



DEPARTMENT OF FORESTRY AND FIRE PROTECTION

P.O. Box 944246
 SACRAMENTO, CA 94244-2460
 (916) 653-7772
 Website: www.fire.ca.gov



November 18, 2021

Elizabeth Nielsen
 County of Siskiyou
 1312 Fairlane Road
 Yreka, CA 96097

8GG20636; County of Siskiyou, “McKinley Scott Fuel Reduction Partnership”

This Agreement cannot be considered binding on either party until approved by appropriate authorized CAL FIRE designee. No services should be provided prior to approval, as the State is not obligated to make any payments on any Agreement prior to final approval. FAILURE TO RETURN ALL DOCUMENTS BY DATE BELOW MAY RESULT IN LOSS OF FUNDING.

Please contact Nochella Ozard at (916) 531-7402 if you have questions concerning services to be performed.

1. Full grant agreement including terms and conditions, project grant application form, scope of work, budget, map, and other exhibits enclosed. Print (single sided) and return two (2) sets of agreements with original signatures in blue ink. Please return to CAL FIRE no later than **November 2, 2021**.

Return all originals and requested documents for further processing to:

Please send the originals to the following address:
 CAL FIRE
 Attn: Grants Management Unit/CCI –Forest Health
 P.O. Box 944246
 Sacramento, CA 94244-2460

Alternatively, you may opt to sign and scan the agreement back to your grant analyst in lieu of mailing it in. Additionally, the use of an electronic signature will be considered acceptable at this time.

2. Enclosed for your record is one fully executed copy of the agreement referenced above. When billing for services performed under this agreement, your invoices must reference the agreement number above and be submitted to the contract manager.

Thank you,

Nadine Scarbrough
 Grants Analyst
 Grants Management Unit

CC: Nochella Ozard
 Julie Howard
 Stella Chan

Enclosures

**State of California
Department of Forestry and Fire Protection (CAL FIRE)
Resource Management
GRANT AGREEMENT**

APPLICANT: County of Siskiyou
PROJECT TITLE: McKinley Scott Fuel Reduction Project
GRANT AGREEMENT: 8GG20636

PROJECT PERFORMANCE PERIOD is from Date Upon Approval through March 31, 2025.
 Under the terms and conditions of this Grant Agreement, the applicant agrees to complete the project as described in the project description, and the State of California, acting through the Department of Forestry & Fire Protection, agrees to fund the project up the total state grant amount indicated.

PROJECT DESCRIPTION: The McKinley Scott Fuel Reduction project occurs in central Siskiyou County on Scott Bar Mtn. and adjoining ridges above the Mill Creek watershed, between the Scott and Klamath Rivers approximately 10 miles west of Yreka, CA. It will use understory burning, herbicides, mastication, thinning and chipping to create fuel breaks joining the existing Craggy project along strategic ridges. The project goals include community protection, forest health and resilience, and wildlife habitat maintenance

Total State Grant not to exceed \$ 4,997,427.00 (or project costs, whichever is less).

**The Special and General Provisions attached are made a part of and incorporated into this Grant Agreement.*

County of Siskiyou

**STATE OF CALIFORNIA
DEPARTMENT OF FORESTRY
AND FIRE PROTECTION**

Applicant

DocuSigned by:
 By Ray Haupt
CA2109FE2102C42E
 Signature of Authorized Representative

Title Ray A. Haupt, Board of Supervisors Chair

Date 11/9/2021

By Matthew Reischman


Title: **Matthew Reischman
Deputy Director, Resource Management**

Date 11/9/2021

CERTIFICATION OF FUNDING

GRANT AGREEMENT NUMBER 8GG20636	PO ID	SUPPLIER ID 0000004249
FUND 0001	FUND NAME General Fund	
PROJECT ID F&HHEALTHGGRF	ACTIVITY ID 01	AMOUNT OF ESTIMATE FUNDING \$ 4,997,427.00
GL UNIT 3540	BUD REF 101	ADJ. INCREASING ENCUMBRANCE \$ 4,997,427.00
PROGRAM NUMBER 2470010	ENY 2020	ADJ. DECREASING ENCUMBRANCE \$ 0.00
ACCOUNT 5340580	ALT ACCOUNT 5340580000	UNENCUMBERED BALANCE \$ 4,997,427.00
REPORTING STRUCTURE 35409503	SERVICE LOCATION 96146	

I hereby certify upon my personal knowledge that budgeted funds are available for this encumbrance.


 Signature of CAL FIRE Accounting Officer

11/18/2021
 Date

GRANT NUMBER 8GG20636

County of Siskiyou

McKinley Scott Fuel Reduction Project

TERMS AND CONDITIONS OF GRANT AGREEMENT

I. RECITALS

1. This Agreement, is entered into between the State of California, by and through the California Department of Forestry and Fire Protection (CAL FIRE), hereinafter referred to as "STATE" and, County of Siskiyou, hereinafter referred to as "GRANTEE".
2. The STATE hereby grants to GRANTEE a sum (hereinafter referred to as "GRANT FUNDS") not to exceed four million, nine hundred ninety-seven thousand, four hundred twenty-seven dollars. (\$4,997,427.00).
3. In addition to the terms and conditions of this Agreement, the STATE and GRANTEE agree that the terms and conditions contained in the documents set forth below are hereby incorporated and made part of this agreement.
 - a. California Climate Investments Department of Forestry and Fire Protection Forest Health Program Grant Guidelines 2020-2021.
 - b. The submitted Application, Scope of Work, Project Budget Workbook, GHG Emissions Workbook and Exhibits
 - c. ADDENDUM – FOREST HEALTH GRANT PROJECTS

II. SPECIAL PROVISIONS

1. Recipients of GRANT FUNDS pursuant to California Public Resources Code Section 4799.05 shall abide by the provisions in this Agreement. This includes the requirement that work shall not commence prior to the execution of this Agreement by both parties. Any work started prior to the execution of this Agreement will not be eligible for funding under the terms of this Agreement.
2. As precedent to the State's obligation to provide funding, GRANTEE shall provide to the STATE for review and approval a detailed budget, specifications, and project description. Approval by the STATE of such plans and specifications, or any other approvals provided for in this Agreement, shall be for scope and quality of work, and shall not relieve GRANTEE of the obligation to carry out any other obligations required by this Agreement, in accordance with applicable law or any other standards ordinarily applied to such work or activity.
3. All informational products (e.g., data, studies, findings, management plans, manuals, photos, etc.) relating to California's natural environment produced with the use of GRANT FUNDS shall be available for public use.

III. GENERAL PROVISIONS

1. Definitions

- a. The term "Agreement" means grant agreement number 8GG20636.
- b. The term "GRANT FUNDS" means the money provided by the STATE to the GRANTEE in this Agreement.
- c. The term "GRANTEE" means an applicant who has a signed Agreement for the award for GRANT FUNDS.
- d. The term "Other Sources of Funds" means all matching fund sources that are required or used to complete the Project beyond the GRANT FUNDS provided by this Agreement.
- e. The term "STATE" means the State of California, Department of Forestry and Fire Protection (CAL FIRE).
- f. The term "Project" means the development or other activity described in the "Project Scope of Work".
- g. The term "Project Budget Detail" as used herein defines the approved budget plan.
- h. The term "Project Scope of Work" as used herein means the individual scope of work describing in detail the approved tasks.

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2. Project Representatives

The project representatives during the term of the agreement will be:

STATE: CAL FIRE	GRANTEE: County of Siskiyou
Section/Unit: HQ Resource Management/Climate and Energy Program	Section/Unit: N/A
Attention: Nochella Ozard	Attention: Elizabeth Nielsen
Mailing Address: P.O. Box 944246 Sacramento, CA 94244-2460	Mailing Address: 1312 Fairlane Rd. Yreka, CA 96097
Phone Number: (916) 531-7402	Phone Number: (530) 842-8012 Secondary: (530) 842-8005
Email Address: Nochella.ozard@fire.ca.gov	Email Address: enielsen@co.siskiyou.ca.us

Changes to the project representatives during the term of the agreement shall be made in writing. Notice shall be sent to the above representative for all notice provisions of this Agreement.

3. Project Execution

- a. Subject to the availability of grant monies, the STATE hereby grants to the GRANTEE a sum of money (GRANT FUNDS) not to exceed the amount stated on Section I. RECITALS, Paragraph 2 in consideration of and on condition that the sum be expended in carrying out the purposes as set forth in the description of the Project in this Agreement and its attachments and under the terms and conditions set forth in this Agreement.
- b. GRANTEE shall assume any obligation to furnish any additional funds that may be necessary to complete the Project. Any amendment to the Project as set forth in the Application on file with the STATE must be submitted to the STATE for approval in writing. No amendment is allowed until written approval is given by the STATE.

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- c. GRANTEE shall complete the Project in accordance with the time of Project performance set forth in this Agreement, unless an amendment has been approved and signed by the STATE under the terms and conditions of this Agreement. Amendments must be requested in advance and will be considered in the event of circumstances beyond the control of the GRANTEE, but in no event less than 90 days from the Agreement expiration date and in no event less than 60 days before the effective date of the amendment. Approval of amendment is at the STATE's discretion.
- d. GRANTEE certifies that the Project Scope of Work complies with all local, State, and federal laws and regulations.
- e. GRANTEE shall comply with the California Environmental Quality Act (CEQA) (Public Resources Code, Section 21000, et. seq. Title 14, California Code of Regulations, Section 15000 et. seq.) and all other local, State, and federal environmental laws. A copy of the certified CEQA document must be provided to STATE before any GRANT FUNDS are made available for any Project activity that could directly impact the environment (e.g. cutting, piling or burning bush, masticating, dozer work, etc.). CEQA compliance shall be completed within one (1) year from start date of the Agreement. The start date is considered the date the last party signs the Agreement. GRANT FUNDS will be made available in advance of CEQA compliance for project activities that do not have the potential to cause a direct environmental impact (e.g. project planning, locating and marking property or project boundaries, contacting and signing up landowners, etc.).
- f. GRANTEE shall permit periodic site visits by representative(s) of the STATE to ensure program compliance and that work is in accordance with the approved Project Scope of Work, including a final inspection upon Project completion.
- g. GRANTEE, and the agents and employees of GRANTEE, in the performance of this Agreement, shall act in an independent capacity and not as officers, employees, or agents, of the STATE. No person who, as an officer, employee, or agent of the state participated in the preparation or creation of or determination to award this Grant Agreement shall serve as an agent or employee of GRANTEE including but not limited to those acts prohibited by Government Code Sections 1090, and 87100.

4. Project Costs and Payment Documentation

- a. Payment by the STATE shall be made after receipt of an acceptable invoice and approval by a duly authorized representative of the STATE.

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GRANTEE shall submit an invoice for payment to the CAL FIRE Project Representative of the STATE. A final invoice shall be submitted no later than 30 days after completion, expiration, or termination of this Agreement.

- b. For services satisfactorily rendered, and upon receipt and approval of invoices for payment, the STATE agrees to compensate GRANTEE for actual expenditures incurred in accordance with the rates specified herein, which is attached hereto, as Final Project Budget Detail, and made a part of this Agreement.
- c. Equipment purchased using GRANT FUNDS, wholly or in part, must be used by the GRANTEE for the project which it was acquired. STATE retains a vested interest in the equipment for the useful life of the equipment, even after completion of the grant. GRANTEE shall provide written disposition of the equipment upon completion of the grant and upon any changes to the disposition of the equipment. Such disposition must be approved in advance by STATE. Equipment purchased using GRANT FUNDS cannot be used as collateral, financed, or sold without prior written approval from the STATE.
- d. GRANTEE shall submit, in arrears, not more frequently than once a month, and no less than quarterly, an invoice to the STATE for costs paid by GRANTEE pursuant to this Agreement. Each invoice shall contain the following information: the Agreement number, the dates or time period during which the invoiced costs were incurred, expenditures for the current invoice and cumulative expenditures to date by major budget category (e.g., salaries, benefits, supplies, etc.), appropriate supporting documentation, project progress reports, and the signature of an authorized representative of GRANTEE as detailed in the Invoice Guidelines of the California Climate Investments Department of Forestry and Fire Protection Forest Health Program Grant Guidelines 2020-2021.
- e. GRANT FUNDS in this Agreement have a limited period in which they must be expended. All GRANTEE expenditures must occur prior to the end of the Project performance period of this Agreement.
- f. Except as otherwise provided herein, GRANTEE shall expend GRANT FUNDS in the manner described in the Project Budget Detail approved by the STATE. The dollar amount of an item in the Project Budget Detail may be increased or decreased by up to ten percent (10%) of the budget item through reallocation of funds from another item or items, without approval by the STATE; however, GRANTEE shall notify the STATE in writing in project progress reports when any such reallocation is made, and shall identify both the item(s) being increased and those being decreased. Any increase or decrease of an item of more than ten percent (10%) of the budget item must be approved in writing by the STATE before any such

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increase or decrease is made. A formal approved amendment is required to increase the total amount of GRANT FUNDS.

- g. GRANTEE shall promptly submit any and all records at the time and in the form as the STATE may request.
- h. GRANTEE shall submit each invoice for payment electronically to both the appropriate CAL FIRE Forest Health Forester and CNRGrants@fire.ca.gov. Hard copy submissions will not be accepted.
- i. Notwithstanding any of the provisions stated within this Agreement, the STATE may at its discretion make advance payment from the grant awarded to the GRANTEE if GRANTEE is a nonprofit organization, a local agency, a special district, a private forest landowner or a Native American tribe. Advance payment made by the STATE shall be subject to the following provisions.
 - GRANTEE shall submit a written request identifying how funds will be used over a six-month period. The written request must be accompanied by an invoice that contains the same level of detail as a regular invoice.
 - GRANTEE shall file an accountability report with STATE four months from the date of receiving the funds and every four months thereafter.
 - Multiple advance payments may be made to a GRANTEE over the life of a project.
 - No single advance payment shall exceed 25% of the total grant amount and must be spent on eligible costs within six months of the advance payment request. GRANTEE may request additional time to spend advance funds but must be approved in writing by the STATE. The balance of unspent advance payment funds not liquidated within the six-month spending period will be billed for the return of advanced funds to the STATE.
 - All work under a previous advance payment must be fully liquidated via an invoice and supporting documentation and completed to the STATE's satisfaction before another advance payment will be made.
 - Any advance payment received by a GRANTEE and not used for project eligible costs shall be returned to CAL FIRE. The amount will be returned to the grant balance.
 - Advance payments must be deposited into an interest-bearing account. Any interest earned on advance payment funds must be accounted for and used toward offsetting the project cost or returned to the STATE.

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5. Budget Contingency Clause

- a. If STATE funding for any fiscal year is reduced or deleted for purposes of the Forest Health Program California Climate Investments Grant Program, the STATE shall have the option to either cancel this Agreement with no liability occurring to the STATE, or if possible and desirable, offer an Agreement amendment to GRANTEE to reflect the reduced amount available for the Project.

6. Project Administration

- a. GRANTEE shall provide the STATE a written report showing total final Project expenditures and matching funds upon Project completion or grant expiration, whichever occurs first. GRANTEE must report to the STATE all sources of other funds for the Project. If this provision is deemed to be violated, the STATE will request an audit of GRANTEE and can delay the disbursement of funds until the matter is resolved.
- b. GRANTEE shall promptly submit written Project reports as the STATE may request throughout the term of this Agreement.
- c. GRANTEE shall submit a final accomplishment report, final invoice with associated supporting documentation, and copies of materials developed using GRANT FUNDS, including but not limited to plans, educational materials, etc. within 30 days of Project completion.

7. Financial Records

- a. GRANTEE shall retain all records described in Section 7(c) below for three (3) years after final payment by the STATE. In the case an audit occurs, all such records shall be retained for one (1) year from the date is audit is completed or the three (3) years, whichever date is later.
- b. GRANTEE shall maintain satisfactory financial accounts, documents, and records for the Project and make them available to the STATE for review during reasonable times. This includes the right to inspect and make copies of any books, records, or reports of GRANTEE pertaining to this Agreement or matters related thereto.
- c. GRANTEE shall keep such records as the STATE shall prescribe, including, but not limited to, records which fully disclose (a) the disposition of the proceeds of state funding assistance, (b) the total cost of the Project in connection with such assistance that is given or used, (c) the amount and nature of that portion of the Project cost supplied by other sources, and (d) any other such records as will facilitate an effective audit. All records shall be made available to the STATE, other State of California

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agency, or other entity as determined by the State of California for auditing purposes at reasonable times.

- d. GRANTEE shall use any generally accepted accounting system.

8. Research

- a. GRANTEE that receives funding, in whole or in part, in the form of a research grant shall provide for free public access to any publication of a peer-reviewed manuscript describing STATE funded knowledge, STATE funded invention, or STATE funded technology shall be subject to the following conditions:
 - i. GRANTEE is responsible for ensuring that any publishing or copyright agreements concerning peer-reviewed manuscripts fully comply with this section
 - ii. GRANTEE shall report to STATE the final disposition of the peer-reviewed manuscript, including, but not limited to, if it was published, date of publication, where it was published, and, when the 12-month time period from official date of publication expires, where the peer-reviewed manuscript will be available for open access.
- b. For a peer-reviewed manuscript that is accepted for publication pursuant to the terms and conditions of this Agreement, the GRANTEE shall ensure that an electronic version of the peer-reviewed manuscript is available to STATE and on an appropriate publicly accessible repository approved by the state agency, including, but not limited to, the University of California's eScholarship Repository at the California Digital Library, the California State University's ScholarWorks at the Systemwide Digital Library, or PubMed Central, to be made publicly available not later than 12 months after the official date of publication. GRANTEE shall make reasonable efforts to comply with this requirement by ensuring that the peer-reviewed manuscript is accessible on an approved publicly accessible repository, including notifying the state agency that the manuscript is available on a state-agency-approved repository. If the grantee is unable to ensure that his or her manuscript is accessible on an approved, publicly accessible repository, the grantee may comply by providing the manuscript to the state agency not later than 12 months after the official date of publication.
- c. For publications other than those described in (b), including scientific meeting abstracts, GRANTEE shall comply by providing the manuscript to the STATE not later than 12 months after the official date of publication.
- d. The grant shall not be construed to authorize use of a peer-reviewed manuscript that would constitute an infringement of copyright under the

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federal copyright law described in Section 101 of Title 17 of the United States Code and following.

- e. Use of GRANT FUNDS for publication costs, including fees charged by a publisher for color and page charges, or fees for digital distribution are allowable costs but must be within the GRANT FUNDS and item 4 of the agreement.
- f. GRANTEE may request a waiver to the publication requirement if GRANTEE has an existing publication requirement that meets or exceeds the requirements of the research provision. Waiver shall include information on GRANTEE's existing requirements. Approval of the waiver is at STATE's discretion.

9. Project Termination

- a. This Agreement may be terminated by the STATE or GRANTEE upon 30-days written notice to the other party.
- b. If either party terminates the Agreement prior to the completion of the Project, GRANTEE shall take all reasonable measures to prevent further costs to the STATE under the Agreement and the STATE shall be responsible for any reasonable and non-cancelable obligations incurred by GRANTEE in the performance of this Agreement prior to the date of the notice to terminate, but only up to the undisbursed balance of funding authorized in this Agreement.
- c. Failure by GRANTEE to comply with the terms of this Agreement may be cause for suspension of all obligations of the STATE hereunder at the discretion of the STATE.
- d. Failure of GRANTEE to comply with the terms of this Agreement shall not be cause for the suspension of all obligations of the STATE hereunder if in the judgment of the STATE such failure was due to no fault of GRANTEE. At the discretion of the STATE, any amount required to settle at minimum cost any irrevocable obligations properly incurred shall be eligible for reimbursement under this Agreement.
- e. Final payment to GRANTEE may not be made until the STATE determines the Project conforms substantially to this Agreement.

10. Hold Harmless

- a. GRANTEE shall defend, indemnify and hold the STATE, its officers, employees, and agents harmless from and against any and all liability, loss, expense (including reasonable attorney's fees), or claims for injury or damages arising out of the performance of this Agreement but only in

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proportion to and to the extent such liability, loss, expense, attorney's fees, or claims for injury or damages are caused by or result from the negligent or intentional acts or omissions of GRANTEE, its officers, agents, or employees. The duty of GRANTEE to indemnify and hold harmless includes the duty to defend as set forth in Civil Code Section 2778. This Agreement supersedes GRANTEE's right as a public entity to indemnify (see Government Code Section 895.2) and contribution (see Government Code Section 895.6) as set forth in Government Code Section 895.4.

- b. GRANTEE waives any and all rights to any type of express or implied indemnity or right of contribution from the STATE, its officers, agents, or employees for any liability resulting from, growing out of, or in any way connected with or incident to this Agreement.
- c. Nothing in this Agreement is intended to create in the public or in any member of it rights as a third-party beneficiary under this Agreement.

11. Tort Claims

FEDERAL:

The United States shall be liable, to the extent allowed by the Federal Tort Claims Act 28 United States Code 2671-2680, for claims of personal injuries or property damage resulting from the negligent or wrongful act or omission of any employee of the United States while acting within the scope of his or her employment, arising out of this Agreement.

STATE:

The State of California shall be liable, to the extent allowed by law and subject to California Government Code, Title 1, Division 3.6, providing for the filing of tort claims against the State of California, for personal injuries or property damage resulting from the negligent or wrongful act or omission of State of California employees while acting within the scope of his or her employment, arising out of this Agreement.

12. Nondiscrimination

The State of California prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, sex, marital status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program. GRANTEE shall not discriminate against any person on any of these bases.

13. Conflict of Interest

GRANTEE or anyone acting on behalf of GRANTEE shall not have any conflicting personal and/or financial interests in carrying out the duties of the Agreement.

14. Incorporation

The grant guidelines and the Project Scope of Work, Project Budget Detail and any subsequent amendments or modifications to the Project Scope of Work and Project Budget Detail approved in writing by the STATE are hereby incorporated by reference into this Agreement as though set forth in full in this Agreement.

15. Severability

If any provision of this Agreement or the Project Scope of Work thereof is held invalid, that invalidity shall not affect other provisions or applications of this Agreement which can be given effect without the invalid provision or application, and to this end the provisions of this Agreement are severable.

16. Waiver

No term or provision hereof will be considered waived by either party, and no breach excused by either party, unless such waiver or consent is in writing and signed on behalf of the party against whom the waiver is asserted. No consent by either party to, or waiver of, a breach by either party, whether expressed or implied, will constitute consent to, waiver of, or excuse of any other, different, or subsequent breach by either party.

17. Assignment

This Agreement is not assignable by GRANTEE either in whole or in part.

ADDENDUM – FOREST HEALTH GRANT PROJECTS

I. SPECIAL PROVISIONS

1. Grant funds shall be used on projects with the primary goal of reducing greenhouse gases (GHGs) and furthering the purposes of California’s Global Warming Solutions Act of 2006, Division 25.5 (commencing with Section 38500) of the Health and Safety Code, and related statutes.
2. Grantee shall report project and benefits information when requested by the State. This may include, but is not limited to, funding expended, acres treated, GHG emissions, trees planted, disadvantaged community benefits, energy/water savings, job creation, and other co-benefits.
3. Grantee shall maintain accurate and detailed records documenting project description, project location, and schedule, state dollars allocated, and leveraged funds throughout the duration of the project.
4. Failure of Grantee to meet the agreed upon terms of achieving required GHG reduction may result in project termination and recovery of funds.

II. MONITORING AND REPORTING REQUIREMENTS

All Forest Health Grant projects are subject to emissions reporting and requirements. Grantee is expected to provide the appropriate materials for completing program quantification methodology. Grantee shall use the current reporting template provided by the STATE. The reporting shall be submitted to the STATE no less frequently than quarterly. In addition, STATE may request additional information in order to meet current GHG emissions quantification methodology requirements.

III. PROGRAM ACKNOWLEDGEMENT/RECOGNITION

All Forest Health Grant projects must clearly display, identify and label themselves as being funded by CAL FIRE. Acknowledgements must contain the CAL FIRE logo as well as the following statement:

“Funding for this project provided by the California Department of Forestry and Fire Protection’s Forest Health Program.”

A draft of the acknowledgement must be approved by the STATE prior to publication. For stationary projects, acknowledgement may include, but is not limited to, a sign on the project site. For other project types, such as vehicles, equipment, and consumer-based incentives, acknowledgement is encouraged by using a decal, sticker or other signage.



Forest Health Program 2021 Direct Award Application



Project ID	20-FH-SKU-010
Applying Organization	County of Siskiyou
Project Title	McKinley Scott Fuel Reduction Project

Brief Project Description
The McKinley Scott Fuel Reduction project occurs in central Siskiyou County on Scott Bar Mtn. and adjoining ridges above the Mill Creek watershed, between the Scott and Klamath Rivers approximately 10 miles west of Yreka, CA. It will use understory burning, herbicides, mastication, thinning and chipping to create fuel breaks joining the existing Craggy project along strategic ridges. The project goals include community protection, forest health and resilience, and wildlife habitat maintenance.

County	Siskiyou
Project Latitude and Longitude	41.7332, -122.9193
Project Start Date (MM/DD/YYYY)	10/18/2021
Project End Date (MM/DD/YYYY)	03/31/2026
Grant Funding Requested	4996502
Total Project Cost	\$5,915,247
Organization Type	Local Government
If other, please specify	
If Non-Profit, is the organization a registered 501 (c)(3)?	
Title	
First Name	Elizabeth
Last Name	Nielsen
Address 1	1312 Fairlane Rd.
Address 2	
City	Yreka
State	California
Zip Code	96097
Phone Number	530-842-8012
Secondary Phone Number	530-842-8005
Email Address	enielsen@co.siskiyou.ca.us
Fuels Reduction	Yes
Acres of fuels reduction	3260
Prescribed Fire	Yes
Acres of prescribed fire	619



Forest Health Program 2021 Direct Award Application



Project ID 20-FH-SKU-010
Applying Organization County of Siskiyou
Project Title McKinley Scott Fuel Reduction Project

Pest Management No
 Acres of pest management
 Biomass Utilization Yes
 Acres of biomass utilization 224
 Tons of biomass utilized 1675
 Reforestation No
 Acres to be reforested

Trees planted
 How many acres of project area are under federal ownership? 669
 How many acres of the project area are under state ownership? 0
 How many acres of the project area are privately owned? 1827

Number of acres under other ownership 0
 Specify "other" ownership
 Uneven-aged Management Yes
 Management Plan No

Specify Management Plan
 Existing Carbon Offset No



Forest Health Program 2021 Direct Award Application



Project ID
Applying Organization
Project Title

20-FH-SKU-010
County of Siskiyou
McKinley Scott Fuel Reduction Project

Describe Offset Project

Matching Source of Funding #1 N/A
Amount of Funding #1

Matching Source of Funding #2
Amount of Funding #2

Matching Source of Funding #3
Amount of Funding #3



Forest Health Program 2021 Direct Award Application



Project ID 20-FH-SKU-010
Applying Organization County of Siskiyou
Project Title McKinley Scott Fuel Reduction Project

Reducing Wildfire Risks to Ecosystem Services TRUE

Action #1: Reducing Wildfire Risks to Ecosystem Services All treatment areas are within priority 3 or 4 landscapes.
 Restoring Fire Damaged Areas False

Action #2: Restoring Fire Damaged Areas TRUE
 Restoring Pest Damaged Areas

Action #3: Restoring Pest Damaged Areas All treatment areas are within Tier 1 and 2 HHZ landscapes.
 Reducing Wildfire Threat to Communities False



Forest Health Program 2021 Direct Award Application



Project ID	20-FH-SKU-010
Applying Organization	County of Siskiyou
Project Title	McKinley Scott Fuel Reduction Project

Action #4: Reducing Wildfire Threat to Communities

The project does not overlap a priority area

False



Forest Health Program 2021 Direct Award Application



Project ID
Applying Organization
Project Title

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County of Siskiyou
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Climate Refugia

N/A



Forest Health Program 2021 Direct Award Application



Project ID	20-FH-SKU-010
Applying Organization	County of Siskiyou
Project Title	McKinley Scott Fuel Reduction Project

Co-benefits	Co-benefits for this project include reduced fire risk and facilitated fire suppression, biomass diverted from landfill, bioenergy, benefits to local economy, and jobs supported. Social and economic benefits include revenue and jobs provided for Siskiyou County.
Jobs Supported	Yes
Total Full-time Jobs Supported by Project Budget	80.1
Total Full-time Jobs Supported by Project CCI Funds	67.7
Full-time Jobs DIRECTLY Supported	33.5
Full-time Jobs INDIRECTLY Supported	14.4
Full-time INDUCED Jobs	19.7
CARB's Job Co-benefit Modeling Tool Determined project serves a priority population	
These will be ground-truthed via GIS & do not need to be scored	TRUE
Step 2: Address a Need	2D. Alternative Approach - Refer to list in CARB's Funding Guidelines



Forest Health Program 2021 Direct Award Application



Project ID
Applying Organization
Project Title

20-FH-SKU-010
County of Siskiyou
McKinley Scott Fuel Reduction Project

Describe identified community or household need(s) identified using the approach above.

This project will provide much needed community benefits by enhancing forest resiliency across a large landscape. Our forests provide valuable ecosystem services and drive the local economy. This project will reduce stand densities and hazardous fuels to protect them from wildfire, drought, and disease. It will also reduce public health issues related to wildfire smoke. Focusing our treatments on ridgetops will provide important anchor points for both prescribed fire and suppression operations.

Step 3: Provide a Benefit

3C. Significantly reduces fire risk to households within one or more disadvantaged/low-income communities

Describe the Benefit

The project is designed to improve defensibility to wildfire to the nearby communities of Yreka, Fort Jones, Scott Bar, Klamath River, and Hawkinsville, while improving fire resiliency on approximately 2,477 acres. The vast majority of our project area is located in low-income communities, as defined by CARB and AB 1550. The project supports the Yreka and County-wide CWPPs. The fuels treatment aims to protect communities while providing fire resiliency across the landscape to protect resources.

Identify specific plans that the project supports



Forest Health Program 2021 Direct Award Application



Project ID
Applying Organization
Project Title

20-FH-SKU-010
County of Siskiyou
McKinley Scott Fuel Reduction Project

Identify the contact(s) at the local CAL FIRE Unit(s) that has/have been briefed on this proposed project.
Is this project an identified regional priority?

Phillip Anzo, SKU Unit Chief, Phillip.Anzo@fire.ca.gov;
Steve Wilson, SKU Unit Forester, Steve.Wilson@fire.ca.gov;
Damon Denman, SKU Forest Practice Inspector,
Damon.Denman@fire.ca.gov;
Bill Stirton, SKU Scott Valley Battalion Chief, 530-598-2611;
Jake Burgess, SKU Pre-Fire Engineer, Jake.burgess@fire.ca.gov
No



Forest Health Program 2021 Direct Award Application



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McKinley Scott Fuel Reduction Project

Discuss relationship to these regional groups.

Community Engagement Low



Forest Health Program 2021 Direct Award Application



Project ID	20-FH-SKU-010
Applying Organization	County of Siskiyou
Project Title	McKinley Scott Fuel Reduction Project

Primary project partner #1	Dan Blessing, Project Manager, Scott Valley Resource Conservation District
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Role in project	Manage grant, solicit bids and award contracts, submit invoices, prepare reports.
Email	db.blessing@gmail.com

Primary project partner #2	Sam Wheeler, Forester II, RPF #3104, Michigan-California Timber Co.
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Role in project #2	Prepare CEQA docs, field layout, contract approval, inspect work for regulatory and environmental compliance, monitor results, represent landowner.
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Email #2	swheeler@timberproducts.com
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Primary project partner #3	Clint Isbell, Fire Ecologist, USDA Forest Service Klamath NF
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Forest Health Program 2021 Direct Award Application



Project ID
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20-FH-SKU-010
County of Siskiyou
McKinley Scott Fuel Reduction Project

Role in project #3
Email #3

Field layout of burn projects, fuel reduction prescription development, manage burning operations, monitor results, represent the Forest.
Clinton.Isbell@usda.gov

Primary project partner #4

John Kessler, Forester 2, RPF #2494, FWS Forestry Services, LLC. Prepare CEQA docs, field layout, contract approval, inspect work for regulatory and environmental compliance, monitor results, represent landowner (Acer Klamath Forests, LLC) .
John.kessler@fwsforestry.com
\$124,434,222

Role in project #4
Email #4

Annual operating budget

Full Name
Executed on (MM/DD/YYYY)
Submitter Email
Member
State
Created
Updated

John
05/18/2021
jkforestry@gmail.com
Approved
44334.94512
44334.94512

Kessler

Introduction

Over the past decade, wildfire size, intensity and severity have increased throughout the western United States, including in the Klamath Mountains region of Northern California (Miller et al. 2012). While wildfire is a natural and fundamental ecological process that has shaped the forested landscapes of this region for millennia, climate change and excessive fuel loading is contributing to a higher rate of ecologically destructive wildfires (California State Board of Forestry and Fire Protection, 2018). Beyond the ecological toll that present-day wildfires commonly take on the environment, there is a tragic cost to our communities. Since 2014, in California, hundreds of lives were lost to wildfire and over 50,000 structures were damaged or destroyed (CAL FIRE, 2021). We are in a devastating pattern of wildfire across our State.

The proposed 2,477-acre McKinley Scott Fuel Reduction Project will contribute to shifting this paradigm. It is located along the prominent Scott Bar Ridge in the vicinity of the communities of Scott Bar, Klamath River, Horse Creek, Fort Jones and adjacent rural residences and is an extension of the Craggy Project. The Craggy and McKinley Scott Projects, combined with future partnership planning for additional phases, will implement strategically located, cross-ownership, landscape-level fuels and stand density reduction work using pre-commercial and commercial thinning from below, mastication, prescribed fire, and directed herbicide application. The project will also monitor treatment effectiveness and effects on the local Pacific fisher (*Pekania pennanti*) population.

The negative effects of increasingly severe wildfires paired with the motivation to be proactive about preventing more losses inspired this public-private partnership. Siskiyou County (SisCo), the grant applicant and funding manager will work closely with the Shasta Valley Resource Conservation District (SVRCD) to manage the grant. SVRCD will also act as lead agency and contracting organization. Klamath National Forest (KNF) will implement the prescribed fire treatments and monitoring on their lands and will also lead the NEPA compliance. Acer Klamath Forests, LLC (AKF) through FWS Forestry Services-California, LLC (FWS) and Michigan-California Timber Company (MCTC) will implement the thinning, mastication, and herbicide treatments and post-treatment monitoring on their lands. They will also assist in the CEQA preparation and compliance. Oregon State University (OSU) will lead the wildlife monitoring. Furthermore, despite not being a partner, the U.S. Fish and Wildlife Service (FWS) Yreka Office has been an integral collaborator, working in-step with the project partners to develop this proposal.

Project Description

The project partners designed the treatments to 1) improve forest health and resilience to severe wildfire, drought, disease, and pests, 2) reduce wildfire risk for nearby communities and infrastructure, 3) facilitate fire suppression operations, 4) increase long-term Carbon capture and storage to ensure treated and adjacent forested areas remain net sinks of Carbon and continue to provide an abundance of ecosystem and societal benefits. These are primary goals of the 2018 Strategic Fire Plan for California and the last is a primary goal of the California Forest Carbon Plan, California Natural and Working Lands Implementation Plan and Global Warming Solutions Act of 2006. Siskiyou County recently signed a Master Stewardship agreement with the Klamath National Forest with the joint objectives of creating a more resilient landscape and protecting communities from wildfire. This project meets both objects by providing the KNF with resources to implement critical prescribed burning.

While the current proposal includes 2,477-acres of treatment, in its entirety, the McKinley Scott Fuel Reduction Project will involve multiple phases within a 114,921-acre project area. It is continuing the fuels treatments of the 12,000-acre Craggy Project to expand critical fuel breaks and build sustainable fuel conditions west of the community of Yreka. Much of the Craggy Project, which was partially funded by a 2017 CAL FIRE CCI Forest Health grant, has been completed. Although the McKinley Scott Fuel Reduction Project is approximately 10 miles west of Yreka, which has a population of nearly 8,000, it could protect this City from the threat of wildfire, considering that the Carr Fire's point of origin was approximately 10 miles west of Redding. Subsequent phases of this project will extend into Wildland-Urban Interface areas designated by FRAP as mid- to high-priority for reducing wildfire threats to these communities. Future activities will also focus on extending fuel treatments west along Scott Bar Ridge, and down secondary ridges toward the Klamath and Scott Rivers.

The proposed fuels management activities are designed to promote resilient forest conditions and reduce the risk of stand-replacing wildfires. Our work will also offer land managers a unique opportunity to gain and share insights about how the local fisher population responds to fuels reduction work relative to

how it responded to the nearby 2014 Beaver Fire that burned 32,493 acres of public and private forests. Adjacent to the McKinley Scott Fuel Reduction Project area, in the period 2014–2020 large wildfires including the 2019 Lime, 2018 Klamathon, 2017 Abney, 2016, Gap, 2014 Frying Pan, and 2014 Beaver, burned nearly 300,000 acres of forests and communities, including numerous structures and critical infrastructure. Listed species including but not limited to the northern spotted owl, Siskiyou Mountain salamander, and Scott Bar salamander suffered significant habitat impacts.

This Project will treat the flanks and headwaters of the Mill Creek watershed, a tributary to Scott River, which is designated by FRAP as 4 out of 5 on the Priority Landscape risk scale for focusing work that reduces wildfire risk to forest resources and ecosystem services. A majority of our 114,921-acre project influence zone is within areas designated by FRAP as 3 and 4 on the Priority Landscape risk scale for reducing wildfire risk to ecosystem services. The entirety of the project footprint and the vast majority of the entire project area are within the Tier 2 High Hazard Zones for restoring pest and drought damaged areas. The project also encompasses several areas designated by FRAP as Tier 1 High Hazard Zones. This project will reduce or maintain stand densities, building resiliency to drought and insect attack to the forests within and adjacent to our project footprint. This project is consistent with the fuel treatment priorities in the Siskiyou County CWPP. It reduces hazardous fuels in order to protect life safety, property and resources by combining efforts and resources to promote more effective treatments.

The McKinley Scott Fuel Reduction Project is located within both CAL FIRE SKU State Responsibility Area and Federal Responsibility Areas that are designated as a Very High Fire Hazard Severity Zone. It is also included in the CAL FIRE Siskiyou Unit Fire Plan. Future phases of the McKinley Scott Fuel Reduction Project have the potential to connect with the Etna Fuel Break that is in progress on EcoTrust Forests II, LLC property west of Scott Valley (funded by CAL FIRE's Forest Health Program).

The majority of our project area is adjacent to low-income communities, as defined by the California Air Resources Board and Assembly Bill 1550. By reducing fire risk to the aforementioned communities, our project will provide direct, meaningful and assured benefits to disadvantaged populations of our county. Additionally, almost all of the project partners live and work in these communities. We will prioritize local contractors to implement this work, stimulating the local economy.

Treatment Prescriptions

McKinley Scott Fuel Reduction Project treatments include prescribed fire, mastication, pre-commercial and commercial biomass thinning, pruning, pile burning and directed herbicide application. The treatment prescriptions will reduce hazardous fuel loads and horizontal and vertical fuel connectivity within the project footprint and facilitate future maintenance of these treatments. Fuel treatment width and prescriptions are designed to promote surface fire, limiting crown fires and spotting. Treatments will reduce fire behavior along strategic ridgetops to support future wildfire defense and prescribed fire opportunities. The treatments are designed to last at least 10 years and up to 20 years with maintenance understory treatments. They are designed to be used to locate control lines during suppression activities with minimal time and effort, therefore precluding the need to construct alternative high impact lines in more sensitive locations.

Understory surface and ladder fuels will be treated with the objective to limit surface fire with flame lengths of four-feet or less in order to facilitate direct suppression operations and reduce the risk of crown fire initiation. This will be done by reducing fuels to less than five tons per acre in the treatment areas. The intensity of these treatments will vary widely and depend on site specific conditions across the project area. Generally, treatments will be focused on reducing slash and dead branch accumulations, and removing low lying shrubs that may mature into ladder fuels in the foreseeable future. The objective of ladder fuel treatments is to increase canopy base heights, creating a separation between surface fuels and canopy fuels of no less than six-feet and up ten-feet, dependent on site specific conditions. We expect this separation will limit the potential of crown fire initiation (Agee, 1996). Treatments will focus on the removal of young and/or suppressed advanced regeneration tree species less than 10-inch diameter at breast height, removing slash and jackpot accumulations, removing medium and large shrubs where they contribute to vertical and horizontal fuel continuity and removing lower branches from residual trees.

The objective of our canopy and mid-canopy fuel treatments is to increase horizontal spacing between the outer extents of live crowns (i.e. drip line) of residual trees to a distance of ten- to thirty-feet. This treatment is expected to favorably alter fire behavior in a way that will reduce the likelihood of a running or active crown fire and limit aerial fuel ignitions to isolated torching (Agee et al. 2005).

In selectively managed forest stands on private timberlands, directed herbicide application, rather than broadcast application, will be used to prolong the efficacy of the proposed fuels reduction work, and to help restore native forest species composition. Directed herbicide application will also be used in established mixed-conifer plantations on private timberlands to reduce competition between on-site conifers and brush species in order to accelerate the development of canopy base heights and reduce ladder fuels that limit the potential of crown fire initiation. Broadcast herbicide application is not proposed in this project.

Maintenance of treatments will rely on the utilization of prescribed fire, mechanical or chemical treatments at regular intervals into the future. Partners will work across all lands to maintain a regular interval of prescribed fire where feasible.

Monitoring

We will use a combination of plot-based, quantitative monitoring protocols as well as pre- and post-treatment photo points to evaluate and report treatment effectiveness. We will collect post-treatment stand measurements from established plot locations measuring basal area stocking, quadratic mean diameter of the residual stands, and approximate spacing of fuels (horizontal and vertical separation) and surface fuel loading. The measurements are designed to assess whether the treatments meet the fuels specific prescriptions of reducing surface fuel loading, ladder fuels, and canopy spacing. The data will also be useful if a fire occurs to evaluate the effectiveness of the treatments to actual wildfire conditions. KNF will monitor prescribed fire underburn areas for 5 or more years post-treatment to determine initial and delayed mortality effects and if burn prescriptions targets were met.

Additionally, we will monitor the short-term impact of fuels-management activities on the density of fisher on the KNF and MCTC and AKF timberlands. We will monitor fisher densities pre- and post-treatment using non-invasive, genetic-based survey techniques and spatial-capture recapture analyses (Green et al. 2018) that have been implemented annually between September and December since 2006. Fishers are a forest carnivore of conservation concern and a cultural resource for Tribal communities and the effects of landscape-level fuels reduction treatments on fishers are largely unknown (California Department of Fish and Wildlife [CDFW] 2015b). An assessment of the population-level effects of fuels management on fishers in Northern California is needed to assist in project planning and the development of decision-support tools and will be imperative for the conservation of the species (CDFW 2015b, FWS 2020). The monitoring history also offers an opportunity to investigate differences among the effects of the mixed-severity 2014 Beaver Fire and short-term impacts of fuels treatments on the same population of fishers. Ultimately, our goal is to better understand and provide decision-support tools for managers to consider the potential short-term tradeoffs between fuels-management activities, wildfire severity, and fisher persistence.

Post-treatment monitoring of species of conservation concern is consistent with the goals of the Forest Health Program and California's climate goals as outlined in California Forest Carbon Plan (pages 6, 119-120) that calls for working forests be managed to maintain forest health and biodiversity, California's Natural and Working Lands Implementation Plan (pages 4, 6, 31, Appendix A) that calls for an integrated multi-benefit approach that considers ecosystem services and biodiversity, the Global Warming Solutions Act of 2006 (sections 38501.h, 38561.d, 38562.b6) that calls for reductions in greenhouse gas emissions in a way that improves the environment and natural resources, and in Governor Brown's Executive Order B-54-18 (entire) that calls for actions to protect California's biodiversity from climate change.

Regulatory Mechanisms

All of the environmental compliance documentation is complete for the work proposed on Federal lands. The environmental compliance on the private timberlands is in process and will be completed within one year of the execution of the grant agreement.

Proposed treatments on KNF lands have already undergone and passed the rigorous review process defined in the National Environmental Policy Act, and are ready to implement from a regulatory standpoint. A majority of treatments on AKF and MCTC lands, because they are non-commercial, will rely on a Notice of Exemption (NOE) document to satisfy California Environmental Quality Act requirements. Two separate Environmental Review Report Forms (ERRF) for an Exempt Project have been prepared by FWS Forester John Kessler, RPF #2494, and MCTC Forester Sam Wheeler, RPF #3104 for approval outlining the proposed measures and ensuring the project avoids adverse impacts to soil health, water quality, biological and botanical resources, Native American cultural sites, historical sites, recreation and

other resource values. SVRCD will act as lead agency and will review, approve and submit the NOE documents to SisCo for filing.

FWS and MCTC will utilize these and subsequent NOE documents to satisfy CEQA, but may also utilize other CEQA-equivalent documents to do so (e.g. Timber Harvest Plan, Notice of Emergency Timber Operations, 1038 Exemption). For example, MCTC will file a Forest Fire Prevention Exemption for 223 acres of commercial thinning from below treatments. This document satisfies CEQA and is for the purpose of cutting and removing of trees to eliminate the vertical continuity of vegetative fuels and the horizontal continuity of tree crowns; further outlined in 14 CCR§ 1038.3 of the California Forest Practice Rules.

Conclusion

The Klamath Mountains are a notoriously fire-prone landscape. Each year we see large swaths of this richly diverse land lost to devastating fire events. We all feel the urgency and duty to work proactively to buffer the McKinley Scott region of the Forest from the same fate that so many areas of the Klamath have succumbed to. The fuels reduction work from this Project will build upon the success of the CAL FIRE CCI-supported Craggy Project. It will help protect important headwaters of many tributaries to the Klamath River, the lifeblood of our region. It will maintain and enhance wildlife habitat for keystone species of conservation concern that are not only vital to healthy ecosystems but have indispensable cultural values to local Tribes. At the same time, it will buffer our rural communities from impending wildfire threats as well as promote healthy forests that are resilient to the onslaught of disturbances they face such as drought, pathogens, and wildfire, while sequestering and storing Carbon.

The diverse partnership that has formed around these goals exemplifies the importance of this project as it is supported across boundaries, agencies, and companies. We are dedicated to work collaboratively with CAL FIRE to benefit the local forests, disadvantaged rural communities, and forest resource-based economies. These days, more than ever, we need to work together to prevent catastrophic events that cause irreparable damage and rather and responsibly manage our lands for the health and prosperity of our landscapes and communities.

Citations

Agee, J.K. 1996. The Influence of Forest Structure on Fire Behavior. Proceedings of the 17th annual forest vegetation management conference, 52-68.

Agee, J.K., Skinner, C.N. 2005. Basic Principles of forest fuel reduction treatments. *Forest Ecology and Management* 211: 83-96.

CAL FIRE. 2014-2020 Historical Wildfire Activity Statistics. Accessed: April 15, 2021. California Department of Forestry and Fire Protection. Sacramento, California, USA.

California State Board of Forestry and Fire Protection. 2018 Strategic Fire Plan for California, State Board of Forestry and Fire Protection. Sacramento, California, USA.

California Department of Fish and Wildlife. 2015b. Report to the Fish and Game Commission a status review of the fisher (*Pekania* [formerly *Martes*] *pennanti*) in California. California Department of Fish and Wildlife, Sacramento, California, USA

Green, D. S., S. M. Matthews, R. C. Swiers, R. L. Callas, J. Scott Yaeger, S. L. Farber, M. K. Schwartz, and R. A. Powell. 2018. Dynamic occupancy modelling reveals a hierarchy of competition among fishers, grey foxes and ringtails. *Journal of Animal Ecology* 87:813–824.

Miller, J. D., C. N. Skinner, H. D. Safford, and E. E. Knapp. 2012. Trends and causes of severity, size, and number of fires in northwestern California, USA. *Ecological Applications* 22:184–203

CAL FIRE Tracking # 20-FH-SKU-010
 Project Title: McKinley Scott Fuel Reduction

CAL FIRE Forest Health Program
California Climate Investments

Siskiyou County

(Required from all applicants.

For Research Program applicants with two-phase projects, use this sheet for Phase 1 budget only.)

Worksheet 1A: Grant Info

Budget Item	Description	Units (if applicable)	Rate (if applicable)	CAL FIRE Grant Share	Program Income	Grantee Match	Total
A. Salaries and Wages							
<i>(Job title/Classification/Role)</i>		<i>(# hours)</i>	<i>(\$/hour)</i>	60,000.00	-	-	60,000.00
Siskiyou County Natural Resource Manager	Manage grant submissions and payments	1200	\$50/hour	60,000.00			60,000.00
B. Employee Benefits							
<i>(Job title/Classification/Role)</i>		<i>(# hours)</i>	<i>(\$/hour)</i>	-	-	-	-
C. Contractual							
<i>(Role in project)</i>		<i>(e.g., # hours, # acres, # BDT)</i>	<i>(e.g., \$/hour, \$/acre, \$/BDT)</i>	\$4,093,910.00	\$75,375.00	\$755,777.00	\$4,925,062.00
RPF - FWS	Prepare CEQA documents; supervise contractors & company staff as appropriate; produce invoices, quarterly reports, and grant closeout report for AKF owned timberlands	1,000 hours	\$90/hr	\$0.00	\$0.00	\$90,000.00	\$90,000.00
RPF - MCTC	Prepare CEQA documents; supervise contractors & company staff as appropriate; produce invoices, quarterly reports, and grant closeout report for MCTC owned timberlands	1,000 hours	\$90/hr	\$0.00	\$0.00	\$90,000.00	\$90,000.00
Forestry technician FWS	Field Layout on AKF owned timberlands	120 hours	\$60/hr	\$0.00	\$0.00	\$7,200.00	\$7,200.00

Forestry technician - MCTC	Field Layout on MCTC owned timberlands	120 hours	\$60/hr	\$0.00	\$0.00	\$7,200.00	\$7,200.00
Biologist	Sensitive species surveys and reports	150 hours	\$75/hr	\$0.00	\$0.00	\$11,250.00	\$11,250.00
Biology technician (2)	Species surveys	300 hours	\$60/hr	\$0.00	\$0.00	\$18,000.00	\$18,000.00
FGS Heavy Equipment Operator	Operates FGS masticator on AKF owned timberlands	500 hours	86.99	\$0.00	\$0.00	\$43,495.00	\$43,495.00
FGS Heavy Equipment Assistant	Operate service truck, fire watch on AKF owned timberlands	500 hours	76.56	\$0.00	\$0.00	\$38,280.00	\$38,280.00
Reforestation Forester FWS	Supervise herbicide contractor on AKF owned timberlands	80 hours	\$90/hr	\$0.00	\$0.00	\$7,200.00	\$7,200.00
Reforestation Forester MCTC	Supervise herbicide contractor on MCTC owned timberlands	80 hours	\$90/hr	\$0.00	\$0.00	\$7,200.00	\$7,200.00
Mastication	2 to 3 contractors/year will be hired to masticate brush, dead trees, and small green trees. Anticipated employment is 5-9 personnel.	533	\$1600/ac	\$852,800.00		\$852,800.00	\$852,800.00
Herbicide application	1 contractor will be hired to hand spray the selected brush stands. Anticipated employment is 6 personnel.	1,512	\$150/acre	\$226,800.00		\$226,800.00	\$226,800.00
Pre-commercial thinning	1 to 2 contractors/year will be hired to cut brush, dead trees and small green trees. Anticipated employment is 6-15 personnel.	240	\$1000/acre	\$240,000.00		\$240,000.00	\$240,000.00
Rx burn assistance	Hire a contractor to assist in burn preparation activities and implementation of Rx burn (KNF will provide all resources to burn additional 800 acres)	250	\$600/acre	\$150,000.00	\$400,000.00	\$550,000.00	\$550,000.00

Thinning-Chipping with partial biomass removal	1 to 2 contractors/year will be hired to chip smaller downed material from thinning. Anticipated employment is 6-12 personnel.		1,097 \$2200/acre	\$2,413,400.00	\$75,375.00	\$2,488,775.00
Lowbed	Transport excavator as necessary	16 Haul trips in/ 16 trips out	\$160/hour	\$ 40,960		\$40,960.00
Shasta Valley RCD	Project management including Lead Agency for CEQA, report writing, contracts, inspection, invoicing, and monitoring		\$56,650/year	\$169,950		
FGS Excavator operation on AKF owned timberlands		40	\$898.80/day		\$35,952.00	\$35,952.00
-						
D. Travel		<i>(e.g., # miles)</i>	<i>(e.g., \$/miles)</i>	5,600.00	-	33,600.00
Project Manager		10,000 miles	\$0.56/mile	\$5,600.00		\$5,600.00
RPF - FWS		12,000 miles	\$0.56/mile		\$6,720.00	\$6,720.00
RPF - MCTC		12,000 miles	\$0.56/mile		\$6,720.00	\$6,720.00
Forestry technicians FWS		6,000 miles	\$0.56/mile		\$3,360.00	\$3,360.00
Forestry technicians MCTC		6,000 miles	\$0.56/mile		\$3,360.00	\$3,360.00
Biologist		5,000 miles	\$0.56/mile		\$2,800.00	\$2,800.00
Biology technicians		10,000 miles	\$0.56/mile		\$5,600.00	\$5,600.00
Heavy Equipment Operator & Assistant		6,000 miles	\$0.56/mile		\$3,360.00	\$3,360.00
Reforestation Forester FWS		1,500 miles	\$0.56/mile		\$840.00	\$840.00
Reforestation Forester MCTC		1,500 miles	\$0.56/mile		\$840.00	\$840.00
-						
E. Supplies				975.00	-	1,875.00
Boundary Flagging		720 rolls	\$1.75/roll		\$1,260.00	\$1,260.00
Watercourse & STZ Flagging		60 rolls	\$2.50/roll		\$150.00	\$150.00
Sample Marking Paint		100 cans	\$4.65/can		\$465.00	\$465.00
CEQA filing fees		15 Documents	\$65/document	975.00		975.00
-						
F. Equipment				-	-	-
-						

					-	
G. Other			716,942.00	-	52,118.00	769,060.00
Wildlife Monitoring	Monitoring of impacts on sensitive species (i.e. fisher)		\$416,942.00		\$52,118.00	\$469,060.00
	Monitoring effectiveness of fuel treatments regarding vertical and horizontal spacing of residual fuel					
Effectiveness Monitoring	components		\$300,000.00			\$300,000.00
						-
TOTAL DIRECT COSTS			4,877,427.00	75,375.00	843,370.00	5,796,172.00
INDIRECT COSTS		(12% max for CAL FIRE Grant Share and Program Income, excluding equipment)				
County Administrative costs		\$40,000/year	\$120,000			120,000.00
TOTAL GRANT PROPOSED COSTS			4,997,427.00	75,375.00	843,370.00	5,840,797.00

CAL FIRE Tracking # 20-FH-SKU-010
 Project Title: McKinley Scott Fuel Reduction

CAL FIRE Forest Health Program
California Climate Investments

Siskiyou County

(Forest Health: Required for all applicants.

Research and Forest Legacy: Complete this worksheet only if field treatments will be implemented using grant funds.)

Worksheet 2: Treatment Areas

Applicant: _____

Application ID: _____

List only one ownership type and only one treatment type per row. You may need to list each area more than once.

Add more rows if needed. All treatment areas must be included.

See Reference Tables for input options -->

TreatmentNumber	TreatmentArea	OwnershipType	Acreage	Treatment Objective	Treatment Activity	StatusNEPA	StatusCEQA	LeadAgency	GrantFunds	MatchingFunds
1	Scott Bar Ridge 1	Private (industrial forestry)	119	Fuels reduction	Herbicide application	N/A	In progress	Shasta Valley RCD	\$ 17,850.00	\$ -
2	Scott Bar Ridge 1	Private (industrial forestry)	19	Fuels reduction	Thinning	N/A	In progress	Shasta Valley RCD	\$ 41,800.00	\$ -
3	Scott Bar Ridge 1	Private (industrial forestry)	116	Fuels reduction	Mastication	N/A	In progress	Shasta Valley RCD	\$ 185,600.00	\$ -
4	Scott Bar Ridge 2	Private (industrial forestry)	241	Fuels reduction	Herbicide application	N/A	Not started	Shasta Valley RCD	\$ 36,150.00	\$ -
5	Scott Bar Ridge 2	Private (industrial forestry)	854	Fuels reduction	Thinning	N/A	Not started	Shasta Valley RCD	\$ 1,878,800.00	\$ -
6	Scott Bar Ridge 2	Private (industrial forestry)	95	Fuels reduction	Mastication	N/A	Not started	Shasta Valley RCD	\$ 152,000.00	\$ -
7	FGS Roadside Clearance	Private (industrial forestry)	82	Land protection	Mastication	N/A	N/A	Shasta Valley RCD	\$ -	\$ 121,087.00
8	MCTC Mill Creek 1	Private (industrial forestry)	900	Fuels reduction	Herbicide application	N/A	In Progress	Shasta Valley RCD	\$ 135,000.00	\$ -
9	MCTC Mill Creek 1	Private (industrial forestry)	76	Fuels reduction	Biomass removal	N/A	Complete	Shasta Valley RCD	\$ 167,200.00	\$ -
10	MCTC Mill Creek 1	Private (industrial forestry)	277	Fuels reduction	Mastication	N/A	In progress	Shasta Valley RCD	\$ 443,200.00	\$ -
11	MCTC Mill Creek 1	Private (industrial forestry)	160	Fuels reduction	Thinning	N/A	In progress	Shasta Valley RCD	\$ 160,000.00	\$ -
12	MCTC Mill Creek 2	Private (industrial forestry)	252	Fuels reduction	Herbicide application	N/A	In progress	Shasta Valley RCD	\$ 37,800.00	\$ -
13	MCTC Mill Creek 2	Private (industrial forestry)	148	Fuels reduction	Biomass removal	N/A	In progress	Shasta Valley RCD	\$ 325,600.00	\$ -
14	MCTC Mill Creek 2	Private (industrial forestry)	45	Fuels reduction	Mastication	N/A	In progress	Shasta Valley RCD	\$ 72,000.00	\$ -
15	MCTC Mill Creek 2	Private (industrial forestry)	80	Fuels reduction	Thinning	N/A	In progress	Shasta Valley RCD	\$ 80,000.00	\$ -
16	KNF Fuel Reduction	USFS	650	Prescribed fire	Understory burn	Complete	N/A	Forest Service	\$ 150,000.00	\$ 400,000.00
17	All treated lands	Private (industrial forestry)	2477	Research	Research	N/A	N/A		\$ 416,942.00	\$ 52,118.00
18	All treated lands	Private (industrial forestry)	2477	Other	Other	N/A	N/A		\$ 300,000.00	
Sums	--	--	9068	--	--	--	--	--	\$ 4,599,942.00	\$ 573,205.00

Total acres treated in grant project: **2477**

Count each acre only once even if it has multiple treatment activities applied.

CAL FIRE Tracking # 20-FH-SKU-010
 Project Title: McKinley Scott Fuel Reduction

CAL FIRE Forest Health Program
California Climate Investments

Siskiyou County

(Required for all applicants:
 Forest Health, Research, and Forest Legacy.)

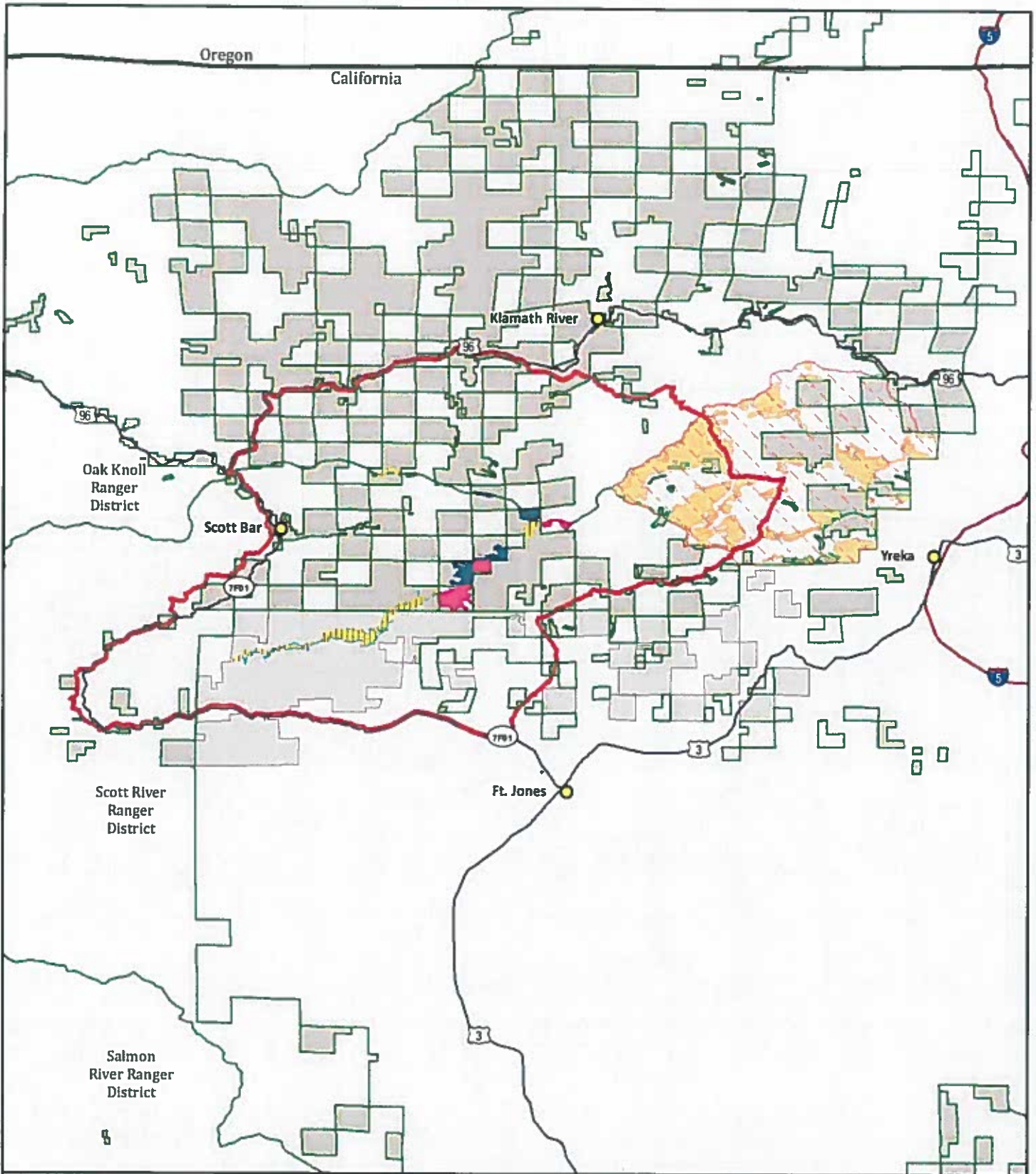
Worksheet 3: Work Plan & Timeline

Applicant: Siskiyou County

Application ID:

For each treatment area or major task in this application, list the associated activities or phases of work and show timeline by quarter.
 Activities associated with treatment implementation should be organized by treatment area. All treatment areas or other activities must be included.
 See examples below. Add more rows if needed.

		2021	2021	2022	2022	2022	2022	2023	2023	2023	2023	2024	2024	2024	2024	2025	2025	2025	2025	2026	
Treatment Area or Major Task	Activity and/or Treatment Number	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	
Scott Bar Ridge 1	Herbicide application 1				X																
	Thinning 2					X															
	Mastication 3				X	X	X														
Scott Bar Ridge 2	Herbicide application 4						X		X					X							
	Thinning 5								X	X	X			X	X	X					
	Mastication 6								X	X	X			X	X	X					
AKF Roadside Clearance	Mastication 7				X	X	X		X	X	X			X	X	X		X			
MCTC Mill Creek 1	Herbicide application 8				X		X		X		X			X		X					
	Biomass removal 9				X	X	X														
	Mastication 10				X	X	X		X	X	X			X	X	X					
	Thinning 11			X	X	X	X	X	X	X	X	X		X	X	X	X				
MCTC Mill Creek 2	Herbicide application 12								X		X			X		X					
	Biomass removal 13								X	X	X			X	X	X	X				
	Mastication 14								X	X	X			X	X	X					
	Thinning 15							X	X	X	X	X		X	X	X	X				
KNF Fuel Reduction 1	Prescribed burning 16					X	X														
KNF Fuel Reduction 2	Prescribed burning 16							X	X												
KNF Fuel Reduction 3	Prescribed burning 16											X	X						X		
KNF Fuel Reduction 4	Prescribed burning 16																				
Wildlife Monitoring	17					X	X			X	X			X	X						
Project effectiveness Monitoring	18			X	X	X	X		X	X	X		X	X	X	X					



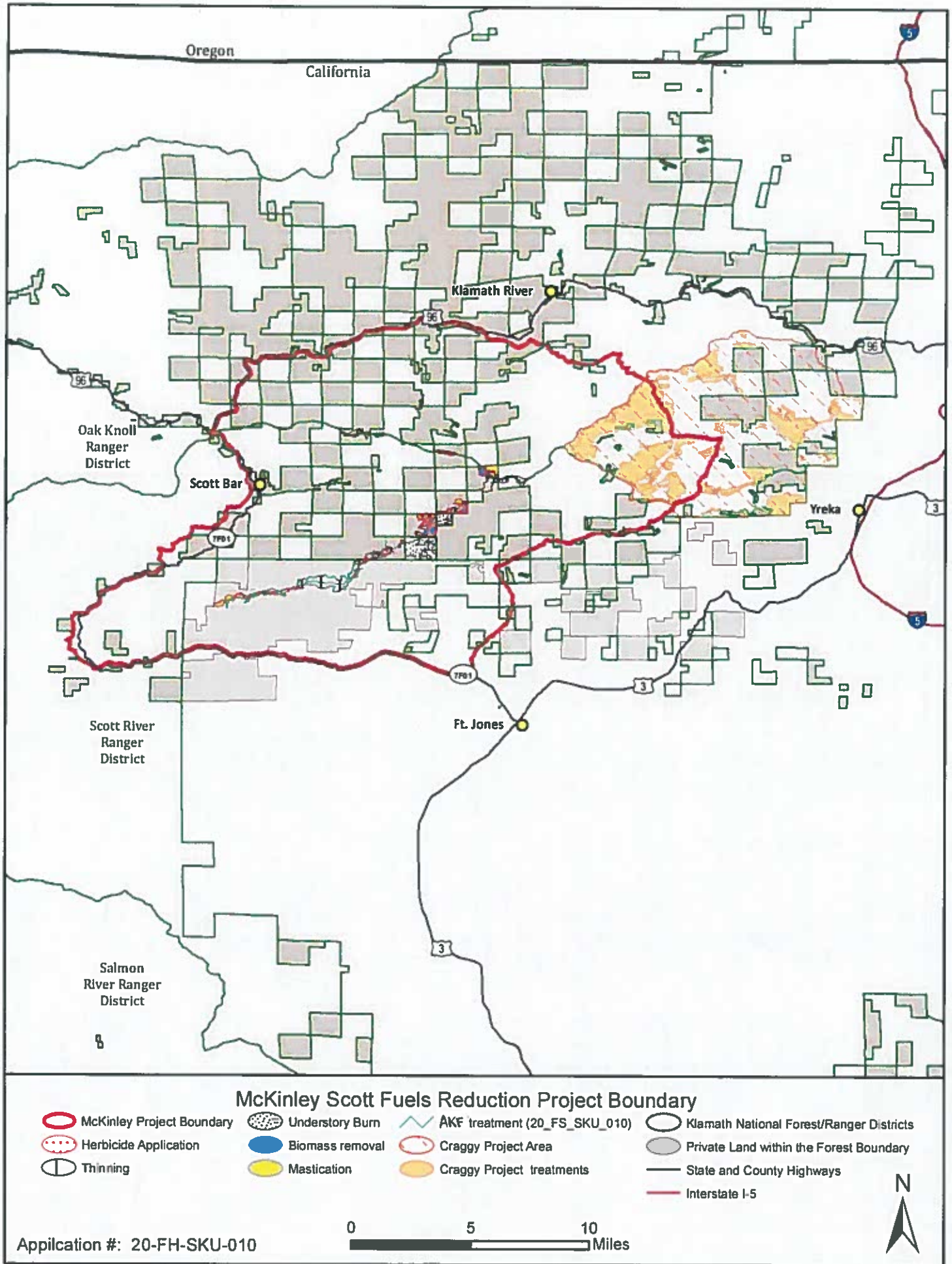
McKinley Scott Fuels Reduction Project Boundary

- McKinley Project Boundary
- AKF treatments (20-FS-SKU-10)
- MCTC treatments (20-FS-SKU-10)
- USFS treatments (20-FS-SKU-10)
- AKF treatment (20_FS_SKU_010)
- Craggy Project Area
- Craggy Project treatments
- Klamath National Forest/Ranger Districts
- Private Land within the Forest Boundary
- State and County Highways
- Interstate I-5

Application #: 20-FH-SKU-010



Map 1



Map 2