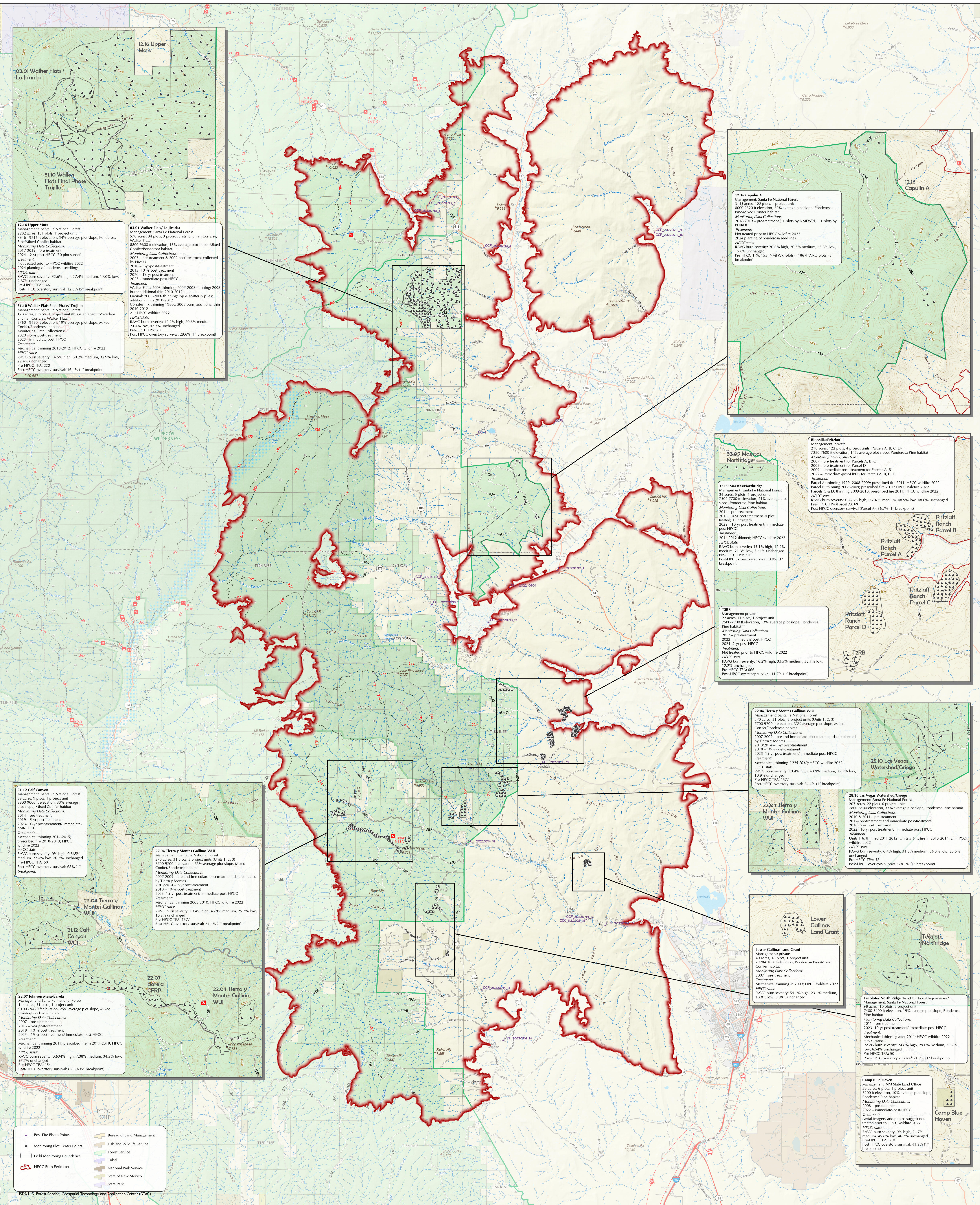


NMFWRI Monitoring in the Hermit's Peak/Calf Canyon Fire Burn Scar



12.16 Upper Mora
Management: Santa Fe National Forest
2202 acres, 151 plots, 1 project unit
7946 - 9216 ft elevation, 34% average plot slope, Ponderosa Pine/Mixed Conifer habitat
Monitoring Data Collections:
2014 - pre-treatment
2017-2019 - pre-treatment
2024 - 2-yr post-HPPC 30 plot subset
Treatment:
Not treated prior to HPPC wildfire 2022
2024 planting of ponderosa seedlings
HPPC stats:
RAVG burn severity: 52.6% high, 27.4% medium, 17.0% low, 2.87% unchanged
Pre-HPPC TPA: 146
Post-HPPC overstory survival: 12.6% (1" breakpoint)

31.10 Walker Flats Final Phase/ Trujillo
Management: Santa Fe National Forest
178 acres, 6 plots, 1 project unit (this is adjacent to overlaps Encinal, Corrales, Walker Flats)
8760 - 9480 ft elevation, 19% average plot slope, Mixed Conifer/Ponderosa habitat
Monitoring Data Collections:
2021 - 5-yr post-treatment
2023 - immediate-post-HPPC
Treatment:
Mechanical thinning 2010-2012; HPPC wildfire 2022
HPPC stats:
RAVG burn severity: 14.5% high, 30.2% medium, 32.9% low, 22.4% unchanged
Pre-HPPC TPA: 220
Post-HPPC overstory survival: 16.4% (1" breakpoint)

03.01 Walker Flats/ La Jarcita
Management: Santa Fe National Forest
576 acres, 34 plots, 3 project units (Encinal, Corrales, Walker Flats)
8800-9600 ft elevation, 13% average plot slope, Mixed Conifer/Ponderosa habitat
Monitoring Data Collections:
2003 - pre-treatment & 2009 post-treatment collected by NMSU
2010 - 5-yr post-treatment
2015 - 10-yr post-treatment
2020 - 15-yr post-treatment
2023 - immediate-post-HPPC
Treatment:
Walker Flats: 2005 thinning; 2007-2008 thinning; 2008 burn; additional thin 2010-2012
Encinal: 2005-2006 thinning; top & scatter & piles; additional thin 2010-2012
Corrales: thin 1980; 2008 burn; additional thin 2010-2012
All: HPPC wildfire 2022
HPPC stats:
RAVG burn severity: 12.2% high, 20.6% medium, 24.4% low, 42.7% unchanged
Pre-HPPC TPA: 230
Post-HPPC overstory survival: 29.6% (1" breakpoint)

12.16 Capulin A
Management: Santa Fe National Forest
3138 acres, 122 plots, 1 project unit
8000-9320 ft elevation, 22% average plot slope, Ponderosa Pine/Mixed Conifer habitat
Monitoring Data Collections:
2018-2019 - pre-treatment (11 plots by NMFWRI, 111 plots by RWED)
Treatment:
Not treated prior to HPPC wildfire 2022
2024 planting of ponderosa seedlings
HPPC stats:
RAVG burn severity: 20.6% high, 20.3% medium, 43.3% low, 15.8% unchanged
Pre-HPPC TPA: 155 (NMFWRI plots) - 146 (RWED plots) (5" breakpoint)

32.09 Mantita/Northridge
Management: Santa Fe National Forest
34 acres, 6 plots, 1 project unit
7500-7700 ft elevation, 21% average plot slope, Ponderosa Pine habitat
Monitoring Data Collections:
2011 - pre-treatment
2019 - 10-yr post-treatment (4 plot treated; untreated)
2022 - 10-yr post-treatment/ immediate-post-HPPC
Treatment:
2011-2012 thinned; HPPC wildfire 2022
HPPC stats:
RAVG burn severity: 33.1% high, 42.2% medium, 21.3% low, 34.1% unchanged
Pre-HPPC TPA: 220
Post-HPPC overstory survival: 0.0% (1" breakpoint)

32.09 Mantita/ Northridge
Management: private
218 acres, 122 plots, 4 project units (Parcel A, B, C, D)
7220-7600 ft elevation, 14% average plot slope, Ponderosa Pine habitat
Monitoring Data Collections:
2007 - pre-treatment for Parcel A, B, C
2008 - pre-treatment for Parcel D
2009 - immediate post-treatment for Parcel A, B, C
2022 - immediate post-HPPC for Parcel A, B, C, D
Treatment:
Parcel A: thinning 1999, 2008-2009; prescribed fire 2011; HPPC wildfire 2022
Parcel B: thinning 2008-2009; prescribed fire 2011; HPPC wildfire 2022
Parcel C: A: D: thinning 2009-2010; prescribed fire 2011; HPPC wildfire 2022
HPPC stats:
RAVG burn severity: 0.47% high, 0.70% medium, 48.9% low, 48.6% unchanged
Pre-HPPC TPA: 69
Post-HPPC overstory survival: 86.7% (1" breakpoint)

12RB
Management: private
22 acres, 11 plots, 1 project unit
7500-7900 ft elevation, 13% average plot slope, Ponderosa Pine habitat
Monitoring Data Collections:
2017 - pre-treatment
2022 - immediate post-HPPC
2024 - 2-yr post-HPPC
Treatment:
Not treated prior to HPPC wildfire 2022
HPPC stats:
RAVG burn severity: 16.2% high, 33.3% medium, 38.1% low, 12.2% unchanged
Pre-HPPC TPA: 666
Post-HPPC overstory survival: 11.7% (1" breakpoint)

21.12 Calf Canyon
Management: Santa Fe National Forest
89 acres, 9 plots, 1 project unit
8800-9000 ft elevation, 31% average plot slope, Mixed Conifer habitat
Monitoring Data Collections:
2014 - pre-treatment
2019 - 5-yr post-treatment
2023 - 10-yr post-treatment/ immediate-post-HPPC
Treatment:
Mechanical thinning 2014-2015; prescribed fire 2018-2019; HPPC wildfire 2022
HPPC stats:
RAVG burn severity: 0% high, 0.86% medium, 22.4% low, 76.7% unchanged
Pre-HPPC TPA: 50
Post-HPPC overstory survival: 68% (1" breakpoint)

22.04 Tierra y Montes Gallinas WUI
Management: Santa Fe National Forest
270 acres, 31 plots, 3 project units (Units 1, 2, 3)
7700-9100 ft elevation, 33% average plot slope, Mixed Conifer/Ponderosa habitat
Monitoring Data Collections:
2007-2009 - pre and immediate post-treatment data collected by Tierra y Montes
2013-2021 - 5-yr post-treatment
2018 - 10-yr post-treatment
2023 - 15-yr post-treatment/ immediate-post-HPPC
Treatment:
Mechanical thinning 2008-2010; HPPC wildfire 2022
HPPC stats:
RAVG burn severity: 19.4% high, 43.9% medium, 25.7% low, 10.9% unchanged
Pre-HPPC TPA: 137.1
Post-HPPC overstory survival: 24.4% (1" breakpoint)

22.07 Johnson Mesa/Barela
Management: Santa Fe National Forest
144 acres, 31 plots, 1 project unit
9100 - 9420 ft elevation, 23% average plot slope, Mixed Conifer/Ponderosa habitat
Monitoring Data Collections:
2007 - pre-treatment
2013 - 5-yr post-treatment
2018 - 10-yr post-treatment
2023 - 15-yr post-treatment/ immediate-post-HPPC
Treatment:
Mechanical thinning 2011; prescribed fire in 2017-2018; HPPC wildfire 2022
HPPC stats:
RAVG burn severity: 0.634% high, 7.38% medium, 34.2% low, 57.7% unchanged
Pre-HPPC TPA: 134
Post-HPPC overstory survival: 62.6% (5" breakpoint)

22.04 Tierra y Montes Gallinas WUI
Management: private
40 acres, 18 plots, 1 project unit
7920-8100 ft elevation, Ponderosa Pine/Mixed Conifer habitat
Monitoring Data Collections:
2007 - pre-treatment
Treatment:
Mechanical thinning in 2009; HPPC wildfire 2022
HPPC stats:
RAVG burn severity: 54.1% high, 23.1% medium, 18.8% low, 3.98% unchanged

28.10 Las Vegas Watershed/Grigo
Management: Santa Fe National Forest
207 acres, 22 plots, 6 project units
7800-8400 ft elevation, 33% average plot slope, Ponderosa Pine habitat
Monitoring Data Collections:
2010 & 2011 - pre-treatment
2012 - pre-treatment and immediate post-treatment
2018 - 5-yr post-treatment
2022 - 10-yr post-treatment/ immediate-post-HPPC
Treatment:
Units 1-6 thinned 2011-2012; Units 5-6 rx fire in 2013-2014; all HPPC wildfire 2022
HPPC stats:
RAVG burn severity: 6.4% high, 31.8% medium, 36.3% low, 25.5% unchanged
Pre-HPPC TPA: 58
Post-HPPC overstory survival: 78.1% (1" breakpoint)

22.04 Tierra y Montes Gallinas WUI
Management: private
40 acres, 18 plots, 1 project unit
7920-8100 ft elevation, Ponderosa Pine/Mixed Conifer habitat
Monitoring Data Collections:
2007 - pre-treatment
Treatment:
Mechanical thinning in 2009; HPPC wildfire 2022
HPPC stats:
RAVG burn severity: 54.1% high, 23.1% medium, 18.8% low, 3.98% unchanged

28.10 Las Vegas Watershed/Grigo
Management: Santa Fe National Forest
207 acres, 22 plots, 6 project units
7800-8400 ft elevation, 33% average plot slope, Ponderosa Pine habitat
Monitoring Data Collections:
2010 & 2011 - pre-treatment
2012 - pre-treatment and immediate post-treatment
2018 - 5-yr post-treatment
2022 - 10-yr post-treatment/ immediate-post-HPPC
Treatment:
Units 1-6 thinned 2011-2012; Units 5-6 rx fire in 2013-2014; all HPPC wildfire 2022
HPPC stats:
RAVG burn severity: 6.4% high, 31.8% medium, 36.3% low, 25.5% unchanged
Pre-HPPC TPA: 58
Post-HPPC overstory survival: 78.1% (1" breakpoint)

22.04 Tierra y Montes Gallinas WUI
Management: private
40 acres, 18 plots, 1 project unit
7920-8100 ft elevation, Ponderosa Pine/Mixed Conifer habitat
Monitoring Data Collections:
2007 - pre-treatment
Treatment:
Mechanical thinning in 2009; HPPC wildfire 2022
HPPC stats:
RAVG burn severity: 54.1% high, 23.1% medium, 18.8% low, 3.98% unchanged

28.10 Las Vegas Watershed/Grigo
Management: Santa Fe National Forest
207 acres, 22 plots, 6 project units
7800-8400 ft elevation, 33% average plot slope, Ponderosa Pine habitat
Monitoring Data Collections:
2010 & 2011 - pre-treatment
2012 - pre-treatment and immediate post-treatment
2018 - 5-yr post-treatment
2022 - 10-yr post-treatment/ immediate-post-HPPC
Treatment:
Units 1-6 thinned 2011-2012; Units 5-6 rx fire in 2013-2014; all HPPC wildfire 2022
HPPC stats:
RAVG burn severity: 6.4% high, 31.8% medium, 36.3% low, 25.5% unchanged
Pre-HPPC TPA: 58
Post-HPPC overstory survival: 78.1% (1" breakpoint)

Lower Gallinas Land Grant
Management: private
40 acres, 18 plots, 1 project unit
7920-8100 ft elevation, Ponderosa Pine/Mixed Conifer habitat
Monitoring Data Collections:
2007 - pre-treatment
Treatment:
Mechanical thinning in 2009; HPPC wildfire 2022
HPPC stats:
RAVG burn severity: 54.1% high, 23.1% medium, 18.8% low, 3.98% unchanged

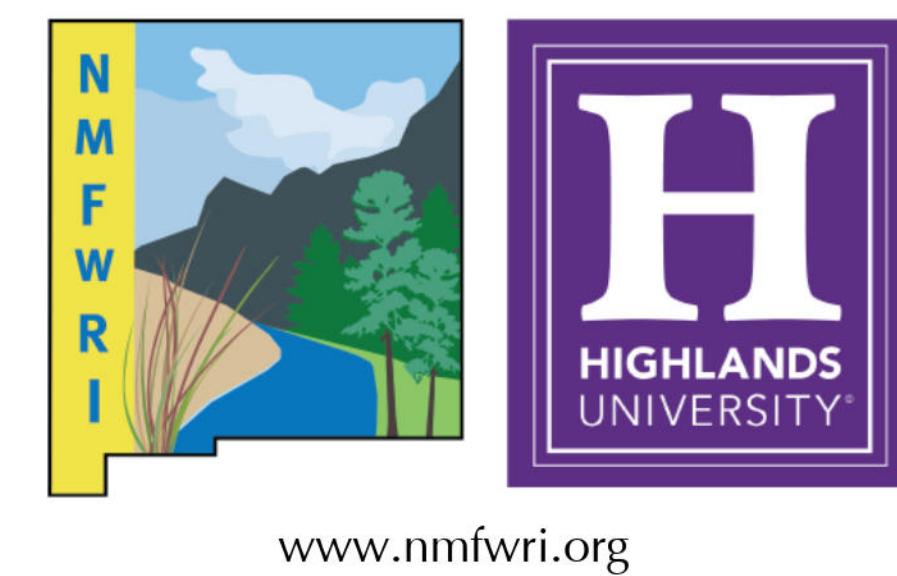
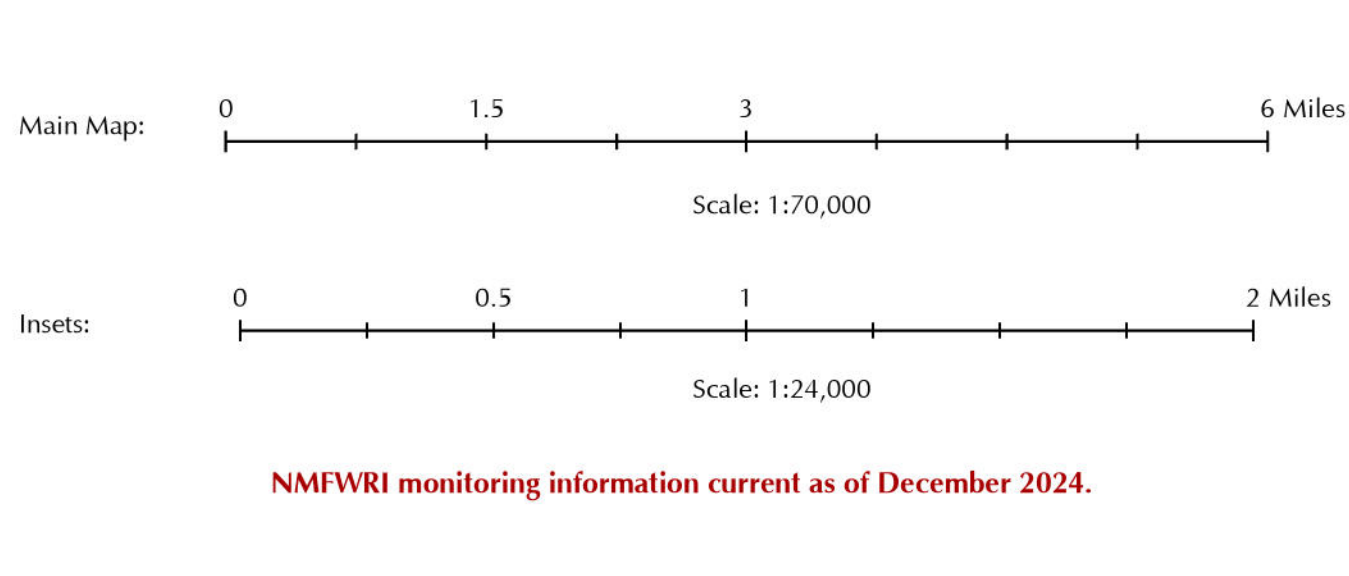
Tejote/ North Ridge
Management: Santa Fe National Forest
98 acres, 10 plots, 3 project unit
7400-8400 ft elevation, 19% average plot slope, Ponderosa Pine habitat
Monitoring Data Collections:
2011 - pre-treatment
2023 - 10-yr post-treatment/ immediate-post-HPPC
Treatment:
Mechanical thinning after 2011; HPPC wildfire 2022
HPPC stats:
RAVG burn severity: 24.8% high, 29.0% medium, 39.7% low, 6.34% unchanged
Pre-HPPC TPA: 30
Post-HPPC overstory survival: 21.2% (1" breakpoint)

Camp Blue Haven
Management: Santa Fe National Forest
25 acres, 6 plots, 1 project unit
7200 ft elevation, 10% average plot slope, Ponderosa Pine habitat
Monitoring Data Collections:
2008 - pre-treatment
2022 - immediate post-HPPC
Treatment:
Aerial imagery and photos suggest not treated prior to HPPC wildfire 2022
HPPC stats:
RAVG burn severity: 0% high, 7.47% medium, 45.8% low, 46.7% unchanged
Pre-HPPC TPA: 310
Post-HPPC overstory survival: 41.9% (1" breakpoint)

- Post-Fire Photo Points
- Monitoring Plot Center Points
- Field Monitoring Boundaries
- HPPC Burn Perimeter
- Bureau of Land Management
- Fish and Wildlife Service
- Forest Service
- Tribal
- National Park Service
- State of New Mexico
- State Park



The New Mexico Forest and Watershed Restoration Institute's Ecological Monitoring Program maintains a professionally managed field crew to collect and analyze data on short and long-term ecosystem responses to restoration treatments and wildfire, providing a critical scientific basis for adaptive management decisions and improved forest treatment effectiveness. We have partnered with more than 40 partners including the USFS to monitor sites throughout New Mexico, Colorado and Arizona since 2007 and have collected over 2,500 plots across more than 64,000 acres. Our data on the sites displayed in this map includes many of the following collections: pre-treatment, immediate post-treatment, 5-, 10-, and 15-yr post-treatment, and post-wildfire. At these sites we collect fuels (Brown's) transects and planar intercept cylinders (to quantify fuel loads including ladder fuels) ground and aerial cover by components; counts of woody species and their regeneration under 4.5 ft by species and condition; and overstory tree species, condition, damage/disease/severity, diameter, height, and live crown base height. We also have photo series on many of these sites across monitoring periods. All data is put through a multi-step quality control process. Information on how we meet our Measurement Quality Objectives is available for data after 2023. All data on these projects, along with all others in our network (excluding confidential Tribal data) are available upon request. We can deliver data in various formats, along with technical support for analysis and interpretation. Please reach out!



NMFWRI monitoring information current as of December 2024.

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