

FY 14 CFLR Ecological Indicator Progress Report

Project Name: Zuni Mountain

State: NM

Initial Landscape-scale Desired Conditions for the life of the project as defined by the Collaborative

1. Desired Conditions **Target for Fire Regime Restoration at Landscape-scale: 85%** change (relative to the desired condition) occurs across **4.6%** of the landscape area by the end of FY **2014**.

The following quantifiable desired condition statements are what the above target is based on and they reflect the initial project goals as outlined in the Zuni Mtn. project proposal.

Project Goal: The project will support a managed landscape where vegetation is resilient in the face of climate change, resistant to uncharacteristic crown fires, and supports healthy animal and human communities. Directly reduce the potential for active crown fire on 21,600 acres.

Desired Conditions Statement – 10 yr.:

Fuel models indicate reduced likelihood of supporting a stand replacing fire across 12.3% of the CFLR landscape (21,600 acres)

- Fuel models indicate reduced flame lengths across 4.6% of the CFLR landscape at the end of year 3 (8,100 acres) {This is a subset of the above 21,600 acres}

Expected Progress toward Desired Condition in 3 years (8,100 acres of the 21,600 acres or 4.6% of the landscape):

- Good = Expected progress is being made towards Desired Conditions across **1.6%** or more of the CFLR landscape area.
- Fair = Expected progress is being made towards Desired Conditions across **2.4%** of the CFLR landscape area
- Poor = Expected progress is being made towards Desired Conditions across **less than 1%** of the CFLR landscape area

2. Desired Conditions **Target for Fish and Wildlife Habitat Condition at Landscape-scale: 100%** change (relative to the desired condition) occurs across **3.2%** of the landscape area by the end of FY **2014** however the Cibola over accomplished at this occurred on **4% of the landscape area**.

The following quantifiable desired condition statement is what the above target is based on and it reflects the initial project goals as outlined in the Zuni Mtn project proposal.

Project Goal: The project will support a managed landscape where vegetation is resilient in the face of climate change, resistant to uncharacteristic crown fires, and supports healthy animal and human communities.

Desired Condition Statement – 10 yr.: Increase wildlife habitat by creating uneven aged and multi-stories stand structures that accelerate stand transition to old growth by increasing vigor of old and large tree component across 8.6% of the landscape (15,000 acres)

Expected Progress toward Desired Condition in 3 years (5,600 acres of the 15,000 acres or 3.2% of the landscape):

- Good = Expected progress is being made towards Desired Conditions across **1.6%** of the CFLR landscape area.
- Fair = Expected progress is being made towards Desired Conditions across **2.4%** of the CFLR landscape area
- Poor = Expected progress is being made towards Desired Conditions across less than **0%** of the CFLR landscape

3. Desired Conditions **Target for Watershed Condition at Landscape-scale: 50%** change (relative to the desired condition) occurs across **2.6%** of the landscape area by the end of FY **2014** however the Cibola over accomplished at this occurred on **4% of the landscape area**.

The following quantifiable desired condition statement is what the above target is based on and it reflects the initial project goals as outlined in the Zuni Mtn. project proposal.

Project Goal: Water quality and watershed function and are maintained or improved by reducing FRCC from 3 to 2 and improving resilience to climate change. 100% of this goal will be accomplished once the 2nd prescribed burn occurs. This is unlikely to occur during the life of the CFLR due to the fact that in the 8 year period the initial mechanical and prescribed burn will occur. In areas where prescribed burn only will occur the 1st burn will be accomplished during the 8 year period and the 2nd burn will occur after the CFLRP. For all areas a 2nd prescribed burn will be required to move the area to FRCC 2. By moving the area to FRCC 2 it will become more resilient to climate change, therefore during the CFLR it is expected that treatments will move the area 50% towards this desired condition

Desired Condition Statement – 10-yr.: Reduce FRCC 3 to 2 on 12,000 acres and improve overall resilience to climate change in 6.8% of the in the landscape (174,953 ac.).

Expected Progress toward Desired Condition in 3 years (4,500 acres out of 12,000 or 2.6% of the landscape):

- Good = Expected progress is being made towards Desired Conditions across **1.6%** or more of the CFLR landscape area.
- Fair = Expected progress is being made towards Desired Conditions across **2.4%** of the CFLR landscape area
- Poor = no acres fell into this category due to the fact the Cibola accomplished some level of this objective on the acres targeted to improve Watershed Condition. In fact the Cibola over accomplished improving acres for this objective

4. Desired Conditions **Target for Landscape Scale Invasive Species Severity at Landscape-scale: less than 1%** of the CFLR landscape area (relative to the desired condition) was restored by reducing invasive species severity (preventing, controlling, or eradicating targeted invasive species) to meet desired conditions by the end of FY **2014**.

The following quantifiable desired condition statement is what the above target is based on and it reflects the initial project goals as outlined in the Zuni Mtn. project proposal.

Project Goal: The invasive plants populations are controlled from increase and spread and overall impact to is reduced.

Desired Condition Statement 10-yr.: Invasive species establishment will be made less likely by increasing control of populations and reducing spread across **less than 1%** of the landscape.

Expected Progress toward Desired Condition in 5 years:

- Good = Expected progress is being made towards Desired Conditions across **0%** or more of the CFLR landscape area.
- Fair = Expected progress is being made towards Desired Conditions across **0%** of the CFLR landscape area
- Poor = Expected progress is being made towards Desired Conditions across less than **1%** of the CFLR landscape area

Scoring for National Reporting

Current Landscape-scale Evaluation

Ecological Indicators	Datasets and/or databases of records used	Good, Fair, Poor and (%) landscape across which progress is being made towards desired conditions	Are you achieving your CFLRP objectives? (Y/N)	If NO, briefly explain...
Fire Regime Restoration	FACTS, FSVeg	G=1.6, F= 2.4, P= 0	Y	
Fish and Wildlife Habitat Condition	NRIS,FSVeg	G=1.6, F= 2.4, P= 0	Y	
Watershed Condition	Workplan,WCATT	G=1.6, F= 2.4, P= 0	Y	
Invasive Species	FACTS	G=0, F= 0, P= 0	N	The Cibola has focused the last three years on establishing a wood product industry and conducting Rx burns. The total acres for invasive species treatment will be completed by the end of the 8 yrs

Project-scale scoring

Each management action funded through CFLR will have its own project-level objectives that are designed to contribute to achieving Desired Conditions at larger scales. Project-scale scoring should reflect how well the results of an individual management activity met the objectives for that project. Individual projects may not meet every desired condition of the CFLRP project. Project-scale scoring is conducted following completed management activities by the multi-party monitoring group at each Landscape.

- Good = 75% or more of implemented treatments result in measurable progress towards individual **project-level** objectives.
- Fair = 26% - 74% of implemented treatments result in measurable progress towards individual **project-level** objectives.
- Poor = 25% or less of implemented treatments result in in measurable progress towards individual **project-level** objectives.

1. Desired Conditions **Target for Fire Regime Restoration at Project-scale:**

Desired Conditions Statement: 85% change in reduced likelihood of supporting a stand replacing fire:

- Good = 70 – 100% of mechanical treatment and prescribed burn projects meet prescription objectives as quantified in burn plans.
- Fair = 30 – 69% of mechanical treatment and prescribed burn projects meet prescription objectives as quantified in burn plans.
- Poor = 0 – 29% of mechanical treatment and prescribed burn projects meet prescription objectives as quantified in burn plans.

2. Desired Conditions **Target for Fish and Wildlife Habitat Condition at Project-scale:**

Desired Condition Statement: 100% change in increase of wildlife habitat by creating uneven aged and multi-stories stand structures that accelerate stand transition to old growth by increasing vigor of old and large tree component.

Score:

- Good = 70 – 100% of projects intended to increase diverse stand structures that support a food web based approach to habitat.
- Fair = 30 – 69% of intended to increase diverse stand structures that support a food web based approach to habitat.
- Poor = 0 – 29% of intended to increase diverse stand structures that support a food web based approach to habitat.

3. Desired Conditions **Target for Watershed Condition at Project-scale:**

Desired Condition Statement: Reduce FRCC 3 to 2 on 12,000 acres and improve overall resilience to climate change

Score:

- Good = 70 – 100% of projects have or plan to treat more than 50% of roads with BMPs. (equals 5 or more)
- Fair = 30 – 69% of projects have or plan to treat more than 50% of roads with BMPs. (2-5)
- Poor = 0 – 29% of projects have or plan to treat more than 50% of roads with BMPs. (0-2)

4. Desired Conditions **Target for Landscape Scale Invasive Species Severity at Project-scale:**

Desired Condition Statement: Invasive species establishment will be made less likely by increasing control of populations and reducing spread

Score:

- Good = 70 – 100% of Initial treatments will begin reducing populations to a desired condition of 0%-20% from original density and confine it to the existing location by reducing spread.
- Fair = 30 – 69% of Initial treatments will begin reducing populations to a desired condition of 0%-20% from original density and confine it to the existing location by reducing spread.
- Poor = 0 – 29% of Initial treatments will begin reducing populations to a desired condition of 0%-20% from original density and confine it to the existing location by reducing spread.

Current Project-scale Evaluation

Ecological Indicators	Datasets and/or databases of records used	Project Level Good, Fair, Poor and (%) treatments resulting in measurable progress as defined above	Are you achieving your CFLRP objectives? (Y/N)	If NO, briefly explain...
Fire Regime Restoration	FACTS, Rx burn plan	G= 35%, F= 50%, P=15%	Y	
Fish and Wildlife Habitat Condition	EIS, FSVeg, NRIS	G= 40%, F= 60%	Y	
Watershed Condition	Workplan,WCATT	G= 40%, F= 60%	Y	
Invasive Species	FACTS, Workplan	G= 0%, F= 0%, P= 100%	N	The Cibola has focused the last three years on establishing a wood product industry and conducting Rx burns. The total acres for invasive species treatment will be completed by the end of the 8 yrs