

**DEPARTMENT OF FORESTRY AND FIRE PROTECTION**

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



September 1, 2023

Richard Sykes
Upper Mokelumne River Watershed Authority
15083 Camanche Parkway South
Valley Springs, CA 95252

8GG22614; Upper Mokelumne River Watershed Authority, "Forest Projects Plan – Arbor (Phase 1A)"

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 Daniel Sooy at (916) 531-8996 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. Please sign, scan, and return the agreement to Nadine Scarbrough at Nadine.Scarbrough@fire.ca.gov no later than **August 24, 2023**.

Alternatively, you may opt to print (single sided), sign in blue ink, and return the agreement with original signature to:
CAL FIRE
Attn: Grants Management Unit/CCI –Forest Health
P.O. Box 944246
Sacramento, CA 94244-2460

In order to expedite your agreement, a scanned/electronic copy of the agreement is preferred.

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: Daniel Sooy
Julie Howard
Tiffany Kelly

Enclosures

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

APPLICANT: Upper Mokelumne River Watershed Authority
PROJECT TITLE: Forest Projects Plan – Arbor (Phase 1)
GRANT AGREEMENT: 8GG22614

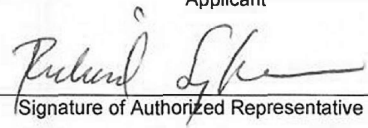
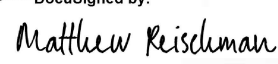
PROJECT PERFORMANCE PERIOD is from date of latter signature by CAL FIRE Deputy Director or Grantee through March 30, 2029.

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: This fuels reduction project is designed to reduce the risk of high-intensity, large-scale wildfires, protect communities, improve forest resilience, and enhance important wildlife habitat on a minimum of 3,133 acres of upper watershed areas primarily within the WUI. The roadside fuel breaks, mastication, hand thinning and follow-up prescribed fire treatments are designed to reduce excess surface fuels in strategic locations along ridge tops and upper slopes that connect with past treatments.

Total State Grant not to exceed \$ 6,999,934.36 (or project costs, whichever is less).

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

<p style="text-align: center;">Upper Mokelumne River Watershed Authority</p> <hr/> <p style="text-align: center;">Applicant</p> <p>By  <small>Signature of Authorized Representative</small></p> <p>Title <u>Executive Officer</u></p> <p>Date <u>August 18, 2023</u></p>	<p style="text-align: center;">STATE OF CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION</p> <hr/> <p>DocuSigned by:  <small>09C3EF839A7E418...</small></p> <p>By <u>Matthew Reischman</u> <small>Deputy Director, Resource Management</small></p> <p>Title: Matthew Reischman Deputy Director, Resource Management</p> <p>Date <u>8/30/2023</u></p>
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CERTIFICATION OF FUNDING

GRANT AGREEMENT NUMBER 8GG22614	PO ID	SUPPLIER ID 54970
FUND 3228	FUND NAME Greenhouse Gas Reduction Fund	
PROJECT ID	ACTIVITY ID	AMOUNT OF ESTIMATE FUNDING \$ 6,999,934.36
GL UNIT 3540	BUD REF 601	ADJ. INCREASING ENCUMBRANCE \$ 6,999,934.36
PROGRAM NUMBER 2470010	ENY 2021	ADJ. DECREASING ENCUMBRANCE \$ 0.00
ACCOUNT 5340580	ALT ACCOUNT 5340580000	UNENCUMBERED BALANCE \$ 6,999,934.36
REPORTING STRUCTURE 35409507	SERVICE LOCATION 96217	

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


30D0E1AC61EA48D
 Certification of CAL FIRE Accounting Officer

8/30/2023

Date

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Upper Mokelumne River Watershed Authority
Forest Projects Plan – Arbor (Phase 1A)

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, Upper Mokelumne River Watershed Authority, hereinafter referred to as “GRANTEE”.
2. The STATE hereby grants to GRANTEE a sum (hereinafter referred to as “GRANT FUNDS”) not to exceed six million, nine hundred ninety-nine thousand, nine hundred thirty-four dollars and thirty-six cents (\$6,999,934.36).
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 2022-2023.
 - b. The submitted Application, Scope of Work, Project Workbook, GHG Emissions Workbook and Exhibits
 - c. ADDENDUM – CALIFORNIA CLIMATE INVESTMENTS (CCI) GRANT PROJECTS
 - d. ADDENDUM to California Climate Investments Department of Forestry and Fire Protection Forest Health Program Grant Guidelines 2022-2023

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.

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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 8GG22614.
- 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: Upper Mokelumne River Watershed Authority
Section/Unit: HQ Resource Management/Climate and Energy Program	Section/Unit: N/A
Attention: Daniel Sooy	Attention: Richard Sykes
Mailing Address: P.O. Box 944246 Sacramento, CA 94244-2460	Mailing Address: 15083 Camanche Parkway South Valley Springs, CA 95252
Phone Number: (916) 531-8996	Phone Number: (510) 390-4035 Secondary: (530) 903-0116
Email Address: Daniel.Sooy@fire.ca.gov Foresthealth@fire.ca.gov	Email Address: karenq@innercite.com

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 no less than 60 days from the Agreement expiration date. The STATE may waive the minimum timeframe for amendments at their discretion. 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 latter date of signature by the Grantee Authorized Representative or CAL FIRE Deputy Director. 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.

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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. 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 and activities specified in the Final Project Budget Detail, Application, Scope of Work and Exhibits, 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 for 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. Grantee must provide reporting on equipment disposition no less frequently than biannually to CAL FIRE or upon CAL FIRE's request after completion of the grant project until notified in writing by the CAL FIRE Forest Health Grant Program that additional reporting is no longer required.
- d. GRANTEE shall submit, in arrears, not more frequently than once a month, and required quarterly, an invoice to the STATE for costs paid by GRANTEE pursuant to this Agreement. In the event no expenses are incurred, GRANTEE shall identify that no costs have been incurred within the respective quarterly progress report in lieu of submitting a zero balance invoice. Each invoice shall contain the following information: the Agreement number, the dates or time period during which the invoiced costs were incurred, signature of an authorized representative of GRANTEE, expenditures for the current invoice and cumulative expenditures to date by major budget category (e.g., salaries, benefits, supplies, etc.), match funds when applicable, and appropriate supporting documentation consistent with the Eligible Costs section, as detailed in the California Climate Investments Department of Forestry and Fire Protection Forest Health Program Grant Guidelines 2022-2023.
- 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.

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- f. Except as otherwise provided herein, GRANTEE shall expend GRANT FUNDS in the manner described in the Budget approved by the STATE. The dollar amount of an item in a budget category may be increased or decreased by up to ten percent (10%) of the budget item through reallocation of funds from other budget categories, without approval by the STATE; however, GRANTEE shall notify the STATE in writing 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 category must be approved in writing by the STATE before any such 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 using the grants management system identified by CAL FIRE. 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. Advance funds must be spent on eligible costs within six months of the advance payment receipt.
 - GRANTEE may request additional time to spend advance funds but must be approved in writing by the STATE. CAL FIRE will bill for the return of unliquidated advance funds after the approved timeframe.
 - All work under a previous advance payment must be fully liquidated via an invoice and supporting documentation and completed to the

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STATE's satisfaction before another advance payment will be made.

- Any advance payment received by a GRANTEE and not used for project eligible costs within the time period approved by STATE shall be returned to the STATE. 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.
- j. The GRANTEE shall immediately reimburse or credit, as determined by the STATE, the STATE for any over payment of any invoice, including final invoice, when either party determines an overpayment was made.

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 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 the audit is completed or the three (3) years, whichever date is later.

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- 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 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,

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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 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.

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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 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

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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.

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18. Survival Clause

The obligations of the Parties under Section III General Provisions, Items 4 (c) and (j) of the Project Costs and Payment Documentation and Item 10 Hold Harmless of this Agreement shall survive the termination or expiration of the Agreement.

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ADDENDUM – CALIFORNIA CLIMATE INVESTMENTS (CCI) 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. Grant funds shall be used on projects limited to specific activities as described in CCI Grants Procedural Guides.
3. 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.
4. Grantee shall maintain accurate and detailed records documenting project description, project location, and schedule, CCI dollars allocated, and leveraged funds throughout the duration of the project.
5. 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 funds expended through CCI 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 CARB reporting requirements. The requirements are available on the CARB CCI Quantification, Benefits and Reporting Materials webpage:
<https://ww2.arb.ca.gov/resources/documents/cci-quantification-benefits-and-reporting-materials>.

III. PROGRAM ACKNOWLEDGEMENT/RECOGNITION

1. All projects funded both fully and partially by the Greenhouse Gas Reduction Fund (GGRF) must clearly display, identify, and label themselves as being part of the “California Climate Investments” program. The acknowledgement must contain the California Climate Investments and CAL FIRE logos as well as the following statement:

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

A draft of the acknowledgement must be approved by a CAL FIRE Forest Health Area Forester 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.

Guidance on California Climate Investments media releases, logo usage, signage guidelines, and high-resolution files are contained in CCI’s Media and Communications Style Guide.

2. In addition, all projects funded both fully and partially by GGRF must contain the following statement in public announcements or press releases on said projects:

“Funding for Forest Projects Plan – Arbor (Phase 1A) was provided by CAL FIRE’s Forest Health Program, as part of California Climate Investments. California Climate Investments, a statewide program that puts billions of Cap-and-Trade dollars to work reducing GHG emissions, strengthening the economy, and improving public health and the environment—particularly in disadvantaged communities. The Cap-and-Trade program also creates a financial incentive for industries to invest in clean technologies and develop innovative ways to reduce pollution. California Climate Investments projects include affordable housing, renewable energy, public transportation, zero-emission vehicles, environmental restoration, more sustainable agriculture, recycling, and much more. At least 35 percent of these investments are located within and benefiting residents of disadvantaged communities, low-income communities, and low-income households across California. For more information, visit the California Climate Investments website at: www.caclimateinvestments.ca.gov.”

ADDENDUM to California Climate Investments Department of Forestry and Fire Protection
Forest Health Program Grant Guidelines 2022-2023

I. Project Reporting

Progress reporting frequency is hereby revised to remove the requirement to submit progress reporting with each invoice. The paragraph related to progress reporting as specified on Page 5 of the California Climate Investments Department of Forestry and Fire Protection Forest Health Program Grant Guidelines 2022-2023 will be replaced with the following:

Using the Grants Portal system, grantees are required to report on progress toward completion of the Scope of Work included in the Grant Agreement every calendar quarter using the Forest Health Progress Report template. Reports are due on the last business day of the month following the end of a quarter (April 30, July 31, October 31, January 31).

II. User Generated Content

User Generated Content, such as social media posts, images, and/or videos on the Forest Health project that is published to an online or social network, is strongly recommended to acknowledge CAL FIRE's Forest Health Program and social media posts should contain #CALFIRE_ForestHealth. If the project is funded through the California Climate Investments Program, CCI should also be acknowledge and social media should include #CAClimateInvestments. If applicable, the published media can include hyperlinks to CAL FIRE's Forest Health and the CCI program. You can coordinate with the appropriate Forest Health Area Forester prior to publishing.

Link to CAL FIRE Forest Health Program web page: <https://www.fire.ca.gov/what-we-do/grants/forest-health>

Link to California Climate Investments Program web page: <https://www.caclimateinvestments.ca.gov/>

47222480 - Forest Health

CAL FIRE Forest Health & Post-Fire Reforestation and Regeneration Grant Application Fiscal Year 2022-2023 :

If you are applying for a Tribal Wildfire Resilience Implementation/Planning Grant, please complete the Tribal Wildfire Resilience Application. Do NOT complete this application. :

Applications must be submitted by 3PM on Tuesday, February 28, 2023. Refer to APPLICATION PROCESS in the Forest Health Grant Guidelines.

Online application directions:

Applicants will need to complete 3 primary sections

- 1) Profile
- 2) Application form
- 3) Budget

An asterisk (*) indicated a required response.

You can select Save Draft (located on the top and bottom of the page) to save your work and complete at a later time. Recommended to Save Draft after answering every question,

You may also click on the triangle next to the Application to preview or print the questions to assist with planning or collaborating with others on your application. Keep in mind that there may be conditional questions that appear depending on your responses.

Project ID :

What type of Forest Health grant are you applying for? : Forest Health

Profile : karenq@innercite.com

Basic Project Information :

Project Title : Forest Projects Plan - Arbor (Phase 1A)

Brief Project Description : This fuels reduction project is designed to reduce the risk of high-intensity, large-scale wildfires, protect communities, improve forest resilience, and enhance important wildlife habitat on a minimum of 3,133 acres of upper watershed areas primarily within the WUI. The roadside fuel breaks, mastication, hand thinning and follow-up prescribed fire treatments are designed to reduce excess surface fuels in strategic locations along ridge tops and upper slopes that connect with past treatments.

What county is the proposed project area located? : Amador

If your project is located in more than one county, please list all the counties the proposed project boundary is located in. : Amador and El Dorado Counties

Please use the

CAL FIRE Administrative Units Map (https://www.fire.ca.gov/media/ju5jrwey/fhp_admin_unit_map.pdf) to answer the below question.

Please select which CAL FIRE Unit the proposed project is located in. : AEU

[Latitude and Longitude Finder](https://www.latlong.net/)

is a free online tool to help determine lat long.

Latitude & Longitude (##.####, -###.####) : 38.4725, -120.3510

Project Desired Start Date : 2023-09-15

Estimated Project Completion Date : 2029-03-30

Grant Funding Requested : \$6,999,999.24

Total Project Cost : \$8,812,271.95

Organization Information :

Applying Organization : Upper Mokelumne River Watershed Authority

Organization Type : Other

Other : Joint Powers Authority

State of California

Non-Discrimination Compliance Statement (<https://www.documents.dgs.ca.gov/dgs/fmc/pdf/std019.pdf>) (STD 19) is required to be completed and uploaded by all applicants except from state agencies.

Non-Discrimination Compliance Statement (STD 19) : UMRWA_NonDiscrimination_STD20_2023.pdf

State of California

Drug-Free Workplace Certification (<https://www.documents.dgs.ca.gov/dgs/fmc/pdf/std021.pdf>) (STD 21) must be completed by all applicants except from state agencies.

Drug-Free Workplace Certification (STD 21) : UMRWA_DrugFreeWorkplace_STD21_2023.pdf

State of California

Payee Data Record (<https://www.documents.dgs.ca.gov/dgs/fmc/pdf/std204.pdf>) (STD 204) must be completed by all applicants.

A W-9 can be substituted for tribal and governmental agencies.

Payee Data Record (STD 204) : UMRWA_PayeeDataRecords_STD204_2023.pdf

Project Manager Information

First Name : Richard

Last Name : Sykes

Address Line 1 : 15083 Camanche Parkway South

Address Line 2 :

City : Valley Springs

State : US-CA

Zip Code : 95252

Email Address : karenq@innercite.com

Phone : 510-390-4035

Secondary Phone : 5309030116

Project Background and Scope of Work :

Please describe project background and statement of need : UMRWA is leading a diverse group of partners in planning and implementing projects to restore and enhance disaster resilience on forest lands within the Upper Mokelumne River watershed. The Upper Mokelumne River watershed has been threatened by multiple catastrophic wildfires (Caldor, Butte, Power, Tamarack) and is a high value target for the Eldorado NF, Stanislaus NF, Amador Calaveras Consensus Group, and Sierra Nevada Conservancy, among others. This coalition is aggressively pursuing a two-phased Forest Projects Plan (FPP) initiative: Phase 1 focuses treatments on 25,671 priority acres cleared through NEPA/CEQA of which, a minimum 3,133 acres are proposed for treatments in this grant application; and Phase 2 completes the planning and environmental clearances for another 225,000 acres with partial funding requested here for Phase 2 NEPA/CEQA. Initial Phase 1 treatments to 2,255+ acres will begin this summer using an existing CalFire grant (agreement 8GG21607). The Forest Projects Plan – Arbor (Phase 1A) project is situated on lands administered by the Eldorado NF, Amador RD and Stanislaus NF, Calaveras RD. This implementation and planning project is urgently needed to reduce excess ladder fuels, prevent wildfire and resultant uncontrolled air emissions, improve and protect ecological resilience throughout an important headwaters area.

Forest Health Treatments Types & Treatment Acres

Fuels Reduction : Yes

Acres of Fuels Reduction : 3,133

Prescribed Fire : No

Pest Management : No

Reforestation : No

Biomass Utilization : No

Total Treatment Acres : 3133

Land Ownership

How many acres of the project are under federal ownership? : 3,133

How many acres of the project are under state ownership? : 0

How many acres of the project are under private ownership? : 0

How many project acres are under an other ownership? : 0

Total Project Acres : 3133

Scope of Work

Upload a Scope of Work : 47222480_ForestHealth P1A_SOW.pdf

Upload map(s) of the project area : 47222480_Maps.zip

Work Plan :

Forest Health Project Workbook : 47222480_ForestHealth_FPP P1A_Workbook.xlsx

Spatial Data :

Applicants are required to submit spatial data of the proposed project as shapefiles. Please refer to the Forest Health Grant Guidelines Appendix C. Below please upload only ONE .ZIP files that contains all the treatment activity shapefiles, as well as the project boundary shapefile.

Shapefiles : 47222480_Shapefiles.zip

Budget :

View Budget Worksheet : <https://portal.ecivis.com/#/peerBudget/452A9926-85A6-4180-AA3A-30F138307DCF>

The budget application has been completed and submitted. : Yes

Applicants are required to provide a project budget narrative. The budget narrative allows for additional justification of how and/or why a budget line item helps to meet the project deliverables.

Project Budget Narrative : 47222480_FPP P1A_Forest Health_Budget Narrative.pdf

Indirect Rate Exemption

Inclusion of indirect costs is acceptable and should generally not exceed 12% of the total direct grant costs, minus equipment costs. Applicants may request a higher indirect rate by providing additional justification as to why a higher rate is needed as well as including appropriate documentation substantiating the basis of the higher indirect rate (e.g. a copy of a federally approved Negotiated Indirect Cost Rate Agreement, etc.) In no instance may the request exceed 20%. This shall apply to all entities including University of California (UC) and California State University (CSU) entities. Documentation related to the determination of the Grantee's indirect cost rate must be retained by the Grantee for audit purposes.

For applicants requesting the higher rate, you may include this rate within your application request and budget breakdown. CAL FIRE will evaluate your request for higher indirect rate concurrently with your grant application. If your project is selected for award but the higher rate is not approved, CAL FIRE will notify you of the revised award amount and changes to your budget if needed. Approval of the higher indirect rate is solely at CAL FIRE's discretion.

Is the project requesting an indirect cost rate in excess of 12%? : No

Long-term Forest Management Goals :

Will the project practice uneven-aged management with the goal of diverse ages, sizes, and species? : Yes

Will the project will be done under an approved timber harvest plan (THP), non-industrial timber management plan (NTMP), or a working forest management plan? : Yes

Specify the THP, NTMP, or working forest management plan. : Eldorado National Forest Land and Resource Management Plan (1988) Sierra Nevada Forest Plan Amendment (2002 and 2004)

Does the project area have an existing carbon offset project or other environmental credit project? : No

Please describe how the project will utilize a diverse mix of management actions that follow industry standards, are appropriate activities for the project landscape, and how they combine or connect to promote forest health at a landscape scale. : UMRWA formulated the Arbor (Phase 1A) project areas using a GIS database known as the Mapping Tool. The Mapping Tool was developed by the Amador Calaveras Consensus Group (ACCG) Strategic Landscape Assessment Work Group. The Mapping Tool utilizes a wildfire risk assessment framework outlined in GTR-315 (Scott et al., 2013), identifies the region's high-valued assets and resources most vulnerable to predicted future wildfire, employs the ACCG's project inventory database, and calls upon best available science. Using

the Mapping Tool, the treatment areas identified in this grant application emerged as the highest priority locations for treatment. A variety of treatments are proposed including hand thinning ladder fuels and mechanical fuels reduction of brush and small diameter trees generally up to 10" dbh. Follow-up prescribed fire will be performed on a minimum 175 project acres by the USFS as match. These treatments are widely accepted, stewardship-type actions, appropriate for removal of excess ladder fuels throughout timber stands, roadsides, and fuel breaks. This diverse mix of management actions will result in stands that are less crowded, with fewer small trees, reduced ladder fuels, and higher canopy base height. These well-proven fire hazard reduction treatments will moderate fire behavior, reduce the rate and extent of spread of fire, improve the forest resiliency, and result in faster and safer wildfire suppression efforts. Arbor (Phase 1A) treatment implementation and Phase 2 NEPA planning proposed for funding, advance a landscape-scale approach to forest health and connect treated areas to the USFS' other recent efforts such as its View 88 fuel break, Foster Firs EA, Panther Ridge Forest Restoration EA, Power Fire Pre-Commercial Thinning EIS, and Scottiagio Forest Health Project EA (see Map 2 and Map 9). Taken together, these efforts make significant progress toward large-scale forest health and watershed stewardship.

Please describe the proposed measures to avoid adverse impacts to soil health and fish, wildlife and native plant resources in project design and development. : The Arbor (Phase 1A) project proposes non-commercial vegetation treatment activities which are designed to enhance and protect a variety of habitats including three ecosystems that provide essential components of wildlife habitat: late seral/old forest ecosystems, aquatic ecosystems, and aspen stands. The treatments will enhance forest health by reducing competition for resources (water, sunlight, and nutrients) within forested stands that are overly dense and in habitats that have been diminished due to conifer encroachment from lack of fire (aquatic systems, aspen stands). The Arbor (Phase 1A) treatments are designed to meet the requirements of the Sierra Nevada Forest Plan Amendment (2004), the National Best Management Practices for Water Quality Management on National Forest System lands (2012), the Endangered Species Act and the National Historic Preservation Act. The project is also designed to comply with the Eldorado National Forest Land and Resource Management Plan (LRMP), employs measures to protect fish and wildlife species, botanical resources and cultural resources as well as measures that maintain soil cover and minimize erosion. Appendix B of the Forest Projects Plan (Phase 1) Decision Memo provides detailed Conservation Measures based on consultation with the USFWS as well as Design Criteria to protect Threatened, Endangered and Sensitive biological organisms, avoid archaeological sites, prevent the spread of noxious weeds, protect sensitive plants and protect stream courses and water quality. The FS has adopted a number of Best Management Practices and protection measures to avoid the spread of noxious weeds which are included as part of the Design Criteria (USDA 2023). The NEPA DM's Design Criteria will be incorporated into the project's treatment specifications as part of any contract issued for fuels reduction implementation and monitored for compliance during and after operations.

Please describe the landowner's commitment to develop or maintain a resilient forest of diverse age, size, and species class within the boundaries of the project. : The proposed project is situated entirely on federal lands administered and maintained by the USFS. The USFS states its top priority is to "maintain and improve the health, diversity, and productivity of the nation's forests and grasslands to meet the needs of current and future generations." Forest Management | US Forest Service (usda.gov). The USFS aims to manage vegetation, restore ecosystems, reduce hazards, and maintain forest health. The project is designed to meet the requirements of the Sierra Nevada Forest Plan Amendment (2004) as well as the Eldorado National Forest Land and Resource Management Plan (LRMP), and to support the Eldorado National Forest Resilience Strategy 10 Year Plan (2022). These management plans aim to maintain forests that are resilient to wildfire, sustainable and include diverse age, size, and species class as appropriate for the soil conditions and geographic site characteristics of specific project areas. UMRWA has a strong working relationship with the USFS formalized by a Master Stewardship Agreement (MSA) signed May 18, 2016, and Supplemental Project Agreements (SPAs) with both the Eldorado and Stanislaus National Forests. The UMRWA NEPA Interdisciplinary Team and Operations Team and the USFS have met regularly since mid-2020 and will continue to do so throughout the project to discuss appropriate forest management techniques and to resolve concerns as quickly as possible. As part of the Phase 2 NEPA Planning efforts, UMRWA has been working with the USFS to establish a Technical Advisory Group (TAG) and Stakeholder Group to inform development of a proposed action and purpose and need. The TAG consists of experts in the areas of forestry, wildfire, environmental planning

and analysis, and traditional ecological knowledge. The TAG incorporates best available science information (BASI) and community feedback into their planning and implementation processes, increasing stakeholder buy-in so that forests are restored to resiliency.

Please describe plans for long-term maintenance of forest management goals including the responsible parties, funding, and partner assistance. : The long-term maintenance and health of the region's forest are fundamental goals of the Upper Mokelumne forest collaboration. As noted above under Project Background, UMRWA and its partners the Eldorado NF, Stanislaus NF, and ACCG are urgently working to prepare Forest Projects Plan – Phase 2. This large-landscape plan and associated NEPA/CEQA documentation will address current needs and may provide a potential mechanism for future forest health maintenance within the 225,000-acre Upper Mokelumne project area. A key FPP-Phase 2 plan component will be the long-term forest management requirements of the selected alternative. This project occurs entirely on National Forest System lands. As landowner, the USFS is responsible for achieving and maintaining its land management goals and may leverage its partnerships to achieve this work. Maintenance is expected to be funded through a combination of the Federal budget, stewardship contracts and appropriations, and/or grants obtained directly or indirectly through its partners, potentially including UMRWA, among possible other funding strategies. Maintenance activities will be guided by the Record of Decision (ROD), Sierra Nevada Forest Plan Amendment Environmental Impact Statement (2001) and also the ACCG's Cornerstone Collaborative Forest Restoration Landscape Program Monitoring Strategy (2016). The Eldorado National Forest Resilience Strategy 10 Year Plan (2022) provides a framework to increase the pace and scale of forest restoration and achieve improved resilience. The Plan identifies goals and objectives related to community and fire fighter safety, reducing fire intensity, applying climate adaptation strategies, increasing partnerships, and ensuring financial and logistical support.

Net Greenhouse Gas (GHG) Benefit :

Please use the

GHG Emission Workbook (https://www.fire.ca.gov/media/miiihqzz/fh_ghg_emissions_workbook-_fy22-23.xlsx) referenced in the "Grant Selection Criteria - Net GHG Benefit" of the Forest Health Grant Guidelines.

Please contact Forest Health Emissions Specialist, Kevin Welch, with questions by email

Kevin.Welch@fire.ca.gov

GHG Emissions Workbook : 47222480_Forest Health_FPP P1A_GHG Workbook.xlsx

Priority Landscapes :

Using CAL FIRE FRAP's

web map viewer (<https://calfire-forestry.maps.arcgis.com/apps/MapSeries/index.html?appid=f767d3f842fd47f4b35d8557f10387a7>)

, please assess whether the project area overlaps a high priority landscape in which specific actions can be taken to reduce the risk to a forest asset. Refer to Scoring Criteria - Priority Landscapes in the Forest Health Grant Guidelines.

Does the proposed project boundary fall within levels 3, 4, or 5 in the Reducing Wildfire Risks to Ecosystem Services Map? : Yes

Please describe how the project will reduce Wildfire Risks to Ecosystem Services in that area. : The project boundary falls within levels 3 (13%) and 5 (71%) in the Reducing Wildfire Risks to Ecosystems layer (see Map 4). The project treatments were designed in consultation with the USFS Fuels Management Officer, and they include ladder fuel treatments to lower the risk and slow the spread of wildfire. This grant application requests funding for Phase 2 NEPA planning which will include commercial thinning treatments.

Does the proposed project boundary fall within levels 3, 4, or 5 in the Reducing Wildfire Threat to Communities? : Yes

Please describe how the project will reduce wildfire threat to communities in that area. : A very small amount of the project area, just over 1 acre of the very western portion of the proposed project boundary, falls within level 3 in the Reducing Wildfire Threat to Communities (<0.01% of the proposed project boundary, see Map 5). The project is designed with ladder fuel treatments to lower the risk and slow the spread of wildfire. The project situated on National Forest lands, in vicinity of communities.

Does the proposed project boundary fall within either HHZ Tier 1 and/or Tier 2 in the Restoring Pest and Drought Damaged Areas? : Yes

Please describe how the project will restore pest and drought damage in that area. : A large percentage (91%) of the proposed project boundary falls in HZ Tier 1 and Tier 2 in the Restoring Pest and Drought Damaged Areas, including 25% within HZ Tier 1 and 66% within HZ Tier 2 (see Map 6). The project treatments include ladder fuel treatments to lower the risk and slow the spread of wildfire. This grant application requests funding for Phase 2 NEPA planning which will include commercial thinning treatments and may address hazard tree removal.

Does the proposed project boundary fall within the moderate or high burn severity in the Restoring Fire Damaged Forests Areas? : No

Climate Refugia

If applicable, list the project treatment areas that remain buffered from the effects of climate change. Describe the source of climate refugia identification and how proposed treatments will enhance refugia characteristics.

: Less than 10% of the proposed project falls within predicted climate refugia (AdaptWest Project, Mickalak et al. 2018). See Map 7. However, the project is designed to change the vegetation structures and fuel loading to lower the risk of increasingly severe fires and the effects of climate change. Large portions of the project area serve as relatively intact “ecological islands” or “refugia” which are surrounded in every direction by lands devastated by recent, large-scale wildfires, including the Caldor Fire, Tamarack Fire, Rim Fire, Butte Fire and Power Fire (see Map 1). The recent increases in the size, frequency, and intensity of fires in and near the project area have resulted in ecosystem transitions, changes in hydrology, and associated effects to sediment and nutrient fate and transport. The project treatments are designed to reduce ladder fuels and create more fire-resistant species compositions and vegetation structure. This climate adaptation is described by Morelli and Millar (2018) as “resistance”, which seeks to preserve, as much as possible, the historical structure, composition, and function of the ecosystem in the face of changing climates. The authors describe the “resistance” climate adaptation in the article stating “these are areas that remain relatively buffered from contemporary climate change over time and enable persistence of valued physical, ecological, and socio-cultural resources.” Michalak, J.L., J.J. Lawler, D.R. Roberts, and C. Carroll. 2018. Distribution and protection of climatic refugia in North America. Conservation Biology, 32(6): 1414-1425. Via AdaptWest on Data Basin.org: <https://adaptwest.databasin.org/pages/distribution-and-protection-climatic-refugia/Morelli, T.L.; Millar, C. 2018. Climate Change Refugia. USDA Forest Service Climate Change Resource Center. https://www.fs.usda.gov/ccrc/topics/climate-change-refugia>

Project Benefits :

Please describe the extent to which the project will deliver enduring and sustainable benefits and co-benefits.

: This project will provide enduring benefits by reducing wildfire risk and increasing climate resilience through the implementation of roadside fuel breaks and surface and ladder fuels reduction designed to moderate wildfire behavior. The project will protect and enhance three target ecosystems that provide essential components of wildlife habitat: late seral/old forest, aspen and aquatic ecosystems. Community wildfire protection will be strengthened, benefiting multiple disadvantaged and low-income communities. In addition, this project will protect and potentially improve hydrologic function through conifer thinning and decreased inter-tree competition for resources which may allow for increased growth rate of residual trees and concentration of carbon in trees (not surface fuels). Lastly, implementation of fuels

reduction treatments will provide local economic benefit through opportunities for contracting and vending. Many residents within the Mokelumne River watershed have been hard hit by the collapse of the timber industry and closing of local sawmills and are considered disadvantaged and/or low income. This project advances CCI goals by fostering resilient communities and by making it possible to transition from the diminished resource extraction economy to one based on restoration and stewardship of the Sierra Nevada. UMRWA is strongly committed to local contracting and vending to benefit these communities, to the extent that is possible within existing State law. On August 15th, 2021, the Caldor Fire ignited just north of the proposed treatment areas in the disadvantaged community of Grizzly Flats burning over 220,000 acres. On September 9th, 2015, a rapidly moving wildfire known as the Butte Fire started in Amador County just west of the project area burning 70,868 acres. Thousands of residents in low-income communities lost their homes in these fires. This project helps reduce the risk of fire to households within low-income communities.

Please describe plans for long-term maintenance of project benefits including the responsible parties, funding, and partner assistance. : Continued protection of communities, water quality, fire fighter safety, wildlife habitat, and the local forest economy are of utmost concern to UMRWA and the coalition partners. As noted above under Project Background, UMRWA together with the Eldorado NF, Stanislaus NF, and the ACCG are urgently working to prepare Forest Projects Plan – Phase 2. This large-landscape plan and associated NEPA/CEQA documentation will address current needs and likely also future forest health needs in the 225,000-acre Upper Mokelumne project area. A key FPP-Phase 2 plan component may include the long-term forest management requirements of the selected alternative. This project occurs entirely on National Forest System lands which are the responsibility of the USFS as landowner. And while the USFS is charged with management actions on its lands, UMRWA and the ACCG, as project partners, are committed to working collaboratively to achieve and perpetuate the tripe bottom line benefits this project yields. Maintenance of project benefits are likely to be funded through a combination of the Federal budget, stewardship contracts and appropriations, and/or grants obtained directly or indirectly through its partners, potentially including UMRWA, among possible other funding strategies. The Sierra Nevada Conservancy (SNC) provided a \$354,000 grant in support of NEPA and CEQA compliance for this project through the Regional Forest and Fire Capacity Program (RFFCP). The goal of the RFFCP is to increase regional capacity to prioritize, develop, and implement projects that improve forest health and fire resiliency. The SNC continues to assist UMRWA to develop a strategic plan for tribal outreach. The Tribal Outreach Plan is currently in process and will assist with meaningful tribal engagement in all UMRWA's projects.

CARB CCI Co-benefits

To support CAL FIRE's reporting to CARB on CCI expenditures, please check the box for any co-benefits the project will provide: :

reduced fire risk and/or facilitated fire suppression

improved air and/or water quality

improved watershed health

protected water supplies

improved wildlife, fish, or native plant habitat

workforce development of populations historically marginalized in forestry

improved scenic resources

protected cultural resources

improved soil health

benefits to local economy

benefits to local culture

climate adaptation

jobs created and/or supported

If any boxes are checked above, please list the co-benefit and write one to two sentences on how the project will deliver the benefit. : Reduced Fire Risk and/or Facilitated Fire Suppression: The project incorporates strategically placed fuel reduction treatments to facilitate prescribed burning and reduce the hazards to firefighters. Improved Air Quality/Watershed Health/Protect Water Supplies and Soils: This project is designed to reduce the threat of uncharacteristically severe, stand replacing wildland fire which causes extensive damage to watersheds, forests, habitats, water quality, soils and water supplies. Workforce Development of Populations Historically Marginalized in Forestry: Many residents within the Mokelumne River watershed have been hard hit by the collapse of the timber industry and closing of local sawmills and are considered disadvantaged and/or low income. This project advances CCI goals by fostering resilient communities and by making it possible to transition from the diminished resource extraction economy to one based on restoration and stewardship of the Sierra Nevada. Protect Cultural and Scenic Resources: This project is designed to reduce the threat of uncharacteristically severe, stand replacing wildland fire which causes extensive damage to archeological sites, historic resources and scenic resources. Cultural resources will be flagged, avoided and protected during operations. Benefits To Local Economy and Culture/Jobs Created: UMRWA is strongly committed to local contracting and vending to benefit the local rural communities. The SNC continues to assist UMRWA to develop a strategic plan for tribal outreach. The Tribal Outreach Plan is currently in process and will assist with meaningful tribal engagement in all UMRWA's projects. Climate Adaptation: The project is designed to change the vegetation structures and fuel loading to lower the risk of increasingly severe fires and the effects of climate change. Large portions of the project area serve as relatively intact "ecological islands" or "refugia".

Jobs :

Use the

CCI Job Co-benefit Modeling Tool (https://ww2.arb.ca.gov/sites/default/files/auction-proceeds/final_jobs_tool.xlsx) to determine if jobs were supported by project and CCI funds. Please Refer to the "Grant Selection Criteria - Jobs" in the Forest Health Grant Guidelines for more information. Please enter the values as reflected on the 'Results' worksheet of the CCI Job Co-benefit Modeling Tool workbook below.

Will jobs be supported by this project? : Yes

Please enter the Total Full-Time Equivalent Jobs Supported by Project Budget. : 145

Please enter the Total Full-time Equivalent Jobs Supported by Project GGRF Funds. : 113

Please enter the Full-time Equivalent Jobs DIRECTLY supported by Project GGRF Funds. : 63

Please enter the Full-time Equivalent Jobs INDIRECTLY supported by Project GGRF Funds. : 20

Please enter the Equivalent INDUCED Jobs supported by Project GGRF Funds. : 30

CCI Job Co-benefit Modeling Tool : Forest Health_FPP P1A_Jobs Calculator.xlsx

Disadvantaged and/or Low Income Community Benefit :

A portion of CA Climate Investments are to be located within and benefit residents of disadvantaged communities, low-income communities, and low-income households across California.

Review CAL FIRE's Evaluation Criteria for Providing Benefits to Priority Populations (Forest Health Grant Guidelines - Appendix F).

Complete the following set of questions using the steps outlined in

Table 1: Land Restoration and Forest Health

(https://ww2.arb.ca.gov/sites/default/files/classic/cc/capandtrade/auctionproceeds/ccidoc/criteriatable/criteria-table-lrfh.pdf?_ga=2.67061485.290605846.1594846568-253865888.1495143169)

and utilizing the

CCI Priority Populations 2022 CES 4.0 map (<https://webmaps.arb.ca.gov/PriorityPopulations/>)

Step 1: Identifying Priority Population(s)

ATTENTION! You must right click to open the link in a new tab.

Note: Forest Health Program staff will be validating with GIS software, that the project area is in fact within a disadvantaged and/or low-income community as shown in the

CCI Priority Populations map (<https://webmaps.arb.ca.gov/PriorityPopulations/>)

Is the majority (>49%) of the proposed project boundary area located within a disadvantages or low-income census tract on the CCI Priority Populations 2022 CES 4.0 map? : Yes

If yes, please identify which priority population(s) the proposed project boundary area falls within. :

1B

Step 2: Address a Need

Applicants can use a variety of approaches to identify an important community or household need and evaluate whether the project provides a benefit that meaningfully address that need. Identify the approach used.

Please select which approach was used in Step 2: Address a Need : 2B

Describe identified community or household need(s) identified using the approach above. : The entire project boundary (100%) is located within low-income census tract based on the CCI Priority Populations (Map 8). A number of U.S. Census defined populated areas within the WUI such as Buckhorn, Pioneer, Red Corral, and West Point are within 5 miles of the project area. These communities are in need of protection from severe wildfire. The 12-year running, locally based consensus group (ACCG), supports this project (see LOS) and provides a forum for public outreach and support.

Step 3: Provide a Benefit. Evaluate project against the following criteria to determine if it provides direct, meaningful, and assured benefits to priority populations. The benefit provided must directly address the need identified in Step 2.

Please select which criteria is providing direct, meaningful, and assured benefits to priority populations. : 3C

Describe the Benefit. Include a qualitative description of any benefits the project provides to priority populations (500 character limit). : On August 15th, 2021, the Caldor Fire ignited just north of the proposed treatment areas in the disadvantaged community of Grizzly Flats burning over 220,000 acres. On September 9th, 2015, a rapidly moving wildfire known as the Butte Fire started in Amador County just west of the project area burning 70,868 acres. Thousands of residents in low-income communities lost their homes in these fires. This project helps reduce the risk of fire to nearby rural households within low-income communities.

If the project meets the criteria in Steps 1, 2, and 3, it will be considered as providing direct, meaningful, and assured benefits to priority populations and will be given full credit (10 points) for the Forest Health Grant Selection Criteria - Disadvantaged and/or Low Income Community Benefits.

Local Fire Plan & Other State Plan Compatibility :

Identify which planning document that this project would support if implemented. :

Safeguarding California Plan

Strategic Fire Plan for California

California Forest Carbon Plan

CA Natural & Working Lands Implementation Plan

California's Wildfire and Forest Resilience Action Plan

Other

Identify other plans not listed above. : Sierra Nevada Forest Plan (2001) and Amendment (2004). USDS Forest Service. California's Shared Stewardship Memorandum of Understanding with Forest Service Region 5. Mokelumne Avoided Cost Analysis developed by ACCG, the Forest Service, the Sierra Nevada Conservancy, and The Nature Conservancy.

Please elaborate how this project would support the above checked planning documents. Be specific. : The proposed project furthers the California Forest Carbon Plan Goal 3.1 to: "Expand and Improve Forest Management to Enhance Forest Health and Resilience" and sub-goal 3.1.1 to "Improve Health and Resilience on Federal Forestlands." Specifically, these goals state, • By 2020, increase treatments from the current approximately 250,000 acres per year to 500,000 acres per year on National Forest System Lands in California. • Increase forest resilience through treatments including fuels reduction, managed and prescribed fire, noxious weed removal, road improvements to reduce sedimentation, resulting in resource benefits to approximately nine million acres on National Forest System lands in California by 2030." The tasks funded by this project will significantly contribute to increased number of acres of National Forest land cleared for NEPA/CEQA by up to 225,000 acres and treat a minimum 3,133 acres with hand treatments/mechanical fuels reduction. The project utilizes well-established land management practices including hand thinning, mechanical fuels reduction, and aspen restoration all of which are outlined in the California Natural and Working Lands Implementation Plan and provide both ecosystem and community benefits. Consistent with California's Wildfire and Forest Resilience Action Plan, the management practices are designed to reduce fire risk and restore forests to more adaptable conditions making them better able to withstand the pressures of climate change. By reducing wildfire risk and resulting sediment transport, the project will preserve critical hydrologic functions. The project will also restore key aspen habitat through removal of encroaching conifers, making the areas more resilient to wildfire and climate impacts and enhancing their conditions for the diversity of plant and animal species they support. Wildfires exacerbate GHG emissions and significantly contribute to climate change.

Collaboration/Partnerships :

Please describe how multiple, experienced partners representing all key stakeholders will collaborate throughout the project, including: planning, funding, implementation, and monitoring. : UMRWA is the regional water management group for the MAC (Mokelumne-Amador-Calaveras) region and is a Joint Powers Authority comprised of six water agencies including Amador Water Agency, Calaveras County Water District, Calaveras Public Utility District, East Bay Municipal Utility District, Jackson Valley Irrigation District and Alpine County Water Agency and three counties including Alpine, Amador and Calaveras Counties. UMRWA is governed by an eight-member Board of Directors and is supported by a part time Executive Officer and a number of part time contractors. The UMRWA NEPA Interdisciplinary Team, Forest Service and ACCG have met regularly since mid-2020 and will continue to do so throughout project planning and implementation. UMRWA has a strong working relationship with the Forest Service and holds a Master Stewardship Agreement (MSA) signed May 18, 2016, and Supplemental Project Agreements (SPAs) with both the Eldorado and Stanislaus National Forests. UMRWA is a signatory to the ACCG's Memorandum of Agreement as are the Eldorado and Stanislaus National Forests. The ACCG has been in operation for over twelve years, involving over 40 non-profit organizations, agencies and community groups. The group is broad based, nationally recognized and has met consistently every month since inception. As a mature collaborative, ACCG has secured millions of dollars for stewardship and restoration purposes, include CFLRA funding. UMRWA anticipates continued collaboration with the Forest Service, the ACCG, and other interested parties through its existing engagement, the Technical Advisory Group, and Stakeholder Group which include meetings as frequently as monthly

and up to quarterly. With support from this partnership, UMRWA will complete implementation of the FPP Phase 1 and planning and implementation of Phase 2, continuing its stewardship of Upper Mokelumne River watershed and the forests within.

Identify the contact(s) at the local CAL FIRE Unit(s) that has/have been briefed on this proposed project.

Provide the contact name, unit identifier, and phone or email. : Mr. Daniel Sooy CalFire Forest Health Area Forester for UMRWA's Forest Health grant (8GG21607). Email (Daniel.Sooy@fire.ca.gov) Cell (916-531-8996). On 2/14/23 and 5/18/21 contacted Ms. Robin Bellows – CalFire Central Area Forester of Sacramento, California at (916) 224-5584. Email Robin.Bellows@fire.ca.gov On 2/15/23 contacted Ms. Julie Howard – Forester II- Forest Health Program Manager, California at (831) 345-4942. Email Julie.Howard@fire.ca.gov

Collaboration and support on a project is best demonstrated by private and public partnership involvement in its planning, funding, and implementation. List the primary project partners below, state their role in the project, and upload their letter of commitment below.

Project Partner #1

Full Name : Chuck Loffland

Title : Acting District Ranger, Amador Ranger District

Affiliation : United States Forest Service, Eldorado National Forest, Amador Ranger District

Role in project : UMRWA/USFS liaison, Wildlife Biologist, provided oversight.

Email : charles.loffland@usda.gov

Project Partner #2

Full Name : Ray Cablayan

Title : Calaveras District Ranger, Stanislaus National Forest

Affiliation : United States Forest Service, Stanislaus National Forest, Calaveras Ranger District

Role in project : District Ranger, Calaveras Ranger District

Email #2 : ray.cablayan@usda.gov

Project Partner #3

Full Name :

Title :

Affiliation :

Role in project :

Email #3 :

Project Partner #4

Full Name :

Title :

Affiliation :

Role in project :

Email #4 :

Upload letters of commitment from all primary partner organizations : 47222480 Letters of Commitment.zip

Is the project an identified priority of the Wildfire and Forest Resiliency Task Force (WFRTF), Regional Forest and Fire Capacity Program (RFFCP), Collaborative Forest Landscape Restoration Program (CFLRP), and/or other collaborative forest restoration group? : Yes

Letters of Support- Signed letters of support from individuals and entities other than primary project partners. This includes letter of support from collaborative forest restoration group, if applicable. : M Letters of Support.zip

Match Funding

If applicable, list any sources/grant programs that will serve as matching funds for this project. The source must be funded at the time of the application submission. Include any active California Climate Investment projects.

Matching Source of Funding #1

Funding Entity/Funding Program : United States Forest Service, Amador Ranger District/fuels treatments/prescribed burning

Amount of Funding : \$1,535,000

Matching Source of Funding #2

Funding Entity/Funding Program : Sierra Nevada Conservancy/RFFCP/Phase 2 NEPA

Amount of Funding : \$150,000

Matching Source of Funding #3

Funding Entity/Funding Program : UMRWA/Donate Indirect Fees

Amount of Funding : \$127,272.71

Are you applying for, or have you been awarded, Greenhouse Gas Reduction Fund (GGRF) or California Climate Investment (CCI) funding from a source other than the Forest Health grant program for this project? :
No

Community Engagement :

Applicants must refer to

CCI's Co-benefit Assessment Methodology for Community Engagement

(https://ww2.arb.ca.gov/sites/default/files/classic/cc/capandtrade/auctionproceeds/final_communityengagement_am.pdf?_ga=2.213574740.1941792523.1611689622-253359502.1608154256)

and completed the - Community Engagement Questionnaire - Table 1 to determine how the project demonstrates public participation in planning, design, and implementation occurs in ways that foster community access, deliberation, and leadership.

As determined using the CARB's Co-benefit Assessment Methodology for Community Engagement-Community Engagement Questionnaire, please select the proposed project's level of community engagement. : High

Community Engagement Questionnaire Table 1 : FPP Phase 1A Community Questionnaire.pdf

Administrative Capacity and Past Forest Management History :

What is the annual operating budget of the applying organization? : \$435,000.00

Statement of Qualifications (SOQ)

The SOQ should detail the applicant's ability to complete the project as proposed, identify the resources (staff, partners, contractors) intended to complete the tasks described in the work plan, and explain applicant's expertise or experience completing similar forest management projects.

Statement of Qualifications (SOQ) : 47222480_ForestHealth_FPP P1A_SOQ.pdf

Statement of Qualification has been completed and uploaded? : Yes

Readiness and Legal Requirements :

All awarded projects must have the ability to implement the proposed project and the capability to begin ground disturbing activities on the project with 12 months of the grant award. The project is ready to implement, because all required documents and legal requirements such as, CEQA, NEPA, landowner access agreements, permits, ancillary contracts, and agreements are in place. CAL FIRE must review all environmental compliance documents and give written approval that proposed treatments are CEQA compliant before any grant funded ground disturbing treatments begin.

The applicant has read, understands, and agrees to the above statement regarding Environmental Compliance for the proposed project. : Yes

Any environmental compliance documents marked as "complete" in the Environmental Compliance worksheet in the Forest Health Project Workbook must be uploaded for review.

Please upload a single .Zip file below with all completed environmental compliance documents.

Environmental Compliance Documents : P Environmental Compliance.zip

If you have any questions regarding the environmental compliance of your proposed project please reach out to CAL FIRE's Environmental Scientist - Compliance Scientist, Andrea Williams, by email

Andrea.Williams@fire.ca.gov

Attestation :

Full Name : Karen L Quidachay

Title : UMRWA Program Director

I do hereby attest and certify that the above and attached information is true and correct. :

value1

Average Score : 32.56

Application Goals :

View Application Goals : <https://portal.ecivis.com/peerGoals/94240D50-A01C-467F-A018-2201586B09BC>

of Reviews : 9

of Denials : 0

Created by : zengine+35184@srm.ecivis.com

Record ID # : 47222480

Last change : 2023-02-27T21:05:15+0000

Forest Projects Plan – Arbor (Phase 1A)

SCOPE OF WORK

PROJECT DELIVERABLES

The Forest Projects Plan – Arbor (Phase 1A) project seeks to protect an important headwaters area, improve resilience and mitigate wildfire risk through implementation of fuels reduction and tree thinning on a minimum 3,133 acres of forest lands which are cleared through NEPA/CEQA. Activities will promote development of old-forest characteristics and carbon storage in trees, not surface fuels. This application requests \$6,999,999 in grant funds primarily for implementation of fuels treatments. A portion (\$506,000) of the funding supports the initial Forest Projects Plan - Phase 2 NEPA environmental planning for a 225,000-acre analysis area in the upper Mokelumne River watershed. Absent forest management and fuels treatments and required NEPA/CEQA, the Mokelumne River watershed is poised to suffer catastrophic wildfire damage as seen in prior area wildfires including the Power (2004), Butte (2015) and Caldor (2021). Following are the proposed activities and deliverables for Arbor (Phase 1A) implementation and Phase 2 NEPA planning.

Arbor (Phase 1A) Implementation: UMRWA utilized a GIS database known as the Mapping Tool to select the Phase 1 fuels treatment areas considered most urgent for implementation from the 25,671-acre FPP Phase 1 and Power Fire project areas (see online application for GIS Mapping Tool details). A variety of fuels treatment activities are planned; Map 3 displays the specific locations planned for each treatment type. This application seeks funding to complete the following implementation-related tasks, which are described in more detail in the budget narrative:

Task 1: Project Management - Includes invoicing/progress reports, team meetings, budget management, coordination with CalFire and the Forest Service (USFS), and related activities.

Task 2: Environmental Monitoring – Activities include pre-implementation field surveys, operations/unit prep, (e.g., layout and flagging unit boundaries where they intersect with private property), and procurement-related tasks for botanical field surveys/flagging, archeological site protection, wildlife monitoring, preparation of avoidance area maps, quality control, contract compliance and monitoring operations, and coordination with the USFS. This task includes time for field crews to collect GPS data and produce shapefiles showing treated area locations.

Task 3: Mastication and Hand Thinning - Includes implementation of roadside fuels mastication, mastication, and hand thinning and pruning on a minimum 3,133 acres previously cleared through NEPA/CEQA.

Task 4: Follow-Up Prescribed Fire - Includes prescribed fire on approximately 13% (175 acres) of the Roadside Fuel break area as matching contribution.

Deliverables:

1. GIS shapefiles showing unit boundaries and treated areas, and a minimum 3,133 acres treated with roadside mastication, mastication, and hand thinning (note: the actual number of acres to be delivered depends on bid cost/ acre).
2. Invoices, Progress Reports and associated deliverables.

Specific treatments are described below; all may include pruning residual trees to raise canopy base height to live crown.

Mechanical Fuels Reduction (roadside mastication, mastication, crushing, chipping, etc.): Mechanical treatments will occur on a minimum of 1,916 acres. Mechanically reduce live shrubs and small trees generally up to 10" diameter breast height (dbh). Larger live trees up to a maximum of 14" dbh may be treated where necessary to facilitate machinery movement. Mechanically treat dead trees up to 16" dbh or larger where necessary to abate an imminent safety hazard. Mechanical fuels reduction will be applied to slopes less than or equal to 40% where feasible, where hand treatments are not required or specified and, within California spotted owl (CASPO) and northern goshawk (NOGO) Protected Activity Centers (PACs), or portions thereof, that are located within WUI Defense and Threat Zones. Note that all areas within 500' of the activity center (nest tree) will be treated by hand, consistent with Sierra Nevada Forest Plan Amendment (SNFPA). No live trees will be cut that are larger than 10" dbh and meet minimum merchantable timber specifications. Exceptions up to 14" dbh will be made if removal is necessary to facilitate machinery movement or to remove lodgepole pines where appropriate. Surface fuels will be treated through grinding, machine crushing, or chipping. In areas adjacent to

Forest Projects Plan – Arbor (Phase 1A)

SCOPE OF WORK

roads, a “reach-in” mastication system may be utilized. This system keeps the masticator on the road while the arm reaches off the road to remove or masticate adjacent vegetation and ladder fuels.

Hand Thinning: Hand thinning will occur on approximately 1,217 acres. Hand thinning will remove brush and live trees up to 10” dbh and dead trees up to 16” dbh. Hand thinning within CASPO and NOGO PACs outside of the WUI and within a 500’ radius surrounding activity centers within WUI will target select conifer trees less than 6” dbh (SNFPA ROD, p. 60, #74). Hand thinning will be followed by chipping, lopping or scattering.

Prescribed Burning: A minimum of 175 acres of prescribed burning will be applied in later years and funded separately as project match.

Phase 2 NEPA Planning: It is anticipated the FPP Phase 2 plan will specify mechanical, hand and prescribed burn treatments similar to the Phase 1 treatments but will also include additional forest management actions such as commercial thinning. The Phase 2, 225,000-acre study area includes lands administered by the Eldorado NF, Amador Ranger District (RD) and the Stanislaus NF, Calaveras RD. Phase 2 planning is designed to work in combination with Phase 1 ladder fuels treatments already cleared through NEPA and complement previously implemented and adjacent USFS thinning projects.

Funding is requested to prepare the initial and critical stages of the FPP Phase 2 NEPA process principally including development of the proposed action and purpose and need (PA/PN) through public scoping. NEPA planning and preparation of the PA/PN will involve collaborative engagement with a diversity of stakeholders and a technical advisory group of experts on wildfire and climate modelling and geospatial mapping and analysis to fully inform planning. Once the Draft PA/PN is completed, UMRWA will use the requested grant funds requested to prepare and assist the USFS with distribution of the scoping package including the Interested Party letter. Initial NEPA planning activities proposed herein will take approximately 12 months to complete, however, given the Phase 2 study area complexity and size, the entire Phase 2 NEPA process is expected to take 2-3 years. Additional funding will be sought by UMRWA to complete the field surveys, USFWS consultation, analysis and preparation of an EIS or multiple Records of Decisions and other remaining Phase 2 NEPA tasks.

Deliverables: NEPA scoping package including the background, PA/PN, project area maps, and Interested Party Letter for treatment within the 225,000-acre study area.

ENVIRONMENTAL COMPLIANCE

On November 23, 2022 the Amador District Ranger executed a NEPA Categorical Exclusion/Decision Memo (CE/DM) for the FPP – Phase 1 (36 CFR § 220.6). The DM describes fuels treatment activities and design criteria/environmental protection measures to be implemented within the FPP Phase 1 25,671-acre treatment area on Amador RD. Among other requirements, the design criteria require botanical field surveys and flagging sensitive plants prior to implementation. In compliance with the Endangered Species Act, the NEPA Project Record includes documentation concerning consultation with the USFWS and its letter of concurrence issued in November 2022. The NEPA Project Record also includes an archaeological field survey report describing over 5,000 acres of completed archaeological field surveys and associated reports. Archaeological sites are to be flagged for avoidance during implementation as directed by the Forest Archeologist. Portions of the roadside mastication treatment areas (totaling 1,314 acres) are located within the Power Fire burned area. In 2016, the Power Fire Road Maintenance CE was executed by the Amador District Ranger and in 2018 the Power Fire Road Hazard Tree CE was executed by the Amador District Ranger. These NEPA CEs cover all roadside areas within the Arbor (Phase 1A) area.

UMRWA served as CEQA lead agency for Arbor (Phase 1A) and issued three CEQA Notice of Exemptions (NOEs) for the FPP Phase 1 on January 27, 2023 under a statutory exemption (PRC Section 4799.05(d) which were filed with El Dorado, Amador and Calaveras Counties on 1/31/2023. Similarly, UMRWA served as CEQA lead agency and filed with Amador County NOEs for the Upper Mokelumne Forest Restoration Project on January 24, 2020 under a statutory exemption (PRC Section 4799.05(d). This CE covered all NEPA decisions concerning the Power Fire project Area.

Forest Projects Plan - Arbor (Phase 1) BUDGET NARRATIVE

Arbor (Phase 1) Implementation Task 1: Project Management - limited to activities proposed under this grant application. Task includes time to complete invoicing, grant management, progress reports, coordination with team, agencies, partners, and UMRWA Board, contract management, budget and schedule management, coordination with CalFire and the Forest Service (USFS). Includes time for contract administration, preparation and solicitation. Project management costs are based on actual costs for UMRWA's similar past projects.

Major Milestones: Monthly invoicing/progress reports completed; executed contracts with professional archeologists, botanists, mastication contractors, and hand thinning crews; project implementation completed on schedule and within budget. USFS and CalFire kept apprised.

Requested Funds: \$200,000

Arbor (Phase 1) Implementation Task 2: Environmental Monitoring and Quality Control (pre-implementation field surveys, operations/unit prep) - includes layout/mapping/flagging unit boundaries where they intersect with private property using ARC GIS field maps software, GIS database management, preparation of Requests for Proposals and forestry tasks related to procurement, implement botanical field surveys and flag/monitor sensitive plants/arch sites for avoidance, monitor wildlife (if needed), prepare avoidance area maps for operators, Registered Professional Foresters to oversee contract compliance and monitoring operations and coordination with the USFS to approve treatments prior to payment approval to operators. This task includes time for forestry field crews to collect GPS data and produce shapefiles showing the treated area locations. There are expected costs for travel expenses.

Major Milestones: Units laid out and flagged where needed, botanical field surveys completed and approved by USFS, sensitive plants flagged for avoidance, invasive weeds flagged for avoidance, and archaeological sites flagged for avoidance. Regular tailgate meetings with operators. Professional foresters to ensure compliance with operator contracts and NEPA.

Requested Funds: \$360,295

Arbor (Phase 1) Implementation Task 3: Mastication and Thinning (manual) - Includes implementation of roadside fuels mastication and area mastication treatments on a minimum 1,916 acres. Estimated cost is \$2,000/acre based on recent bids for similar projects. Includes manual hand thinning on a minimum 1,217 acres. Estimated cost is \$1,200/acre. The actual number of acres treated depends on costs per acre.

Deliverables: Fuels reduction treatments on a minimum 3,133 acres.

Requested Funds: \$5,292,400

Phase 2 NEPA Planning: Funding is requested to prepare the initial stages of the FPP Phase 2 NEPA for a 225,000-acre project in the upper Mokelumne River watershed. Funding will be used for meetings with the stakeholder and technical advisory groups to develop proposed action and purpose and need through public scoping (to the extent funding allows).

Deliverables: Proposed Action/Purpose and Need on 225,000-acre study area.

Requested Funds: \$506,000

Matching Funds: \$1,500,000 in USFS contracts in the Power Fire Road Nexus and FPP Phase 1 project areas to support fuels treatment work and environmental monitoring and compliance tasks. \$150,000 SNC RFFCP Funds for Phase 2. \$35,000 in USFS funds for prescribed burn treatments.

INDIRECT FEES: Kept at 10% with \$127,272.71 (2%) donated as match.

Budget Report

Passthrough Agency: California Department of Forestry and Fire Protection (CAL FIRE)

Program: Forest Health Program FY 2022-2023

Stage: Pre-Award

Report Date: 07/14/2023

Prepared By: Karen Quidachay and Kelly Kahling

kkahling.landmark@outlook.com

Budget Items

Category	Title	Description	Units	Unit Cost	Extended Cost	Direct Cost	Indirect Cost	GL Account	Cost Share
Salaries & Wages									
			0	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
Salaries & Wages Total			0	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
Employee Benefits									
			0	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
Employee Benefits Total			0	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
Contractual									
	Project Management	Hours	1600	\$125.00	\$200,000.00	\$200,000.00	\$20,000.00		\$0.00
	Env. Monitoring/Quality Control	Acres	3176.2	\$114.99	\$365,231.24	\$365,231.24	\$36,523.12		\$0.00
	Fuels Reduction (Mastication)	Acres	1916	\$2,000.00	\$3,832,000.00	\$3,832,000.00	\$383,200.00		\$0.00
	Thinning (Manual)	Acres	1217	\$1,200.00	\$1,460,400.00	\$1,460,400.00	\$146,040.00		\$0.00
	FPP Phase 2 NEPA Proposed Action/Purpose and Need	Contract	1	\$506,000.00	\$506,000.00	\$506,000.00	\$50,600.00		\$150,000.00
	Match: Fuels Reduction/ Reforestation work in the FPP (Phase 1) and Power Fire Nexus projects areas for FY 2023-2026. Courtesy Amador RD.	Contract	1	\$1,500,000.00	\$1,500,000.00	\$0.00	\$0.00		\$1,500,000.00
	Match: Follow-up Prescribed Burning	Acres	175	\$200.00	\$35,000.00	\$0.00	\$0.00		\$35,000.00
	Match: UMRWA will take 10% in Indirect Fees (column H). Remaining 2% donated to project as Match.	Percent	1	\$127,272.62	\$127,272.62	\$0.00	\$0.00		\$127,272.62
Contractual Total			8087.2	\$2,136,912.61	\$8,025,903.86	\$6,363,631.24	\$636,363.12		\$1,812,272.62
Travel & Per Diem									
	Travel to and from project area	Field reconnaissance by RPF and forestry interns, site visits	0	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
Travel & Per Diem Total			0	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
Supplies									
			0	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00

Equipment									
			0	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
Equipment Total			0	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00

Other Costs									
			0	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
Other Costs Total			0	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00

Indirect Cost									
	To be used by CAL FIRE staff only	To be used by CAL FIRE staff only	0	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
Indirect Cost Total			0	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00

Other									
Category	Title	Description	Units	Unit Cost	Extended Cost	Direct Cost	Indirect Cost	GL Account	Cost Share
Other									
Other Total			0	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00

Grant Total			8087.2	\$2,136,912.61	\$8,025,903.86	\$6,363,631.24	\$636,363.12		\$1,812,272.62
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TOTAL GRANT FUNDS REQUESTED - \$6,999,934.36

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(Phase 1) - Arbor (Phase 1A)
Application ID: 47222480
Map 1: Project Location
 Eldorado National Forest, Amador Ranger District

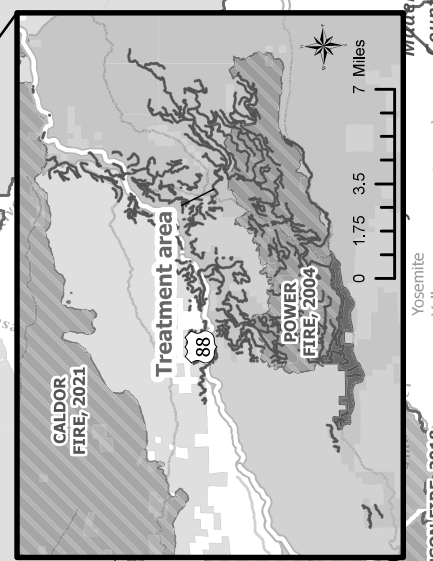
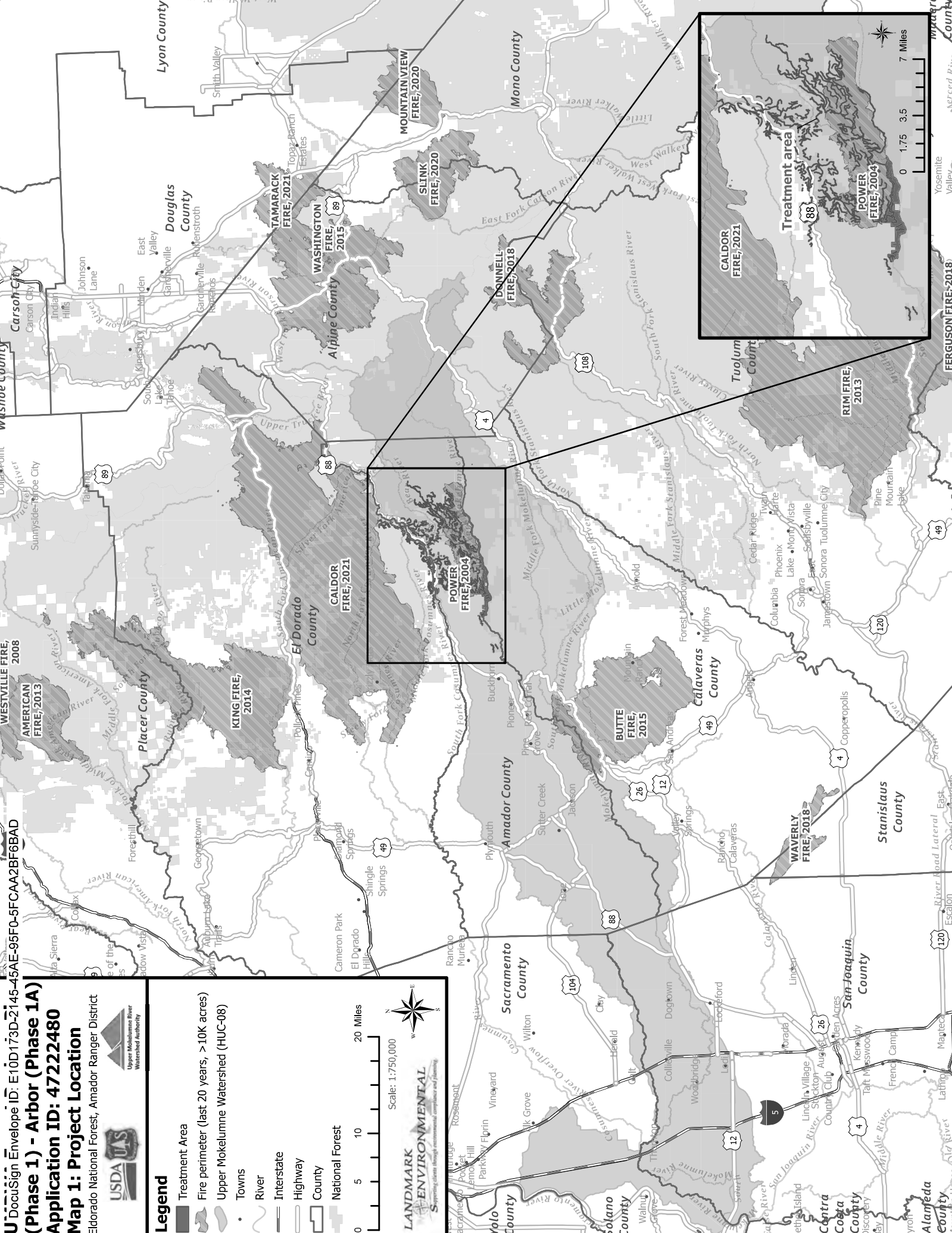


Legend

- Treatment Area
- Fire perimeter (last 20 years, >10K acres)
- Upper Mokelumne Watershed (HUC-08)
- Towns
- River
- Interstate
- Highway
- County
- National Forest

0 5 10 20 Miles
 Scale: 1:750,000

LANDMARK ENVIRONMENTAL
Sustaining nature through environmental compliance and financing



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(Phase 1) - Arbor (Phase 1A)
Application ID: 47222480
Map 3: Treatment Activities
 Eldorado National Forest, Amador Ranger District



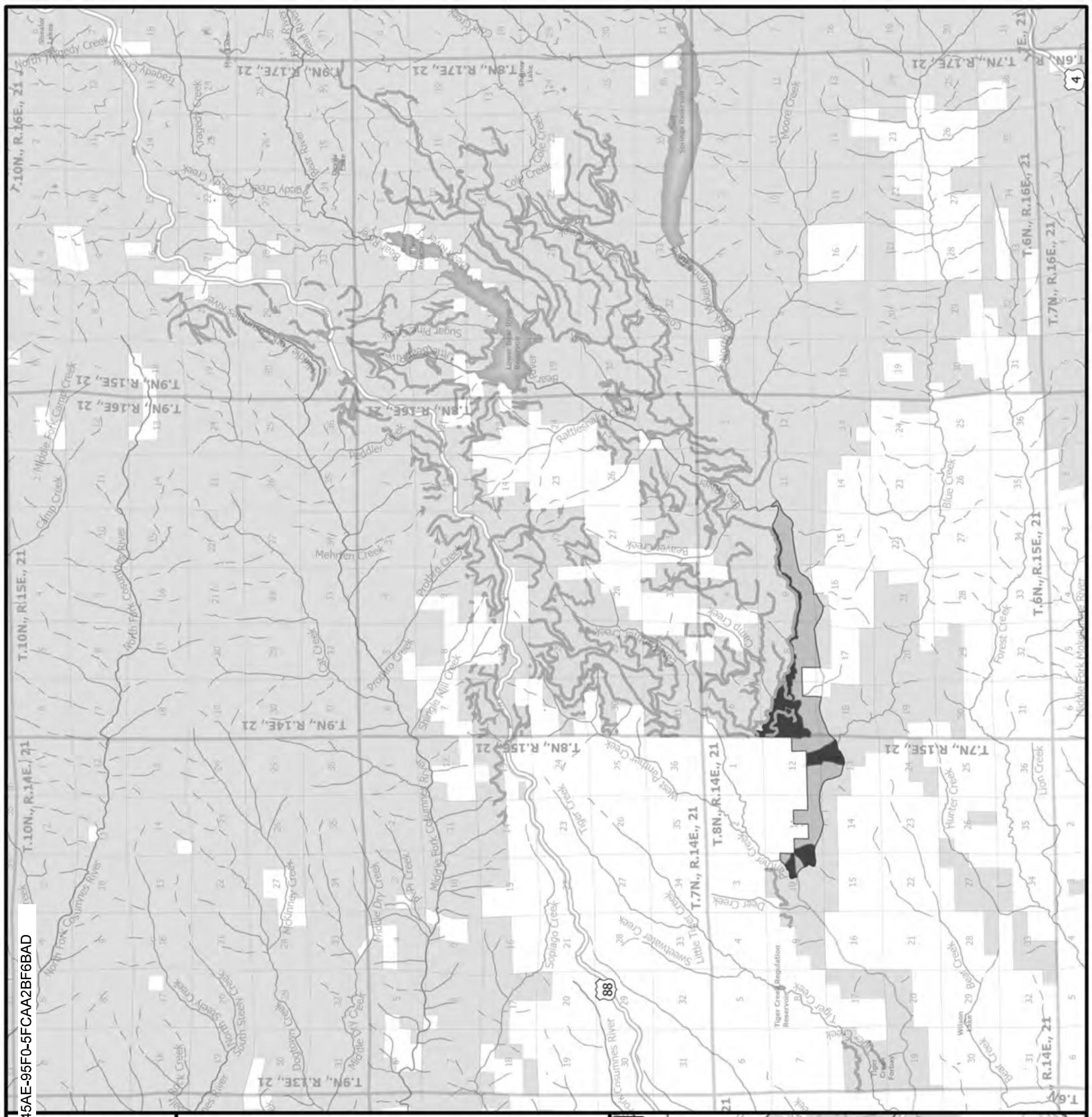
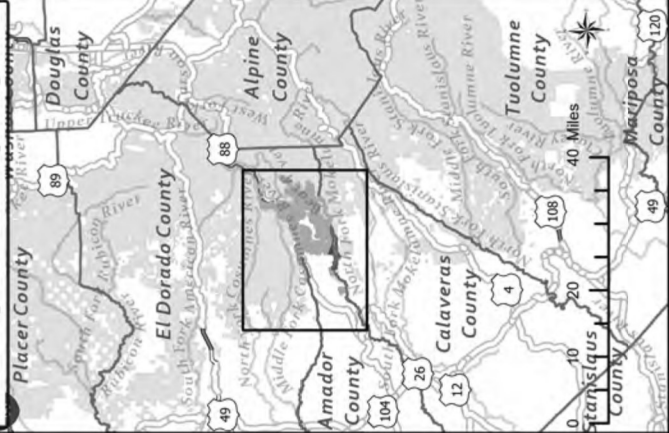
Legend

- TNumber, TName, TObjective
- 1, Roadside Fuelbreak, Fuels_Reduction
 - 2, Summit Camp, Fuels_Reduction
 - 3, Green Creek, Fuels_Reduction
 - Waterbodies
 - Interstate
 - Highway
 - River, stream
 - National Forest
 - Township & Section



LANDMARK ENVIRONMENTAL
 Supporting clients through environmental compliance and planning

Project Vicinity Map



Map 4: Priority Landscapes

Eldorado National Forest, Amador Ranger District



Legend

Treatment Area

- 1, Roadside Fuelbreak, Fuels_Reduction
- 2, Summit Camp, Fuels_Reduction
- 3, Green Creek, Fuels_Reduction

Reduce Wildfire Risks To Ecosystems

Value

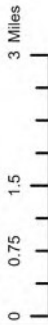
- 1
- 2
- 3
- 4
- 5

Waterbodies

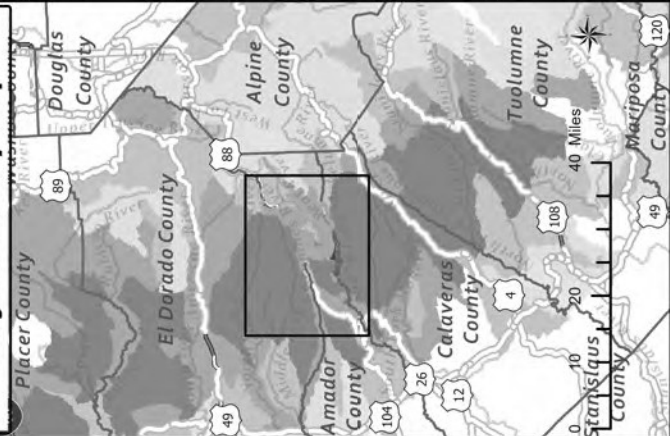
Interstate

Highway

River, stream



Project Vicinity Map



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(Phase 1) - Arbor (Phase 1A)
Application ID: 47222480
Map 5: Priority Landscapes

Eldorado National Forest, Amador Ranger District



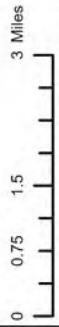
Legend

Treatment Area

- T\Number, T\Name, T\Objective
- 1, Roadside Fuelbreak, Fuels_Reduction
- 2, Summit Camp, Fuels_Reduction
- 3, Green Creek, Fuels_Reduction

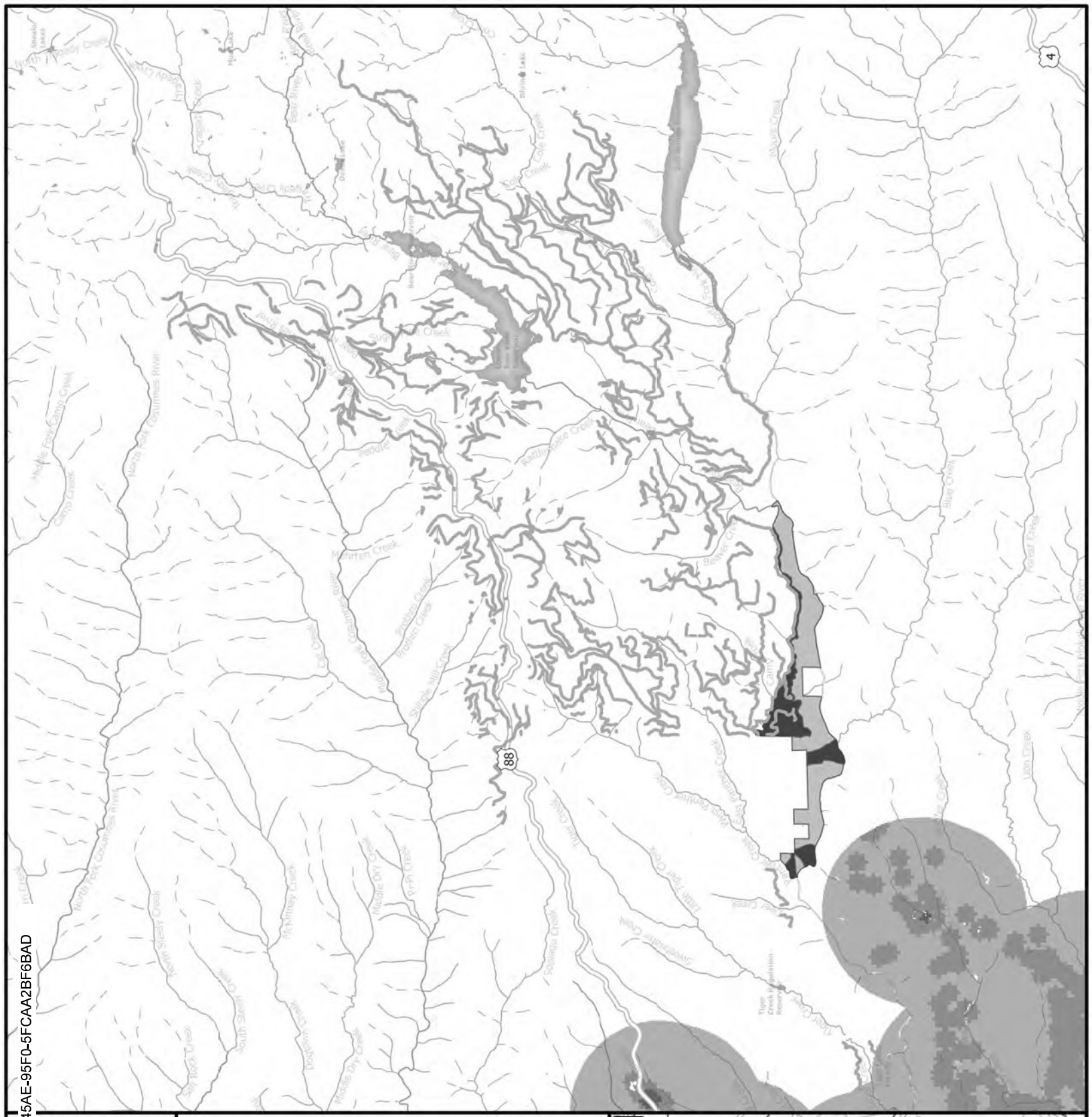
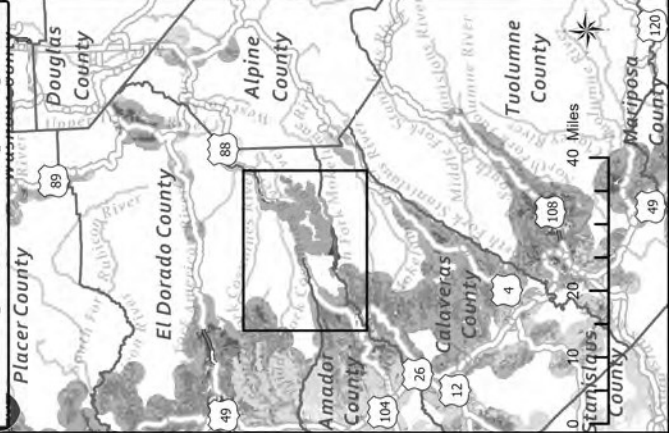
Reduce Wildfire Threat to Communities

- Value
- 1
 - 2
 - 3
 - 4
 - 5
- Waterbodies
 - Interstate
 - Highway
 - River, stream



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Project Vicinity Map



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(Phase 1) - Arbor (Phase 1A) Application ID: 47222480 Map 6: Priority Landscapes

Eldorado National Forest, Amador Ranger District
USDA
Upper Tuolumne River
Watershed Authority

Legend

Treatment Area

TNumber, TName, TObjective

- 1, Roadside Fuelbreak, Fuels_Reduction
- 2, Summit Camp, Fuels_Reduction
- 3, Green Creek, Fuels_Reduction

RestorePestDamagedAreas

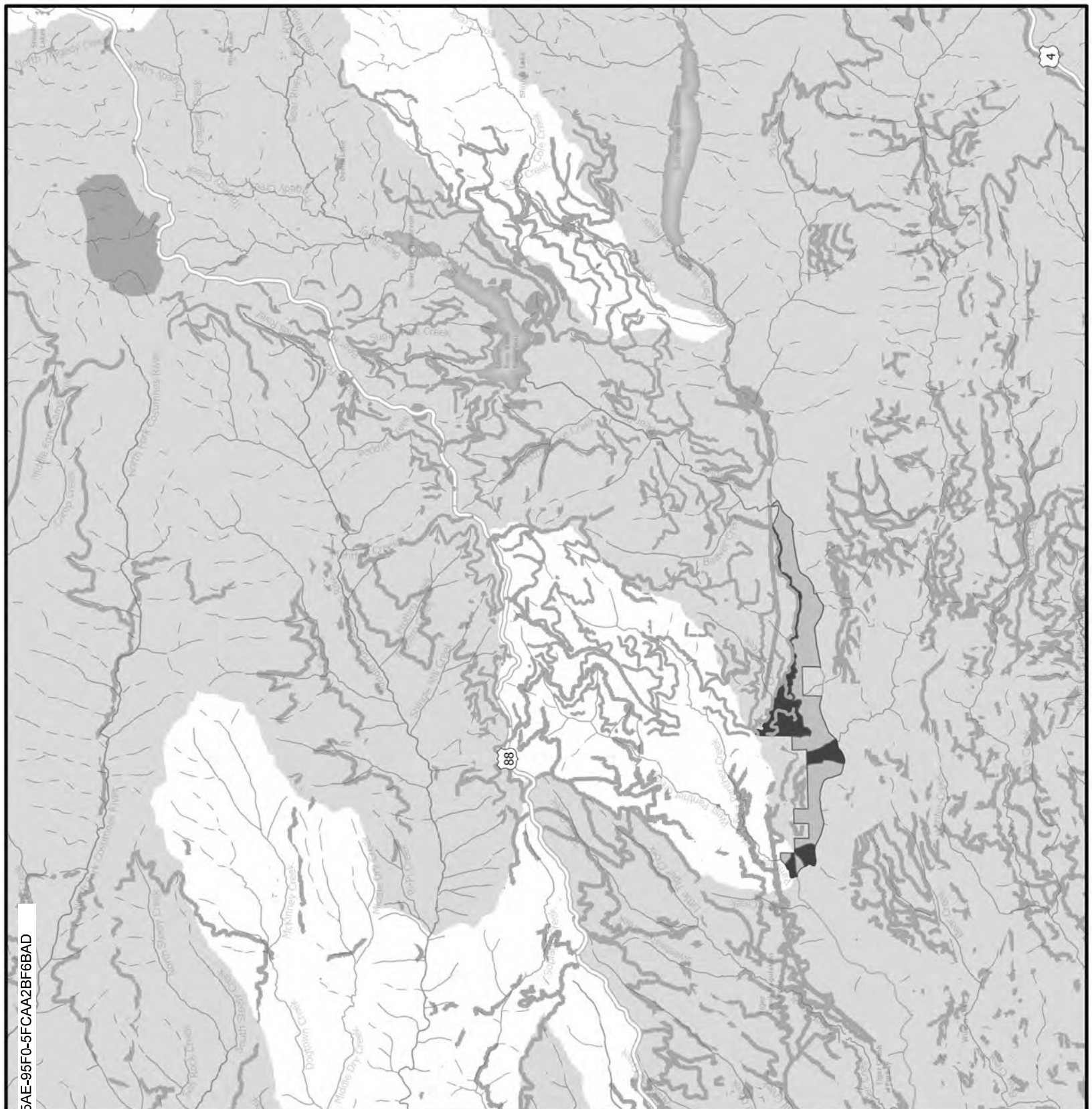
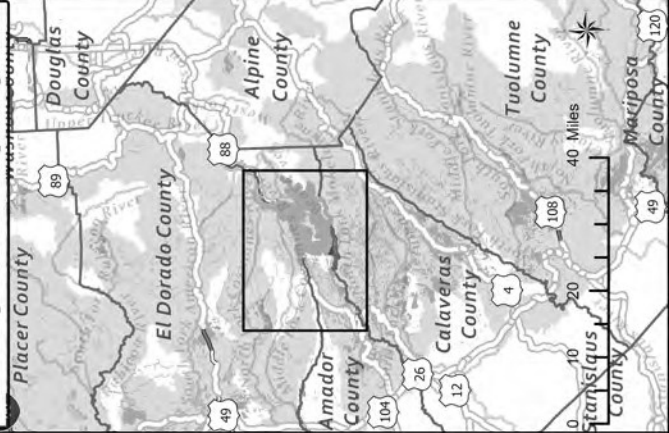
Value

- 0
- 1
- 2

- Waterbodies
- Interstate
- Highway
- River, stream



Project Vicinity Map



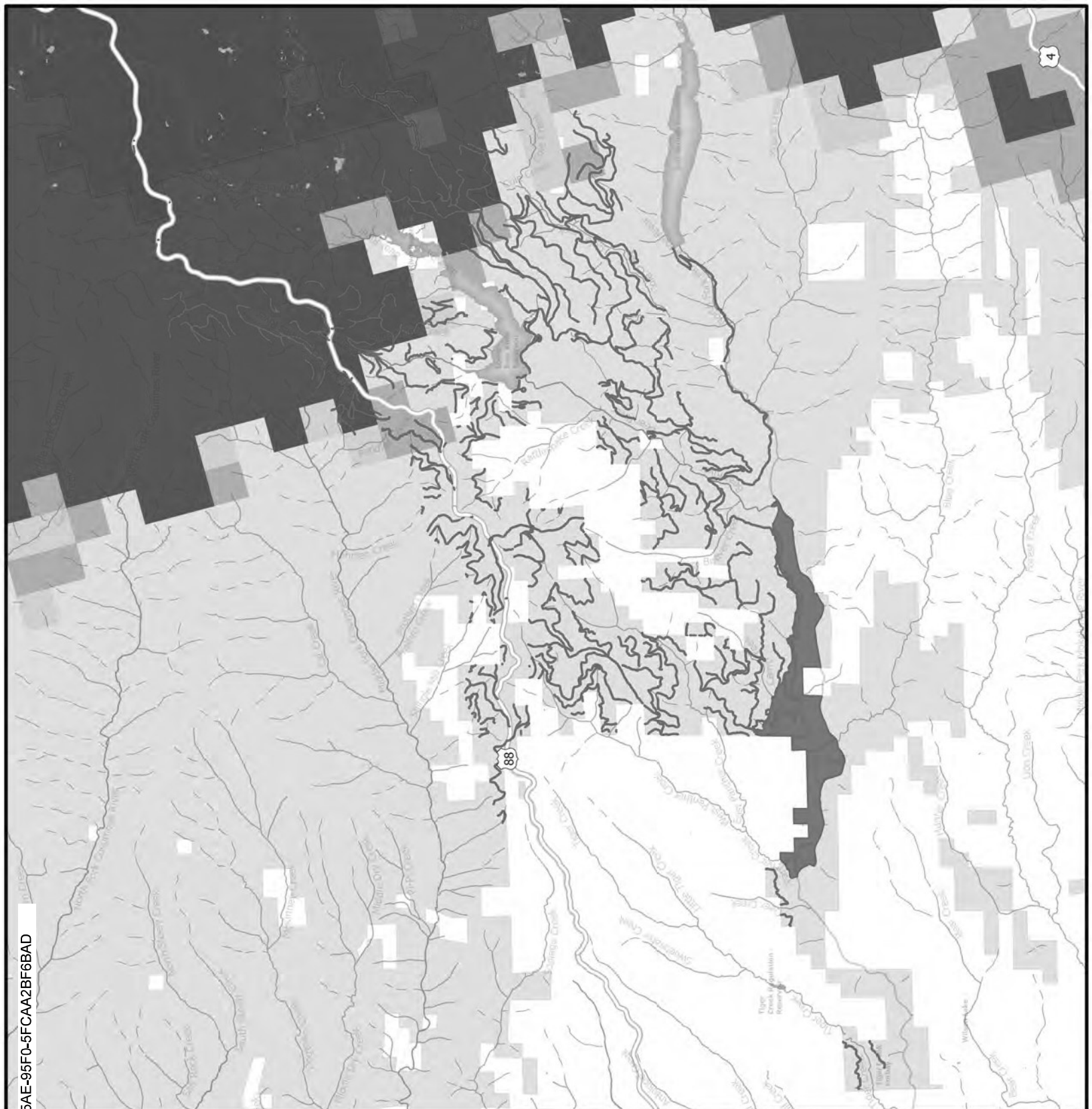
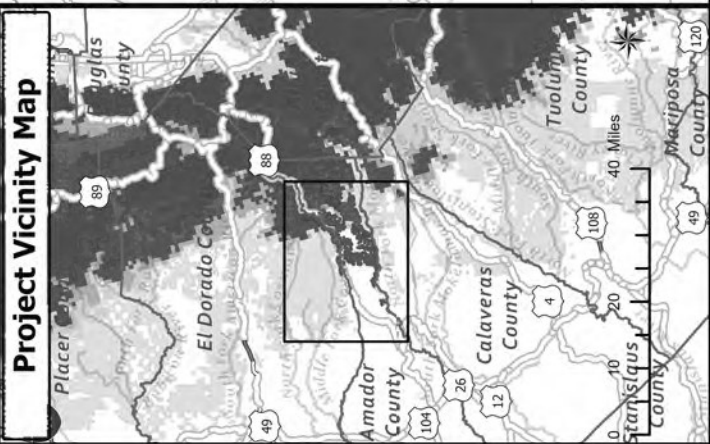
(Phase 1) - Arbor (Phase 1A) Application ID: 47222480 Map 7: Climate Refugia

Eldorado National Forest, Amador Ranger District
USDA US Forest Service
Upper Mokelumne River Watershed Authority

Legend

- Treatment Area
- Climate Refugia**
 - Refugia_2080s_GFDLCM3
 - Refugia_2080s_MIROC5
 - Refugia_2080s_INMCM4
 - Refugia_2050s_GFDLCM3
 - Refugia_2050s_MIROC5
 - Refugia_2050s_INMCM4
- Waterbodies
- Interstate
- Highway
- River, stream
- National Forest

Scale: 1:140,000
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(Phase 1) - Arbor (Phase 1A) Application ID: 47222480 Map 8: Community Benefit

Eldorado National Forest, Amador Ranger District
USDA U.S. Department of Agriculture
Upper Mokelumne River Watershed Authority

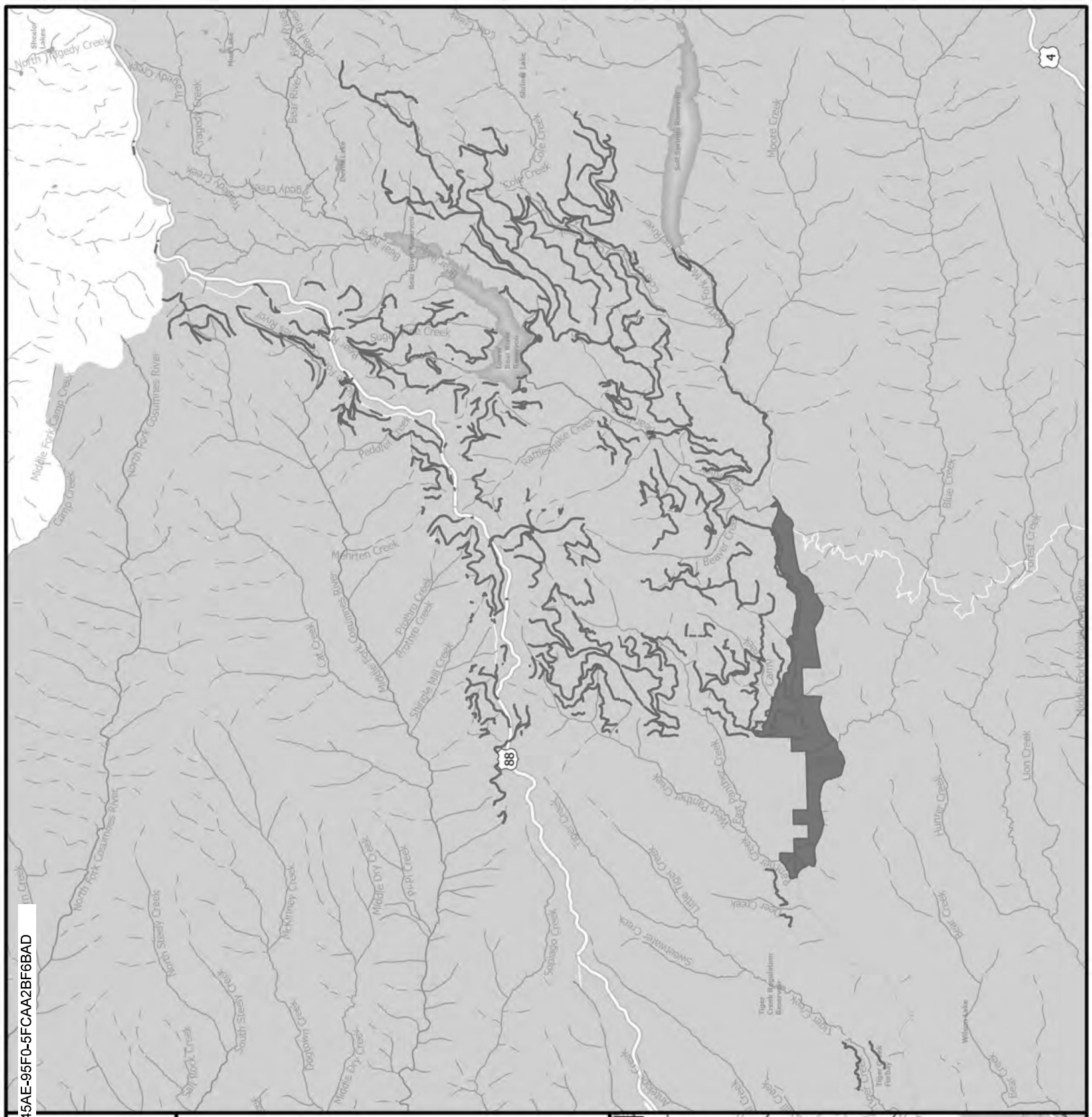
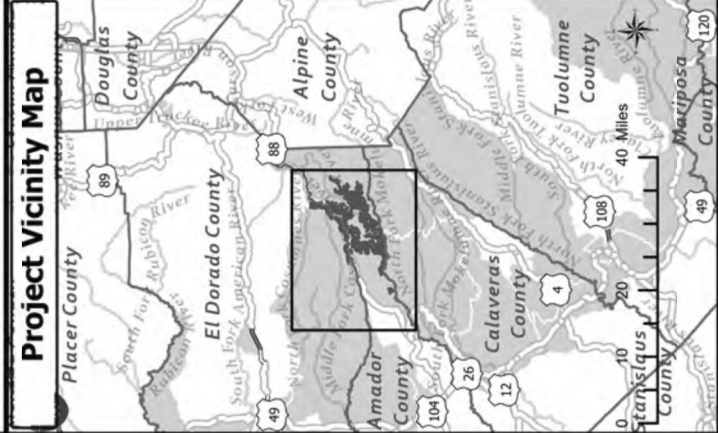
Legend

- Treatment Area
- Priority Populations (CES4, 2022 revise)**
 - 1, Disadvantaged Communities
 - 2, Disadvantaged & Low-income Communities
 - 3, Low-income Communities
 - 4, Low-income Communities w/in 0.5mi of DAC
 - 5, Low-income Households w/in 0.5mi of DAC
- Waterbodies
- Interstate
- Highway
- River, stream

0 0.75 1.5 3 Miles

Scale: 1:140,000

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(Phase 1) - Arbor (Phase 1A) Application ID: 47222480 Map 10: Treatment Match

Eldorado National Forest, Amador Ranger District
USDA U.S. Department of Agriculture
Upper Mokelumne River Watershed Authority

Legend

- Treatment Area
- Treatment Match (Prescribed Fire Follow-up)
- Forest Projects Plan (Phase 1) NEPA
- Waterbodies
- Interstate
- Highway
- River, stream
- National Forest

0 0.75 1.5 3 Miles

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Scale: 1:140,000
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