete	National Forest Foundation
Bonita	Coconino	718	Cut Complete	National Forest Foundation
Walker Hill Demo	Coconino	410	Cut Complete	TNC – Suarez Logging
Phase 1 - Clark	Coconino	1,110	Cut Complete & Closed	NLFP
Phase 1 - Elk Park	Coconino	1,231	Cut Complete & Closed	NLFP
Phase 1 - Orion	Coconino	319	Cut Complete & Closed	NLFP
Moose Stewardship	Kaibab	1,200	Cut completed & closed	James Perkins
Wright Hill TS	Kaibab	760	Cut completed & closed	High Desert Investment
Shiner	Kaibab	1,108	Cut completed & closed	Newpac Fibre

Awarded Sale Name	Forest	Acres	Status	Awarded To
Round Mountain East	Kaibab	839	177 acres cut and 662 acres defaulted on	New Pac Fibre
Perro	Kaibab	204	Cut completed & closed	Bob Lee and Sons
Saddle	Kaibab	1,106	Cut Complete & closed	Bob Lee and Sons
Parks West SPA	Kaibab	4,270	Cut Complete	The Nature Conservancy
Clover	Kaibab	2,496	Cut Complete	The Nature Conservancy
Phase 1 – KA	Kaibab	1,046	Cut completed & closed	New Life Forest Products
Phase 1 – Pomeroy	Kaibab	1,646	Cut completed & closed	New Life Forest Products
Phase 1 – Community Tank	Kaibab	1,039	Cut completed & closed	New Life Forest Products
Pup	Kaibab	916	Cut completed & closed	Bob Lee & Sons
Isham Springs	Kaibab	594	Cut completed & closed	Bob Lee & Sons
Cougar Park	Kaibab	1,342	Cut completed	Bob Lee & Sons
Phase 1 - McCracken	Kaibab	711	Cut Complete & Closed	NLFP
Shoofly Juniper Thinning	Tonto	300	Cut completed & closed	Tri Star Logging
Cave	Tonto	505	Cut completed & closed	Tri Star Logging
Laramie	Tonto	463	Cut completed & closed	Tri Star Logging
Leo Grove	Tonto	621	Cut completed & closed	Tri Star Logging
Sheep Springs	Tonto	1,147	Cut completed & closed	Tri Star Logging
Angel Rim	Tonto	462	Cut complete & closed	Tri Star Logging
Michellison	Tonto	444	Cut complete & closed	Tri Star Logging
Phase 1 - Christopher/Hunter-Mercer	Tonto	544	Cut complete & Closed	NLFP
Phase 1 - Woodchuck	Tonto	465	Cut Complete & Closed	NLFP
<b>Total</b>		<b>105,870</b>		

## APPENDIX B – Out Year Projects

Appendix B provides detailed information on 4FRI's 5-Year Program of work for our High Priority Partner and Commercial Thinning projects. High Priority Partner Projects are summarized in Table 14, which includes expected offerings and acres by fiscal year from 2025 through 2028. Commercial thinning projects are summarized in Table 16, which does include High Priority Partnership Projects with commercial timber removal, to provide a complete picture of all commercial projects by Forest and fiscal year. As mentioned earlier, due to a host of factors, 5-Year Plans are subject to change and typically do change regularly. Entities outside the Forest Service should not rely on the 5-Year Plan when making a decision that affects their business or organization. In sharing the 5-Year Plan, the Forest Service makes no commitment, expressed or implied, to executing any portion of these plans in part or in whole. For details about specific projects, SHG members are encouraged to contact timber and fuels program managers on individual forests.

Below is a summary of the acres currently planned over the next four years (2025-2028). Year 1 (2024) is already described in previous sections so not included here. This table includes all acres planned for high-priority partner projects and Forests' regular programs of work (POWs).

**Table 16. Outyear Projects (FY24-FY27), acres, and estimated volume (CCF) for High Priority Partner Projects**

Fiscal Year	FOREST	DISTRICT	Project or Sale Name	High Priority Partner Project	Treatment Method	Approximate Acres	Approximate Volume (CCF)
2025	Coconino	Mogollon Rim	CWPP – Cold Water	CC Cragin Watershed Protection Project	Commercial Thin	1,500	22,500
	Coconino	Flagstaff	Kachina	Innovations	Commercial Thin	2,500	19,800
	Coconino	Flagstaff	FWPP – Leroux	Flagstaff Watershed	Commercial Thin	1,500	13,000
	<b>Coconino Total</b>					<b>5,500</b>	<b>55,300</b>
	Kaibab	Williams	Steep Slope IRSC	Bill Williams Restoration Project	Mechanical Thin	175	0
	<b>Kaibab Total</b>					<b>175</b>	<b>0</b>
	Tonto	Payson	Greater Payson Phase 3 mastication	Greater Payson DFFM	Mastication	3,468	0
	Tonto	Payson	Dude Fire Restoration Project Phase 4	Dude Fire Restoration	Mastication	2,700	0
	<b>Tonto Total</b>					<b>6,168</b>	<b>0</b>
<b>2025 Total</b>						<b>11,843</b>	<b>55,300</b>

2026	Coconino	Flagstaff	FWPP – Malpai	Flagstaff Watershed Protection Project	Commercial Thin	4,250	29,750
	Coconino	Mogollon Rim	CWPP - Windfall	CC Cragin Watershed Protection Project	Commercial Thin	2,400	14,400
	<b>Coconino Total</b>					<b>6,650</b>	<b>44,150</b>
	Kaibab	Williams	Devil IRSC	Bill Williams Restoration Project	Commercial Thin	391	2,693
	Kaibab	Williams	Steep Slope IRSC II	Bill Williams Restoration Project	Mechanical Thin	340	0
	<b>Kaibab Total</b>					<b>731</b>	<b>2,693</b>
	Tonto	Payson	Greater Payson Phase 4	Greater Payson DFFM	Mastication	2,768	0
	<b>Tonto Total</b>					<b>2,768</b>	<b>0</b>
<b>2026 Total</b>						<b>10,149</b>	<b>46,843</b>
2027	Coconino	Mogollon Rim	CWPP – Milk Ranch	CC Cragin Watershed Protection Project	Commercial Thin	3,500	21,000
	<b>Coconino Total</b>					<b>3,500</b>	<b>21,000</b>
	Tonto	Payson	Greater Payson Phase 4 mastication	Greater Payson DFFM	Mastication	2,768	0
	<b>Tonto Total</b>					<b>2,768</b>	<b>0</b>
<b>2027 Total</b>						<b>6,268</b>	<b>21,000</b>
2028	Coconino	Mogollon Rim	CWPP – Moqui	CC Cragin Watershed Protection Project	Commercial Thin	5,000	30,000
	Coconino	Flagstaff	FWPP – Paired Watershed	Flagstaff Watershed	Commercial Thin	2,500	17,500
	<b>Coconino Total</b>					<b>7,500</b>	<b>47,500</b>
	Tonto	Payson	Greater Payson Phase 5 Mastication	Greater Payson DFFM	Mastication	1,406	0
	<b>Tonto Total</b>					<b>1,406</b>	<b>0</b>

2028 Total						8,906	47,500
Grand Total						37,166	170,643

**Table 17. Outyear Projects (FY24-FY27) for all commercial thinning projects by Forest and fiscal year.**

Award/ Accomplish Year	FOREST	DISTRICT	Activity Name	High Priority Partner Project	Acres	Volume CCF
2025	Apache-Sitgreaves	Alpine	BR – Horton		1,393	14,000
	Apache-Sitgreaves	Alpine	BR – Taylor Sink		3,388	23,000
	Apache-Sitgreaves	Black Mesa	Wildcat		1,487	9,900
	Apache-Sitgreaves	Lakeside	Tuff		2,000	12,000
	Apache-Sitgreaves	Black Mesa	Baca		1,800	7,200
	Apache-Sitgreaves	Lakeside	Morgan		1,100	6,500
	Apache-Sitgreaves	Black Mesa	Dutch Biomass		885	2,655
	Apache-Sitgreaves	Lakeside	Rattler Biomass		1,000	3,000
	<b>Apache-Sitgreaves Total</b>				<b>13,053</b>	<b>78,255</b>
	Coconino	Flagstaff	Coulter Park		1,021	7,500
	Coconino	Flagstaff	LO Pocket – Mooney Mtn Reoffer		1,800	32,521
	Coconino	Flagstaff	Kachina (Pumphouse)	Innovations	2,500	22,500
	Coconino	Mogollon Rim	CWPP – Cold Water	CC Cragin	1,500	19,800
	Coconino	Mogollon Rim	Strawberry		2,000	12,000
	Coconino	Flagstaff	Dutton Hill – Sliker		1,730	19,686
	Coconino	Flagstaff	LO Pocket – Grey Spring		1,327	9,734
	Coconino	Flagstaff	Dutton Hill - Everett		1,066	9,001
	Coconino	Flagstaff	Dutton Hill – Trap		1,475	12,353
	Coconino	Mogollon Rim	Little Bee		1,500	9,000
	Coconino	Flagstaff	Leroux	Flagstaff Watershed Protection	1,915	13,000
	<b>Coconino Total</b>				<b>17,804</b>	<b>167,095</b>
	Kaibab	Williams	Dog		1,638	10,757
	Kaibab	Williams	Ham		1,550	13,349
	Kaibab	Williams	Hardy Hill		1,188	7,000
	Kaibab	Williams	Chalendar		1,038	15,995
	Kaibab	Williams	Crackle		3,200	
	<b>Kaibab Total</b>				<b>8,614</b>	<b>47,101</b>
	Tonto	Payson	Keger		1,650	9,500
	<b>Tonto Total</b>				<b>1,650</b>	<b>9,500</b>
<b>2025 Total</b>					<b>41,121</b>	<b>301,951</b>

2026	Apache-Sitgreaves	Alpine	BR – Bardman		3,610	26,000
	Apache-Sitgreaves	Black Mesa	Hess Stewardship IRSC		2,000	6,500
	Apache-Sitgreaves	Black Mesa	Bonito Stewardship IRSC		1,800	9,900
	Apache-Sitgreaves	Black Mesa	Flat Draw Biomass		1,500	4,500
	Apache-Sitgreaves	Lakeside	McCleve Stewardship		1,100	6,050
	Apache-Sitgreaves	Lakeside	Ortega Biomass		3,200	8,000
	<b>Apache-Sitgreaves Total</b>				<b>13,210</b>	<b>60,950</b>
	Coconino	Flagstaff	Double Springs		699	7,654
	Coconino	Flagstaff	Telephone Tank		2,791	16,878
	Coconino	Flagstaff	Howard Pocket		2,436	19,250
	Coconino	Flagstaff	West Fork		2,128	23,408
	Coconino	Mogollon Rim	Cow Hill		2,200	13,200
	Coconino	Flagstaff	Harding Point		1,084	11,250
	Coconino	Mogollon Rim	CWPP - Windfall	CC Cragin	2,400	14,400
	Coconino	Mogollon Rim	Stoneman		1,500	9,000
	Coconino	Flagstaff	FWPP Malpai	Flagstaff Watershed Protection	4,250	29,750
	<b>Coconino Total</b>				<b>19,488</b>	<b>144,790</b>
	Kaibab	Williams	Tri Tank		1,773	13,910
	Kaibab	Williams	Newman Hill		1,000	7,000
	Kaibab	Williams	Mortiz Ridge		1,444	11,445
	Kaibab	Williams	Zero		1,856	0
	Kaibab	Williams	Devil IRSC	Bill Williams	391	2,693
	<b>Kaibab Total</b>				<b>6,464</b>	<b>35,048</b>
	Tonto	Pleasant Valley	Salty Henn		736	8,644
	<b>Tonto Total</b>				<b>736</b>	<b>8,644</b>
<b>2026 Total</b>					<b>40,243</b>	<b>249,432</b>
2027	Apache-Sitgreaves	Alpine	BR – Horse Creek		3,196	22,000
	Apache-Sitgreaves	Alpine	BR - Heifer		3,012	23,000
	Apache-Sitgreaves	Black Mesa	Knoll Stewardship IRSC		1,700	9,350
	Apache-Sitgreaves	Black Mesa	Deer Lake		1,200	4,800
	Apache-Sitgreaves	Lakeside	Yellow Jacket		1,700	9,350
	Apache-Sitgreaves	Black Mesa	Mud Biomass		1,500	4,500
	Apache-Sitgreaves	Black Mesa	Jays Biomass		680	2,040



	<b>Apache-Sitgreaves Total</b>				<b>12,988</b>	<b>75,040</b>
	Coconino	Flagstaff	Southside East		500	2,750
	Coconino	Flagstaff	Orion		572	4,500
	Coconino	Flagstaff	Bellemont		2,500	21,250
	Coconino	Flagstaff	Smith Butte		2,500	26,250
	Coconino	Mogollon Rim	CWPP – Milk Ranch	CC Cragin	3,500	21,000
	Coconino	Flagstaff	Casner Park		2,000	12,000
	Coconino	Flagstaff	Hidden Hollow		2,250	16,875
	Coconino	Mogollon Rim	5 Mile		2,500	15,000
	<b>Coconino Total</b>				<b>16,322</b>	<b>119,625</b>
	Kaibab	Williams	Sitgreaves Chip		1,543	1,543
	Kaibab	Williams	Beale Beowolf		1,700	11,900
	Kaibab	Williams	Beale Central		1,600	11,200
	Kaibab	Williams	South Parks		771	6,767
	<b>Kaibab Total</b>				<b>5,614</b>	<b>31,410</b>
	Tonto	Pleasant Valley	Honey		1,800	10,000
	Tonto	Payson	Verde East		1,000	5,000
	<b>Tonto Total</b>				<b>2,800</b>	<b>15,000</b>
<b>2027 Total</b>					<b>37,724</b>	<b>241,075</b>
2028	Apache-Sitgreaves	Black Mesa	Sand Point IRSC		1,400	7,781
	Apache-Sitgreaves	Alpine	BR – PS Knoll		2,970	22,000
	Apache-Sitgreaves	Alpine	BR – West Fork		2,834	21,000
	Apache-Sitgreaves	Black Mesa	Bigler Stewardship		2,000	10,000
	Apache-Sitgreaves	Black Mesa	Standard Biomass		272	688
	Apache-Sitgreaves	Black Mesa	Section 33 Biomass		1,200	3,000
	Apache-Sitgreaves	Lakeside	Lons Canyon		1,900	5,700
	Apache-Sitgreaves	Lakeside	Brown Creek Biomass		700	2,100
		Lakeside	Long East Biomass		4,237	2,438
	<b>Apache-Sitgreaves Total</b>				<b>17,516</b>	<b>74,707</b>
	Coconino	Flagstaff	Crazy Park		2,750	22,000
	Coconino	Flagstaff	FWPP – Paired Watershed	Flagstaff Watershed Protection	2,500	17,500
	Coconino	Mogollon Rim	Mule Park		2,000	12,000
	Coconino	Mogollon Rim	CWPP - Moqui	CC Cragin	5,000	30,000

	<b>Coconino Total</b>				<b>12,250</b>	<b>81,500</b>
	Kaibab	Williams	Beale Obsidian		1,600	11,200
	Kaibab	Williams	The Knolls		2,300	0
	Kaibab	Williams	Three Sisters		1,500	0
	<b>Kaibab Total</b>				<b>5,400</b>	<b>11,200</b>
	Tonto	Payson	Verde West		1,000	5,000
	<b>Tonto Total</b>				<b>1,000</b>	<b>5,000</b>
<b>2028 Total</b>					<b>36,166</b>	<b>172,407</b>

## APPENDIX C - DEFINITIONS

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**4FRI Restoration Strategy** – A document that was approved on November 9<sup>th</sup>, 2021, that outlines strategic goals, accomplishments, and expected outcomes for the 4FRI program.

**4FRI Stakeholder Group** – Informal organization open to public membership focused on landscape-scale restoration in northern Arizona. [4FRI Home Page - 4FRI Home](#)

**5-Year Plan** – A tool used by timber and fuels program managers to track outyear planned projects, typically for a minimum of 5 years. The tool helps track prep and survey work that is required prior to contract development and ensures a sustainable flow of acres and volume offered to industry on an annual basis.

**Acres Awarded** – The number of acres that are awarded under a commercial thinning or non-commercial hazardous fuels contract. Contract types and treatment methods vary depending on site conditions and project objectives.

**Acres Prepped** – The number of acres that have had all the preparation work completed prior to placing in a commercial thinning or non-commercial hazardous fuels reduction contract. Preparation work typically includes survey work for wildlife, aquatics, heritage resources, botany, or other sensitive resources, flagging, paining, and surveying unit boundaries, conducting cadastral surveys, collecting and processing cruise samples to determine sale volume and tree size classes, writing silvicultural prescriptions and marking guides, and all other associated work needed prior to contract award.

**Acres Completed** – The acres of awarded contracts that have had all commercial thinning or non-commercial hazardous fuels reduction completed. The term “completed” typically refers to the thinning requirements of a contract, but can also include all closeout work, such as slash treatment, ripping and seeding of compacted areas, and closure of roads that may be required prior to closing out a contract. In some instances, completed work is conducted with Forest Service crews so is not tied to a contract.

**Commercial Thinning** – Thinning and removal of merchantable sized trees (typically  $\geq 5$ " DBH) typically using conventional ground-based machinery to meet resource objectives. Conventional ground-based equipment usually includes fellers, skidders, de-limbers, and log trucks, but may also include forwarders, fellers with processing heads, grinders, chip vans, or a variety of other equipment. Commercial thinning could also be completed using cable or helicopter systems, but this isn't common in the southwest. Commercial thinning is accomplished using commercial timber sales, stewardship contracts, or agreements.

**Non – Commercial Hazardous Fuel Reduction** – Thinning or mastication of non-merchantable sized trees (typically  $< 5$ " DBH) or shrubs. For thinning prescriptions, material is typically treated on-site using slash piles, or lopping and scattering material, which is later treated with broadcast burning. This work is often completed with chainsaw crews or with masticators. Non-commercial hazardous fuels reduction is typically accomplished with service contracts or with Forest Service crews.

**High Priority Partner Project** – A category of projects described in the 4FRI Restoration Strategy that are designed to significantly reduce the risk of catastrophic wildfire through partnerships with external agencies, groups, or originations.

**Prescribed Fire** – A wildland fire originating from a planned ignition to meet specific objectives identified in a written and approved prescribed fire plan for which NEPA requirements (where applicable) have been met prior to ignition.

**Timber Contract** – Contracts used for the sale of timber products. The Forest Service sells timber and special forest products on a variety of contract and permit forms based on the complexity and/or value of the sale.

**Wildfire** – An unplanned ignition of a wildland fire, such as a fire caused by lightning, unauthorized or accidental human-caused fires, or an escaped prescribed fire.

# APPENDIX D - Methods

**Table 1**

Numbers are based on spatial polygons for FACTS activities completed (or awarded) in the categories defined by the header. The spatial polygons in each category were dissolved to represent the footprint acres accomplished for each fiscal year. Acres accomplished across different categories and across fiscal years may overlap as activities in multiple treatment categories may be accomplished on the same acre through time.

**Table 2**

The sum of commercial thinning acres treated since 2010 represents a straight summation of acres treated by fiscal year. This does not represent footprint acres as overlap exists where two separate commercial thinning entries have been completed since 2010. The remaining columns represent the footprint acres treated in one or more of the categories shown in table 1. Acres treated in more than one treatment category and/or more than one fiscal year are counted only once. The final column represents the number of acres that have been treated with both a commercial thinning activity and a broadcast burning activity since 2010.

**Table 9 Managed Wildfires** – Acres are based on reported accomplishments in FACTS using activity codes 1117 (Wildfire Natural Ignitions) and 1119 (Planned Treatment Burned in Wildfire) attributed with a key point of 6. Based on the hazardous fuels business rules document on the FACTS website, these activities with a key point of 6 represent wildfires with effects that align with land management plans and/or NEPA objectives.

**Geoprocessing model (derived from the model used for the 4FRI rapid assessment)**

A geoprocessing model was created to replicate these numbers as new activities are accomplished and completed across 4FRI. The tool references the R3 FACTS ACTV160 and wildfire perimeter feature classes. Activities are queried from the feature classes into several treatment categories: commercial thinning, non-commercial thinning, broadcast burning, pile burning. (See treatment category queries below). Wildfires are pulled from the wildfire perimeter feature classes to represent the areas where wildfires have occurred since 2010. For each treatment category, spatial polygons for all activities are dissolved by fiscal year to acres for each fiscal year accomplished for that category. Additionally, footprint acres for all treatment categories are created and spatially joined to attribute polygons with the number of times each polygon was treated (or not) with each treatment category, the years each polygon was treated, and the latest year of treatment.

The model creates outputs designed to summarize tabular and spatial data entered into FACTS. Discrepancies can exist between reported accomplished acres and the spatial representation of those activities. In most cases, discrepancies are small and the tendency for error between reported and GIS calculated acres is outweighed by the ability to remove multiple activities representing a single treatment and the ability to identify where treatments overlap in time and space.

A series of feature classes and spreadsheets derived from those feature classes are output from the model. The outputs fall within several types described in the bullets below.

- FACTS accomplishment feature classes (by treatment category) with activity details
- Accomplishments dissolved by fiscal year (for each treatment category)

- Used to quantify the accomplishment acres shown in table 1 for each category by year
- Footprint of accomplishments (for each treatment category)
- Footprint of accomplishments (across all treatment categories)
  - Each polygon is attributed with whether a treatment has occurred in each treatment category, the fiscal years when the treatments occurred in each treatment category, and the latest fiscal year when the treatment occurred in each treatment category
  - This dataset allows for the quantification of the total footprint treated in any category and where treatments overlap between categories.

## Treatment Category Queries

### *Completed commercial thinning:*

```
ACTIVITY_CODE IN(4101,
4102,4111,4113,4115,4117,4121,4122,4131,4132,4141,4142,4143,4145,4146,4148,4151,4152,4162,4175,4177,4183,41
92,4193,4194,4196,4210,4211,4220,4231,4232,4241,4242) AND FISCAL_YEAR_COMPLETED >= 2010 AND
FISCAL_YEAR_COMPLETED <=2022 AND ORG IN( '031204' , '031205' , '030701' , '030704' , '030402' , '030406' , '030407' ,
'030408' , '030101' , '030102' , '030103' , '030106' , '030107' )
```

### *Ongoing commercial thinning:*

```
ACTIVITY_CODE IN(4101,
4102,4111,4113,4115,4117,4121,4122,4131,4132,4141,4142,4143,4145,4146,4148,4151,4152,4162,4175,4177,4183,41
92,4193,4194,4196,4210,4211,4220,4231,4232,4241,4242) AND FISCAL_YEAR_ACCOMPLISHED >= 2000 AND
FISCAL_YEAR_COMPLETED IS NULL AND ORG IN( '031204' , '031205' , '030701' , '030704' , '030402' , '030406' , '030407' ,
'030408' , '030101' , '030102' , '030103' , '030106' , '030107' )
```

### *Completed non-commercial thinning:*

```
(ACTIVITY_CODE IN(1136,1150,1152,1154,1160,1180,3370,4521,4522,4530,6103,6104,6105,6107,6133) OR
(ACTIVITY_CODE = '4270' AND ACTIVITY_SUB_UNIT_NAME = 'MOUNTAINEER MEADOW 07') OR (ACTIVITY_CODE IN (
4511,2340,2341,2360,2400) AND NOT METHOD_CODE IN ( '000' , '101' , '102' , '300' , '700' , '116' )) OR (ACTIVITY_CODE IN
(4511,2340,2341,2360,2400) AND METHOD_CODE = '000' AND (NOT WORKFORCE_CODE = 'FA' OR WORKFORCE_CODE
IS NULL))) AND FISCAL_YEAR_COMPLETED >= 2010 AND FISCAL_YEAR_COMPLETED <=2022 AND ORG IN( '031204' ,
'031205' , '030701' , '030704' , '030402' , '030406' , '030407' , '030408' , '030101' , '030102' , '030103' , '030106' , '030107' )
AND NOT FACTS_ID = '2013NKRDBS'
```

### *Completed broadcast burning:*

```
ACTIVITY_CODE IN (1111,1112,1113,4491,4492,4541,6101) AND FISCAL_YEAR_COMPLETED >= 2010 AND
FISCAL_YEAR_COMPLETED <=2022 AND ORG IN( '031204' , '031205' , '030701' , '030704' , '030402' , '030406' , '030407' ,
'030408' , '030101' , '030102' , '030103' , '030106' , '030107' )
```

### *Completed pile burning:*

```
ACTIVITY_CODE IN (1130) AND FISCAL_YEAR_COMPLETED >= 2010 AND FISCAL_YEAR_COMPLETED <=2022 AND ORG IN(
'031204' , '031205' , '030701' , '030704' , '030402' , '030406' , '030407' , '030408' , '030101' , '030102' , '030103' , '030106' ,
'030107' )
```

### *Wildfires:*

```
FIREYEAR >= 2010
```

(Note: Wildfire perimeters used in this model are designed to show where wildfires have occurred since 2010 and do not represent the acres accomplished and reported as wildfires with beneficial effects. A tabular query of activities falling under the “wildfire - natural ignition” or “planned treatments burned in wildfire” AND a key point of 6 would better represent the reported acres of wildfire with beneficial effects since the spatial polygon for those activities are generally tied to the entire wildfire perimeter even if the number of acres reported represent only a portion of the total wildfire acres.)