



Flagstaff Watershed Protection Project



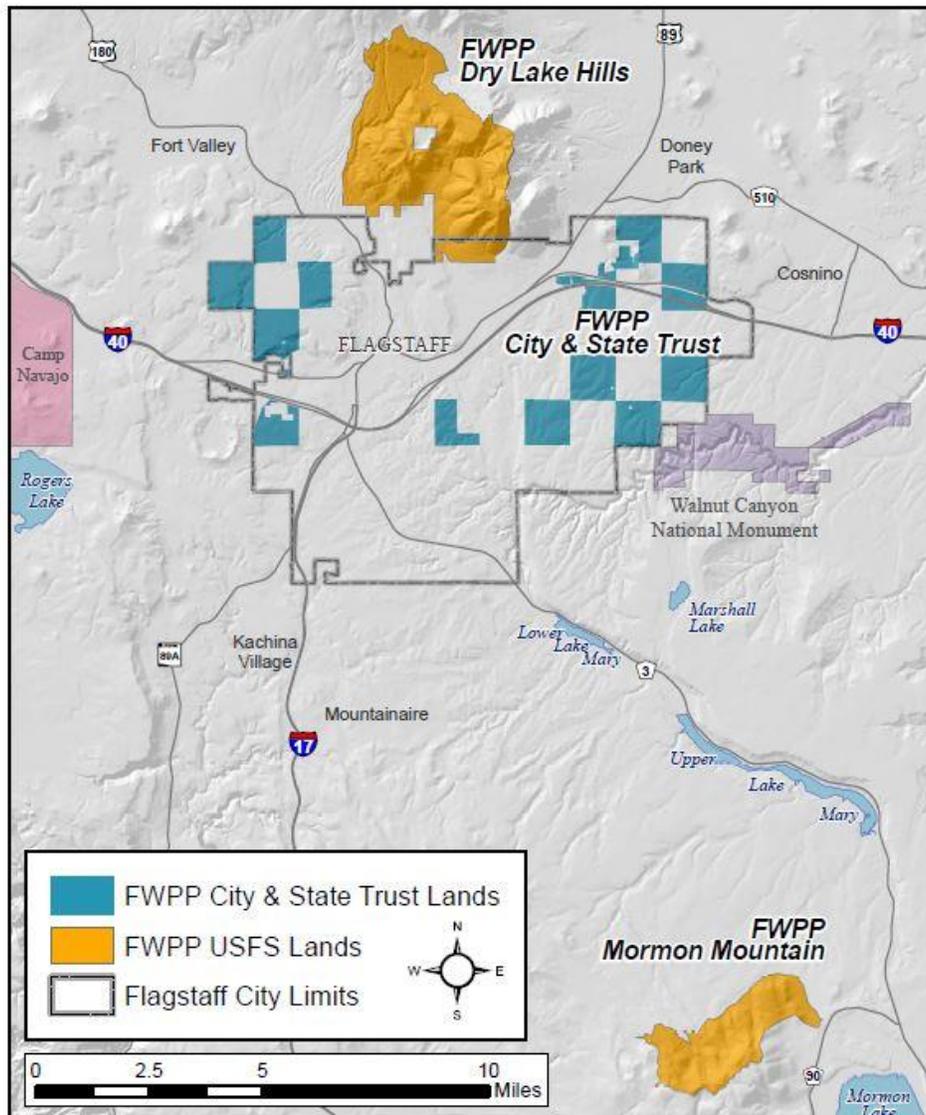
City of Flagstaff
211 W. Aspen Ave.
Flagstaff, AZ 86001
(928) 213-2000



Coconino National Forest
Flagstaff Ranger District
5075 N Hwy 89
Flagstaff, AZ 86004
(928) 526-0866

In the November 2012 election, the City of Flagstaff voters overwhelmingly approved (by 74%) a \$10 million dollar bond to fund the Flagstaff Watershed Protection Project (FWPP). This collaborative forest treatment effort, involving City, State, and Federal lands is to reduce the risk of severe wildfire and subsequent post-fire flooding in two key watershed areas important to Flagstaff. Over the last six years, FWPP has thinned nearly 4,200 acres of forest in and around Flagstaff. Through the many collaborative partners, FWPP has brought in an additional \$7M dollars through in kind and cash leverage, with the Coconino National Forest being the largest contributing partner.

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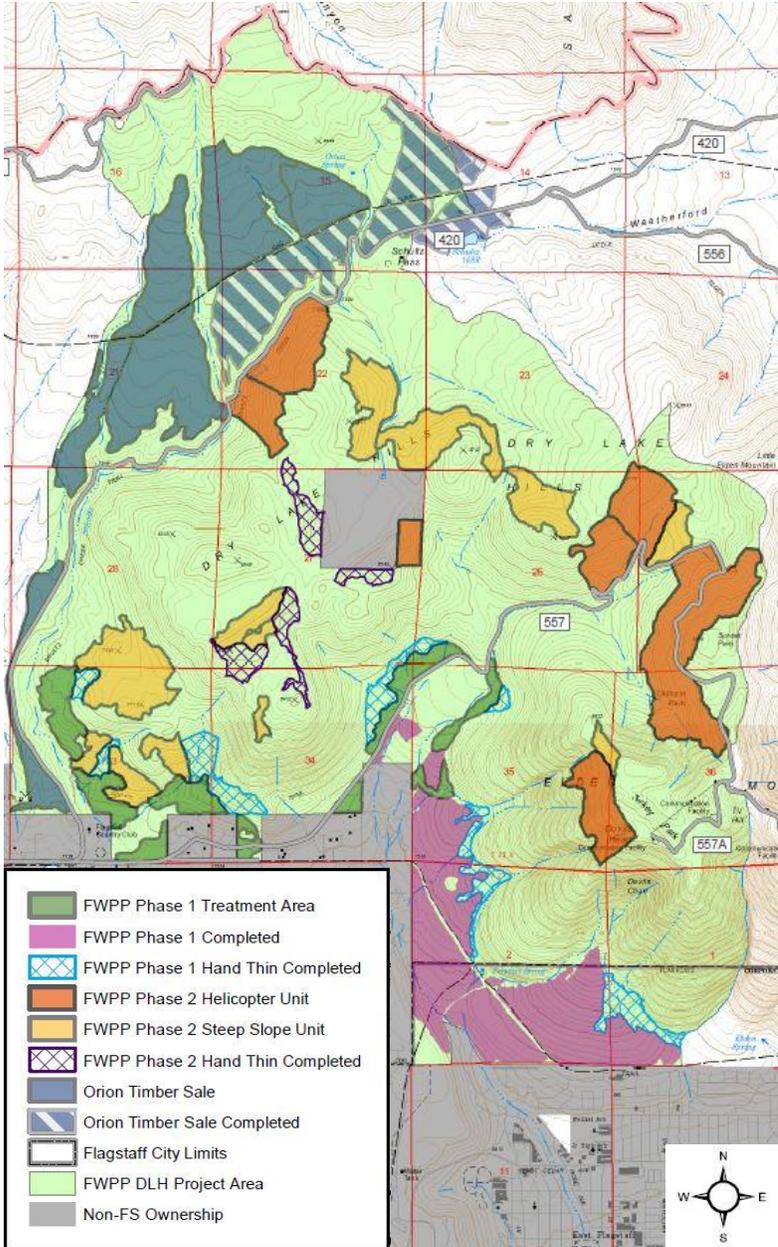


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FWPP Dry Lake Hills: USFS Phase I & II



FWPP Forest Thinning Status

Project Location	Site/Name	Total Acres	Acres Completed
COMPLETED			
County	Sechrist mechanical	57	57
City	Sec 18 mechanical	476	476
	Sec 18 handthin	14	14
	Sec 12 mechanical	214	214
	Sec 12 handthin	253	253
	Sec 6 mechanical	319	319
	Sec 6 handthin	61	61
	Sec 8 mechanical	384	384
	Sec 8 handthin	67	67
	State	Equestrian mechanical	350
Equestrian handthin		35	35
Sec 30 handthin		150	150
Sec 20 mechanical		500	500
Tribal	Brookbank Meadow (Crew 1)	30	30
USFS	Elden Base (ACE)	110	110
	Schultz Creek (USFS/DOC)	165	165
	Mt Elden Rd (USFS)	100	100
SUB-TOTAL		3,285	3,285
IN PROGRESS			
City	Sec 18 - Handthin (Crew 1)	156	60
USFS Phase I	Orion Task Order	891	350
USFS Phase I	Elden Base mechanical	662	400
USFS Phase II	Handthin (ACE)	75	55
USFS Phase II	Helicopter	529	0
USFS Phase II	Steep slope mechanical	397	0
Tribal	Brookbank Parcel handthin (ACE)	100	30
SUB-TOTAL		2,810	895
TOTAL		6,095	4,180
PENDING AWARD			
USFS Phase II	Schultz Tank IRSC	466	
USFS Phase II	Dry Lake Hills IRSC	891	
SUB-TOTAL		1,357	
PLANNED			
USFS Phase II	Handthin MSO habitat (ACE)	200	
City	Picture Canyon Handthin (TBD)	200	
City	Sec 6	35	
USFS Phase III	Mormon Mtn (est)	2,500	
SUB-TOTAL		2,935	
TOTAL		4,292	
PROJECT TOTAL		10,387	



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With the project now in its sixth year, we have successfully:

- Completed all environmental analysis (National Environmental Policy Act – NEPA) on federal lands.
- Completed boundary surveys on federal lands within the project footprint in the Dry Lake Hills area.
- Constructed nearly three and a half miles of temporary roads and rebuilt/resurfaced nearly eight miles of existing roads.
- Accomplished –
 - Nearly 3,300 acres of tree marking.
 - Nearly 4,200 acres of thinning/harvesting.
 - Over 3,000 cords of firewood to area residents, and supplied wood to local forest operators.
 - Chipped nearly 1,500 acres of debris, supplying Salt River Project with material used for their electrical generation test at the St Johns power-plant.
 - Nearly 3,000 acres of pile and broadcast burning.
- Awarded helicopter and steep-slope contracts, the first of their kind in the southwest.
- Received over 14,000 hours of volunteer labor.
- Installed four gauge stations (three in Dry Lake Hills, one at Lake Mary) to monitor streamflow.
- Created the City's Monitoring Plan.
- Hosted over 60 public events/field trips.
- Completed field tests of an emerging tablet technology that may replace tree paint.
- Served as an on-going outdoor living lab for NAU students.
- Trained 32 American Conservation Experience crew members as sawyers.
- Employed 75 seasonal crew members, many from the immediate area.
- Secured over \$7 million in funds (in addition to that approved by the voters), all provided by others, and all directed toward stretching the City's contribution and implementing forest treatment efforts.
- Worked with US Fish and Wildlife Service to gain permission to conduct forest treatments without timing for two consecutive years within Mexican Spotted Owl habitat during the breeding season.



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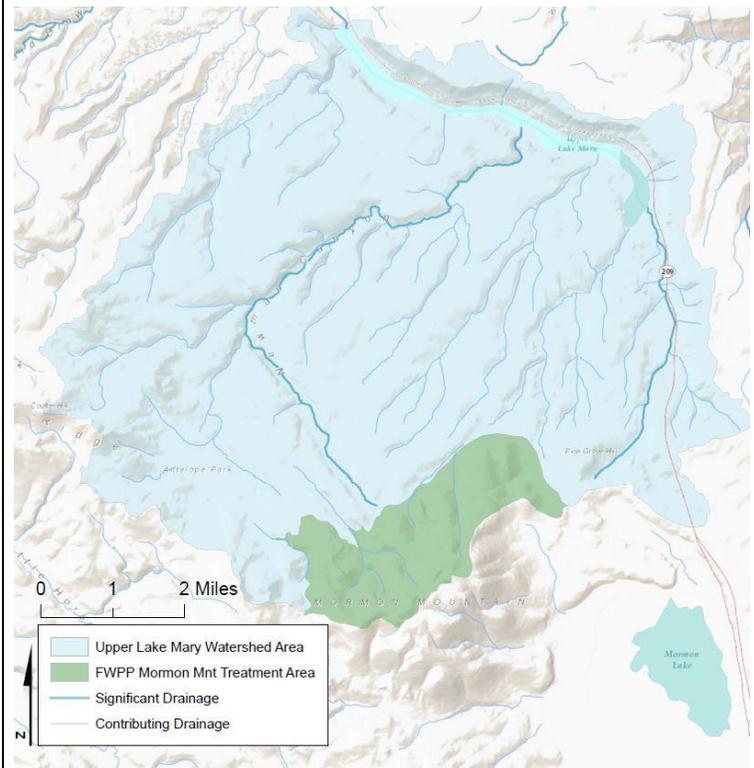
Challenges we continue to address:

- Limited capacity wood products market makes treatment work expensive and contracting difficult.
- Processed logs from Helicopter and Steep Slope contracts will be staged onsite to be sold as deck sales.
- Steep and complex terrain requires attracting out of state contractors to thin low value timber.
- High costs associated with temporary road construction and maintenance.
- Limited locations currently available for storing/processing/transporting round wood and biomass material.
- High recreational use in project area makes trail closures difficult.

Needs

- Fire wood processor, wood processing location, staff to operate, and assistance with fuel wood dispersal (Approx. \$250K over two years).
 - Will utilize processed logs from Phase II.
 - Fuel wood will be available to local residents and surrounding Native American communities.
- Construct 14 miles of new temporary road and maintain 33 total miles of roads within the Dry Lake Hills and Schultz Tank IRSC contracts, FWPP Phase II (Approx. \$435K over two years).
 - Will offset contract costs and facilitate forest thinning treatments.
- Mormon Mt: Funds for operational layout, prescription development, and implementation (Approx. \$8.5M).
 - Will ensure critical FWPP project areas are completed as scheduled.

FWPP Mormon Mountain: USFS Phase III



If you have any questions, please contact Paul Summerfelt, Flagstaff Fire Management Officer at (928-213-2500) or psummerfelt@flagstaffaz.gov