

# CFLR Ecological Indicator Progress Report

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**Project Name: Dinkey Collaborative Forest Landscape Restoration Project**

**State: California**

## **Initial Desired Conditions as defined by the Collaborative**

1. Desired Conditions Target for Fire Regime Restoration: **30%** change (relative to the desired condition) occurs across **15.8%** of the landscape area<sup>1</sup> by **2014** date.

Please include 1-5 quantifiable desired condition statements upon which the above target is based. These statements should reflect the initial project goals as outlined in project proposals. Further guidance on what should be included in these statements is available in [the original Ecological Indicator Guidance](#) on page 4.

**Dinkey CFLR Desired Condition:** To make the landscape more resilient to fire, we plan to create burn conditions (via mechanical treatments and prescribed fire) that restore the frequent, low – moderate fire regime inherent to these mixed-conifer forests of the Sierra Nevada. Metric: flamelengths  $\leq$  8 ft., on average, as predicted by FVS post-treatment vegetation modeling and FVS-FFE fire effects modeling using approximately 90th percentile weather conditions.

2. Desired Conditions Target for Fish and Wildlife Habitat Condition: **On average, < 10%** change (relative to the desired condition) occurs across **100%** of the landscape area<sup>1</sup> by **2014** date.

Please include 1-5 quantifiable desired condition statements upon which the above target is based. These statements should reflect the initial project goals as outlined in project proposals. Further guidance on what should be included in these statements is available in [the original Ecological Indicator Guidance](#) on page 4.

**Dinkey CFLR Desired Condition:** To balance our attempts at improving forest (wildlife habitat) resiliency to fire using mechanical and prescribed fire treatments, it is essential that we maintain the availability of closed-canopy forests for forest-sensitive species (e.g., California spotted owl, Pacific fisher) that require closed-canopy, older forest. Across the landscape, the desired post-treatment canopy cover is  $>50\%$ , on average. For individual project areas that have an average pre-treatment canopy cover  $\geq 50\%$ , the desired condition is to maintain forested habitat types with an average post-treatment canopy cover of  $\geq 50\%$  across the entire treatment area. For individual project areas that have an average pre-treatment canopy cover  $< 50\%$ , the desired condition is to have an average of  $< 10\%$  change in post-treatment canopy cover across the entire treatment area. Metric: Canopy cover as modeled by FVS post-treatment conditions.

3. Desired Conditions Target for Watershed Condition: **37.5%** change (relative to the desired condition) occurs across **54%** of the landscape area<sup>1</sup> by **2014** date.

Please include 1-5 quantifiable desired condition statements upon which the above target is based. These statements should reflect the initial project goals as outlined in project proposals. Further guidance on what should be included in these statements is available in [the original Ecological Indicator Guidance](#) on page 4.

**Dinkey CFLR Desired Condition:** The Watershed Condition Classification Road and Trail Condition indicator ratings will be improved to 'good' (Functioning Properly) or 'fair' (Functioning at Risk) or maintained at 'good' or 'fair' for **all** subwatersheds (HUC 6) receiving treatments. Metric: Open Road Density and Road and Trail Maintenance which are 2 of the 4 attributes for the WCATT Road and Trail Condition Indicator (Watershed Condition Indicator #6). We anticipate having no effect on the other 2 attributes (Proximity to Water or Mass Wasting) for this WCATT indicator.

4. Desired Conditions Target for Landscape Scale Invasive Species Severity: **15.8**(%) of the CFLR landscape area (Includes only US Forest Service lands within the CFLR Landscape) was restored by reducing invasive species severity (preventing, controlling, or eradicating targeted invasive species) to meet desired conditions by **2014** date.

Please include 1-5 quantifiable desired condition statements upon which the above target is based. These statements should reflect the initial project goals as outlined in project proposals. Further guidance on what should be included in these statements is available in **the original Ecological Indicator Guidance** on page 4.

**Dinke CFLR Desired Condition:** For 100 % of the treated areas and transportation corridors, the desired condition is to have no or contained known occurrences of noxious weeds. Noxious weeds are defined as those species categorized as “moderate” or “severe” in their degree of impact on natural ecosystems by the California Invasive Plant Council. Metric: Density of noxious weeds in treated areas and along transportation corridors.

### Scoring for National Reporting

#### 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 activity. As such 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 Desired Conditions.
- Fair = 26% - 74% of implemented treatments result in measurable progress towards individual project-level Desired Conditions.
- Poor = 25% or less of implemented treatments result in measurable progress towards individual project-level Desired Conditions.

#### Current Project-scale Evaluation (Based on an aggregation of the Collaborative’s project-level monitoring)

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...
<b>Fire Regime Restoration</b>	1. Vegetation data stored in FSV 2. Modeling done with FVS 3. FACTS <a href="http://www.fs.usda.gov/main/r5/landmanag">www.fs.usda.gov/main/r5/landmanag</a>	FAIR (53% of project areas show progress toward desired conditions)	Yes	n/a
<b>Fish and Wildlife Habitat Condition</b>	1. Vegetation data stored in FSV 2. Modeling done with FVS	FAIR(60% of project areas show progress toward desired conditions)	Yes	n/a
<b>Watershed Condition</b>	WCATT data stored in SNFLibrary.gdb.	GOOD (75% of subdrainages show progress toward	Yes	n/a

		desired conditions)		
<b>Invasive Species</b>	FACTS	FAIR (67% of projects show progress towards desired condition)	Yes	n/a

### Landscape-scale scoring

Few (if any) CFLR-funded Landscapes propose to achieve landscape scale objectives through the mechanical treatment of every acre within their landscape boundary. Rather, the use of strategically placed restoration treatments should facilitate meeting these broader objectives. Scoring at this level reflects the degree to which individual Landscapes are resulting in Desired Conditions at broader spatial extent.

- Good = Expected progress is being made towards Desired Conditions across ≥ 11% of the CFLR landscape area.
  - Fair = Expected progress is being made towards Desired Conditions across 4.7 – 10.9% of the CFLR landscape area
  - Poor = Expected progress is being made towards Desired Conditions across < 4.7% of the CFLR landscape area
- “Expected progress” will be defined using 3, 5, 7 and 10-year benchmarks for each DC based on a percentage of the 10-year outcome specified in each Landscape’s proposal. To meet national reporting requirements on the Act, the 5, 10 and an additional 15-year reporting outcome are needed.

Current Landscape-scale Evaluation (Based on the Collaborative’s landscape-scale monitoring)

<b>Ecological Indicators</b>	<b>Datasets and/or databases of records used</b>	<b>Landscape Level Good, Fair, Poor and (%) landscape across which progress is being made towards desired conditions<sup>1</sup></b>	<b>Are you achieving your CFLRP objectives? (Y/N)</b>	<b>If NO, briefly explain...</b>
<b>Fire Regime Restoration</b>	1. Vegetation data stored in FSV 2. Modeling done with FVS + FVS	Good (12.2 %)	Yes	n/a
<b>Fish and Wildlife Habitat Condition</b>	1. Vegetation data stored in FSV 2. Modeling done with FVS	Good (33% of the landscape a canopy cover within the bounds of our desired condition)	Yes	n/a
<b>Watershed Condition</b>	WCATT data stored in SNFLibrary.gdb.	Good (54 %)	Yes	n/a
<b>Invasive Species</b>	FACTS	Fair (5.1 %)	Yes	n/a