

FY 14 CFLR Ecological Indicator Progress Report

Project Name: Southwestern Crown of the Continent

State: MT

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: 30% change (relative to the desired condition) occurs across 8.5% 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 SWCC project proposal.

Project Goal: Within the WUI, fuel conditions allow structural protection and public and firefighter safety when fires occur. Outside the WUI the forest ecosystem is resilient with conditions where fires burn in a mosaic of low- and mixed severity intensity within the range of their reference fire regimes, and less homogenous stand replacing fire severity.

Desired Conditions Statement – 10 yr.:

- Fuel models indicate reduced likelihood of supporting a stand replacing fire across 8.5% of the CFLR landscape (73,000 acres)
 - Fuel models indicate reduced flame lengths across 3.2% of the CFLR landscape (27,000 acres) {This is a subset of the above 73,000 acres}

Expected Progress toward Desired Condition in 5 years:

- Good = Expected progress is being made towards Desired Conditions across **21%** or more of the 5 yr. change target.
- Fair = Expected progress is being made towards Desired Conditions across **9%-20%** of the 5 yr. change target.
- Poor = Expected progress is being made towards Desired Conditions across **less than 9%** of the 5 yr. change target.

*2. Desired Conditions **Target for Fish and Wildlife Habitat Condition at Landscape-scale: 55% change (relative to the desired condition) occurs across 1% of the landscape area 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 SWCC project proposal.

Project Goal: Security habitat for wildlife, including elk, lynx, and grizzly bear is restored.

Desired Condition Statement – 10 yr.: Wildlife security has increased across 1.1% of the landscape (9,500 acres)

Expected Progress toward Desired Condition in 5 years:

- Good = Expected progress is being made towards Desired Conditions across **38%** or more of the 5 yr. change target.
- Fair = Expected progress is being made towards Desired Conditions across **17%** to less than **37%** of the 5 yr. change target.
- Poor = Expected progress is being made towards Desired Conditions across less than **17%** of the 5 yr. change target.

3. *Desired Conditions Target for Watershed Condition at Landscape-scale: 30% change (relative to the desired condition) occurs across 14% of the landscape area 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 SWCC project proposal.

Project Goal: Water quality and watershed function and are maintained or improved.

Desired Condition Statement – 10-yr.: WCATT Road and Trail Indicator Ratings improve in 13.9% of the in the landscape (119,214 ac.).

Expected Progress toward Desired Condition in 5 years:

- Good = Expected progress is being made towards Desired Conditions across **21%** or more of the 5 yr. change target.
- Fair = Expected progress is being made towards Desired Conditions across **9% to 20%** of the 5 yr. change target.
- Poor = Expected progress is being made towards Desired Conditions across less than **8%** of the 5 yr. change target.

4. *Desired Conditions Target for Landscape Scale Invasive Species Severity at Landscape-scale: 49% 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 SWCC project proposal.

Project Goal: The treat from noxious and invasive plants and non-native fish to ecological and economic resiliency is reduced.

Desired Condition Statement 10-yr.: Invasive species establishment will be made less likely by improving resilience across 1.4% of the landscape.

Expected Progress toward Desired Condition in 5 years:

- Good = Expected progress is being made towards Desired Conditions across **43%** or more of the 5 yr. change target.
- Fair = Expected progress is being made towards Desired Conditions across **34%** to less than **42%** of the 5 yr. change target.
- Poor = Expected progress is being made towards Desired Conditions across less than **34%** of the 5 yr. change target.

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...
<i>Fire Regime Restoration</i>	FACTS, FlamMap	Good (48%)	Y	N/A
<i>Fish and Wildlife Habitat Condition</i>	INFRA, GIS mapping	Good (38%)	Y	N/A
<i>Watershed Condition</i>	INFRA	Good (100%)	Y	N/A
<i>Invasive Species</i>	FACTS	Good (88%)	Y	N/A

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

Desired Conditions Statement: 75% of all prescribed burn projects meet prescription objectives as quantified in burn plan.

Score:

- Good = 70 – 100% of prescribed burn projects meet prescription objectives as quantified in burn plans.
- Fair = 30 – 69% of prescribed burn projects meet prescription objectives as quantified in burn plans.
- Poor = 0 – 29% of 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: Road closures effectively increased wildlife security in those projects where increased wildlife security was an objective during planning.

Score:

- Good = 70 – 100% of projects intended to increase security actually do with stated metrics.
- Fair = 30 – 69% of intended to increase security actually do with stated metrics.
- Poor = 0 – 29% of intended to increase security actually do with stated metrics.

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

Desired Condition Statement: Over 50% of roads that will be used for activities planned in DN project areas have received or are planned for BMPs.

Score:

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

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

Desired Condition Statement: Aerial herbicide treatment projects reduce 80% of target species.

Score:

- Good = 70 – 100% of aerial weed spraying in monitored projects eliminated 56% or more of the target species post treatment.
- Fair = 30 – 69% of aerial weed spraying in monitored projects eliminated 24% - 55% of the target species post treatment.
- Poor = 0 – 29% of aerial weed spraying in monitored projects eliminated 0-23% of the target species post treatment.

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...
<i>Fire Regime Restoration</i>	FACTS, FlamMap	Good (127%)	Y	N/A
<i>Fish and Wildlife Habitat Condition</i>	EA and Decision Notices INFRA	Good (100%)	Y	N/A
<i>Watershed Condition</i>	EA and Decision Notices	Good (100%)	Y	N/A
<i>Invasive Species</i>	Aerial Weed Monitoring data	Good (80%)	Y	N/A