



## DEPARTMENT OF FORESTRY AND FIRE PROTECTION

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



July 1, 2019

Cybelle Immitt  
 County of Humboldt  
 1106 Second Street  
 Eureka, CA 95501

**5GG18105; Phase II – CWPP Implementation**

**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 Jason Butcher at (707) 726-1258 if you have questions concerning services to be performed.  
 Please contact Bobby Nguyen at (916) 651-6620 if you have any administrative questions or concerns.**

1.  Full grant agreement including terms and conditions, addendum, grant application form, scope of work, budget, and map enclosed. Print (single sided) and return three (3) sets of agreements with original signatures in blue ink. In addition, please return the attachment(s) below, as applicable to your organization, to be received by CAL FIRE no later than **August 30, 2019**.
  - Attachment 5 – Std. 204 Payee Data Record <http://www.documents.dgs.ca.gov/dgs/fmc/pdf/std204.pdf>
  - Attachment 7 – Board Resolution or Attesting Document granting authority to sign (non-profit and local entity applicants)

Return all originals and requested documents for further processing to:

Department of Forestry and Fire Protection  
 Attention: GMU/CCI FP  
 P.O. Box 944246  
 Sacramento, CA 94244-2460

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,

Bobby Nguyen  
 Grants Analyst  
 Grants Management Unit

Enclosures

CC: Joy Tucker  
 Jason Butcher  
 Tiffany Kelly

State of California  
 Dept. of Forestry and Fire Protection (CAL FIRE)  
 Office of the State Fire Marshal  
 GRANT AGREEMENT

APPLICANT: County of Humboldt  
 PROJECT TITLE: Phase II – CWPP Implementation  
 GRANT AGREEMENT: 5GG18105

**PROJECT PERFORMANCE PERIOD IS from Upon Approval through March 15, 2022.**

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 Dept. of Forestry & Fire Protection, agrees to fund the project up the total state grant amount indicated.

**PROJECT DESCRIPTION:** The HCFSC and its collaborators will facilitate community wildfire preparedness, resilience, and adaptation to wildfire by supporting and promoting activities to reduce structural ignitability and hazardous fuels. This will be achieved by creating defensible space compliance in 14 Humboldt County neighborhoods and approximately 28 residents as well as well as the implementation of roadside vegetation treatment/shaded fuel breaks.

**Total State Grant not to exceed \$ 497,102.00** (or project costs, whichever is less)

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

County of Humboldt


STATE OF CALIFORNIA  
 DEPARTMENT OF FORESTRY  
 AND FIRE PROTECTION

Applicant

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By   
 Signature of Authorized Representative

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By 

Title Thomas K. Mattson, Public Works Director

Title: Mike Richwine, State Fire Marshal, Acting

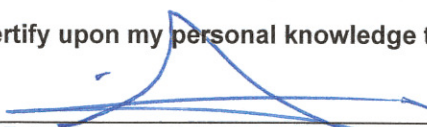
Date May 30, 2019

Date 6/19/19

**CERTIFICATION OF FUNDING**

AMOUNT OF ESTIMATE FUNDING <b>\$ 497,102.00</b>	GRANT AGREEMENT NUMBER <b>5GG18105</b>	PO ID <b>43258</b>		
ADJ. INCREASING ENCUMBRANCE <b>\$ 0.00</b>	SUPPLIER ID <b>12414</b>			
ADJ. DECREASING ENCUMBRANCE <b>\$</b>	PROJECT ID	ACTIVITY ID		
UNENCUMBERED BALANCE <b>\$ 497,102.00</b>	GL UNIT <b>3540</b>	BUD REF <b>001</b>	FUND <b>3228</b>	ENY <b>2018</b>
REPORTING STRUCTURE <b>35409205</b>	SERVICE LOC <b>91017</b>	ACCOUNT <b>5340580</b>	ALT ACC <b>5340580000</b>	

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

  
 SIGNATURE OF CAL FIRE ACCOUNTING OFFICER

**6/25/19**  
 DATE

TERMS AND CONDITIONS OF GRANT AGREEMENT

**I. RECITALS**

1. This Agreement, is entered into between the State of California, by and through the California Department of Forestry and Fire Protection (CAL FIRE), hereinafter referred to as “STATE” and County of Humboldt, hereinafter referred to as “GRANTEE”.
2. The STATE hereby grants to GRANTEE a sum (hereinafter referred to as “GRANT FUNDS”) not to exceed Four Hundred Ninety Seven Thousand One Hundred Two Dollars (**\$497,102.00**).
3. In addition to the terms and conditions of this Agreement, the STATE and GRANTEE agree that the terms and conditions contained in the documents set forth below are hereby incorporated and made part of this agreement.
  - a. Department of Forestry and Fire Protection (CAL FIRE) California Climate Investments Fire Prevention Grant Program Procedural Guide 2018-2019
  - b. The submitted Application, Scope of Work, Budget Detail, GHG Emissions Reduction Methodology and Exhibits
  - c. Addendum for Greenhouse Gas Reduction Fund (GGRF) Grant Projects

**II. SPECIAL PROVISIONS**

1. Recipients of GRANT FUNDS pursuant to California Public Resources Code Section 4124.5 shall abide by the provisions in this Agreement. This includes the requirement that work shall not commence prior to the execution of this Agreement by both parties. Any work started prior to the execution of this Agreement will not be eligible for funding under the terms of this Agreement.
2. As precedent to the State’s obligation to provide funding, GRANTEE shall provide to the STATE for review and approval a detailed budget, specifications, and project description. Approval by the STATE of such plans and specifications, or any other approvals provided for in this Agreement, shall be for scope and quality of work, and shall not relieve GRANTEE of the obligation to carry out any other obligations required by this Agreement, in accordance with applicable law or any other standards ordinarily applied to such work or activity.
3. All informational products (e.g., data, studies, findings, management plans, manuals, photos, etc.) relating to California’s natural environment produced with the use of GRANT FUNDS shall be available for public use.

**III. GENERAL PROVISIONS**

1. Definitions

- a. The term “Agreement” means grant agreement number 5GG18105.
- 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.

2. Project Representatives

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

STATE: CAL FIRE	GRANTEE: County of Humboldt
Section/Unit: HUU	Section/Unit:
Attention: Jason Butcher	Attention: Cybelle Immitt
Mailing Address: 118 Fortuna Blvd. Fortuna CA, 95540	Mailing Address: 1106 Second Street Eureka CA, 95501
Phone Number: (707) 726-1258	Phone Number: (707) 267-9542
Email Address: Jason.Butcher@fire.ca.gov	Email Address: CImmitt@co.humboldt.ca.us

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

### 3. Project Execution

- a. Subject to the availability of grant monies, the STATE hereby grants to the GRANTEE a sum of money (GRANT FUNDS) not to exceed the amount stated on Section I. RECITALS, Paragraph 2 in consideration of and on condition that the sum be expended in carrying out the purposes as set forth in the description of the Project in this Agreement and its attachments and under the terms and conditions set forth in this Agreement.
- b. GRANTEE shall assume any obligation to furnish any additional funds that may be necessary to complete the Project. Any amendment to the Project as set forth in the Application on file with the STATE must be submitted to the STATE for approval in writing. No amendment is allowed until written approval is given by the STATE.
- c. GRANTEE shall complete the Project in accordance with the time of Project performance set forth in this Agreement, unless an amendment has been approved and signed by the STATE under the terms and conditions of this Agreement. Amendments must be requested in advance and will be considered in the event of circumstances beyond the control of the GRANTEE, but in no event less than 90 days from the Agreement expiration date and in no event less than 60 days before the effective date of the amendment. Approval of amendment is at the STATE's discretion.
- d. GRANTEE certifies that the Project Scope of Work complies with all local, State, and federal laws and regulations.
- e. GRANTEE shall comply with the California Environmental Quality Act (CEQA) (Public Resources Code, Section 21000, et. seq. Title 14, California Code of Regulations, Section 15000 et. seq.) and all other local, State, and federal environmental laws. A copy of the certified CEQA document must be provided to STATE before any GRANT FUNDS are made available for any Project activity that could directly impact the environment (e.g. cutting, piling or burning bush, masticating, dozer work, etc.). CEQA compliance shall be completed within one (1) year from start date of the Agreement. The start date is considered the date the last party signs the Agreement. GRANT FUNDS will be made available in advance of CEQA compliance for project activities that do not have the potential to cause a direct environmental impact (e.g. project planning, locating and

marking property or project boundaries, contacting and signing up landowners, etc.).

- f. GRANTEE shall permit periodic site visits by representative(s) of the STATE to ensure program compliance and that work is in accordance with the approved Project Scope of Work, including a final inspection upon Project completion.
- g. GRANTEE, and the agents and employees of GRANTEE, in the performance of this Agreement, shall act in an independent capacity and not as officers, employees, or agents, of the STATE.

#### 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 specified herein, which is attached hereto, as Attachment 3 – Final Project Budget, and made a part of this Agreement.
- c. Equipment purchased using GRANT FUNDS, wholly or in part, must be used by the GRANTEE for the project which it was acquired. STATE retains a vested interest in the equipment for the useful life of the equipment, even after completion of the grant. GRANTEE shall provide written disposition of the equipment upon completion of the grant and upon any changes to the disposition of the equipment. Such disposition must be approved in advance by STATE. Equipment purchased using GRANT FUNDS cannot be used as collateral, financed, or sold without prior written approval from the STATE.
- d. GRANTEE shall submit, in arrears, not more frequently than once a month, and no less than quarterly, an invoice to the STATE for costs paid by GRANTEE pursuant to this Agreement. Each invoice shall contain the following information: the Agreement number, the dates or time period during which the invoiced costs were incurred, expenditures for the current invoice and cumulative expenditures to date by major budget category (e.g., salaries, benefits, supplies, etc.), appropriate supporting documentation, project progress reports, and the signature of an authorized representative of GRANTEE as detailed in the Invoice

Guidelines of the Procedural Guide for the CAL FIRE Fire Prevention Grant Program.

- e. GRANT FUNDS in this Agreement have a limited period in which they must be expended. All GRANTEE expenditures must occur prior to the end of the Project performance period of this Agreement.
- f. Except as otherwise provided herein, GRANTEE shall expend GRANT FUNDS in the manner described in the Project Budget Detail approved by the STATE. The dollar amount of an item in the Project Budget Detail may be increased or decreased by up to ten percent (10%) of the budget item through reallocation of funds from another item or items, without approval by the STATE; however, GRANTEE shall notify the STATE in writing in project progress reports when any such reallocation is made, and shall identify both the item(s) being increased and those being decreased. Any increase or decrease of an item of more than ten percent (10%) of the budget item must be approved in writing by the STATE before any such 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 to the CAL FIRE Representative identified in Item 2. The invoice may be submitted as hard copy or electronically.
- i. Notwithstanding any of the provisions stated within this Agreement, the STATE may at its discretion make advance payment from the grant awarded to the GRANTEE if GRANTEE is a nonprofit organization, a local agency, a special district, a private forest landowner or a Native American tribe. Advance payment made by the STATE shall be subject to the following provisions.
  - GRANTEE shall submit a written request identifying how funds will be used over a six-month period. The written request must be accompanied by an invoice that contains the same level of detail as a regular invoice.
  - GRANTEE shall file an accountability report with STATE four months from the date of receiving the funds and every four months thereafter.
  - Multiple advance payments may be made to a GRANTEE over the life of a project.
  - No single advance payment shall exceed 25% of the total grant amount and must be spent on eligible costs within six months of the

advance payment request. GRANTEE may request additional time to spend advance funds but must be approved in writing by the STATE. The balance of unspent advance payment funds not liquidated within the six-month spending period will be billed for the return of advanced funds to the STATE.

- All work under a previous advance payment must be fully liquidated via an invoice and supporting documentation and completed to the STATE's satisfaction before another advance payment will be made.
- Any advance payment received by a GRANTEE and not used for project eligible costs shall be returned to CAL FIRE. The amount will be returned to the grant balance.
- Advance payments must be deposited into an interest-bearing account. Any interest earned on advance payment funds must be accounted for and used toward offsetting the project cost or returned to the STATE.

#### 5. Budget Contingency Clause

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

#### 6. Project Administration

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

#### 7. Financial Records

- a. GRANTEE shall retain all records described in Section 7(c) below for three (3) years after final payment by the STATE. In the case an audit



occurs, all such records shall be retained for one (1) year from the date is audit is completed or the three (3) years, whichever date is later.

- b. GRANTEE shall maintain satisfactory financial accounts, documents, and records for the Project and make them available to the STATE for review during reasonable times. This includes the right to inspect and make copies of any books, records, or reports of GRANTEE pertaining to this Agreement or matters related thereto.
- c. GRANTEE shall keep such records as the STATE shall prescribe, including, but not limited to, records which fully disclose (a) the disposition of the proceeds of state funding assistance, (b) the total cost of the Project in connection with such assistance that is given or used, (c) the amount and nature of that portion of the Project cost supplied by other sources, and (d) any other such records as will facilitate an effective audit. All records shall be made available to the STATE, other State of California agency, or other entity as determined by the State of California for auditing purposes at reasonable times.
- d. GRANTEE shall use any generally accepted accounting system.

#### 8. Research

- a. GRANTEE that receives funding, in whole or in part, in the form of a research grant shall provide for free public access to any publication of a peer-reviewed manuscript describing STATE funded knowledge, STATE funded invention, or STATE funded technology shall be subject to the following conditions:
  - i. GRANTEE is responsible for ensuring that any publishing or copyright agreements concerning peer-reviewed manuscripts fully comply with this section
  - ii. GRANTEE shall report to STATE the final disposition of the peer-reviewed manuscript, including, but not limited to, if it was published, date of publication, where it was published, and, when the 12-month time period from official date of publication expires, where the peer-reviewed manuscript will be available for open access.
- b. For a peer-reviewed manuscript that is accepted for publication pursuant to the terms and conditions of this Agreement, the GRANTEE shall ensure that an electronic version of the peer-reviewed manuscript is available to STATE and on an appropriate publicly accessible repository approved by the state agency, including, but not limited to, the University of California's eScholarship Repository at the California Digital Library, the California State University's ScholarWorks at the Systemwide Digital Library, or

PubMed Central, to be made publicly available not later than 12 months after the official date of publication. GRANTEE shall make reasonable efforts to comply with this requirement by ensuring that the peer-reviewed manuscript is accessible on an approved publicly accessible repository, including notifying the state agency that the manuscript is available on a state-agency-approved repository. If the grantee is unable to ensure that his or her manuscript is accessible on an approved, publicly accessible repository, the grantee may comply by providing the manuscript to the state agency not later than 12 months after the official date of publication.

- c. For publications other than those described in (b), including scientific meeting abstracts, GRANTEE shall comply by providing the manuscript to the STATE not later than 12 months after the official date of publication.
- d. The grant shall not be construed to authorize use of a peer-reviewed manuscript that would constitute an infringement of copyright under the 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.

#### 8. Project Termination

- a. This Agreement may be terminated by the STATE or GRANTEE upon 30-days written notice to the other party.
- b. If either party terminates the Agreement prior to the completion of the Project, GRANTEE shall take all reasonable measures to prevent further costs to the STATE under the Agreement and the STATE shall be responsible for any reasonable and non-cancelable obligations incurred by GRANTEE in the performance of this Agreement prior to the date of the notice to terminate, but only up to the undisbursed balance of funding authorized in this Agreement.

- c. Failure by GRANTEE to comply with the terms of this Agreement may be cause for suspension of all obligations of the STATE hereunder at the discretion of the STATE.
- d. Failure of GRANTEE to comply with the terms of this Agreement shall not be cause for the suspension of all obligations of the STATE hereunder if in the judgment of the STATE such failure was due to no fault of GRANTEE. At the discretion of the STATE, any amount required to settle at minimum cost any irrevocable obligations properly incurred shall be eligible for reimbursement under this Agreement.
- e. Final payment to GRANTEE may not be made until the STATE determines the Project conforms substantially to this Agreement.

#### 9. 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 indemnity (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.

#### 10. Tort Claims

##### FEDERAL:

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

STATE:

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

11. 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.

12. 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.

13. 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.

14. 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.

15. Assignment

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

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. Greenhouse gas emissions must be calculated using the CARB Greenhouse Gas Quantification Methodology applicable to the grant program (<https://ww2.arb.ca.gov/resources/documents/cci-quantification-benefits-and-reporting-materials>).
4. 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.
5. 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.
6. 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 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 as part of the California Climate Investments Program.”*

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

Guidance on California Climate Investments logo usage, signage guidelines, and high-resolution files are contained in a style guide available at:

[www.caclimateinvestments.ca.gov/logo-graphics-request](http://www.caclimateinvestments.ca.gov/logo-graphics-request).

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:

“Phase II – CWPP Implementation Project is part of 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](http://www.caclimateinvestments.ca.gov).”



**California Department of Forestry and Fire Protection (CAL FIRE)**  
**California Climate Investment**  
**Fire Prevention Program Grant Application**  
**Fiscal Year 2018-19 Funding Opportunity**



Please fill out this form completely. Be sure to save a copy of this form for your records. Submit 1 printed copy with original signature(s) and 1 electronic copy and all supporting materials to: **California Department of Forestry and Fire Protection, Attention: Grants Management Unit - Fire Prevention Program, P.O. Box 944246, Sacramento, CA 94244-2460**. E-mail an electronic copy to [CALFIRE.Grants@fire.ca.gov](mailto:CALFIRE.Grants@fire.ca.gov). Be sure to include all attachments.

**1. Project Tracking #:**  CalMapper ID:

Project Name/Title:

County:  CAL FIRE Unit/Contract County:  Please use this 3-letter Unit identifier for file naming (see question 14)

**2. Organization Type:**  If Other, please specify:

If Non-Profit, are you a registered 501(c)(3)?

**3. Sponsoring Organization:**

**Project Manager** Title:

First Name:  Last Name:

Address 1:

Address 2:

City:  State:  Zip Code:

Phone Number:  Secondary Phone Number:

Email Address:  Fax Number:

**4. For which primary activity is funding being requested?**

**5. Grant Period:** Please provide the estimated start date and completion date for your project. Projects **MUST** be completed by March 15, 2022. Note that final billing is due 30 days after project completion. Please use MM/DD/YYYY format.

Project Start Date:  Project Completion Date:

**6. Limiting Factors:**

Are there any existing forest or land management plans; Conservation Easements; Covenant, Conditions & Restrictions (CC&R's); matters related to zoning; use restrictions, or other factors that can or will limit the fire prevention proposed activity?

If checked, describe existing plan(s) and the limitations, if any, in the attached Scope of Work.

**7. Timber Harvest Plans:**

For fuel reduction projects, is there a timber harvesting document on any portion of the proposed project area for which a "Notice of Completion" has not been filed with CAL FIRE?

If checked, provide the THP identification number and describe the relationship to the project in the attached Scope of Work document.

THP ID Number:

**8. Community at Risk:** Is the project associated with a community that is listed as a Community At Risk? See

[http://osfm.fire.ca.gov/fireplan/fireplanning\\_communities\\_at\\_risk.php](http://osfm.fire.ca.gov/fireplan/fireplanning_communities_at_risk.php)

Yes  No

If yes, what is the name of the community? If none, enter "none".

Number of Communities in the project area:

**9. Disadvantaged/Low Income Community:** Is the project associated with a low income community that is listed as a Community At Risk? See

<https://www.arb.ca.gov/cc/capandtrade/auctionproceeds/communityinvestments.htm>

Yes  No

If yes, select all that applies:  Disadvantaged  Low Income  Both  Buffer Zone

**10. Describe how your proposal would reduce the total amount of wildfire (and thereby reduce wildfire emissions) around communities, homes, infrastructure, and other highly valued resources. Please focus on GHG benefits.** (limited to space provided):

This project will increase and improve defensible space in Humboldt County neighborhoods and reduce hazardous fuels along County roads. These activities will increase the resilience of local communities to damage from wildfire. The objectives of this project will help reduce Greenhouse Gas emissions through the prevention of catastrophic wildfire and associated carbon release. Chipping will be used as the method of disposal for the brush created through fuels reduction activities. Chipping avoids emissions that would normally occur through burning piles.

**11. Project Budget:**

What is the proposed budget? Please include a discussion of the project budget in the Scope of Work and enter the amount from the Project Budget workbook (.xls).

**Budget Item** **Amount**

Grant Funding Requested (\$)

NOTE: Grant Funding Requested must match "Total Grant Proposed Costs" on Project Budget Sheet.

Partners (\$)

**12. Local Wildland Fire Risk Reduction Plans:**

Is the project in, consistent with, or build on a larger plan that deals with the risk and potential impact to habitable structures in the WUI covered by this project? If so, discuss in the Scope of Work. **Select all that apply.**

- CAL FIRE Unit Strategic Fire Plan
- County Fire Department Strategic Fire Plan
- Other Local Plan (Identify in Scope of Work)
- Homeowners' Association Plan
- Local Fire Department Plan
- Local Hazard Mitigation Plan
- Fire Safe Council Action Plan
- FIREWISE Community Assessment
- Community Wildfire Protection Plan

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**13. CEQA Compliance:**

Describe how compliance with the California Environmental Quality Act (CEQA) will be achieved in the Scope of Work. Is there an existing (CEQA) document that addresses this project or can be used to meet CEQA requirements?

Please indicate the CEQA document type:

*For planning, education and other projects that are exempt from CEQA, select "Not Applicable".*

Document Identification Number

**14. Application Submission:**

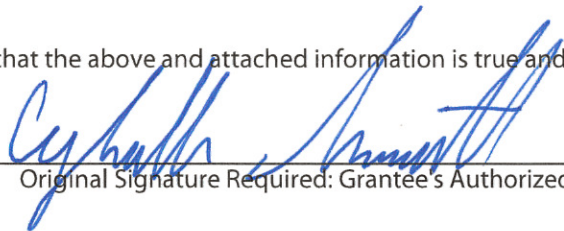
**NOTE TO APPLICANT:** If you modify the language contained in any part of this document, other than to fill in the blanks, or to provide requested information, your application will be rejected.

Note: Replace XXXX in the file name with the project's ID Number.

Note: Replace UUU in the file name with the 3-letter identifier for the Unit where the project is located. Unit identifiers are listed in the instructions for this application form.

US Mail	Email	Attachments	File Name
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Application Form (.pdf)	<input type="text" value="18-FP-HUU-1170-Application.pdf"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Scope of Work	<input type="text" value="18-FP-HUU-1170-SOW.doc"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Project Budget	<input type="text" value="18-FP-HUU-1170-Budget.xls"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Project Map (.pdf)	<input type="text" value="18-FP-HUU-1170-MAP.pdf"/>
<input type="checkbox"/>	<input type="checkbox"/>	Articles of Incorporation (.pdf)	<input type="text" value="N/A (County)"/>

I certify that the above and attached information is true and correct:

  
Original Signature Required: Grantee's Authorized Representative

12/19/18  
Date Signed

Printed Name

Title

Executed on:   
Date

at   
City

Please fill out this form completely. Be sure to save a copy of this form for your records. Submit one (1) electronic copy in fillable PDF format with all supporting materials to [CALFIRE.Grants@fire.ca.gov](mailto:CALFIRE.Grants@fire.ca.gov). Please use "Fire Prevention Program Project Application" in the E-mail subject line and include yourself as a cc. Your CC will be proof of your submittal. In addition, submit one (1) hard copy with signatures and all supporting materials to : **California Department of Forestry and Fire Protection, Attention: Grants Management Unit - Fire Prevention Program, P.O. Box 944246, Sacramento, CA 94244-2460**. Hard copy will need to be postmarked no later than **December 19, 2018**. Electronic copy must be submitted no later than **December 19, 2018 at 3:00 pm PST**. Applications postmarked after this date and time will be considered late.

If you would like to mail the hard copy via expedited/overnight mail, please E-mail [CALFIRE.Grants@fire.ca.gov](mailto:CALFIRE.Grants@fire.ca.gov) for the physical mailing address.

Tracking #: 18-FP-HUU-1170

Project Name: Phase II – CWPP Implementation



California Department of Forestry and Fire Protection  
(CAL FIRE) California Climate Investments  
Fire Prevention Grants Program  
Project Scope of Work



**Project Name: Phase II – CWPP Implementation**

**Project Tracking Number:** 18-FP-HUU-1170

***Project Description Summary: Please provide a paragraph summarizing proposed project including the location, habitable structures, acres treated, etc.***

The proposed project is designed to kick off the implementation of the recently updated Humboldt County Community Wildfire Protection Plan (CWPP) with a burst of activity. The CWPP update, which will be complete in early 2019, represents Phase I of the Humboldt County Fire Safe Council's (HCFSC) increased focus on preparing local communities for wildfire. The proposed Phase II – CWPP Implementation Project will use the recently updated CWPP as an action guide, achieving some of the objectives of the Wildfire Preparedness Goal of the Countywide Action Plan. Specific model project locations will be selected through the evaluation of the action plans developed for each of the 14 planning units within the county—geographic units of analysis developed for the purposes of localized fire planning. Project sites will be selected based on level of wildfire risk; community priority (as identified in the CWPP) and likely levels of participation; and how well they will demonstrate best practices and inspire community learning and momentum for additional projects. Within each of the 14 model project locations, a chipper day will be completed to assist with the disposal of green waste generated from residents creating and maintaining their own defensible space; defensible space assistance will be provided for at least 2 homes of senior citizen/elderly, disabled, and/or low income residents (approximate total of 28 homes); and educational materials will be mailed to those residing within the focus area. A localized brochure, explaining how to fire-safe (or “harden”) Humboldt County homes will be designed, produced, and distributed throughout the project areas and beyond (mailed and posted on social media). The model projects will be sited and developed in collaboration with the Humboldt County Fire Safe Council (HCFSC), particularly the Wildfire Preparedness Working Group; CAL FIRE Humboldt-Del Norte Unit (HUU) staff; local Fire Safe Councils (FSCs) and Firewise Communities; Humboldt-Del Norte University of California Cooperative Extension (UCCE) staff; and community stakeholders who were involved in the recent CWPP update process. In addition, 99 days of roadside fuels reduction work will be completed to support safe evacuation and firefighter response. This work will initiate a new partnership between the Humboldt County Public Works Roads Maintenance Division and the HCFSC, which is managed by the Humboldt County Public Works Environmental Services Division. This grant will help the county develop systems to combine existing road maintenance efforts with priorities identified in the CWPP. Roadside fuels reduction will take place in priority locations identified through the method described above, and, where possible, will be linked to locations hosting model projects in order to maximize effectiveness of the fuel treatments. The experience gained through implementing the Phase II – CWPP Implementation Project will be used to fine-tune an approach to community wildfire preparedness in subsequent implementation phases.

**A. Scope of Work**

This item is broken into project specific criteria depending on the type of project being proposed: planning, education or hazardous fuel reduction. Please **answer one section of questions** that pertain to the primary activity type for your project.

**Section 1: Hazardous Fuel Reduction/Removal of Dead or Dying Tree Projects**

**1. Describe the geographic scope of the project, including an estimate of the number of habitable structures and the names of the general communities that will benefit.**

The scope of the proposed project is countywide with the intention of conducting some work within each of the 14 CWPP planning units. Community identified projects within each planning unit were recently updated as part of the CWPP update process. These projects are currently being evaluated and refined for inclusion in the final 2019 CWPP update and associated web based GIS portal ([https://webgis.co.humboldt.ca.us/HCeGIS2.6\\_cwpp](https://webgis.co.humboldt.ca.us/HCeGIS2.6_cwpp)), the expected publication date of which is early 2019. The maps provided with this application illustrate a draft of the updated project recommendations. If this project is selected for funding, the final maps, which are currently still under development, will be used to guide the selection of model project locations.

The county is divided into the following planning units and a draft map is provided for each area:

- |                            |                          |
|----------------------------|--------------------------|
| 1. Orick–Redwood Park      | 8. Humboldt Bay Area     |
| 2. Upper Yurok Reservation | 9. Kneeland–Maple Creek  |
| 3. Mid Klamath             | 10. Eel                  |
| 4. Hoopa                   | 11. Mad–Van Duzen        |
| 5. Trinidad                | 12. Mattole–Lost Coast   |
| 6. Redwood Creek           | 13. Southern Humboldt    |
| 7. Willow Creek Area       | 14. Avenue of the Giants |

Potential habitable structures affected by this project could be as many as 3,000 homes depending on the fire start and conditions. In addition, a home hardening brochure will be created and distributed with the intention of informing and inspiring action that will protect even more structures from wildfire.

**2. Describe the goals, objectives, and expected outcomes of the project.**

Goal:

The Phase II CWPP Implementation project will help the county work towards the Wildfire Preparedness Goal of the CWPP Countywide Action Plan to increase community resilience and adaptation to wildfire.

Objectives:

The HCFSC and its collaborators will facilitate community wildfire preparedness, resilience, and adaptation to wildfire by supporting and promoting activities to reduce structural ignitability and hazardous fuels.

Outcomes:

- Incentivized defensible space compliance in 14 Humboldt County neighborhoods through the sponsorship of chipper days during which materials generated by residents creating and maintaining defensible space are chipped for free.
- The creation of defensible space around the homes of approximately 28 residents who meet the criteria for senior citizen/elderly, disabled, and/or low income.
- Improved safety for evacuation and firefighter response through the implementation of roadside vegetation treatment/shaded fuel breaks.
- Increased awareness of how to fire-safe (or “harden”) Humboldt County homes through the production and distribution of a localized brochure.
- Active local Firewise communities (existing and new) inspired and supported by the sponsorship of chipper days, defensible space assistance, and educational outreach within their areas of focus.

**3. Provide a clear rationale for how the proposed project will reduce the risks associated with wildfire to habitable structures in the WUI.**

The roadside fuels reduction and defensible space completed and incentivized through this project will reduce the risk of wildfire damage to homes in WUI neighborhoods. Most of the communities which will be reviewed and selected for a model project are isolated and rural in nature. Homes as well as community infrastructure are embedded within the WUI in such a way that one structural ignition could cause a chain reaction that ignites several more.

Creating and maintaining defensible space will decrease the likelihood of a wildfire spreading into home ignition zones and provide firefighters with the option to deploy their resources to protect the home, thereby reducing the risk of structure loss. Well-managed vegetation will also decrease wildfire intensity, making it less likely to ignite structures and minimize the potential destructive impacts of embers. By reducing the ignition potential on individual properties, the threat of wildfires spreading into the greater community or the wildlands will be reduced. Preventing house fires from spreading into wildlands as readily can also reduce the federal and state costs of wildfire suppression.

**4. Identify any additional assets at risk to wildfire that will benefit from the proposed project. These may include, but are not limited to, domestic and municipal water supplies, power lines, communication facilities and community centers.**

The built infrastructure within the neighborhoods selected for model projects and roadside fuels reduction will benefit from the proposed activities. This includes power lines, water supplies, and communication facilities as well as many of the community identified values near project locations. Reducing wildfire hazards within these areas and along selected road segments will decrease wildfire ignition potential as well as wildfire intensity and rate of spread should one occur.

**5. Is the scale of the project appropriate to achieve the stated goals, objectives and outcomes discussed in Item 2 above?**

Yes, the goals, objectives, and outcomes of this project will be achieved at the appropriate scale. Conducting the proposed activities on a larger scale would have more impact but we believe that designing this work as a model that can be learned from, refined, and replicated in new priority areas throughout the county will have long-lasting benefits. The value of this project is much more than the number of acres and homes treated. Lessons learned, strategies refined, and partnerships solidified will be used to support successful future phases of this work. This project will kick off CWPP implementation and initiate momentum that will result in broader understanding of and generate enthusiasm for reducing wildfire risks. Before the end of this project, stakeholders within each of the 14 planning units will know about their unit action plan and understand how to use it to guide action.

**6. How will the project/activity utilize the left over woody biomass? Will the project/activity use a biomass facility to reduce greater greenhouse gas emissions?**

The chips generated through the fuels reduction work associated with this project will be used on site as mulch, where appropriate, and in some cases hauled away to a green waste facility for composting.

**B. Relationship to Strategic Plans**

***Does the proposed project support the goals and objectives of the California Strategic Fire Plan, the local CAL FIRE Unit Fire Plan, a Community Wildfire Protection Plan (CWPP), County Fire Plan, or other long term planning document?***

The proposed project is aligned with actions identified in the 2013 Humboldt County CWPP as well as the expanded goals of the 2019 CWPP update (to be completed in early 2019); the 2014 Humboldt Operational Area Hazard Mitigation Plan; and numerous Firewise Community Assessments.

The proposed project will implement priority actions of the Humboldt County CWPP Wildfire Preparedness Goal. Specifically, this project supports implementation of priority action 3.2.1-1 Create and distribute a brochure on how to fire-safe (or “harden”) your Humboldt County home; 3.2.3-1: Collaborate to create defensible space for elderly and disabled residents who are not able to do this for themselves; 3.2.3-2: Identify priority-interface areas for implementation of defensible space and hardened homes on private properties; and 3.2.5-1 Help County Roads Maintenance implement fuel-reduction projects for safe ingress and egress, and to serve as strategic fire breaks. In addition and somewhat indirectly, this project will support priority action 3.2.4-1: Support the formation of new fire safe councils and Firewise communities to coordinate local community wildfire-preparedness efforts. It is possible that the work proposed in this CWPP will inspire areas without a wildfire preparedness organization to create one. Project activity is often a catalyst for action.

The final draft of the 2019 CWPP is being developed and sections are being posted here as they are ready: <https://humboldt.gov/fireplanfinal>.

The 2014 Humboldt Operational Area Hazard Mitigation Plan reinforces the goals of the CWPP stated above through inclusion of Initiative HC-6: Implement priority recommendations from the Humboldt County Community Wildfire Protection Plan.

There are currently nine Firewise Communities within Humboldt County, each of which has completed a Firewise Community assessment and action plan. All nine action plans include recommendations to increase defensible space and reduce fuels on private property, and in some cases along roads. This project will further the implementation of these Firewise Community action plans and help existing Firewise Communities meet their annual progress obligations.

The project is also consistent with the CAL FIRE Unit Plan and California Strategic Fire Plan. The Strategic Fire Plan for the Humboldt – Del Norte [CAL FIRE] Unit’s singular, pre-fire planning goal is to increase the number of Firewise Communities in the region. While this project will not directly increase that number, it will support the success of existing Firewise Communities and will create valuable demonstration projects in neighborhoods that have yet to achieve Firewise status. Furthermore, the Plan incorporates by reference the community-identified pre-fire projects published in the 2013 Humboldt County CWPP. The project database has been and will continue to be updated to reflect the recommendations in the final 2019 CWPP (interactive web map available here: [https://webgis.co.humboldt.ca.us/HCeGIS2.6\\_cwpp](https://webgis.co.humboldt.ca.us/HCeGIS2.6_cwpp)). This project will rely on this database of community identified priorities to help select the best locations for this phase of CWPP implementation.

The 2018 California Strategic Fire Plan lays out eight distinct goals intended to “enhance the protection of lives, property and natural resources from wildland fire, as

well as improve environmental resilience to wildland fire”. The goals emphasize fire hazard reduction, community education and action, and implementation of local, county, and regional plans—all of which will be addressed by the implementation of the proposed project.

Notably, all communities that will be included in this project are communities at risk as identified in the CWPP and the Federal Register (2001).

### **C. Degree of Risk**

- 1. *Discuss the location of the project in relation to areas of moderate, high, or very high fire hazard severity zone as identified by the latest Fire and Resource Assessment Program maps. Fire hazard severity zone maps by county can be accessed at:***

[http://www.fire.ca.gov/fire\\_prevention/fire\\_prevention\\_wildland\\_zones\\_maps.php](http://www.fire.ca.gov/fire_prevention/fire_prevention_wildland_zones_maps.php)

While implementation of the project will occur countywide, fire hazard severity will be a heavily weighted factor in the process used to select the locations of model projects in each planning unit. Forty-five percent of Humboldt County is classified Very High, 48% high, and only 4% Moderate, the remainder being unclassified as unzoned or water, etc. Generally, Humboldt County’s coastal areas and river valleys with fog influence are rated Moderate, the western side of the county is rated High, and the eastern side of the county is rated Very High Fire Hazard Severity.

- 2. *Describe the geographic proximity of the project to structures at risk to damage from wildfire in the WUI.***

The focus of the project will be on neighborhoods within the wildland-urban interface (WUI). The remoteness and, in many cases, steep topography of these areas greatly increase the threat posed by wildfire. Fire equipment and personnel can be limited in their access to suppress wildfires in these areas. This issue would be compounded if a large conflagration were to break out at a time when local fire resources have been called to wildfires in other areas of the state; the consequences could be catastrophic for affected WUI neighborhoods. Based on observations of construction design, home siting and quality of defensible space throughout the county, many homes are vulnerable to ignition from wildfires—even embers from far off fires. Following the guidance of the Humboldt County CWPP, multiple hazard reduction activities will be carried out simultaneously to maximize effectiveness and risk reduction within each WUI neighborhood selected for a model project.

## **D. Community Support**

### **1. *Does the project include any matching funds from other funding sources or any in-kind contributions that are expected to extend the impact of the proposed project?***

There will be significant participation from the members of the Humboldt County FSC (particularly the Wildfire Preparedness Working Group), members of local fire departments, and CAL FIRE to help vet community identified projects recommended in the CWPP and select the most feasible and appropriate as a starting point for initiating CWPP implementation. In addition, County staff will collaborate with local FSCs, Firewise Communities, other community service groups, and individuals within each of the 14 planning units to help plan chipper days, identify residents eligible for defensible space assistance, and conduct outreach. Stakeholder involvement will be tracked and reported as in-kind match either at the actual pay rate of the participant or based on the Independent Sector's volunteer rate, which is currently \$29.09 per hour. The in-kind match estimated in the budget is the lowest possible amount that can be reasonably expected from planning partner support of and participation in project implementation. The actual match contribution will likely be much higher. County staff is committed to tracking these in-kind contributions from stakeholders and will ensure that the proper documentation is submitted.

County staff will also work closely with UCCE staff to review existing resources for educating residents about how to harden their homes against wildfire and develop a simplified and localized brochure. UCCE has committed \$2,000 of in-kind match to support this effort as well as the general delivery of the CWPP Implementation Project. County staff will also be collaborating with UCCE on the implementation of a USDA funded prescribed fire outreach project administered through the California Fire Safe Council grant clearinghouse. There is the potential to complement the defensible space and roadside fuels reduction benefits of the proposed Phase II – CWPP Implementation Project with the landscape level benefits of increased use of prescribed fire in the area surrounding model projects. If a strong enough link can be made, there is the possibility of counting the federal grant funds as match (2018 Grants Clearinghouse Fire Prevention Program, Restoration of Beneficial Fire 2018 Project).

CAL FIRE HUU staff will also be key implementation partners for this project. HUU Pre-fire Planning Battalion staff will be involved through their role on the HCFSC; each geographic Battalion Chief will be consulted about specific priority neighborhoods identified in the CWPP. Their collective expertise will help vet community identified CWPP recommendations and match grant funds with the most critical locations to receive the benefits provided by this phase of CWPP implementation.

The intention is to build and solidify a project implementation team that will gain experience working together and continue to support CWPP implementation beyond the life of this one grant program. In addition, we hope to inspire local representatives within each planning unit to become familiar with their unit action plan and understand how it can be used to support action.



**2. Describe plans for external communications during the life of the project to keep the effected community informed about the goals, objectives and progress of the project. Activities such as planned press releases, project signage, community meetings, and field tours are encouraged.**

Keeping the community informed about CWPP implementation will be a priority for this project. Project progress updates will be posted on the HCFSC website and Facebook page. The project will also be promoted through the local media including announcements on the radio, and at fire chiefs' association meetings, fire safe council meetings, and community events. Local and County fire safe council members, elected officials (such as the Humboldt County Board of Supervisors), and fire department representatives within each planning unit will be counted on to spread the word widely through their networks and promote participation in the chipper days. Word-of-mouth has also proven to be a very effective means of raising awareness about programs at the very local level. Keeping the successes of this project in the public eye is hoped to inspire continued momentum towards taking collective action to increase wildfire preparedness.

**3. Describe any plans to maintain the project after the grant period has ended.**

The County CWPP has been used effectively to plan projects and leverage resources and funding to support action. We anticipate that it will continue to be a useful tool to leverage support for maintaining the work completed with the support of this grant. We intend to continue to seek funding, partnerships, and support to incentivize and assist with implementing the CWPP, which includes maintenance of fuels reduction projects. It has also been observed that many who receive assistance to initiate this type of work are inspired to maintain it and, in some cases, expand upon it.

**4. Does the proposed project work with other organizations or agencies to address fire hazard reduction at the landscape level?**

Yes. This project is one component of a multifaceted wildfire resilience strategy that includes preparing homes, yards, and landscapes for wildfire to reduce negative wildfire impacts. This phase of CWPP implementation is focused on defensible space, a sampling of roadside fuels reduction work, and educating residents about hardening their homes. We believe that reducing fire hazards around homes and roads can help mitigate the potential for fires originating from the home spreading into the larger landscape. In addition, efforts will be made to site our model projects in locations where landscape projects have been completed or are planned.

Local HUU CAL FIRE staff use the CWPP community identified projects map data to plan some of their roadside and landscape fuels reduction work. We have a close working relationship with those members of staff and will look for opportunities to tie in with their projects and ensure that we are not duplicating efforts. In addition, the North Coast Resource Partnership is working with the California Natural Resources Agency

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and Department of Conservation to develop a block grant project scope for the North Coast region which includes Humboldt County. These funds are intended to be used to support the completion of forest resiliency demonstration projects on the landscape level. As feasible, we will tie our neighborhood level resiliency model projects to that effort. When there is no planned landscape level work near model project sites we will consider the development of such projects for that area in future CWPP implementation phases.

Lastly, we believe that the more resilient the homes in our communities are to the impacts of fire, the more feasible it will be to increase the use of prescribed fire, which is a key landscape fuels management tool. Over time, through strategic CWPP implementation, we would like to see model fire-adapted communities emerge where home hardening has been addressed, residents maintain their defensible space, and the surrounding landscapes are managed through multiple methods for wildfire resilience. The proposed project, in coordination with our 2018 Grants Clearinghouse Fire Prevention Program funded “Restoration of Beneficial Fire 2018 Project”, represents a few more steps in that direction.

## **E. Project Implementation**

### ***1. Discuss the anticipated timeline for the project. Make sure to take seasonal restrictions into account.***

This project is anticipated to begin in September of 2019 and run through March 15, 2022. We anticipate that during the first year, most of the effort will be invested in reviewing community identified projects in the 2019 CWPP and selecting locations for model projects and roadside fuels reduction work; completing environmental compliance review and documentation; recruiting and establishing agreements with contractors; securing landowner agreements for work on private land; and developing the educational brochure and project outreach materials. The second year of the project is when most of the on the ground work will take place.

Each year of the program, the bulk of the roadside clearance work will be planned to avoid the breeding and fledgling season for Migratory Bird Treaty Act (MBTA) species. If work needs to occur during that period, avoidance measure will be taken to ensure that MBTA species and nests are not disturbed.

### ***2. Verify the expected timeframes to complete the project will fall under the March 15, 2022 deadline.***

All work associated with this project will be completed before March 15, 2022.

### ***3. Describe the milestones that will be used to measure the progress of the project.***

1. Project Management: Documentation of all necessary grant program requirements, including invoicing, reporting, record keeping, and completion of deliverables.

2. Chipper Program:
  - a. Approximately fourteen Chipper days will be planned and completed within priority neighborhoods as identified in the CWPP.
3. Defensible Space Assistance:
  - a. Approximately twenty-eight residences of elderly, disabled, and/or low-income participants will be identified and defensible space will be created for those homes.
4. Educational Materials:
  - a. The production and distribution of one localized brochure designed to educate residents about how to fire-safe (or “harden”) their Humboldt County home. In addition, a handout and form will be developed and distributed to prepare target communities for the planned chipper days.
5. Roadside Clearance:
  - a. Approximately 99 days of crew work will be conducted to manage hazardous roadside vegetation. Conditions throughout the county vary greatly from planning unit to planning unit, so the number of acres treated is difficult to estimate. However, based on the experience of County Road Maintenance staff and CAL FIRE Unit staff involved in roadside clearance projects, we estimate that the treatment acreage could range from 65 to 75 acres.
  - b. An “Ed’s Head” trailer that will be dedicated to chipping the material generated from roadside clearance work will be purchased. This equipment will also continue to be used after the life of this project for future roadside fuels reduction work.

**4. Describe measurable outcomes (i.e. project deliverables) that will be used to measure the project’s success.**

Project deliverables will include quarterly reports and invoices; mapping of the completed work provided to CAL FIRE for CAL MAPPER; before and after photos provided to document 14 chipper days, approximately 28 defensible space projects, and roadside fuels reduction work. In addition, copies of outreach materials used to educate residents about hardening their homes will be provided.

**5. If applicable, how will the requirements of the California Environmental Quality Act (CEQA) be met?**

The prescription for this work includes chipping and lop and scatter, as appropriate, and does not include burning. The chipper days and defensible space assistance will not require CEQA review. The County of Humboldt will prepare and file a Notice of Exemption modeled after what our CAL FIRE Unit staff uses for their roadside fuels reduction projects. We anticipate that the CEQA requirements will be met with a Categorical Exemption.

## F. Administration

- 1. Describe any previous experience the project proponent has with similar projects. Include a list of recent past projects the proponent has successfully completed if applicable. Project proponents having no previous experience with similar projects should discuss any past experiences that may help show a capacity to successfully complete the project being proposed. This may include partnering with a more experienced organization that can provide project support.**

Humboldt County Natural Resources Planning (NRP) staff has experience managing numerous grants involving a range of funding agencies and dollar amounts. Grant amounts range from just a few thousand dollars to millions of dollars. Experience includes the following:

- Administration of County funds received through the Secure Rural Schools and Community Self-Determination Act, Title III to support a CWPP and Firewise program. Through these grants, nine communities have received and maintained national Firewise recognition. In addition, these funds have been managed to maintain the County CWPP and support the creation or update of several local CWPPs.
- Administration of a CAL FIRE State Responsibility Area Fire Prevention grant to support the most recent update of the County CWPP. NRP staff is managing the project and has contracted with a consultant to assist with the completion of the work.
- Administration of five California Fire Safe Council Clearinghouse grants, funded by the United States Department of Agriculture. Through these grants, the County has gathered data and conducted community outreach to maintain the County CWPP and implemented the Fire-Adapted Landscapes and Safe Homes (FLASH) Program (4 grants), resulting in over 800 acres of hazardous fuels reduction on residential properties, as well as hundreds of home wildfire risk assessments. The County was recently awarded a sixth grant through the Clearinghouse to assist UCCE staff with education and outreach to support increased use of safe and effective prescribed fire on private lands within Humboldt County (\$55,000).
- Completed two FEMA grant projects, to create, and later update the multi-agency, multi-hazard Humboldt Operational Area Hazard Mitigation Plan.
- Serve as the regional administrator for the seven county North Coast Resource Partnership (NCRP), Integrated Regional Water Management (IRWM) grant program. Humboldt County NRP staff provides administration and oversight for Propositions 84 and 1 water bond funded projects in the North Coast Region. To date, grant administration has been successfully provided for over \$65 million in grant funding for water and energy-related projects in the North Coast region. Project benefits range from improving water supply and quality to addressing the socioeconomic needs of disadvantaged communities. NRP staff is gearing up to administer the most recent round of Proposition 1 IRWM funds (\$12,720,000).

**2. Identify who will be responsible for tracking project expenses and maintaining project records in a manner that allows for a full audit trail of any awarded grant funds.**

Natural Resources Planning Manager, Cybelle Immitt, with assistance from an Environmental Analyst on staff, will be the lead on this project. Cybelle has over fifteen years of grant management experience and is familiar with guiding projects to successful outcomes, tracking expenses, preparing reports and invoices, and maintaining auditable project records. Cybelle also has experience with developing projects to implement the County CWPP. In addition, she has the privilege of working closely with members of the Humboldt County Fire Safe Council who also have experience with grant administration and CWPP implementation.

**G. Budget**

**1. Explain how the grant funds, if awarded, will be spent to support the goals and objectives of the project. If equipment grant funds are requested, explain how the equipment will be utilized and maintained beyond the life of the grant.**

Grant funds will be spent to support County staff and multiple contractors to achieve the goals of this proposed project. Funding will also be used to cover travel expenses and buy supplies. These expenditures are explained in more detail in # 5 below.

A chipper and associated Ed's Head (Trailer with portable toilet) will also be purchased with grant funds. This equipment will be used to support increased countywide efforts to implement roadside fuels reduction projects identified in the CWPP. We understand the maintenance and operations expenses that we would be taking on and are prepared to absorb those costs (estimated at \$14,000 per year). After the performance period of this grant, the county will continue to use and maintain the purchased equipment in a similar manor to existing road maintenance and vegetation management equipment. The equipment purchased with these grant funds will be used for many years after this particular project to continue ever needed roadside fuels reduction work. It will also help us leverage future CWPP implementation funding because we will be able to claim its use as match.

The proposed project budget is scalable. If only partial funding is available, the project is designed in a way that the number of days of work and associated quantity of acres or homes or chipper days can be reduced without compromising the entire project. A smaller start on our CWPP implementation will still help us learn a lot from our model project approach that can be applied to future rounds of funding.

**2. Are the costs for each proposed activity reasonable for the geographic area where they are to be performed? Identify any costs that are higher than usual and explain any special circumstances within the project that makes these increased costs necessary to achieve the goals and objectives of the project.**

Yes, the costs for each proposed activity are reasonable for the geographic area where they are to be performed. The cost of the fuels reduction and chipping work proposed in this project may seem high compared to other areas of the state. However, the fuel loads in Humboldt County are notoriously dense and take considerable effort to reduce. Humboldt is also a large county and the travel time for contractors increases the expense and, in some instances, can reduce the daily productivity.

County staff time might also seem high relative to the amount of fuels reduction work completed by this project. While Fuels Reduction was selected as the primary activity supported by this funding, the project goes far beyond, incorporating a strong Fire Prevention Planning and Fire Prevention Education component that will serve as a model for future efforts. Grant funds will support County staff as we facilitate the process of selecting model project site locations with agency partners and stakeholders; review and evaluate community identified priorities in the CWPP; familiarize community partners within each of the 14 planning units with their unit action plan; and develop and distribute educational materials to our target audience. In addition, time and effort will be invested in identifying appropriate fuels reduction contractors who can adequately and efficiently provide their services throughout the county. Humboldt County is large and there are many communities that have limited services and long travel times to and from more populated areas. This effort will help us gain a better understanding of our contractor pool and where they can provide their services.

**3. Is the total project cost appropriate for the size, scope, and anticipated benefit of the project?**

Yes, the proposed budget is an honest and educated estimate of the true costs associated with a project of this scope and scale. The cost of this project is believed to be worth the investment and well outweighed by the benefits. Implementing this phase will build a foundation from which future projects can be developed.

**4. Identify all Indirect Costs and describe why they are necessary for a successful project implementation. Administrative expenses to be paid by the Fire Prevention Grants must be less than 12% of the total grant request (excluding equipment).**

The cost of business associated with administration and implementation of this grant will be charged at a rate of 7%. This will cover costs associated with office rental, maintaining a printer and computers, business services, supervision of project staff, and providing technology necessary for the success of this project.

**5. Explain each object category in detail and how that would support meeting the grant objectives.**

Salaries and Wages/Employee Benefits (combination of grant and match):

Humboldt County Natural Resources Planning staff will be responsible for grant agreement execution and reporting, project management, and implementation with a commitment to complete the project and achieve the stated goals. County staff will be responsible for recruiting and managing professional services agreements with contractors; preparing reports and invoices; and planning, facilitating, and mapping the defensible space assistance, chipper days, and roadside fuels reduction work. County staff will also be responsible for overseeing and contributing to developing home hardening outreach materials. Costs and implementation methods will also be tracked and analyzed from the perspective of building a feasible, effective, and replicable model project approach.

County Roads Maintenance staff (One Road Maintenance Worker II) will be supported by this grant to oversee the roadside fuels reduction work and the use of the county chipper by contractors and CAL FIRE inmate crews. County Roads staff will also be involved in planning the roadside fuels reduction work, helping with photo documentation, and coordination with private landowners. County Roads staff will also be used as flaggers to ensure the safety of roadside workers (Two Road Maintenance Worker II). Most of the work associated with roadside fuels reduction work will be supported by the grant. However, a significant investment of County supported work will go into the initial roadside brush cutting and a follow up crew to clean brush out of roadside ditches. The expenses associated with this work will be reported as match and is estimated in the budget worksheet in the Other Costs category.

Contractual (grant expense):

Contractors will be hired through a competitive process consistent with County purchasing policy to support the project fuels reduction and educational outreach objectives:

- A graphic designer to produce the localized home hardening brochure (\$4,000).
- A printing services contract to print high quality copies of the brochure and mail them to our target audience (\$3,000).
- Multiple contractors geographically located throughout the county to conduct the chipper days and provide the defensible space assistance to eligible residents within each of the 14 planning units (\$1,500 per day for 42 days of work).
- Multiple contractors geographically located throughout the county to conduct the roadside fuels reduction work in multiple locations (\$3,100 per day for 66 days of work).
- CAL FIRE inmate crews to conduct the roadside fuels reduction work in multiple locations (\$200 per day for 33 days of work).
- A registered professional forester (RPF) contract was included in the budget to support the design and oversight of the roadside fuels reduction work, if necessary. The county has qualified staff to complete CEQA review and documentation but some guidance from an RPF may be needed (one contract

for \$3,000 and the County can supplement if necessary or absorb these expenses into other categories if unnecessary).

Travel and Per Diem (grant expense):

Travel is estimated at 1,000 miles for general project oversight at a rate of \$0.545 per mile.

Supplies (grant expense and match):

Printing and postage costs will be incurred to support outreach to potential participants in the chipper days and defensible space assistance program (\$1,000).

Equipment Costs (grant expense and match):

Equipment will be purchased in a manner consistent with County purchasing policy. A chipper (\$30,000) and associated Ed's Head (Trailer with portable toilet at the cost of \$15,000) will be purchased with grant funds. This equipment will be used to support increased countywide efforts to implement roadside fuels reduction projects identified in the CWPP. The county would like to purchase this equipment rather than rent or lease it. We compared the cost of renting a chipper at approximately \$250 per day to purchasing one for approximately \$30,000. We expect to get at least 10 years out of the chipper with approximately 5 months of work each year. If we rented a chipper, it would take about 2 years to spend as much as we would to purchase one. The county understands the maintenance and operations expenses that we would be taking on and is prepared to absorb those costs. The Ed's Head trailer set-up is very particular to the proposed work and we believe that it would be inefficient and impractical to rent. This equipment will be used well beyond the life of this project and will continue to help reduce hazardous roadside fuels for many years.

Other Costs (match):

The cost of an initial pass with a brush cutter along county roads selected for shaded fuel breaks is included in the budget as match. The estimated combined segments of road proposed under this project scope is at least 6 miles which will take the brush cutter crew approximately six days to complete.

The cost of County services to clear the roadside ditches of post-treatment refuse including the use of a grader, loader, and dump truck, is also included in the budget as match. The estimated combined segments of road proposed under this project scope is at least 6 miles which will take the ditching crew approximately 12 days to complete.

Indirect Costs (grant expense):

The cost of business associated with administration and implementation of this grant will be charged at a rate of 7%. This will cover costs associated with office rental, maintaining a printer and computers, business services, supervision of project staff, and providing technology necessary for the success of this project.



## H. California Climate Investments

***The space provided here is to allow for a narrative description to further explain how the project/activity will reduce Greenhouse Gas emissions.***

**1. *How will the project/activity reduce Greenhouse Gas emissions?***

This project will increase and improve defensible space in Humboldt County neighborhoods and reduce hazardous fuels along County roads. These activities will increase the resilience of local communities to damage from wildfire. The objectives of this project will help reduce Greenhouse Gas emissions through the prevention of catastrophic wildfire and associated carbon release. Chipping will be used as the method of disposal for the brush created through fuels reduction activities. Chipping avoids emissions that would normally occur through burning piles.

**2. *Is the project located in a Low-Income or Disadvantaged Community? If not, does the project benefit those communities. Please explain.***

Most areas of Humboldt County are designated as Low-Income per AB 1550. This project will benefit a wide range of community members and demographics throughout the county, including elderly, disabled and low-income families who qualify for defensible space assistance.

**3. *What are the expected co-benefits of the project/activity (i.e. environmental, public health and safety, and climate resiliency)?***

Due to climate change and years of fire suppression, wildfire risks in our communities are increasing. The proposed project is intended to reduce that risk by incentivizing and providing assistance to create and maintain defensible space, completing roadside fuels reduction, and educating residents about hardening their homes against damage from wildfire. This project is intended to kick off the implementation of the County CWPP and initiate momentum that will result in broader understanding of and enthusiasm for reducing wildfire risks. Reducing the occurrence of high intensity wildfires in areas where they are unwanted will have important public health and safety benefits (less unhealthy smoke, reduced risk of loss of life and property, and more). Increasing the wildfire resilience of neighborhoods in Humboldt could result in a higher level of comfort with and support for the use of prescribed fire on nearby landscapes. This may create the co-benefit of more prescribed fire—a necessary tool for increasing forest resilience to wildfire and reducing Greenhouse Gas emissions from catastrophic wildfires.

**4. *When are the Greenhouse Gas emissions and/or co-benefits expected to occur and how will they be maintained?***

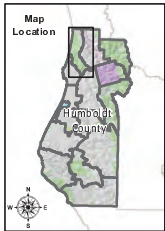
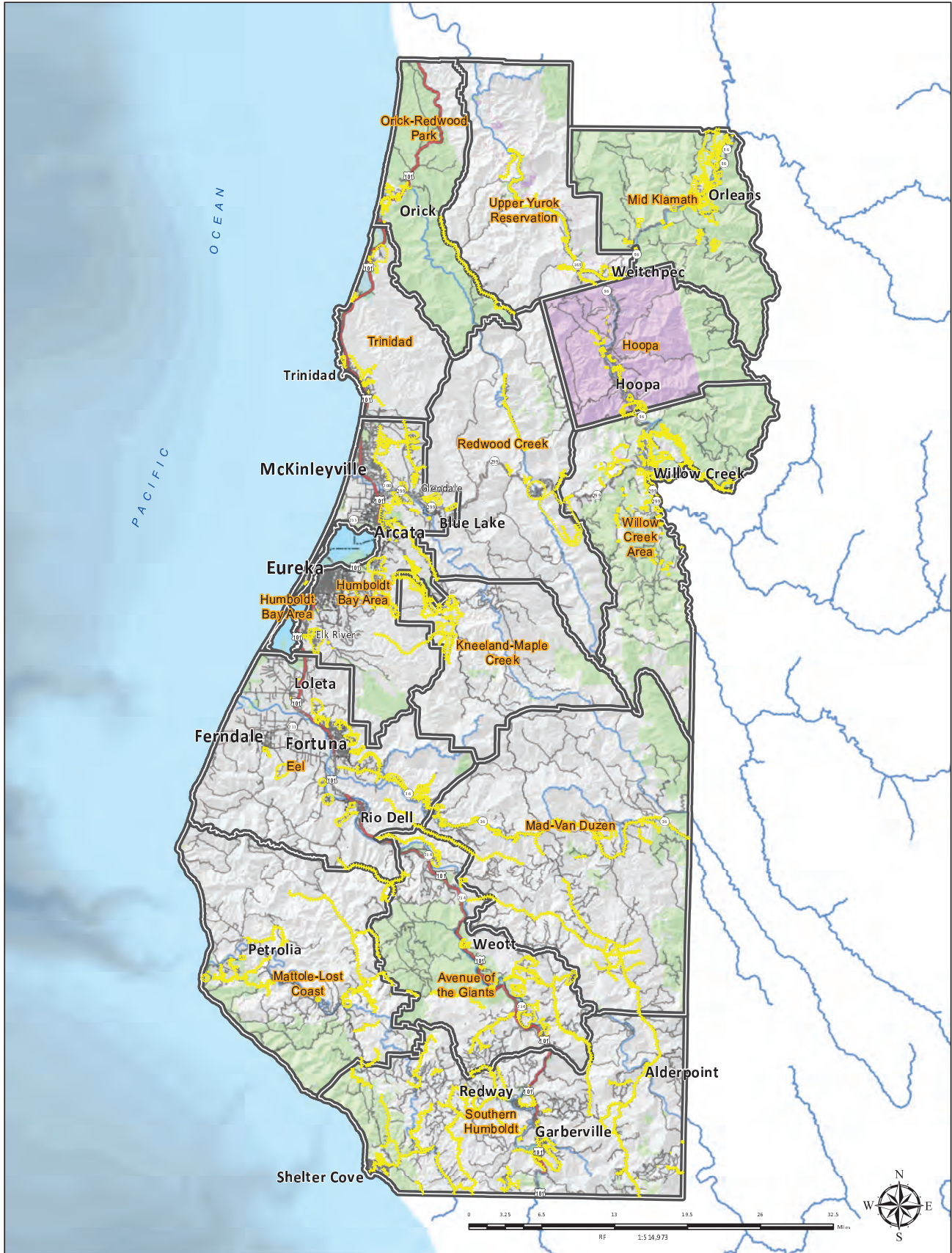
Benefits will occur during chipping operations and through the life of the fuels reduction treatment. The effectiveness of treatments can be extended through continual maintenance, which will be strongly encouraged after the completion of this project. The County is also committed to seeking additional resources to maintain and expand on the roadside fuels reduction completed through this project.

**Project Budget**

Project Name: Phase II – CWPP Implementation

Budget Category	Item Description	Cost Basis			Cost Share (%)			Funding Source (\$)			Total (\$)
		Quantity	Units	Cost/Unit	Grant	Grantee	Partner	Grant	Grantee	Partner(s)	
<b>A. Salaries and Wages</b>											
	Project Manager	430	Hours	\$ 44	100%	0%	0%	\$ 18,838	\$ -	\$ -	\$ 18,838
	Environmental Analyst	465	Hours	\$ 22	100%	0%	0%	\$ 10,063	\$ -	\$ -	\$ 10,063
	Road Maintenance Worker II	1584	Hours	\$ 22	100%	0%	0%	\$ 35,276	\$ -	\$ -	\$ 35,276
	Road Maintenance Worker I	396	Hours	\$ 15	100%	0%	0%	\$ 6,106	\$ -	\$ -	\$ 6,106
	Road Maintenance Worker I	396	Hours	\$ 15	100%	0%	0%	\$ 6,106	\$ -	\$ -	\$ 6,106
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Salaries and Wages:								\$ 76,389	\$ -	\$ -	\$ 76,389
<b>B. Employee Benefits</b>											
	Project Manager	430	Hours	\$ 24	100%	0%	0%	\$ 10,505	\$ -	\$ -	\$ 10,505
	Environmental Analyst	465	Hours	\$ 18	100%	0%	0%	\$ 8,258	\$ -	\$ -	\$ 8,258
	Road Maintenance Worker II	1584	Hours	\$ 19	100%	0%	0%	\$ 30,650	\$ -	\$ -	\$ 30,650
	Road Maintenance Worker I	396	Hours	\$ 14	100%	0%	0%	\$ 5,489	\$ -	\$ -	\$ 5,489
	Road Maintenance Worker I	396	Hours	\$ 14	100%	0%	0%	\$ 5,489	\$ -	\$ -	\$ 5,489
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Hours	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Employee Benefits:								\$ 60,391	\$ -	\$ -	\$ 60,391
<b>C. Contractual</b>											
	Fuels reduction crews (DS/chip)	42	Days	\$ 1,500	100%	0%	0%	\$ 63,000	\$ -	\$ -	\$ 63,000
	Fuels reduction crews (Roads)	66	Days	\$ 3,100	100%	0%	0%	\$ 204,600	\$ -	\$ -	\$ 204,600
	Cal Fire Inmate crews	33	Days	\$ 200	100%	0%	0%	\$ 6,600	\$ -	\$ -	\$ 6,600
	RPF	1	Contract	\$ 3,000	100%	0%	0%	\$ 3,000	\$ -	\$ -	\$ 3,000
	Graphic design/printing/mailing	1	Contract	\$ 7,000	100%	0%	0%	\$ 7,000	\$ -	\$ -	\$ 7,000
Sub-Total Contractual:								\$ 284,200	\$ -	\$ -	\$ 284,200
<b>D. Travel &amp; Per Diem:</b>											
	County staff travel (\$0.545/mile)	1000	Miles	\$ 1	100%	0%	0%	\$ 545	\$ -	\$ -	\$ 545
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Days	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Travel & Per Diem:								\$ 545	\$ -	\$ -	\$ 545
<b>E. Supplies</b>											
	Printing and postage	1	Each	\$ 1,000	100%	0%	0%	\$ 1,000	\$ -	\$ -	\$ 1,000
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Supplies:								\$ 1,000	\$ -	\$ -	\$ 1,000
<b>F. Equipment</b>											
	Chipper	1	Each	\$ 30,000	100%	0%	0%	\$ 30,000	\$ -	\$ -	\$ 30,000
	Ed's Head Trailer	1	Each	\$ 15,000	100%	0%	0%	\$ 15,000	\$ -	\$ -	\$ 15,000
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Equipment:								\$ 45,000	\$ -	\$ -	\$ 45,000
<b>G. Other Costs</b>											
	Co. Brushing Services and Equip.	1	Each	\$ 11,000	0%	100%	0%	\$ -	\$ 11,000	\$ -	\$ 11,000
	Co. Ditching Services and Equip.	1	Each	\$ 19,000	0%	100%	0%	\$ -	\$ 19,000	\$ -	\$ 19,000
	Community/FSC Involvement	500	Hours	\$ 29	0%	0%	100%	\$ -	\$ -	\$ 14,545	\$ 14,545
	UCEE Project Support	1	Each	\$ 2,000	0%	0%	100%	\$ -	\$ -	\$ 2,000	\$ 2,000
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
		0	Each	\$ -	0%	0%	0%	\$ -	\$ -	\$ -	\$ -
Sub-Total Other Costs								\$ -	\$ 30,000	\$ 16,545	\$ 46,545
<b>Total Direct Costs</b>								\$ 467,525	\$ 30,000	\$ 16,545	\$ 514,070
Indirect Costs (Exclude Equipment)							7%	\$ 29,577		\$ 29,577	
<b>Total Project Costs</b>								\$ 497,102	\$ 30,000	\$ 16,545	\$ 543,647
Less Program Income								\$ -		\$ -	
<b>Total Grant Proposed Costs</b>								\$ 497,102	\$ 30,000	\$ 16,545	\$ 543,647

# PHASE II – CWPP IMPLEMENTATION, TRACKING NO. 18-FP-HUU-1170



## COMMUNITY-IDENTIFIED PROJECTS

- |                               |                               |                               |                                      |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------------|
| CWPP Planning Unit Boundary   | Land Ownership<br>Public Land | Highways and Roads<br>HWY 101 | Hydrography<br>Major River or Stream |
| Community-Identified Features | Tribal Land                   | State HWY                     | Perennial Stream                     |
| Proposed Project              | Cities                        | HWY or Secondary Road         | Intermittent Stream                  |
|                               |                               | Local Road or Street          |                                      |

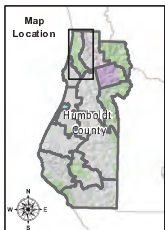
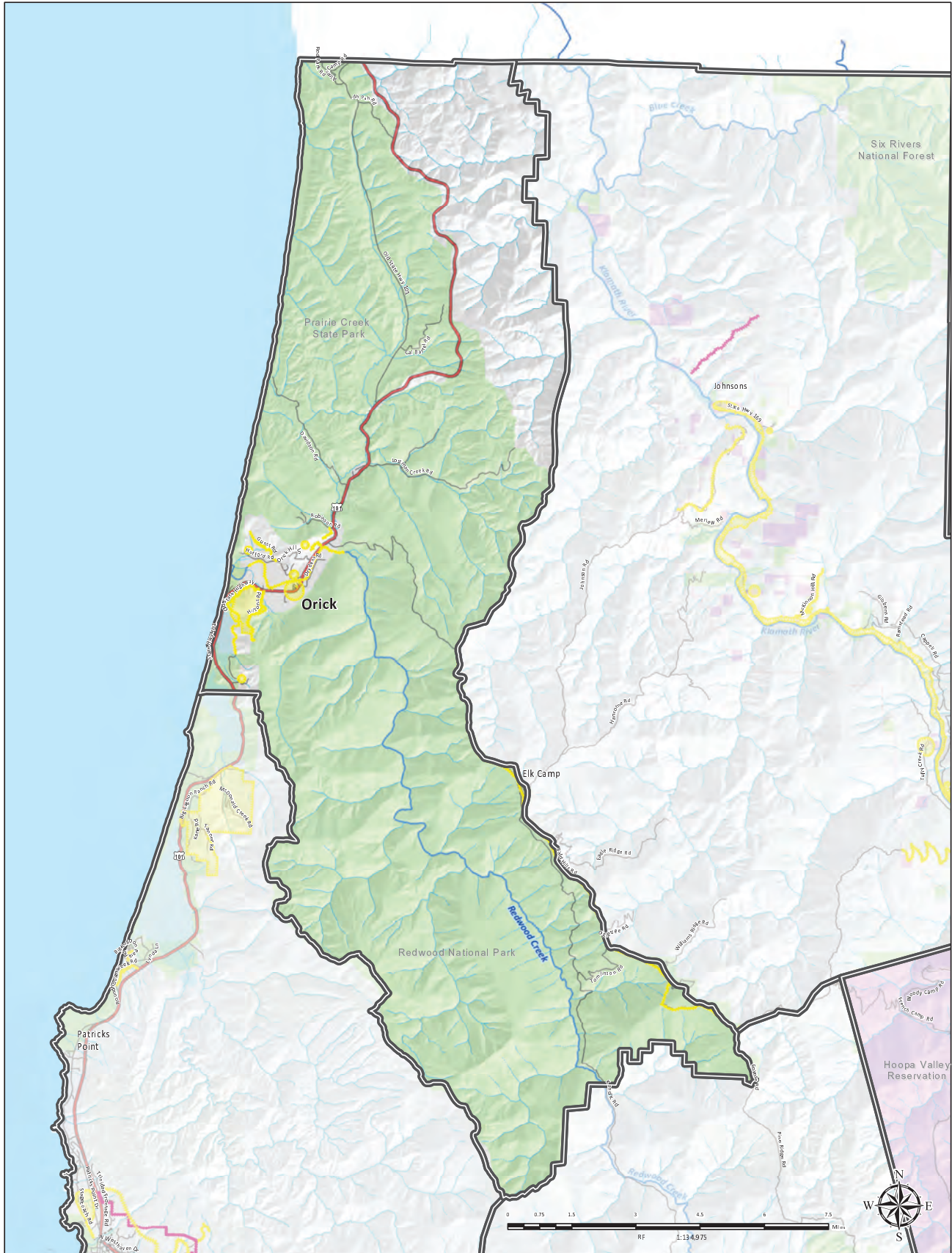


Land ownership and infrastructure data was compiled by the County of Humboldt. Fire planning features identified at community workshops by residents, local, state, and federal fire service and prevention partners; and Humboldt County staff. Other data sources include the 2006 and 2013 editions of the Humboldt County Community Wildfire Protection Plan. The map is intended for planning purposes and should not be used for precise measurement or navigation.  
 Map compiled by County of Humboldt, December 2018.  
 For online maps and fire planning feature details, visit:  
[https://webgis.co.humboldt.ca.us/HCE/GS2.6\\_CWPP](https://webgis.co.humboldt.ca.us/HCE/GS2.6_CWPP)  
 Contact: [ermit@co.humboldt.ca.us](mailto:ermit@co.humboldt.ca.us) or [jyondovien@co.humboldt.ca.us](mailto:jyondovien@co.humboldt.ca.us)

# Orick-Redwood Park Planning Unit

PHASE II – CWPP IMPLEMENTATION

TRACKING NO. 18-FP-HUU-1170



## COMMUNITY-IDENTIFIED PROJECTS

CWPP Planning Unit Boundary

**Community-Identified Features**

Proposed Project

Treated Project  
In order to be effective, all Treated Projects will require continual maintenance.

**Land Ownership**

Public Land

Tribal Land

Cities

**Highways and Roads**

HWY 101

State HWY

HWY or Secondary Road

Local Road or Street

**Hydrography**

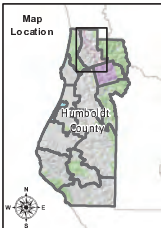
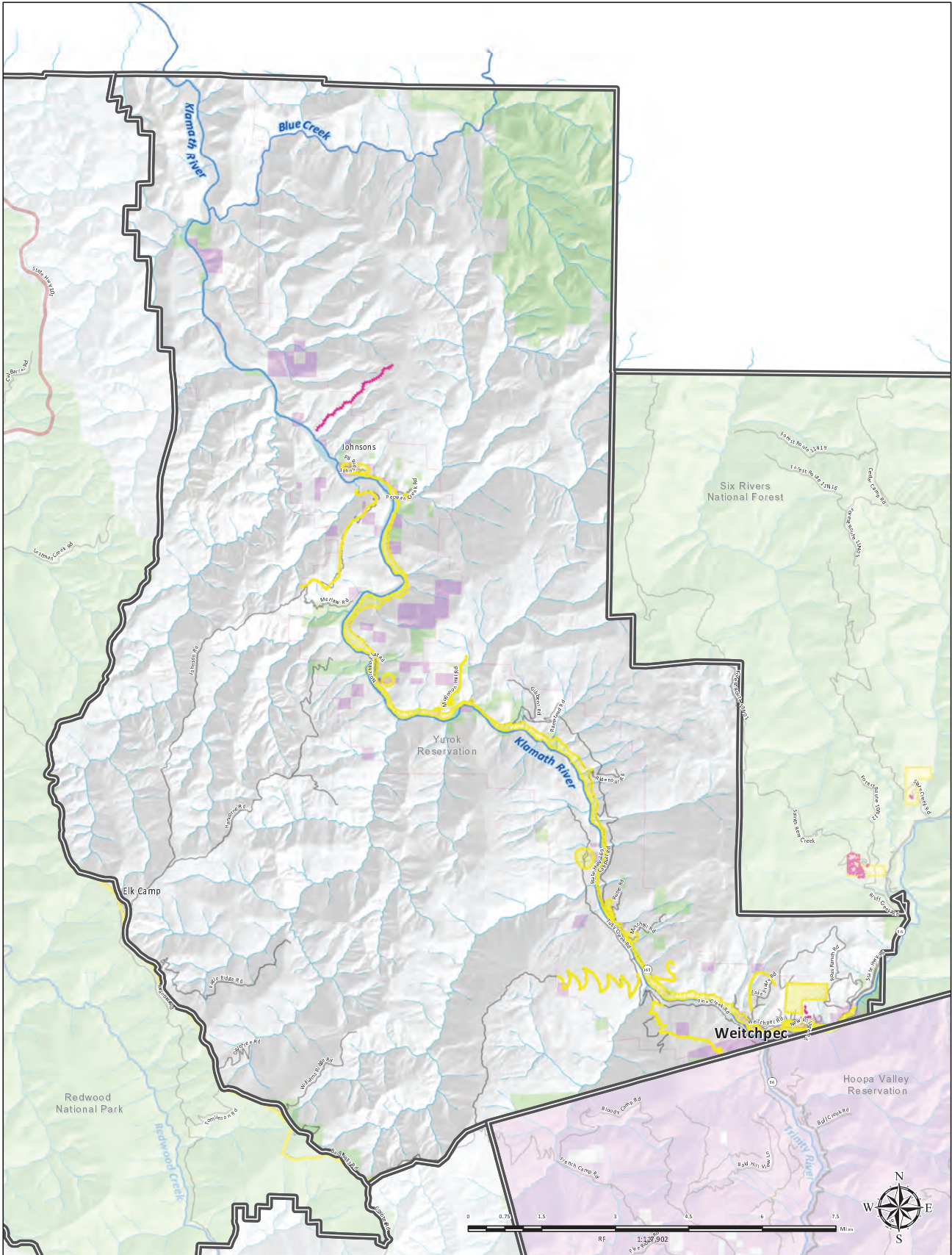
Major River or Stream

Perennial Stream

Intermittent Stream



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Contact: [ermit@co.humboldt.ca.us](mailto:ermit@co.humboldt.ca.us) or [jvondolen@co.humboldt.ca.us](mailto:jvondolen@co.humboldt.ca.us)

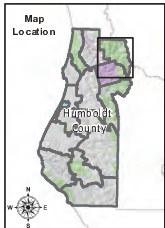
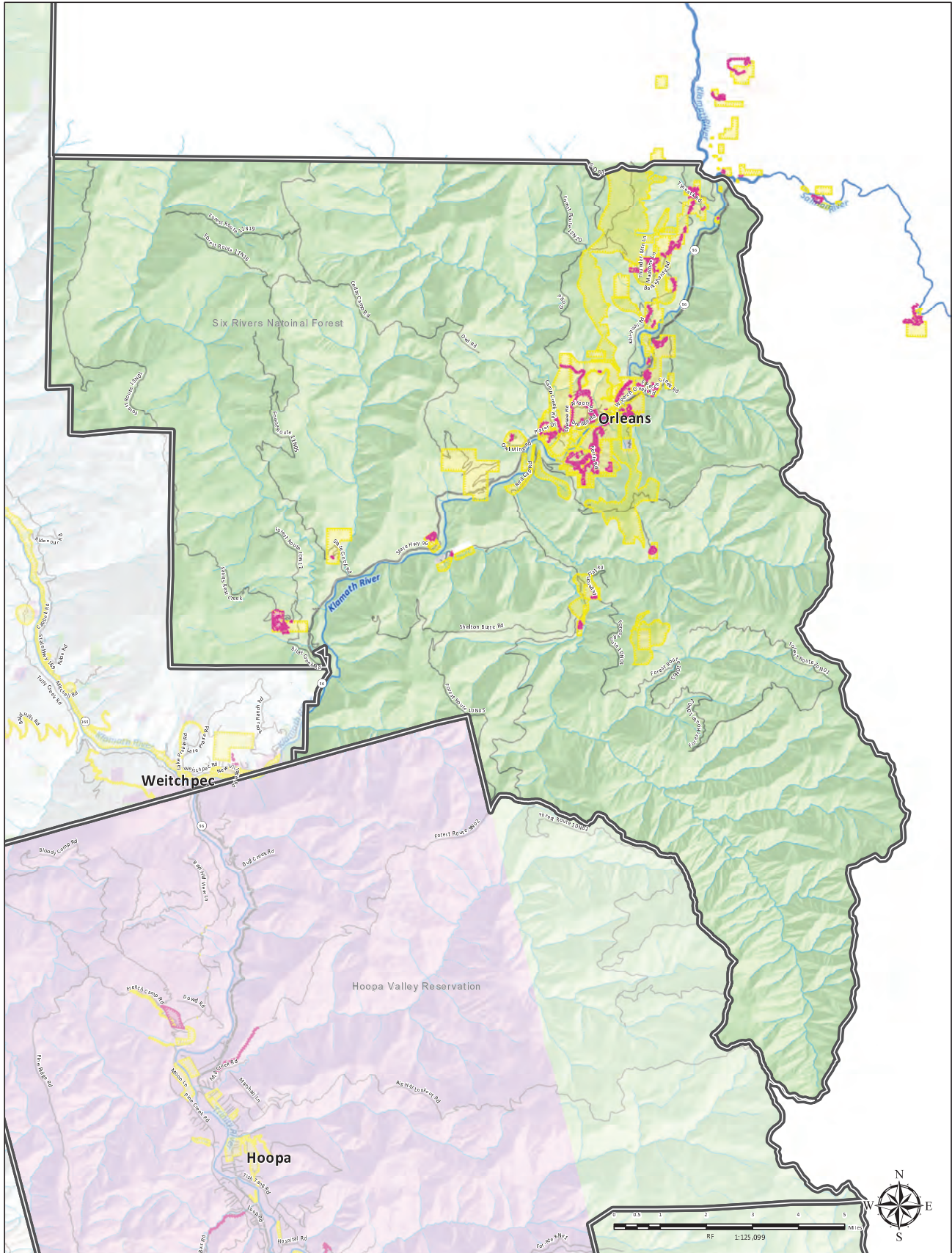


### COMMUNITY-IDENTIFIED PROJECTS

- |   |                       |                           |                       |
|---|-----------------------|---------------------------|-----------------------|
| CWPP Planning Unit Boundary   | <b>Land Ownership</b> | <b>Highways and Roads</b> | <b>Hydrography</b>    |
| <b>Community-Identified Features</b>  | Public Land           | HWY 101                   | Major River or Stream |
| Proposed Project  | Tribal Land           | State HWY                 | Perennial Stream      |
| Treated Project<br>In order to be effective, all Treated Projects will require continual maintenance. | Cities                | HWY or Secondary Road     | Intermittent Stream   |
|   |                       | Local Road or Street      |                       |



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### COMMUNITY-IDENTIFIED PROJECTS

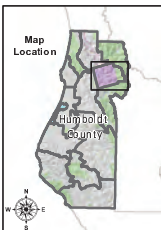
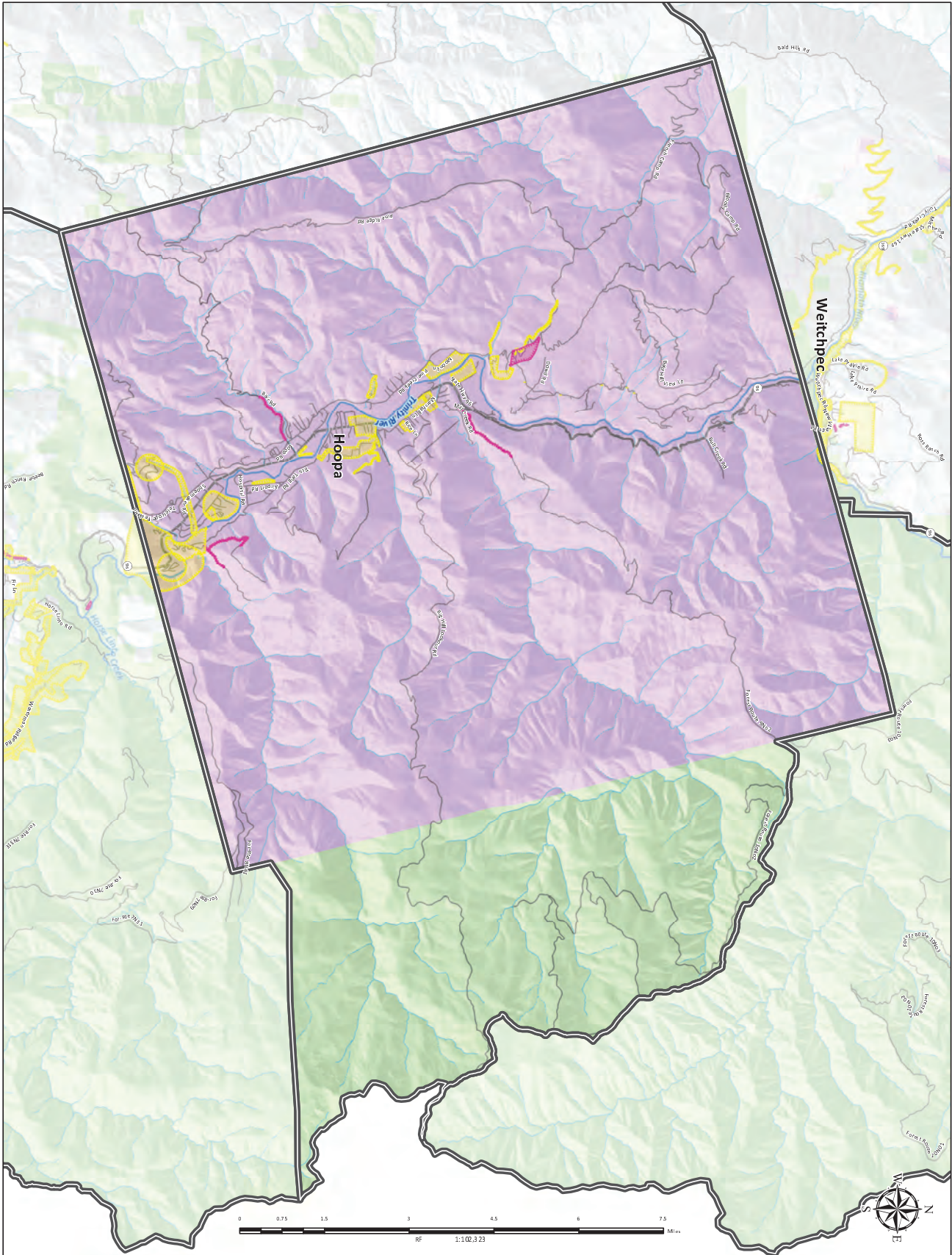
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|---|-------------|-----------------------|-----------------------|
| CWPP Planning Unit Boundary   | Public Land | Highways and Roads    | Major River or Stream |
| Community-Identified Features   | Tribal Land | HWY 101               | Perennial Stream      |
| Proposed Project  | Cities      | State HWY             | Intermittent Stream   |
| Treated Project   |             | HWY or Secondary Road |                       |
| <small>In order to be effective, all Treated Projects will require continual maintenance.</small> |             | Local Road or Street  |                       |



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Contact: [ermit@co.humboldt.ca.us](mailto:ermit@co.humboldt.ca.us) or [jvondovien@co.humboldt.ca.us](mailto:jvondovien@co.humboldt.ca.us)

# Hoopa Planning Unit

PHASE II – CWPP IMPLEMENTATION  
TRACKING NO. 18-FP-HUU-1170



## COMMUNITY-IDENTIFIED PROJECTS

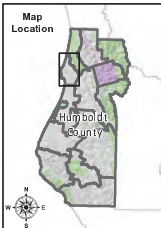
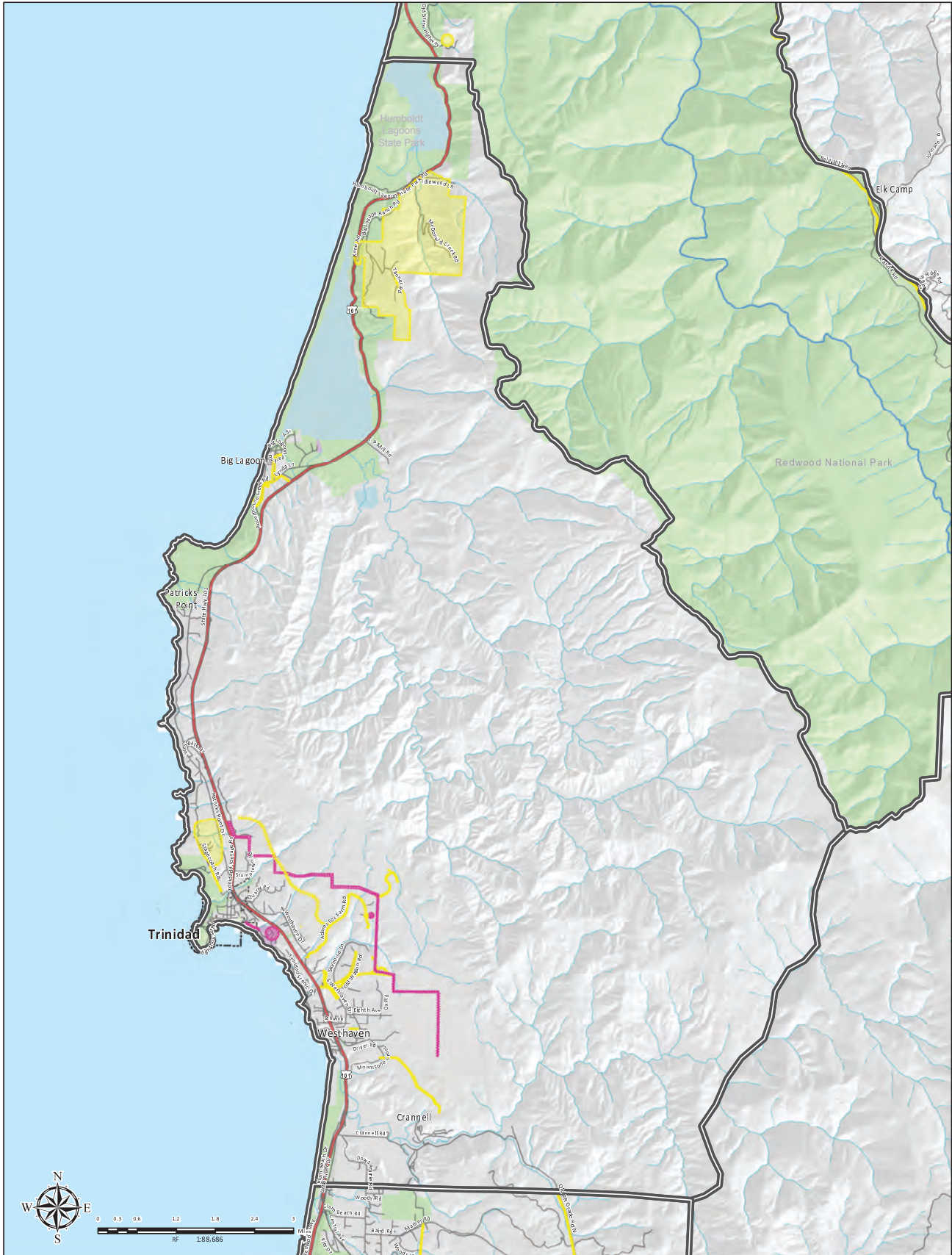
- |   |             |                       |                       |
|---|-------------|-----------------------|-----------------------|
| CWPP Planning Unit Boundary   | Public Land | Highways and Roads    | Major River or Stream |
| Community-Identified Features   | Tribal Land | HWY 101               | Perennial Stream      |
| Treated Project   | Cities      | State HWY             | Intermittent Stream   |
| <small>In order to be effective, all Treated Projects will require continual maintenance.</small> |             | HWY or Secondary Road |                       |
|   |             | Local Road or Street  |                       |



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Map compiled by County of Humboldt, July 2018.  
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Contact: [ermit@co.humboldt.ca.us](mailto:ermit@co.humboldt.ca.us) or [jvondosien@co.humboldt.ca.us](mailto:jvondosien@co.humboldt.ca.us)

# Trinidad Planning Unit

PHASE II – CWPP IMPLEMENTATION  
TRACKING NO. 18-FP-HUU-1170



## COMMUNITY-IDENTIFIED PROJECTS

- |   |                               |                               |                                      |
|---|-------------------------------|-------------------------------|--------------------------------------|
| CWPP Planning Unit Boundary   | Land Ownership<br>Public Land | Highways and Roads<br>HWY 101 | Hydrography<br>Major River or Stream |
| Community-Identified Features<br>Proposed Project   | Tribal Land                   | State HWY                     | Perennial Stream                     |
| Treated Project<br>In order to be effective, all Treated Projects will require continual maintenance. | Cities                        | HWY or Secondary Road         | Intermittent Stream                  |
|   |                               | Local Road or Street          |                                      |



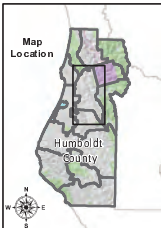
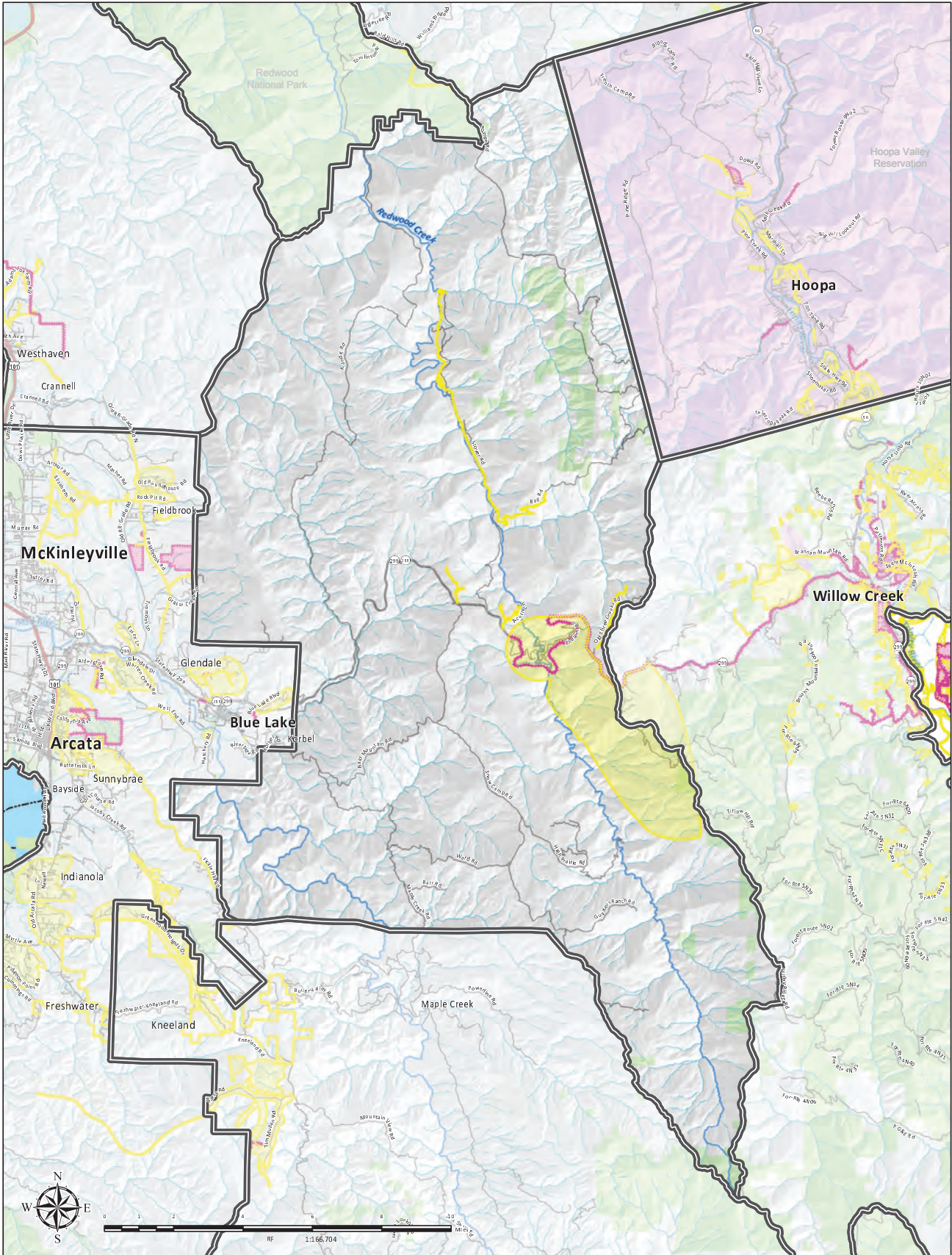
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[https://webgis.co.humboldt.ca.us/HCE/GS2.6\\_CWPP](https://webgis.co.humboldt.ca.us/HCE/GS2.6_CWPP)  
Contact: [ermit@co.humboldt.ca.us](mailto:ermit@co.humboldt.ca.us) or [jyondshien@co.humboldt.ca.us](mailto:jyondshien@co.humboldt.ca.us)



# Redwood Creek Planning Unit

PHASE II – CWPP IMPLEMENTATION

TRACKING NO. 18-FP-HUU-1170



## COMMUNITY-IDENTIFIED PROJECTS

- |   |                |                       |                       |
|---|----------------|-----------------------|-----------------------|
| CWPP Planning Unit Boundary   | Land Ownership | Highways and Roads    | Hydrography           |
| Community-Identified Features   | Public Land    | HWY 101               | Major River or Stream |
| Proposed Project  | Tribal Land    | State HWY             | Perennial Stream      |
| Treated Project   | Cities         | HWY or Secondary Road | Intermittent Stream   |
| <small>In order to be effective, all Treated Projects will require continual maintenance.</small> |                | Local Road or Street  |                       |

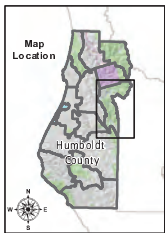
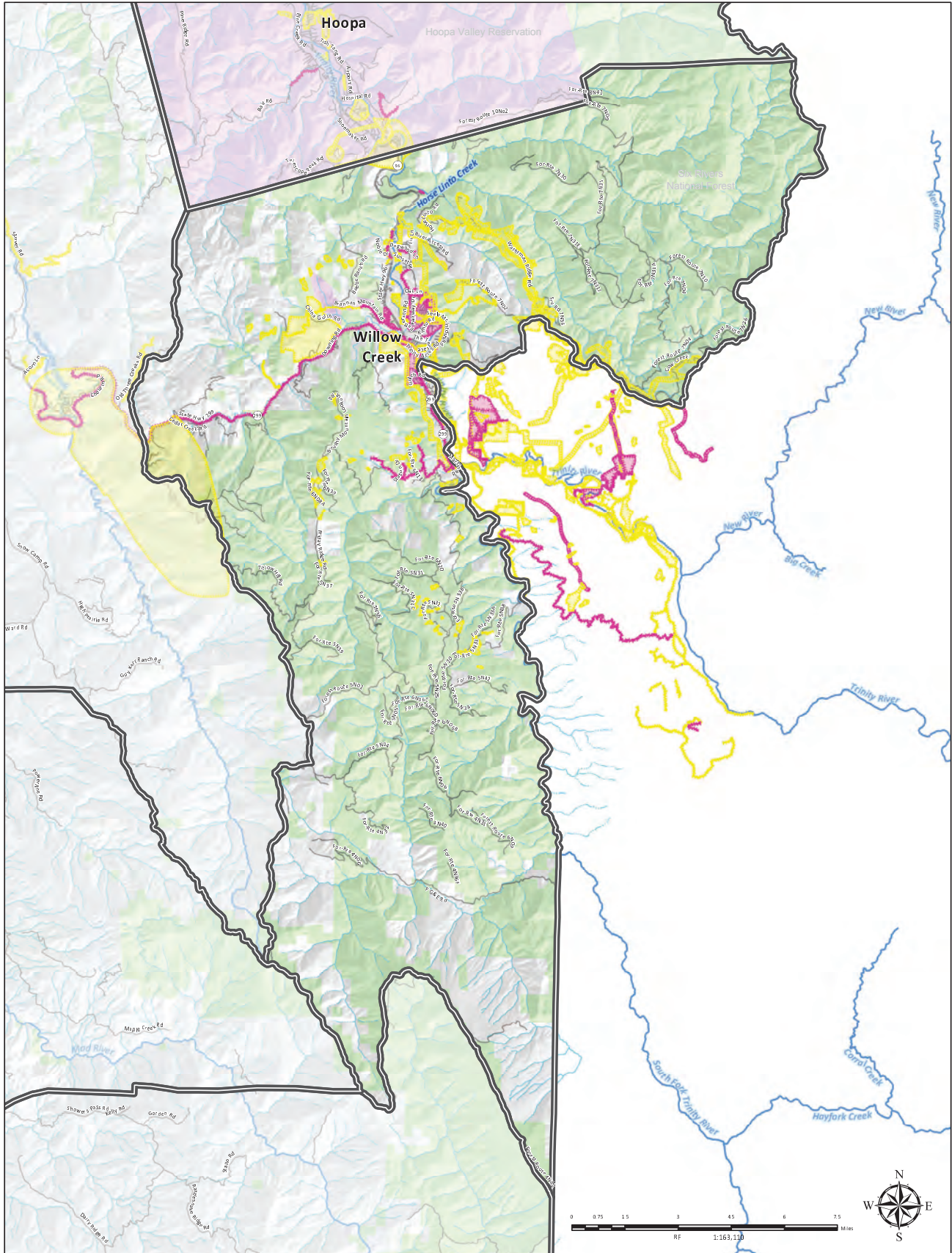


Land ownership and infrastructure data was compiled by the County of Humboldt. Fire planning features identified at community workshops by residents, local, state, and federal fire service and prevention partners; and Humboldt County staff. Other data sources include the 2005 and 2013 editions of the Humboldt County Community Wildfire Protection Plan. The map is intended for planning purposes and should not be used for precise measurement or navigation.  
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 Contact: [ermit@co.humboldt.ca.us](mailto:ermit@co.humboldt.ca.us) or [jyendohlen@co.humboldt.ca.us](mailto:jyendohlen@co.humboldt.ca.us)

# Willow Creek Planning Unit

PHASE II – CWPP IMPLEMENTATION

TRACKING NO. 18-FP-HUU-1170



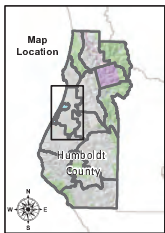
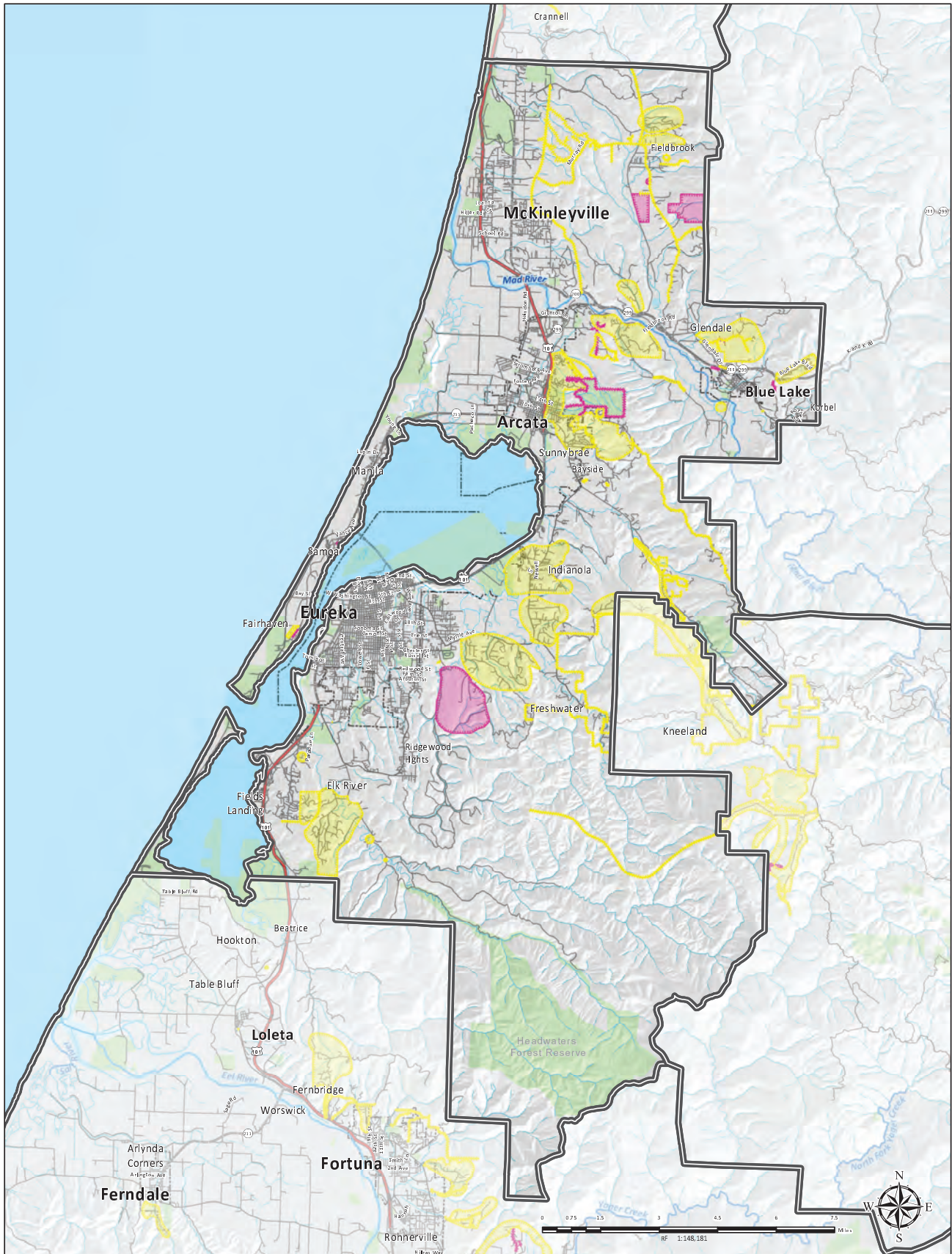
## COMMUNITY-IDENTIFIED PROJECTS

- |   |                |                       |                       |
|---|----------------|-----------------------|-----------------------|
| CWPP Planning Unit Boundary   | Land Ownership | Highways and Roads    | Hydrography           |
| Community-Identified Features   | Public Land    | HWY 101               | Major River or Stream |
| Proposed Project  | Tribal Land    | State HWY             | Perennial Stream      |
| Treated Project   | Cities         | HWY or Secondary Road | Intermittent Stream   |
| <small>In order to be effective, all Treated Projects will require continual maintenance.</small> |                | Local Road or Street  |                       |

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# Humboldt Bay Area Planning Unit

PHASE II – CWPP IMPLEMENTATION  
TRACKING NO. 18-FP-HUU-1170



## COMMUNITY-IDENTIFIED PROJECTS

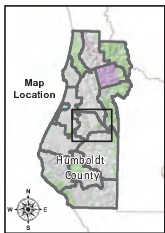
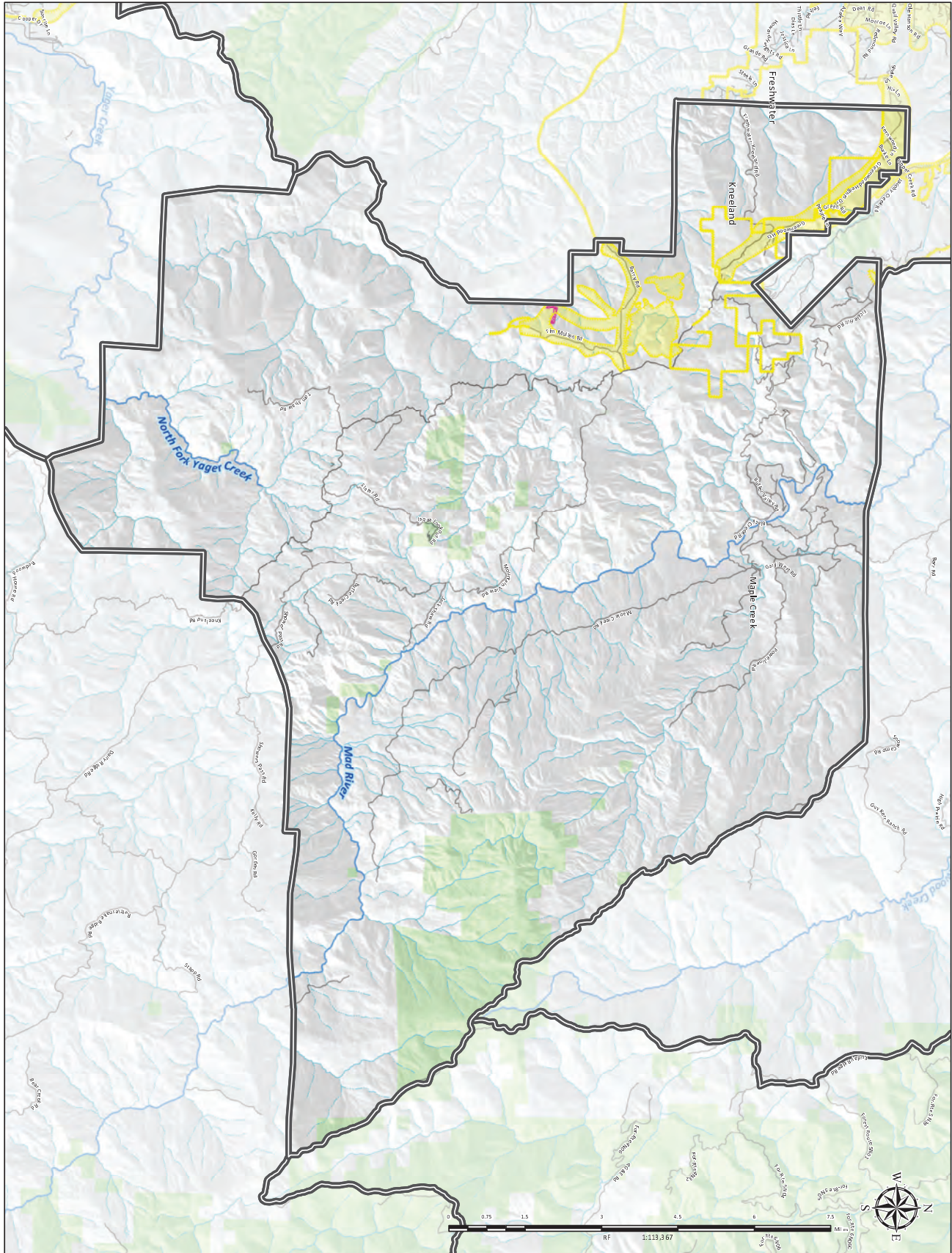
- |   |                |                       |                       |
|---|----------------|-----------------------|-----------------------|
| CWPP Planning Unit Boundary   | Land Ownership | Highways and Roads    | Hydrography           |
| Community-Identified Features   | Public Land    | HWY 101               | Major River or Stream |
| Proposed Project  | Tribal Land    | State HWY             | Perennial Stream      |
| Treated Project   | Cities         | HWY or Secondary Road | Intermittent Stream   |
| <small>In order to be effective, all Treated Projects will require continual maintenance.</small> |                | Local Road or Street  |                       |



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Contact: [ermit@co.humboldt.ca.us](mailto:ermit@co.humboldt.ca.us) or [jyondovien@co.humboldt.ca.us](mailto:jyondovien@co.humboldt.ca.us)

# Kneeland Planning Unit

PHASE II – CWPP IMPLEMENTATION  
TRACKING NO. 18-FP-HUU-1170



## COMMUNITY-IDENTIFIED PROJECTS

- CWPP Planning Unit Boundary
- Community-Identified Features**
- Proposed Project
- Treated Project  
In order to be effective, all Treated Projects will require continual maintenance.

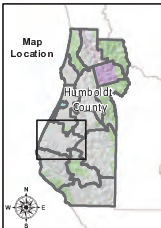
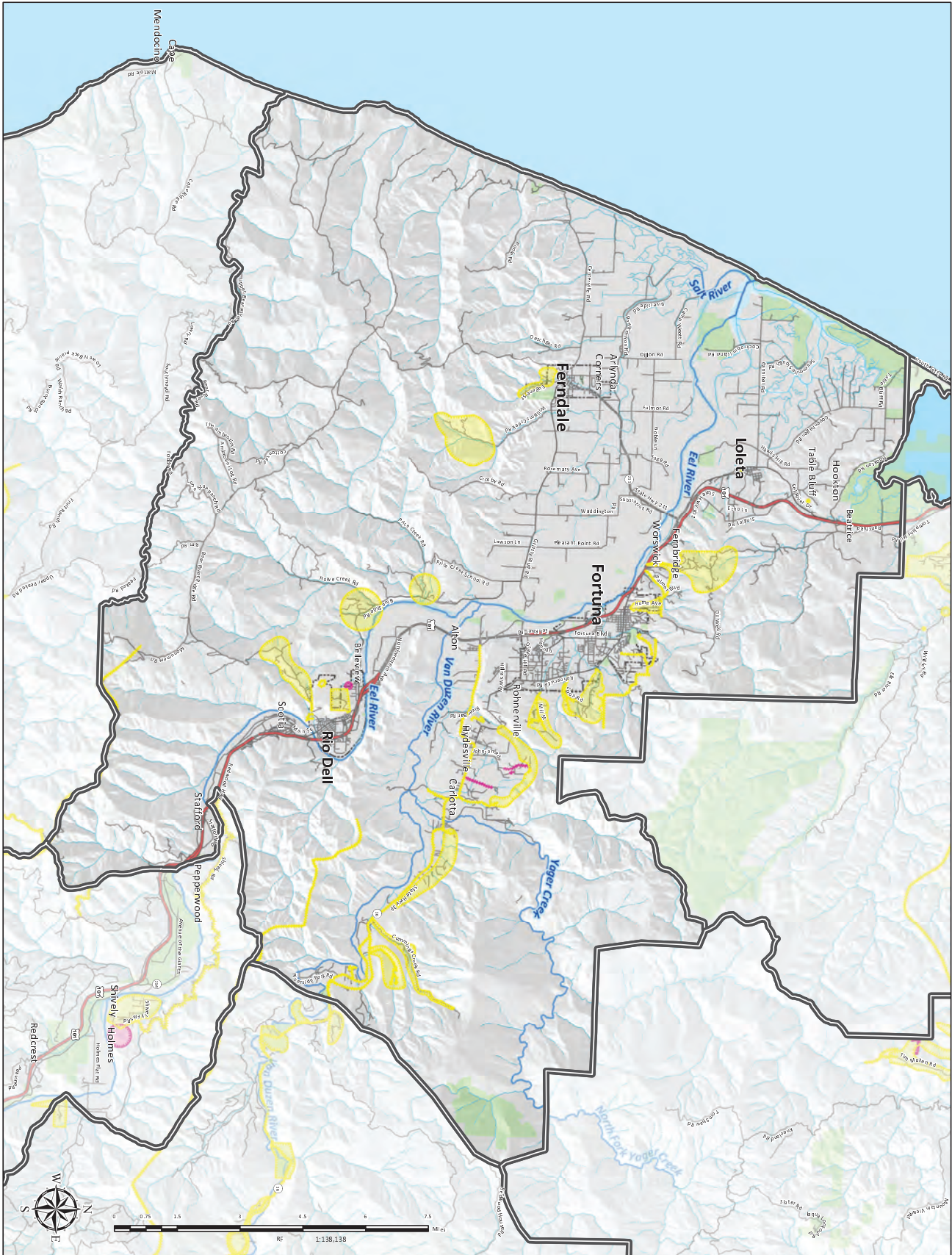
- Public Land
- Tribal Land
- Cities

- Highways and Roads**
- HWY 101
- State HWY
- HWY or Secondary Road
- Local Road or Street

- Hydrography**
- Major River or Stream
- Perennial Stream
- Intermittent Stream



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Contact: [ermit@co.humboldt.ca.us](mailto:ermit@co.humboldt.ca.us) or [jvondosien@co.humboldt.ca.us](mailto:jvondosien@co.humboldt.ca.us)



### COMMUNITY-IDENTIFIED PROJECTS

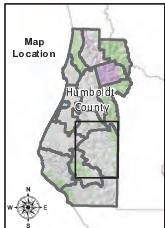
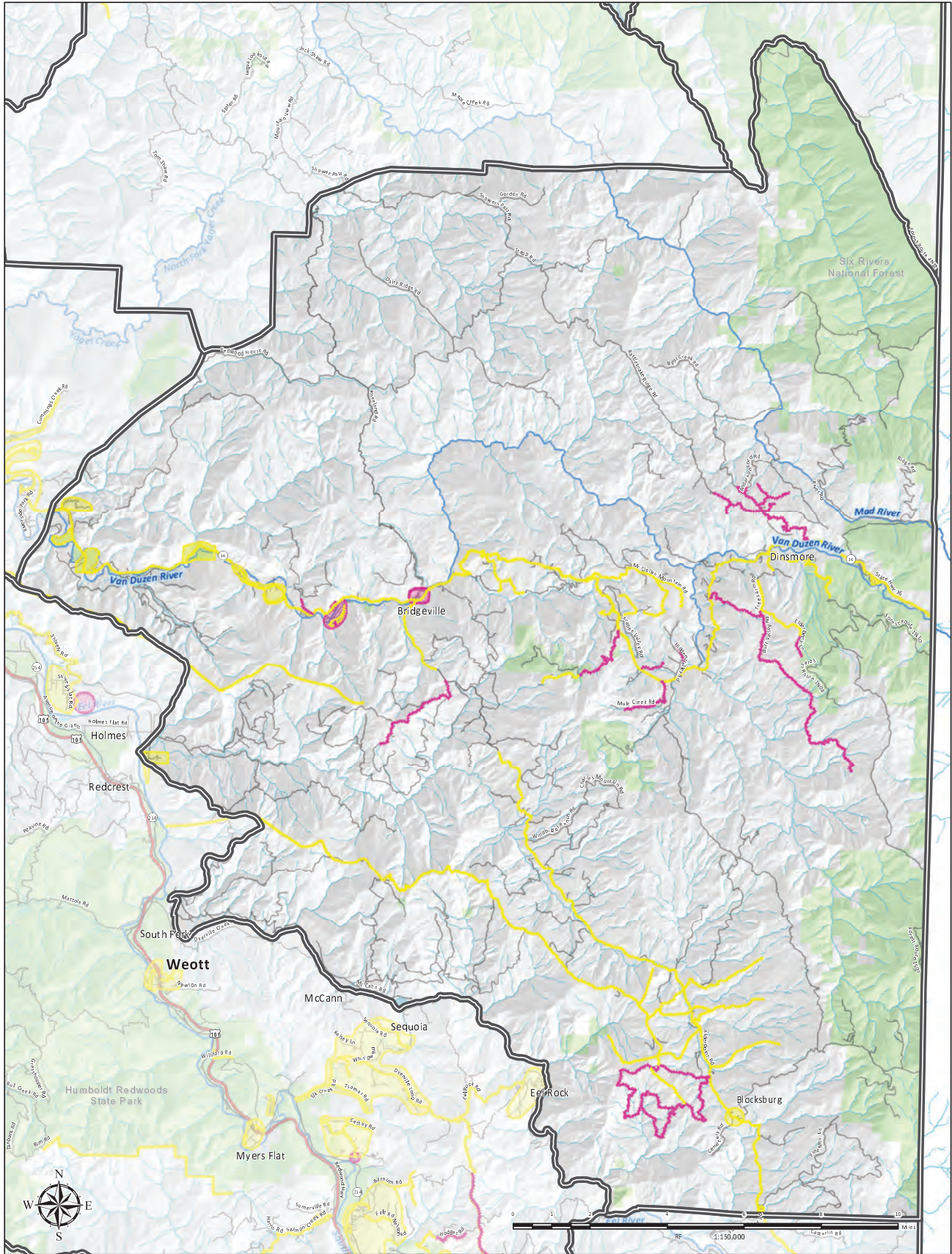
- |   |                               |                               |                                      |
|---|-------------------------------|-------------------------------|--------------------------------------|
| CWPP Planning Unit Boundary   | Land Ownership<br>Public Land | Highways and Roads<br>HWY 101 | Hydrography<br>Major River or Stream |
| Community-Identified Features<br>Proposed Project   | Tribal Land                   | State HWY                     | Perennial Stream                     |
| Treated Project<br>In order to be effective, all Treated Projects will require continual maintenance. | Cities                        | HWY or Secondary Road         | Intermittent Stream                  |
|   |                               | Local Road or Street          |                                      |



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# Mad-Van Duzen Planning Unit

PHASE II – CWPP IMPLEMENTATION  
TRACKING NO. 18-FP-HUU-1170



## COMMUNITY-IDENTIFIED PROJECTS

- |   |                               |                               |                                      |
|---|-------------------------------|-------------------------------|--------------------------------------|
| CWPP Planning Unit Boundary   | Land Ownership<br>Public Land | Highways and Roads<br>HWY 101 | Hydrography<br>Major River or Stream |
| Community-Identified Features<br>Proposed Project   | Tribal Land                   | State HWY                     | Perennial Stream                     |
| Treated Project   | Cities                        | HWY or Secondary Road         | Intermittent Stream                  |
| <small>In order to be effective, all Treated Projects will require continual maintenance.</small> |                               | Local Road or Street          |                                      |

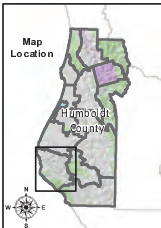
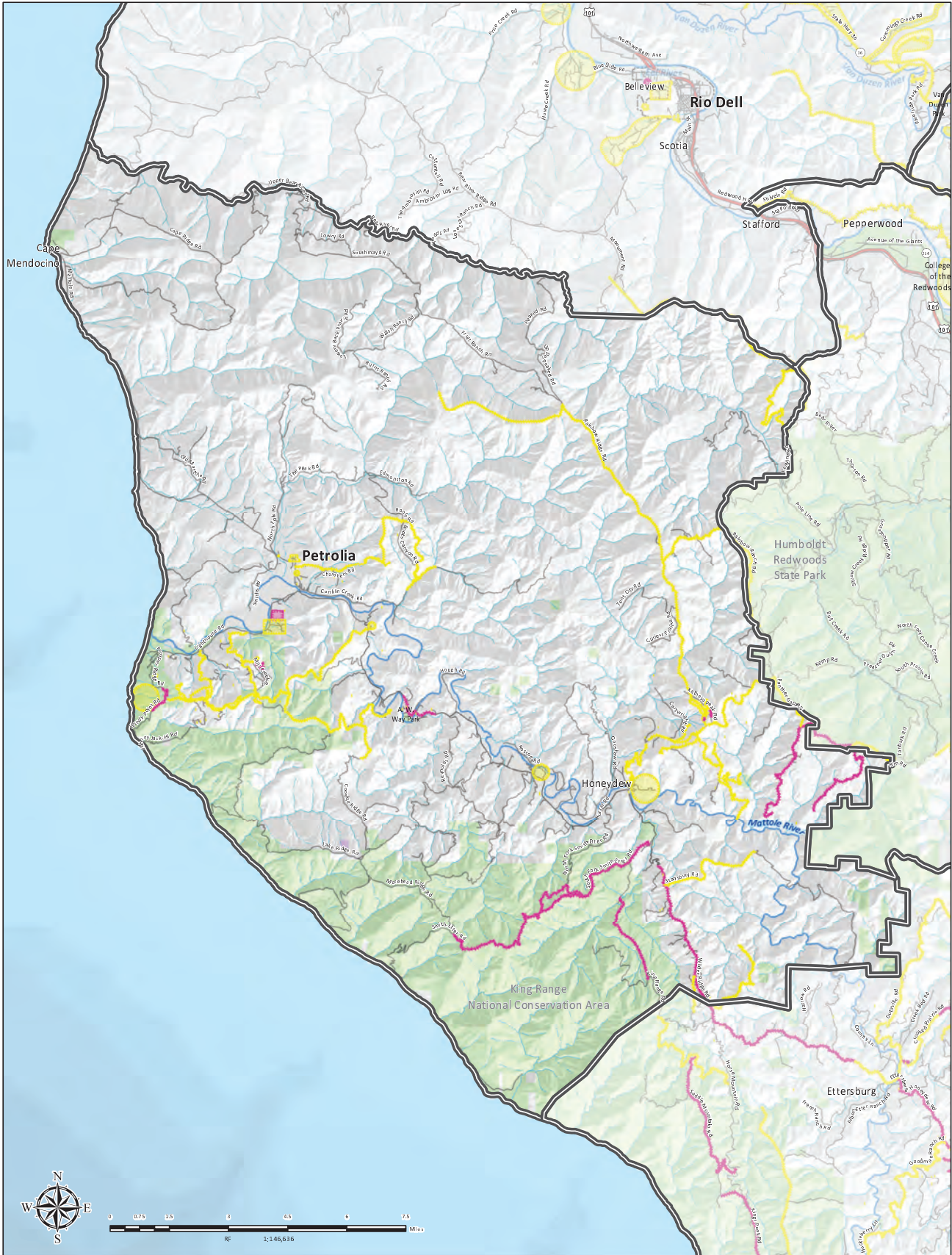


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[https://webgs.co.humboldt.ca.us/HCE\\_GS2\\_6\\_CWPP](https://webgs.co.humboldt.ca.us/HCE_GS2_6_CWPP)  
Contact: [emmit@co.humboldt.ca.us](mailto:emmit@co.humboldt.ca.us) or [yvondawien@co.humboldt.ca.us](mailto:yvondawien@co.humboldt.ca.us)

# Mattole-Lost Coast Planning Unit


PHASE II – CWPP IMPLEMENTATION

TRACKING NO. 18-FP-HUU-1170

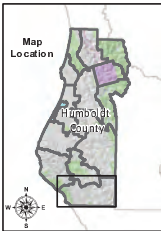
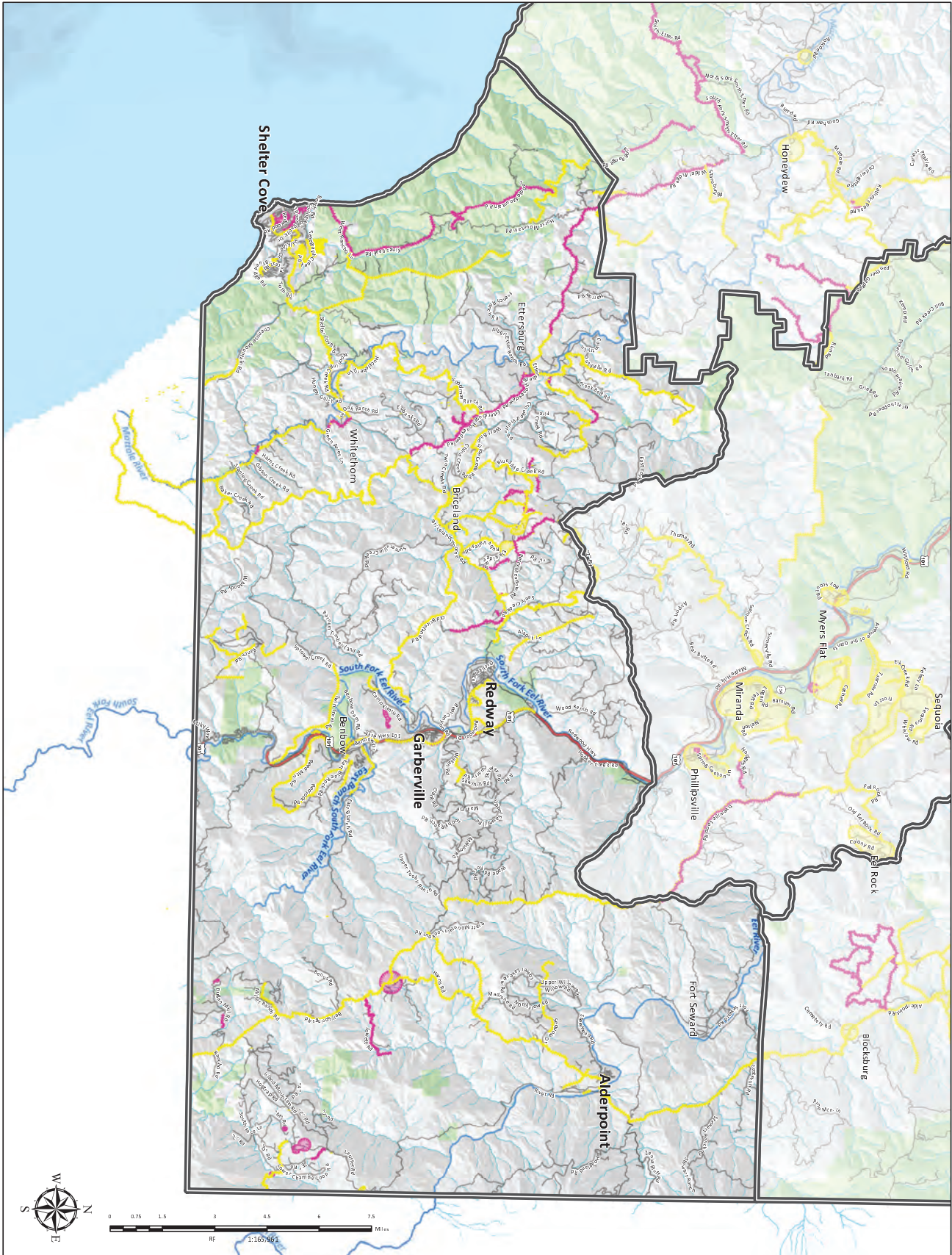


## COMMUNITY-IDENTIFIED PROJECTS

- |   |                       |                       |                |
|---|-----------------------|-----------------------|----------------|
| CWPP Planning Unit Boundary   | Highways and Roads    | Hydrography           | Land Ownership |
| Community-Identified Features   | HWY 101               | Major River or Stream | Public Land    |
| Proposed Project  | State HWY             | Perennial Stream      | Tribal Land    |
| Treated Project   | HWY or Secondary Road | Intermittent Stream   | Cities         |
| <small>In order to be effective, all Treated Projects will require continual maintenance.</small> | Local Road or Street  |                       |                |





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#### COMMUNITY-IDENTIFIED PROJECTS

- |   |                |                       |                       |
|---|----------------|-----------------------|-----------------------|
| CWPP Planning Unit Boundary   | Land Ownership | Highways and Roads    | Hydrography           |
| Community-Identified Features   | Public Land    | HWY 101               | Major River or Stream |
| Proposed Project  | Tribal Land    | State HWY             | Perennial Stream      |
| Treated Project   | Cities         | HWY or Secondary Road | Intermittent Stream   |
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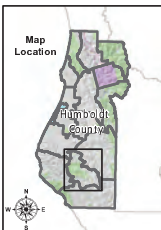
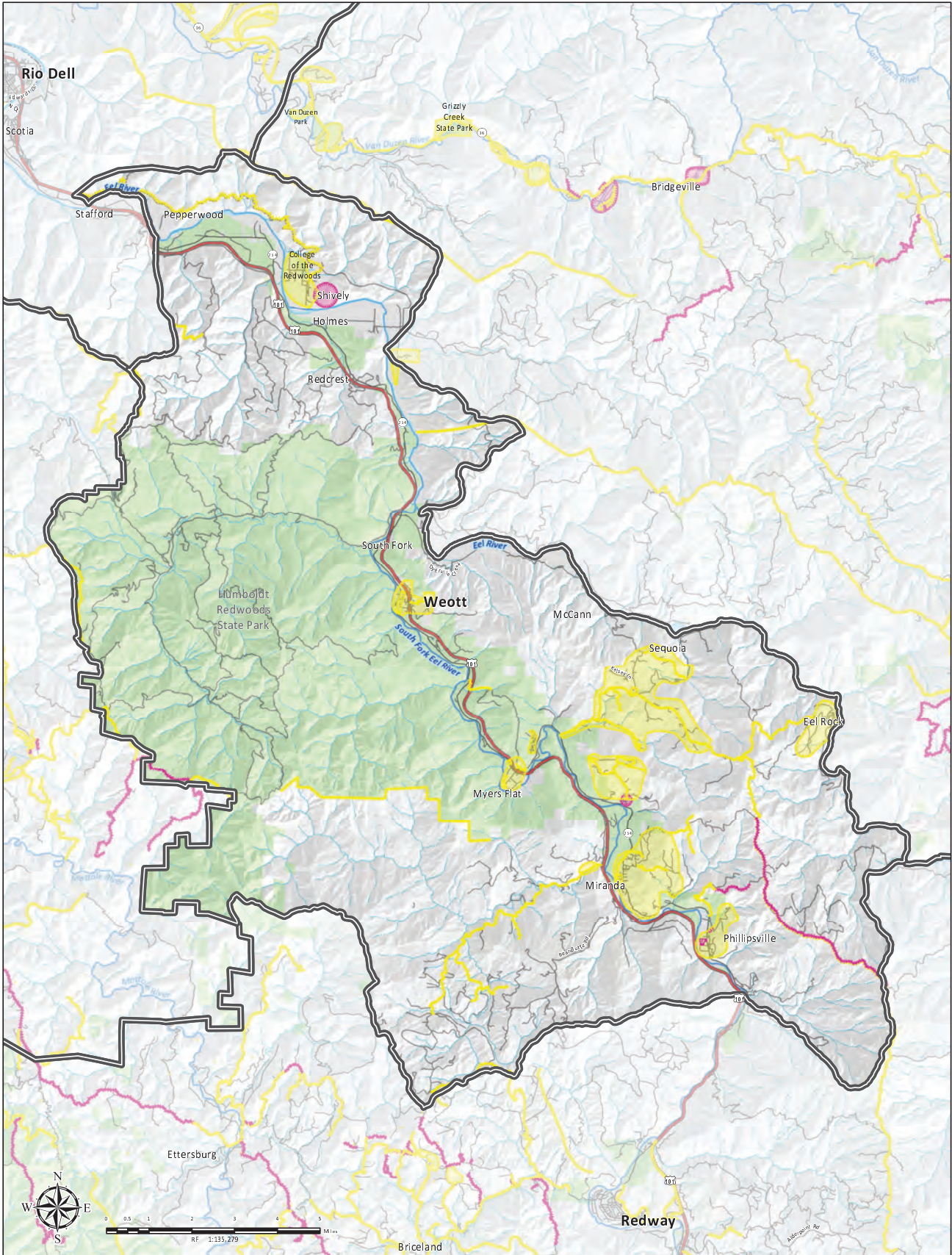
Contact: [ermit@co.humboldt.ca.us](mailto:ermit@co.humboldt.ca.us) or [jyondsvien@co.humboldt.ca.us](mailto:jyondsvien@co.humboldt.ca.us)



# Avenue of the Giants Planning Unit

PHASE II – CWPP IMPLEMENTATION

TRACKING NO. 18-FP-HUU-1170



## COMMUNITY-IDENTIFIED PROJECTS

- |   |                               |                               |                                      |
|---|-------------------------------|-------------------------------|--------------------------------------|
| CWPP Planning Unit Boundary   | Land Ownership<br>Public Land | Highways and Roads<br>HWY 101 | Hydrography<br>Major River or Stream |
| Community-Identified Features<br>Proposed Project   | Tribal Land                   | State HWY                     | Perennial Stream                     |
| Treated Project<br>In order to be effective, all Treated Projects will require continual maintenance. | Cities                        | HWY or Secondary Road         | Intermittent Stream                  |
|   |                               | Local Road or Street          |                                      |



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