

Signed FAC added to file 3/28/16 (PE)

## Appendix B - Full Application Checklist

SNC Reference#: 885

Project Name: South Fork Mokelumne River Watershed Restoration

Applicant: Calaveras Healthy Forests Impact Product Solutions (CHIPS)

Please mark each box if item is included in the application. Please consult with SNC staff prior to submission if you have any questions about the applicability to your project of any items on the checklist. All applications must include a CD including an electronic file of each checklist item, if applicable. The naming convention for each electronic file is listed after each item on the checklist. (Electronic File Name = EFN: "naming convention". file extension choices)

Submission requirements for all Category One and Category Two Grant Applications

1.  Completed Application Checklist (EFN: Checklist.doc, .docx, or .pdf)
2.  Table of Contents (EFN: TOC.doc, .docx, or .pdf)
3.  Full Application Project Information Form (EFN: SIform.doc, .docx, or .pdf)
4.  CCC/Local Conservation Corps Document (EFN: CCC.pdf)
5.  Authorization to Apply or Resolution (EFN: authorization.doc, .docx, or .pdf)
6.  Narrative Descriptions (EFN: Narrative.doc or .docx)
  - a.  Detailed Project Description (5,000 character maximum for section 5a only)
    - Project Description including Goals/Results, Scope of Work, Location, Purpose, etc.
  - b.  Workplan and Schedule
  - c.  Restrictions, Technical/Environmental Documents and Agreements
    - Restrictions / Agreements (EFN: RestAgree.pdf)
    - Regulatory Requirements / Permits (EFN: RegPermit.pdf)
  - d.  Organizational Capacity
  - e.  Cooperation and Community Support
    - Letters of Support (EFN: LOS.pdf)
  - f.  Tribal Consultation Narrative (EFN: tribal.doc, docx)
  - g.  Long Term Management and Sustainability
    - Long-Term Management Plan (EFN: LTMP.pdf)
  - h.  Performance Measures
7. Budget documents
  - a.  Detailed Budget Form: (EFN: Budget.xls, .xlsx)
8. Supplementary Documents
  - a. Environmental Documentation
    - California Environmental Quality Act (CEQA) documentation (EFN: CEQA.pdf)
    - National Environmental Policy Act (NEPA) documentation (EFN: NEPA.pdf)
  - b. Maps and Photos
    - Project Location Map (EFN: LocMap.pdf)
    - Parcel Map showing County Assessor's Parcel Number(s) (EFN: ParcelMap.pdf)

- Topographic Map (EFN: *Topo.pdf*)
- Photos of the Project Site (10 maximum) (EFN: *Photo.jpg, .gif*)
- c. Additional submission requirements for Fee Title Acquisition applications only
  - Acquisition Schedule (EFN: *acqSched.doc, .docx or .pdf*)
  - Willing Seller Letter (EFN: *WillSell.pdf*)
  - Real Estate Appraisal (EFN: *Appraisal.pdf*)
- d. Additional submission requirements for Site Improvement / Restoration Project applications only
  - Land Tenure Documents (EFN: *Tenure.pdf*)
  - Site Plan (EFN: *SitePlan.pdf*)
  - Leases or Agreements (EFN: *LeaseAgmnt.pdf*)

I certify that the information contained in the Application, including required attachments, is accurate, and that I have been authorized to apply for this grant.

  
Signed (Authorized Representative)

  
Date

Steve Wilensky, CHIPS Board Chair  
Name and Title (print or type)

## Appendix B - Full Application Checklist

SNC Reference#: \_\_\_\_\_

Project Name: \_\_\_\_\_

Applicant: \_\_\_\_\_

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    - Regulatory Requirements / Permits (EFN: *RegPermit.pdf*)
  - d.  Organizational Capacity
  - e.  Cooperation and Community Support
    - Letters of Support (EFN: *LOS.pdf*)
  - f.  Tribal Consultation Narrative (EFN: *tribal.doc, docx*)
  - g.  Long Term Management and Sustainability
    - Long-Term Management Plan (EFN: *LTMP.pdf*)
  - h.  Performance Measures
7. Budget documents
  - a.  Detailed Budget Form (EFN: *Budget.xls, .xlsx*)
8. Supplementary Documents
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- c. Additional submission requirements for Fee Title Acquisition applications only
  - Acquisition Schedule (EFN: *acqSched.doc, .docx or .pdf*)
  - Willing Seller Letter (EFN: *WillSell.pdf*)
  - Real Estate Appraisal (EFN: *Appraisal.pdf*)
- d. Additional submission requirements for Site Improvement / Restoration Project applications only
  - Land Tenure Documents (EFN: *Tenure.pdf*)
  - Site Plan (EFN: *SitePlan.pdf*)
  - Leases or Agreements (EFN: *LeaseAgmnt.pdf*)

I certify that the information contained in the Application, including required attachments, is accurate, and that I have been authorized to apply for this grant.

\_\_\_\_\_  
Signed (Authorized Representative)

\_\_\_\_\_  
Date

\_\_\_\_\_  
Name and Title (print or type)

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<b>SIERRA NEVADA CONSERVANCY</b>	
<b>PROPOSITION 1 – Watershed Improvement Program Project Information Form</b>	
<b>SNC REFERENCE #</b>	
<b>PROJECT NAME</b>	
<b>APPLICANT NAME</b> ( <i>Legal name, address, and zip code</i> )	
<b>AMOUNT OF GRANT REQUEST</b>	
<b>TOTAL PROJECT COST</b>	
<b>PROJECT LOCATION</b> ( <i>County with approx. lat/long, center of project area</i> )	
<b>SENATE DISTRICT NUMBER</b>	<b>ASSEMBLY DISTRICT NUMBER</b>
<b>PERSON WITH MANAGEMENT RESPONSIBILITY FOR GRANT CONTRACT</b>	
<i>Name and title:</i> _____ <i>Phone:</i> _____ <i>Email Address:</i> _____	
<input type="checkbox"/> Mr.	
<input type="checkbox"/> Ms.	
<b>TRIBAL CONTACT(S) INFORMATION</b>	
<i>Name:</i> _____ <i>Phone Number:</i> _____	
<i>Email address:</i> _____	
<b>COUNTY ADMINISTRATOR OR PLANNING DIRECTOR CONTACT INFORMATION</b>	
<i>Name:</i> _____ <i>Phone Number:</i> _____	
<i>Email address:</i> _____	
<b>NEAREST PUBLIC WATER AGENCY CONTACT INFORMATION</b>	
<i>Name:</i> _____ <i>Phone Number:</i> _____	
<i>Email address:</i> _____	

**Please identify the appropriate project category below and provide the associated details** *(Choose One)*

Category One Site Improvement

Category Two Pre-Project Activities

Category One Acquisition

**Site Improvement/ Acquisition Project Area (for Category One Projects Only)**

Total Acres:

SNC Portion (if different):

**Acquisition Projects Only For Acquisitions Only**

Appraisal Included

**Select one deliverable (for Category Two Projects Only)**

Permit

CEQA/NEPA Compliance

Appraisal

Condition Assessment

Biological Survey

Environmental Site Assessment

Plan

Project specific Board Authorization added to file 3/28/2016 (PE)



## **Calaveras Healthy Impact Product Solutions (CHIPS)**

**Blue Mountain Community Service Center, 291 Main Street #A, West Point, CA, 95255**

### **CHIPS BOARD RESOLUTION 2016 – 1**

#### **APPROVING APPLICATIONS FOR GRANT FUNDS FROM THE SIERRA NEVADA WATERSHED IMPROVEMENT PROGRAM PROPOSITION 1 GRANT PROGRAM AND AUTHORIZING THE BOARD CHAIR TO EXECUTE AND ADMINISTER THE GRANT AGREEMENT**

WHEREAS, the Legislature and Governor of the State of California have provided Funds for the program shown above; and

WHEREAS, Calaveras Healthy Impact Product Solutions (CHIPS), is a non-profit corporation that addresses environmental resource issues in the Upper Mokelumne River Watershed; and

WHEREAS, the Sierra Nevada Conservancy (SNC) has been delegated the responsibility for administration of a portion of these funds through a local assistance grants program that establishes necessary procedures; and

WHEREAS, said procedures require a resolution certifying the approval of project applications by the CHIPS' governing board before submission of grant applications to the SNC; and

WHEREAS, CHIPS has identified the SNC grant programs as valuable toward meeting its mission and goals.

BE IT HEREBY RESOLVED by the CHIPS Board of Directors that this Board:

- Certifies that it will enter into agreements with the SNC to execute its projects, if selected;
- Certifies that it understands the assurances and certification requirements in the application; and
- Certifies that it will have sufficient funds to operate and maintain project resources consistent with the long-term benefits described in support of the application, or will secure the resources to do so; and
- Certifies that it will comply with all legal requirements as determined during the application process; and

**CHIPS BOARD RESOLUTION 2016 – 1  
(Continued)**

- Appoints the CHIPS Board Chair, or designee, as the agent to conduct all negotiations and to submit and execute all documents including applications, agreements, payment requests, and so on, as necessary for project completion.

ADOPTED this 25<sup>th</sup> day of March 2016

BY:

DocuSigned by:  
*Steve Wilensky*  
\_\_\_\_\_  
Board Chair

ATTEST:

DocuSigned by:  
*Richard Torgerson*  
\_\_\_\_\_  
Authority Secretary



Calaveras healthy Impact Product Solutions  
P.O. Box 616, 291 A Main Street, West Point, CA 95255  
209-293-2333, [wp-chips@hotmail.com](mailto:wp-chips@hotmail.com)

February 23, 2016

To: Sierra Nevada Conservancy  
From: Steve Wilensky, CHIPS Board Chair  
Re: Category 2 Grant Application

This is to confirm that the CHIPS Board of Directors has authorized me to approve the submittal of the attached grant application to the Sierra Nevada Conservancy. We are pleased to participate in this effort, which will greatly benefit Calaveras County through important restoration efforts as well as advance our initiative to create and fund the Mokelumne Community Forest on 15,000 acres of BLM land in the Mokelumne Watershed. I hope you will give the application your highest consideration.

## 6. Narrative Descriptions

### a. Detailed Project Description

**BACKGROUND:** BLM manages 50 parcels totaling 14,470 acres in the Greater Mokelumne Watershed from Hwy 49 to Tiger Creek. BLM has been underfunded by the Congress for years and management of the Mokelumne Watershed has been neglected. Today, the Watershed is full of drought-dry fuel, dense brush, insect-killed trees, and acreage burned by the Butte Fire.

In an effort to increase its capacity, BLM is providing local residents the opportunity to manage their natural resources under an administrative umbrella called the Mokelumne Community Forest (MCF) ([Map1\\_Loc.pdf](#)). Similar Community Forests in California have augmented BLM's management team with local volunteers that secure non-federal funding for forest restoration and maintenance (<http://tcrd.net/wcf/index.htm>). The long-term goal of the MCF is to restore and maintain all BLM lands within the watershed in Amador and Calaveras Counties.

This project was prompted by the Butte Fire that burned over 11,000 acres in the MCF before it was stopped deep in the SF Mokelumne Canyon below Glencoe ([Map2\\_Vicinity.pdf](#)). Had it continued up the North, Middle and South Fork Canyons of the Mokelumne River, it might have devastated the entire Watershed, the communities of Railroad Flat, Wilseyville West Point, Pine Grove and Pioneer and threatened the up-country industrial and USFS timberlands. The current project is strategically placed 1.3 miles up the canyon from Glencoe and designed to stop wildfire from running up and down the drainage.

**ECOLOGY:** The project covers 912 acres of watershed on both sides of the SF Mokelumne River and across two tributaries ([Map3\\_Topo.pdf](#); [Map4\\_TopoAerial.pdf](#)). Elevations range from 2,000' to 2,800'. The ridges are relatively flat while slopes exceed 30% in the mesic areas.

While the riparian zones are populated with dense Douglas-fir, vegetation types on the ridges are variable. Local variations in topography, vegetation and access have prompted the division of the project into five treatment units ([Map6\\_SitePlan.pdf](#)). Oaks dominate the south facing Sandy Gulch Unit while Douglas-firs dominate the north facing slopes in the Indian River, Cemetery and Wells Fargo Units. The ridge on the Humbug Unit is covered with 75 acres of dense Manzanita. With the exception of the Indian River Unit, abandoned pine plantations cover 400 acres of the remaining unit; they are covered with dense brush, over-stocked saplings and poor quality timber.

**GOALS:** This Category 2 application will provide the NEPA/CEQA analysis required to implement of the following goals on the SF Mokelumne River Watershed.

1. Reduce the risk of fire ignition, intensity, spread and burn severity on the watershed and WUI parcels by removing dense surface fuels, increasing height to canopy, decreasing crown density, and retaining large fire-resistant tree species;
2. Maintain water quality by minimizing the risk of stand-leveling wildfire and severe soil burns that cause extensive erosion from unstable slopes;
3. Increase water yield and stand resiliency to drought-related mortality, including insect and other pathogens, by removing water consumption from dense brush and overstocked trees;
4. Mitigate global warming by reducing Green House Gas emissions by:
  - a. Creating a forest that is resilient to stand-leveling wildfire;
  - b. Increasing carbon sequestration through accelerated growth of the large diameter, post-treatment stand;
5. Increase the diversity of flora and fauna by providing open space for sun light to reach the forest floor.

**BENEFITS:** The project is designed to minimize the fire threat to local life, property and infrastructure in MCF, while safeguarding the quality of water for downstream users in Central and Southern California. The SF Mokelumne River flows westward through the project site into the Middle Fork Mokelumne, North Fork Mokelumne and Pardee Reservoir supporting Kokanee salmon as well as rainbow and brown trout. Pardee water is the source of domestic and industrial water for EBMUD's 1.4 million customers in the East Bay. Pardee water also generates electrical power before draining into Camanche Reservoir. Camanche water feeds the Main Stem Mokelumne River which discharges into the Bay-Delta Watershed for use by Central Valley agriculture and 25 million domestic users in Southern California. The Main Stem is a vital fishery for Chinook salmon and steelhead that reproduce in the Mokelumne River Hatchery below the Camanche Dam.

Locally, the SF Mokelumne Watershed recharges ground water used by up-country residents. There are 30+ developed parcels on the project perimeter with domestic wells that pump water from hard rock fissures ([Map5 Parcels.pdf](#)). The average depth to water ranges from 301-700 feet and some wells failed intermittently during drought year #4. Vegetative thinning on 912 acres in the watershed will conserve groundwater and maintain the static water level in these wells.

## **b. Workplan and Schedule**

Much of the planning for this projects has been provided by the Calaveras Amador Forestry Team (CalAm), a small group of retired professional. Based on field reconnaissance they have drafted prescriptions for silvicultural and fuels treatments that are summarized below.

Remove the majority of suppressed and intermediate trees. Remove insect infested and killed trees. Reduce the basal area in the pine plantations to 175 square feet/acre. Remove understory surface and ladder fuels. Reduce tree crown connections to prevent canopy fire. Masticate understory fuel and replant at 100 saplings per acre with quality seedling stock. Use mechanical mastication on the 591 acres with gentle slopes and hand treatment on the 321 acres where slopes exceed 30% ([Map7\\_Treatments.pdf](#)). The riparian exclusion zone, 150' from stream center, will not be treated.

With Category 2 funding, a single environmental study will provide the NEPA analysis and the crosswalk to CEQA compliance on the entire 912 acre BLM site. This achievement will provide the flexibility to implement the entire project under a single large grant given sufficient funds, or to implement on each of the five smaller units over time as funding opportunities arise from grants or other sources- sale of saw-logs, biomass for cogeneration plants, wood shreds for erosion control etc.

## **PROJECT DELIVERABLES**

## **TIMELINE**

### **Category 2 Planning Grant**

Application due at the SNC	1-Mar-16
SNC funding awards are announced	1-Jun-16+
Botany/Wildlife contractor completes field survey	1-Jun-16
Grant start date	1-Jul-16+
Cultural Resources contractor completes field survey	1-Aug-16
Cultural Resource & Botany reports due	15-Oct-16
NEPA/CEQA analysis due at the SNC	1-Dec-16

### **Category 1 Implementation Grant**

Implementation grant application due to SNC	1-Sep-16
SNC funding awards are announced	1-Nov-16+
Grant start date	1-Dec-17+
Implementation completed	1-Dec-20

## **c. Restrictions, Technical/Environmental Documents and Agreements**

This proposal is a Category 2 project; The NEPA environmental review requires analysis, completion and approval.

Beyond the administrative agreement between BLM and CHIPS and the contracts between the NEPA/CEQA professionals, no restrictions or other agreements are necessary for the project to be awarded and successfully completed.

#### **d. Organizational Capacity**

CHIPS began field work in 2008. Early projects included 100 foot clearance around 78 senior citizen homes for the Calaveras Foothill Fire Safe Council, restoration of six Mi-Wuk cultural sites in the Calaveras Ranger District of the Stanislaus National Forest, and numerous private contracts involving plantation thinning, chipping, defensible space clearances around homes, and shaded fuel breaks on BLM variances.

The original capital for CHIPS came from National Forest Foundation, a \$500,000 Federal Earmark, A USDA Rural Business Enterprise Grant, and a grant from the Sierra Nevada Conservancy. Since 2010 CHIPS has run its field and administrative operations using program income. The following account shows steady growth that clearly demonstrates the capacity of CHIPS to administer grants and contracts and implement them successfully.

2010: 57 acres of fuel breaks and plantation thinning- Danielson, Norwich Mine, and Banner.

2011: BLM-Lilly Gap shaded fuel break, plantation thinning, mastication, and chipping  
Private Lands- 10 projects totaling 32 acres of forest thinning

2012: Stanislaus National Forest: Alpine Fuel Break- 35 acres  
El Dorado National Forest: Power Fire Sensitive Sites- 10 acres  
Private Homeowners fire safe clearance- 30 acres

2013: Stanislaus National Forest: Skyline Fuel Break: 27 acres  
El Dorado National Forest: Silver Lake Fuel Reduction- 18 acres  
Private homeowners- 41 acres

2014 Stanislaus National Forest: Skyline Fuel Break- 20 acres  
Ramsey Fuel Break- 80 acres  
El Dorado National Forest: View 88 Fuel Break- 50 acres  
Amador Fire Safe Council: Roadside Clearing, 100 foot clearance  
Roadside chipping- 60 days  
Private contracts: 52 acres

2015 Stanislaus National Forest: Skyline Fuel Break-11 acres  
Roadside clearing- 17 acres  
Native American sensitive sites- 6 acres  
Fuel reduction- 30 acres  
El Dorado National Forest: View 88 fuel break- 30 acres  
PiPi Valley sensitive sites- 20 acres  
Amador Fire Safe Council: Roadside clearing- 6 miles  
Private contracts: 80 acres

2016 BLM Butte Fire restoration: Helicopter erosion control- 4 laborers/4 weeks  
Scheduled work:  
Stanislaus National Forest: Native American sensitive sites- 60 acres  
Fuel reduction- 188 acres  
El Dorado National Forest: Native American sensitive sites- 30 acres  
Fuel reduction- 50 acres  
Private contracts: Ongoing

## **e. Cooperation and Community Support**

The Sandy Gulch project garners neighborhood, county and regional support as indicated in the various letters of support. The neighborhood is well aware of the relationship between the drought, the Butte Fire, insect-killed tree mortality and failed water wells, so any attempt at forest restoration for fire and drought resilience gets enthusiastic support ([LOS\\_Neighbors.pdf](#))! Noting that the Butte Fire travelled up, down and across the Mokelumne Canyon with the changing wind, CAL FIRE recognizes that fuels reduction across the landscape on both sides of the SF Mokelumne River will provide strategic locations to defend against wildfire in the WUI, and they are adding this project to their 'Tuolumne-Calaveras Unit Strategic Fire Plan 2016 ([LOS\\_CalFire.pdf](#)). On the regional level, the water districts, including EBMUD, know that both water quality and quantity depend on a healthy watershed that minimizes the risk of wildfire and soil erosion while maximizing ground water storage and water yield through the removal of overstocked vegetation ([LOS\\_EBMUD.pdf](#)). The timber industry welcomes any attempt to control tree mortality, and return unmanaged BLM land to healthy, productive forests.

It is important to note, that the Amador-Calaveras Consensus Group has endorsed the SF Mokelumne River Watershed Project with its diverse membership that cares deeply about the Mokelumne Watershed ([LOS\\_ACCG.pdf](#)):

- Amador County Veterans Organizations
- Amador Fire Safe Council
- Amador-Calaveras Cooperative Association for Biomass Utilization (ACCABU)
- Blue Mountain Community Renewal Council
- Blue Mountain GIS
- Buena Vista Biomass Power
- CA Department of Fish and Wildlife
- CA Indian Manpower Consortium
- Calaveras Foothills Fire Safe Council
- Calaveras Healthy Impact Product Solutions (CHIPS)
- CALFAUNA

- CAL FIRE
- Central Sierra Resource Conservation and Development Council
- Ebbetts Pass Forest Watch
- Heissenbuttel Natural Resource Consulting
- John Hoffmann
- Mary Boblet
- Motherlode Job Training
- Pacific Gas and Electric Company
- Sierra Forest Legacy
- Sierra Nevada Conservancy
- Smith's Grinding
- Steve Wilensky
- Chris Wright, Calaveras County District 2 Supervisor
- Terry Woodrow, Alpine County District 4 Supervisor
- The Nature Conservancy

#### Letters of Support

Kimberly Grissom, Administrator, Amador Calaveras Consensus Group, [LOS\\_ACCG.pdf](#)

William S. Haigh, Mother Lode Field Manager, BLM, [LOS\\_BLM.pdf](#)

Christopher Wright, Calaveras County Supervisor, [LOS\\_CaCo\\_BOS.pdf](#)

Mike Blankenheim, Battalion Chief @ West Point, CAL FIRE, [LOS\\_CalFire.pdf](#)

Richard G. Sykes, Director of Water & Natural Resources, EBMUD, [LOS\\_EBMUD.pdf](#)

H. Richard Roth & Susan McMorris, Residents @ Sandy Gulch, [LOS\\_Neighbors.pdf](#)

## **f. Tribal Consultation Narrative**

As part of the NEPA/CEQA process, input from local tribes will be sought. Their endorsement is anticipated as the fiscal agent for this project is the 'Calaveras Healthy Impact Product Solutions' (CHIPS), a local non-profit founded 11 years ago to reduce chronic unemployment in northeast Calaveras County by providing jobs in forest restoration. The CHIPS Board includes Mi-Wuk Elders who have worked closely with the California Indian Manpower Corporation on the recruitment, training, and hiring process in the Native American Community. Today, 25% of the CHIPS' workforce comes from the Native American community.

Contact information for the Calaveras Band of Mi-Wuk Indians:

- Briana Creekmore. 5411 Old Gulch Rd., San Andreas, Ca 95249. Tribal Affiliation: Miwok – Mi-Wuk. Phone: 209-256-4150. Email: [cvmt@live.com](mailto:cvmt@live.com)
- Silvia Burley, Chairperson, California Valley Miwok Tribe. 10601 N. Escondido Place, Stockton, CA 95212 Tribal Affiliation: Miwok. Phone: (209) 487-9519 or (209) 770-4137.

## **g. Long Term Management and Sustainability**

A goal of the SF Mokelumne Watershed Restoration Project is to create a fire and disease resilient forest that maximizes water retention and carbon sequestration using the management guidelines published in the following documents:

BLM's 2008 Sierra Resource Management Plan and Final Record of Decision  
([http://www.blm.gov/style/medialib/blm/ca/pdf/folsom/rmp.Par.86036.File.dat/Sierra\\_ROD\\_Final\\_web.pdf](http://www.blm.gov/style/medialib/blm/ca/pdf/folsom/rmp.Par.86036.File.dat/Sierra_ROD_Final_web.pdf))

North, Malcolm, ed. 2012. Managing Sierra Nevada forests. Gen. Tech. Rep. PSW-GTR-237. Albany, CA: U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station. 184 p.

<http://www.plantsciences.ucdavis.edu/affiliates/north/Publications/Managing%20Sierra%20Nevada%20Forest%20PSW%20GTR%20237.pdf>)

Recent experience in the Mokelumne Watershed indicates that 10-year treatment cycles are needed to suppress returning brush and saplings by controlled burns, mastication and hand crews, none of which generate revenue. The SF Mokelumne River Watershed Restoration project will return 912 acres of forest to timber production

and the proceeds from commercial harvests will pay for future maintenance independent of grant funding!

Over the decades, BLM has missed these 10-year treatment cycles for lack of capacity, manpower and money. The basic principle behind the Mokelumne Community Forest is to augment BLM's management capacity with the diverse resources of local stakeholders to assure that future planning and maintenance gets done ([LOS BLM.pdf](#))! As a preview, consider the ad hoc group of local retired professionals, the 'Calaveras Amador Forestry Team that created this SNC application for Category 2 funding. Working under BLM's lead with advice from CAL FIRE, the CalAm Team identified forest needs, performed all scoping, created all of the maps, and wrote this application at their own expense. CHIPS offered to be the fiscal agent and provide administrative support. This collaborative spirit will thrive in the future given the administrative structure of the Mokelumne Community Forest! This is the same collaborative spirit that has led to ACCG's success in the implementation of the Collaborative Forest Landscape Restoration Program.

## **h. Performance Measures**

Project Specific PMs. The project will complete a NEPA analysis on 912 acres of land managed by BLM. It will also complete the crosswalk to CEQA.

Quantative PMs. The number and type of jobs created by this category 2 project will be tracked and reported to the SNC. Most jobs will be at the professional level under contract. The Cultural Resources Report will be developed by professional historians and archeologists while the Botany and Wildlife reports will be performed by Registered Professional Foresters (RPF). The NEPA/CEQA cross walk will also be completed by an RPF. Grant administration will be performed by CHIPS by a part time employee.

The number and type of In-kind service will also be tracked and reported as a leveraged resource. The budget estimate includes professional in-kind service valued at \$34,250.

The number of people reached will also be reported. The major stakeholder in collecting data and building this category 2 application was the CalAm Forestry Team working in collaboration with BLM, CAL FIRE and the local residents.

The project also leverages the neighboring 40 acre Schlinkman Ranch, a model of forest restoration. Since the current project will restore 912 acres, a total of 952 acres of the Mokelumne Watershed will become healthy forest.

**SIERRA NEVADA CONSERVANCY**  
**SNC Watershed Improvement Program - DETAILED BUDGET FORM**

**Project Name: South Fork Mokelumne River Restoration**  
**Applicant: Calaveras Healthy Impact Product Solutions (CHIPS)**

<b>SECTION ONE</b>		
<b>DIRECT COSTS*</b>	<b>Year One</b>	<b>Total</b>
Project Management Costs		
<i>Cultural Resource Study Contractor*</i>	\$52,000.00	\$52,000.00
<i>Botany/Wildlife Resource Study Contractor</i>	\$7,000.00	\$7,000.00
<i>NEPA/CEQA Crosswalk Contractor</i>	\$8,000.00	\$8,000.00
<b>DIRECT COSTS SUBTOTAL:</b>	<b>\$67,000.00</b>	<b>\$67,000.00</b>

\*Any cost overruns to achieve project completion in the grant period will be borne by BLM.

<b>SECTION TWO</b>		
<b>PARTIAL IDIRECT COSTS</b>	<b>Year One</b>	<b>Total</b>
<i>Printing/Publications</i>	\$350.00	\$350.00
<b>INDIRECT COSTS SUBTOTAL:</b>	<b>\$350.00</b>	<b>\$350.00</b>
<b>PROJECT TOTAL:</b>	<b>\$67,350.00</b>	<b>\$67,350.00</b>

<b>SECTION THREE</b>		
<b>Administrative Costs</b>	<b>Year One</b>	<b>Total</b>
<u>CHIPS - overhead rate at 10%</u>	\$6,735.00	\$6,735.00
<b>ADMINISTRATIVE TOTAL:</b>	<b>\$6,735.00</b>	<b>\$6,735.00</b>
<b>SNC TOTAL GRANT REQUEST:</b>	<b>\$74,085.00</b>	<b>\$74,085.00</b>

<b>SECTION FOUR</b>		
<b>OTHER PROJECT CONTRIBUTIONS</b>	<b>Year One</b>	<b>Total</b>
<i>BLM documents prep/NEPA coalescing</i>	\$7,500.00	\$7,500.00
<i>CalAm Forestry Team-Natural Resources Consultants</i>	\$20,000.00	\$20,000.00
<i>Julia Costello, Ph.D, Archeologist, NEPA/CEQA &amp; NHPA compliance*</i>	\$6,750.00	\$6,750.00
<b>Total Other Contributions:</b>	<b>\$34,250.00</b>	<b>\$34,250.00</b>

\* Cost estimate based on consultation with Julia Costello (costello@foothill-resources.com) and PATRICK GIS GROUP INC (costello@foothill-resources.com).

**[Appendix F does not apply to Category 2 applications]**

**Appendix F - CEQA/NEPA Compliance Form**

(California Environmental Quality Act & National Environmental Policy Act)

*Instructions: All applicants must complete the CEQA compliance section. Check the box that describes the CEQA status of the proposed project. You must also complete the documentation component and submit any surveys, and/or reports that support the checked CEQA status.*

*If NEPA is applicable to your project, you must complete the NEPA section in addition to the CEQA section. Check the box that describes the NEPA status of the proposed project. Submit any surveys, and/or reports that support the NEPA status. For both CEQA and NEPA, submittal of permits is only necessary if they contain conditions providing information regarding potential environmental impacts.*

*NOTE: Effective July 1, 2015, AB52 compliance is required.*

**CEQA STATUS**

**(All applicants must complete this section)**

*Check the box that corresponds with the CEQA compliance for your project. The proposed action is either Categorical Exempt from CEQA, requires a Negative Declaration, Mitigated Negative Declaration, or an Environmental Impact Report per CEQA.*

---

**N/A Categorical Exemption or Statutory Exemption**

*If a project is exempt from CEQA, all applicants, including public agencies that provide a filed Notice of Exemption, are required to provide a clear and comprehensive description of the physical attributes of the project site, including potential and known special-status species and habitat, in order for the SNC to make a determination that the project is exempt. A particular project that ordinarily would fall under a specific category of exemption may require further CEQA review due to individual circumstances, i.e., it is within a sensitive location, has a cumulative impact, has a significant effect on the environment, is within a scenic highway, impacts an historical resource, or is on a hazardous waste site. Potential cultural/archaeological resources must be noted, but do not need to be specifically listed or mapped at the time of application submittal. Backup data informing the exemption decision, such as biological surveys, Cultural Information Center requests, research papers, etc. should accompany the full application. Applicants anticipating the SNC to file an exemption should conduct the appropriate surveys and submit an information request to an office of the California Historical Resources Information System (CHRIS).*

1. Describe how your project complies with the requirements for claiming a Categorical or Statutory Exemption per CEQA:

2. If your organization is a state or local governmental agency, submit a signed, approved Notice of Exemption (NOE) documenting the use of the Categorical Exemption or Statutory Exemption, along with any permits, surveys, and/or reports that have been completed to support this CEQA status. The Notice of Exemption must bear a date stamp to show that it has been filed with the State Clearinghouse and/or County Clerk, as required by CEQA.
3. If your organization is a nonprofit, there is no other California public agency having discretionary authority over your project, and you would like the SNC to prepare a NOE for your project, let us know that and list any permits, surveys, and/or reports that have been completed to support the CEQA status. All supplementary documentation must be provided to the SNC before the NOE can be prepared.

---

**N/A Negative Declaration OR**

**N/A Mitigated Negative Declaration**

*If a project requires a Negative Declaration or Mitigated Negative Declaration, then applicants must work with a qualified public agency, i.e., one that has discretionary authority over project approval or permitting, to complete the CEQA process.*

1. Describe how your project complies with the requirements for the use of a Negative Declaration or a Mitigated Negative Declaration per CEQA:

2. Submit the approved Initial Study and Negative Declaration/Mitigated Negative Declaration along with any Mitigation Monitoring or Reporting Plans, permits, surveys, and/or reports that have been completed to support this CEQA status. The IS/ND/MND must be accompanied by a signed, approved Notice of Determination, which must bear a date stamp to show that it has been filed with the State Clearinghouse and/or County Clerk, as required by CEQA.

---

**N/A Environmental Impact Report**

*If a project requires an Environmental Impact Report, then applicants must work with a qualified public agency, i.e., one that has discretionary authority over project approval or permitting, to complete the CEQA process.*

1. Describe how your project complies with the requirements for the use of an Environmental Impact Report per CEQA:

**[Appendix F does not apply to Category 2 applications]**

**Appendix F - CEQA/NEPA Compliance Form**

(California Environmental Quality Act & National Environmental Policy Act)

*Instructions: All applicants must complete the CEQA compliance section. Check the box that describes the CEQA status of the proposed project. You must also complete the documentation component and submit any surveys, and/or reports that support the checked CEQA status.*

*If NEPA is applicable to your project, you must complete the NEPA section in addition to the CEQA section. Check the box that describes the NEPA status of the proposed project. Submit any surveys, and/or reports that support the NEPA status. For both CEQA and NEPA, submittal of permits is only necessary if they contain conditions providing information regarding potential environmental impacts.*

*NOTE: Effective July 1, 2015, AB52 compliance is required.*

**CEQA STATUS**

**(All applicants must complete this section)**

*Check the box that corresponds with the CEQA compliance for your project. The proposed action is either Categorical Exempt from CEQA, requires a Negative Declaration, Mitigated Negative Declaration, or an Environmental Impact Report per CEQA.*

---

**N/A Categorical Exemption or Statutory Exemption**

*If a project is exempt from CEQA, all applicants, including public agencies that provide a filed Notice of Exemption, are required to provide a clear and comprehensive description of the physical attributes of the project site, including potential and known special-status species and habitat, in order for the SNC to make a determination that the project is exempt. A particular project that ordinarily would fall under a specific category of exemption may require further CEQA review due to individual circumstances, i.e., it is within a sensitive location, has a cumulative impact, has a significant effect on the environment, is within a scenic highway, impacts an historical resource, or is on a hazardous waste site. Potential cultural/archaeological resources must be noted, but do not need to be specifically listed or mapped at the time of application submittal. Backup data informing the exemption decision, such as biological surveys, Cultural Information Center requests, research papers, etc. should accompany the full application. Applicants anticipating the SNC to file an exemption should conduct the appropriate surveys and submit an information request to an office of the California Historical Resources Information System (CHRIS).*

1. Describe how your project complies with the requirements for claiming a Categorical or Statutory Exemption per CEQA:

## 8. Supplementary Documents

### a. Environmental Documents

#### i. NEPA to CEQA Crosswalk

This is a Category 2 project for environmental studies. BLM will be the lead agency for the NEPA analysis and the Amador Resource Conservation District (ARCD) will be the lead agency for the crosswalk to CEQA ([LOS\\_AmadorRCD.jpg](#)). The CalAm Forestry Team will provide the ARCD with in-kind service as needed.

# Amador Calaveras Consensus Group

c/o Blue Mountain GIS PO Box 216 Mokelumne Hill, CA 29245  
209-479-0868

TO: SIERRA NEVADA CONSERVANCY  
11521 Blocker Drive, Suite 205  
Auburn, CA 95603

February 17, 2016

RE: Support for the South Fork Mokelumne River Watershed Restoration Project

The Amador-Calaveras Consensus Group (ACCG) is a diverse, community-based collaborative that works to create fire-safe communities, healthy forests, functional watersheds, and sustainable local economies. Its members represent diverse interests including local citizens, county, state and federal agencies, the timber industry, and environmental advocacy organizations. The ACCG fully supports the 'South Fork Mokelumne River Watershed Restoration Project' to improve forest resilience to wildfire, decrease pine mortality from bark beetle infestation, increase carbon sequestration, and conserve water on 900 acres of BLM land in NE Calaveras County.

Recognizing that it lacks the capacity to manage its vast land holdings, BLM is providing local residents the opportunity to manage their natural resources under an administrative umbrella called the Mokelumne Community Forest, a collection of 50 parcels totaling 14,470 acres representing a third of the Mokelumne Watershed between 900-4,000 feet in elevation. The current project is the result of the collaborative effort between BLM and the Calaveras-Amador Forestry Team, a dedicated group of retired professionals. The long-term objective of this team is to restore the ecologic functions on all 50 parcels in the Mokelumne Community Forest while restoring timber productivity to fund long-term maintenance.

The ACCG endorses the proposal because: (1) Its concepts are drawn from existing Community Wildfire Protection Plans that have prioritized projects within Calaveras county. (2) Treatments conform to GTR220 guidelines. (3) It addresses all of the objectives of the SNC 'Watershed Improvement Program'. (4) It aligns with the conclusions of the SNC 'Mokelumne Watershed Avoided Cost Analysis' that proactive forest management reduces the risk of catastrophic wildfire, protects water quality and, therefore, makes economic sense.

We urge your support in funding this proposal.

Sincerely,

/s/Kimberly Grissom  
Blue Mountain GIS  
Administrator, Amador Calaveras Consensus Group  
Approved: February 17, 2016



**United States Department of the Interior**  
**BUREAU OF LAND MANAGEMENT**

Mother Lode Field Office  
5152 Hillside Circle  
El Dorado Hills, CA 95762  
[www.blm.gov/ca/motherlode](http://www.blm.gov/ca/motherlode)



February 26, 2016

SIERRA NEVADA CONSERVANCY  
11521 Blocker Drive, Suite 205  
Auburn, CA 95603

1700  
CA180.01

Re: PROPOSITION 1 GRANT APPLICATION, Funded by the Water Quality, Supply and Infrastructure Improvement Act of 2014

To Whom It May Concern:

I am writing to express my support for the CalAm Team's above-referenced grant application for the Crestview/Mitchell Mine and the South Fork Mokelumne River Watershed Restoration Projects.

These grants will allow the immediate implementation of the Crestview/Mitchell Mine project, a forest health initiative on BLM lands in Amador County, as well as NEPA and CEQA analysis of the South Fork Mokelumne River Watershed Restoration project on BLM-administered public lands within the Mokelumne River watershed in Calaveras County. Both projects are located entirely within the wildland-urban interface and will provide critical protection to the communities of Pine Grove and Volcano in Amador County as well as West Point, Glencoe and Wilseyville in Calaveras County.

The proposals are fully consistent with BLM's Sierra Resource Management Plan, and would enhance forest and watershed health within BLM's 15,000 acre Mokelumne Community Forest. Restoring the health of the Mokelumne River watershed is the primary purpose of the Community Forest, and both projects would significantly contribute to the achievement of this goal. Project concepts are drawn from existing Community Wildfire Protection Plans, which prioritize projects within the Mokelumne River watershed. In addition, the recently-completed Mokelumne Watershed Avoided Cost Analysis was utilized in the design of the projects and in the preparation of this grant application. This study concluded that it makes economic sense to increase investment in proactive forest management to reduce the risk of large wildfires, especially in the central and lower portions of the watershed where the projects are located.

Accordingly, I strongly support the CalAm Team's proposal.

Sincerely,

William S. Haigh  
Mother Lode Field Manager



SUPERVISOR –DISTRICT 2

CHRISTOPHER WRIGHT

DATE: February 24, 2016

TO: SIERRA NEVADA CONSERVANCY  
11521 Blocker Drive  
Suite 205  
Auburn, CA 95603

RE: PROPOSITION 1 GRANT APPLICATION, Funded by the  
Water Quality, Supply, and Infrastructure Improvement Act of 2014

Sierra Nevada Conservancy:

The Calaveras County District Supervisor fully supports the Calaveras/Amador Forestry Team's efforts along with CHIPS collaboration for the 'South Fork Mokelumne River Watershed Restoration' project. This planning project will facilitate NEPA/CEQA analysis on BLM lands in Calaveras County that provide critical Wildland-Urban Interface protection to the communities of Wilseyville, Rail Road Flat, West Point and Glencoe. Following the NEPA/CEQA analysis, the CalAm Team will immediately pursue funding for the implementation of the project which will significantly reduce the fuel hazard in these vital WUI zones and bring the lands into a managed condition.

The project concepts are drawn from existing Community Wildfire Protection Plans (CWPPs) that have prioritized projects within the county. In addition, the MACA Study (Mokelumne Watershed Avoided Cost Analysis) has been utilized for preparation of this grant application. This study concluded that it does indeed make economic sense to increase investment in proactive forest management to reduce the risk of large, damaging wildfires. In fact, this project stems from 'Lessons Learned' during the Butte Fire by constructing a large shaded fuel break near the very location in the Mokelumne Canyon where Butte was stopped.

It is noteworthy that this project was developed by BLM and local stakeholders- the CalAm Team, CAL FIRE in West Point, the Amador Calaveras Consensus Group and the neighbors in Sandy Gulch. This collaboration between BLM and its local partners is the basic principle driving the formation of the Mokelumne Community Forest on 15,000 acres in the Mokelumne Watershed. The inclusion of local citizens in the management of BLM lands in their neighborhood is intended to sustain our forest restoration investments through long-term forest maintenance.

I urge your support in funding this proposal.

Sincerely,  
*Christopher Wright*

Christopher Wright  
Vice-Chair Calaveras County Supervisor



## DEPARTMENT OF FORESTRY AND FIRE PROTECTION

## Tuolumne Calaveras Unit

785 Mountain Ranch Road  
San Andreas, California 95249  
(209) 754-3831  
Website: [www.fire.ca.gov](http://www.fire.ca.gov)



Date: February 25, 2016

To: Sierra Nevada Conservancy  
11521 Blocker Drive  
Suite 205  
Auburn CA, 95603

Re: Proposition 1 Grant Application, Funded by the Water Quality, Supply and Infrastructure Improvement Act of 2014.

The CAL FIRE Tuolumne Calaveras Unit fully supports the Calaveras Amador Forestry Team's effort to protect the Mokelumne River Watershed from catastrophic fire by reducing fuels on the BLM lands. The Mokelumne River is the source of water for local communities in its upper reaches, and for over 1 million California residents in the Bay Area. It is also an important fishery and vital to the survival of Chinook salmon and steelhead.

Due to drought stressed vegetation, the exponential increase in tree mortality from insect infestation, and continuous heavy fuel loading on the landscape, the Butte Fire ignited in the North Fork Mokelumne River Canyon in September 2015 and burned with near historic intensity.

Nearly 72,000 acres and 535 homes were destroyed in Calaveras and Amador Counties and two residents lost their lives. Unfortunately, the Butte fire is not an anomaly as it is the third fire (The Rim Fire in 2013 and the King Fire in 2014) in as many years to burn with that intensity in the Sierra Nevada Foothills.

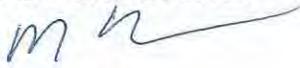
Fuel reduction treatments in strategically located areas are absolutely necessary to control wild land fires that escape initial control efforts. As the Mokelumne Avoided Costs Analysis concluded,

*"... thinning the forests and reducing hazardous fuels would substantially reduce the probability, extent, and intensity of wildfire in the watershed, leading to quantifiable cost savings. In short, strategic fuel reduction treatments are a good investment and produce multiple benefits to landowners, residents, and watershed interests and beneficiaries... This study shows that the total quantified benefits of fuel treatment would far exceed the costs of treatment if fires occur over the next few decades, which is a strong possibility. The benefits accrue to a wide range of land and water managers and owners, public and private entities, and taxpayers and electric and water utility ratepayers in general."*

CONSERVATION IS WISE-KEEP CALIFORNIA GREEN AND GOLDEN

PLEASE REMEMBER TO CONSERVE ENERGY. FOR TIPS AND INFORMATION, VISIT "FLEX YOUR POWER" AT [WWW.CA.GOV](http://WWW.CA.GOV).

The Calaveras County "South Fork Mokelumne River Watershed" project, when complete, will provide us with a shaded fuel break that will connect Highway 26 to Independence Road by connecting ridges on both sides of the South Fork. This will be our first, and therefore only, fuel break in the South Fork Canyon and will be critical in our future efforts to control a fire in the drainage near the communities of Wilseyville, Rail Road Flat, West Point and Glencoe.

A handwritten signature in blue ink, appearing to read "M Blankenheim", with a long horizontal flourish extending to the right.

Sincerely,  
Mike Blankenheim  
Battalion Chief, West Point Battalion

February 24, 2016

Sierra Nevada Conservancy  
11521 Blocker Drive, Suite 205  
Auburn, CA 95603

**SUBJECT: South Fork Mokelumne River Watershed Restoration Project**

To Whom It May Concern:

The East Bay Municipal Utility District (EBMUD) is a public water utility in the San Francisco Bay Area and supplies 1.4 million customers with water originating from the Mokelumne River watershed in the central Sierra Nevada. Forest management and fire continue to be subjects of great interest to EBMUD because of the potential impacts that catastrophic fire can have on water supply and quality. The combination of dead/dying trees, insect attacks, and the increased presence of larger, higher intensity wildfire on the landscape has the potential to negatively impact water resources, increase the release of greenhouse gases, and increase public safety risks. Impacts to water quality and supply are especially critical because of the drought conditions that persist in California.

EBMUD is very supportive of the proposed "South Fork Mokelumne River Watershed Restoration Project" as developed through the collaborative partnership between the Bureau of Land Management (BLM) and the Amador-Calaveras Forestry Team (consisting of retired forest management professionals). This project will result in a significant increase in capacity to support the management of lands owned by the BLM within the Mokelumne watershed through the Community Forest model to support the restoration of forest health and ecosystem resiliency on BLM lands within the Mokelumne River watershed.

EBMUD enthusiastically supports this proposed work because of the potential for greatly improving the long-term management and sustainability of the Mokelumne River watershed which provides ecosystem services that benefit EBMUD ratepayers, local communities, and the Sierra Nevada and Central Valley regions.

Sincerely,



Richard G. Sykes

RGS:RLL:dec

cc: P. McGreevy, Calaveras-Amador Forestry Team

## Residents of Sandy Gulch

TO: SIERRA NEVADA CONSERVANCY  
11521 Blocker Drive, Suite 205  
Auburn, CA 95603

February 27, 2016

RE: Support for the South Fork Mokelumne River Watershed Restoration Project

We have polled all nine of the developed property owners that live adjacent (on the north and west side) to the BLM land north of the South Fork Mokelumne River and all, unanimously, support this project. Having survived the four year drought, the Butte Fire, and facing the pine beetle epidemic, we applaud the goals of the 'South Fork Mokelumne River Watershed Restoration Project' to improve forest resilience to wildfire, decrease tree mortality from bark beetle infestation, increase carbon sequestration, and conserve water on 900 acres of BLM land in our neighborhood.

Regarding water conservation, we pump ground water for domestic use and depend on the SF Mokelumne Watershed to recharge our wells each wet season. There are ~30 private parcels that border the project perimeter with domestic wells that tap water in hard rock fissures. County records indicate that the average depth to water of hard rock wells has increased over the years. The well depth in our neighborhood ranges from 301-700 feet and the average pre-drought yield was 11-30 gallons per minute. As the drought progresses some of our wells fail intermittently, a sign of pending disaster. We believe that the removal of dense brush and plantation thinning on the 900 acres of BLM will keep water on the watershed and recharge our groundwater.

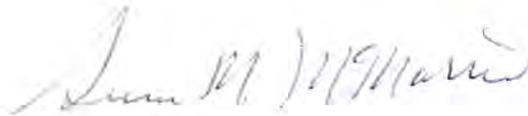
We note that BLM resources are minimal at best and that maintenance on their Mokelumne Watershed lands has not been performed for years. We hope to become members of the Mokelumne Community Forest and partner with BLM on maintenance in the future so that the investment in the SF Mokelumne River Restoration is sustained forever.

Restoration of the SF Mokelumne Watershed is vital to our community. Please fund this proposal.

Sincerely,

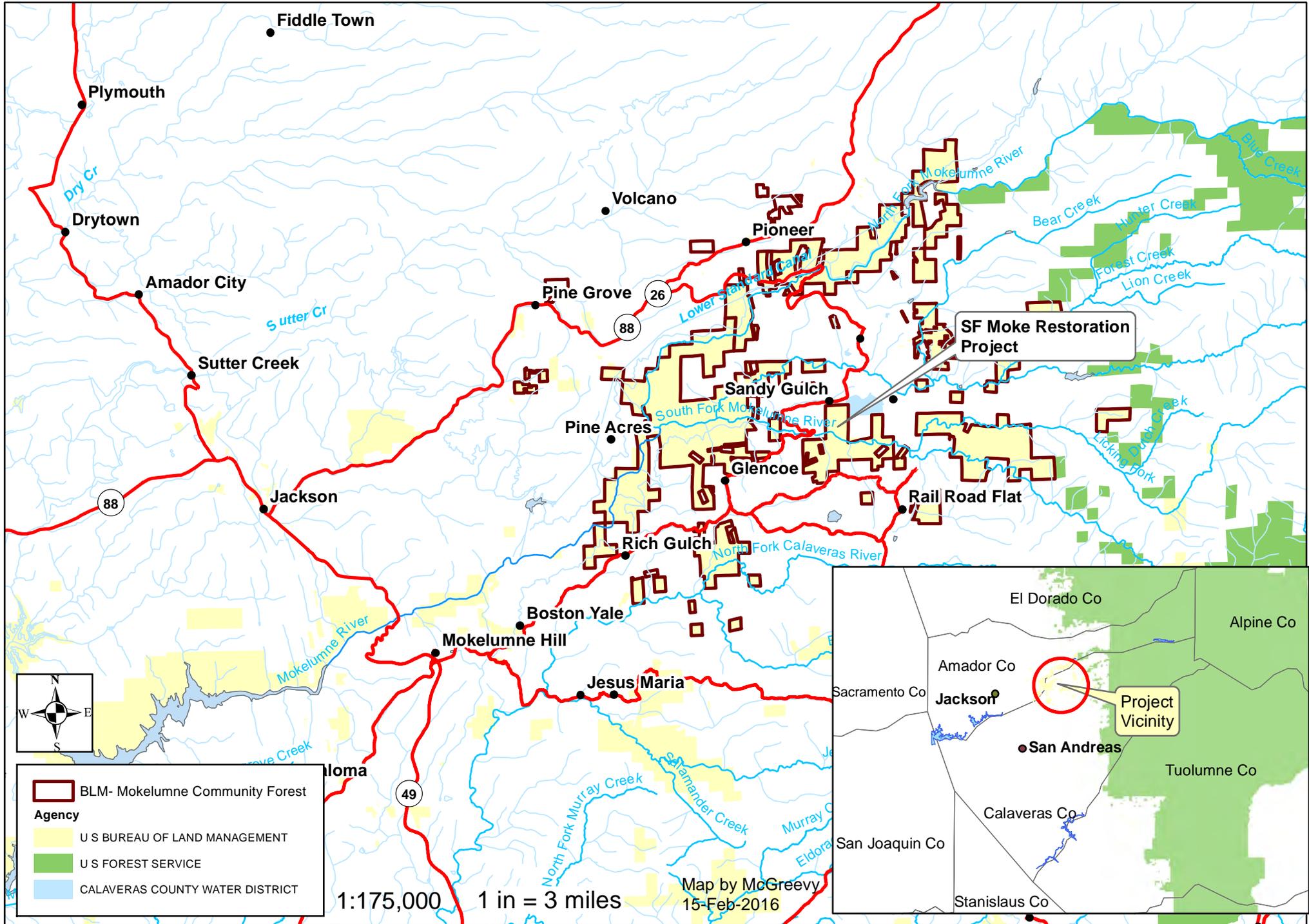


H. Richard Roth, Jr.  
75 Sandy Gulch Lane  
P O Box 611  
West Point, CA 95255-0611  
209-293-4269



Susan McMorris  
20496 Hwy 26  
West Point, CA 95255  
209-293-2272

# Project Location Map- Mokelumne Community Forest on BLM Lands South Fork Mokelumne River Watershed Restoration



**SF Mokelumne Watershed Restoration  
Vicinity Map (1:40,000)**

Amador Co

Calaveras Co

**West Point**

Middle Fork Mokelumne River

**Sandy Gulch**

**Wilseyville**

South Fork Mokelumne River

Licking Fork

T06NR12E

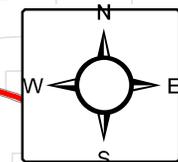
T06NR13E

Road 6

**Glencoe**

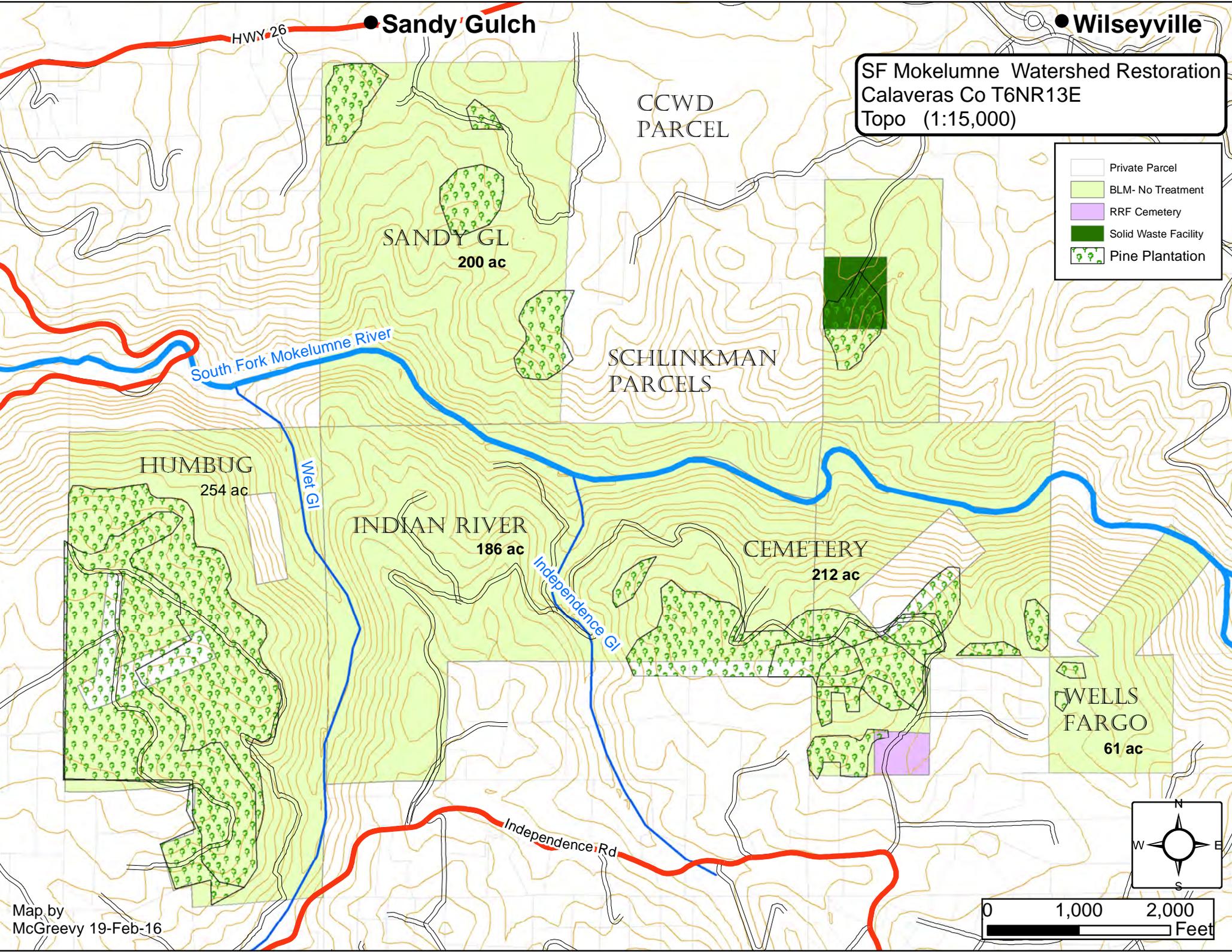
**Rail Road Flat**

Map by  
McGreevy 25-Feb-16



- Butte Fire Line
- Treatment Units
- Private Parcel
- BLM Parcel





SF Mokelumne Watershed Restoration  
Calaveras Co T6NR13E  
Topo (1:15,000)

- Private Parcel
- BLM- No Treatment
- RRF Cemetery
- Solid Waste Facility
- Pine Plantation

● Sandy Gulch

● Wilseyville

HWY 26

CCWD  
PARCEL

SANDY GL  
200 ac

SCHLINKMAN  
PARCELS

South Fork Mokelumne River

HUMBUG  
254 ac

INDIAN RIVER  
186 ac

CEMETERY  
212 ac

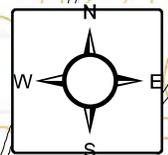
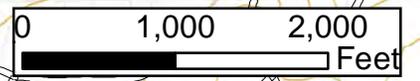
WELLS  
FARGO  
61 ac

Wet Gl

Independence Gl

Independence Rd

Map by  
McGreavy 19-Feb-16



HWY 26

Sandy Gulch

Wilseyville

SF Mokelumne Watershed Restoration  
Calaveras Co T6NR13E  
Topo Aerial (1:15,000)

- Private Parcel
- RRF Cemetery
- Solid Waste Facility
- BLM- No Treatment
- Pine Plantation

CCWD  
PARCEL

SANDY GL

SCHLINKMAN  
PARCELS

South Fork Mokelumne River

HUMBUG

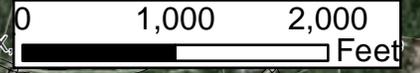
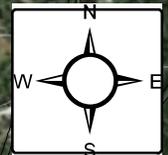
Wetland

INDIAN RIVER

CEMETERY

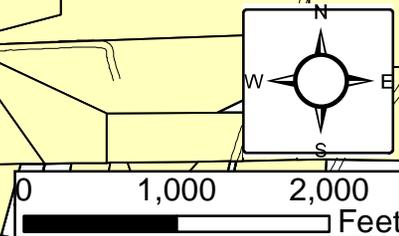
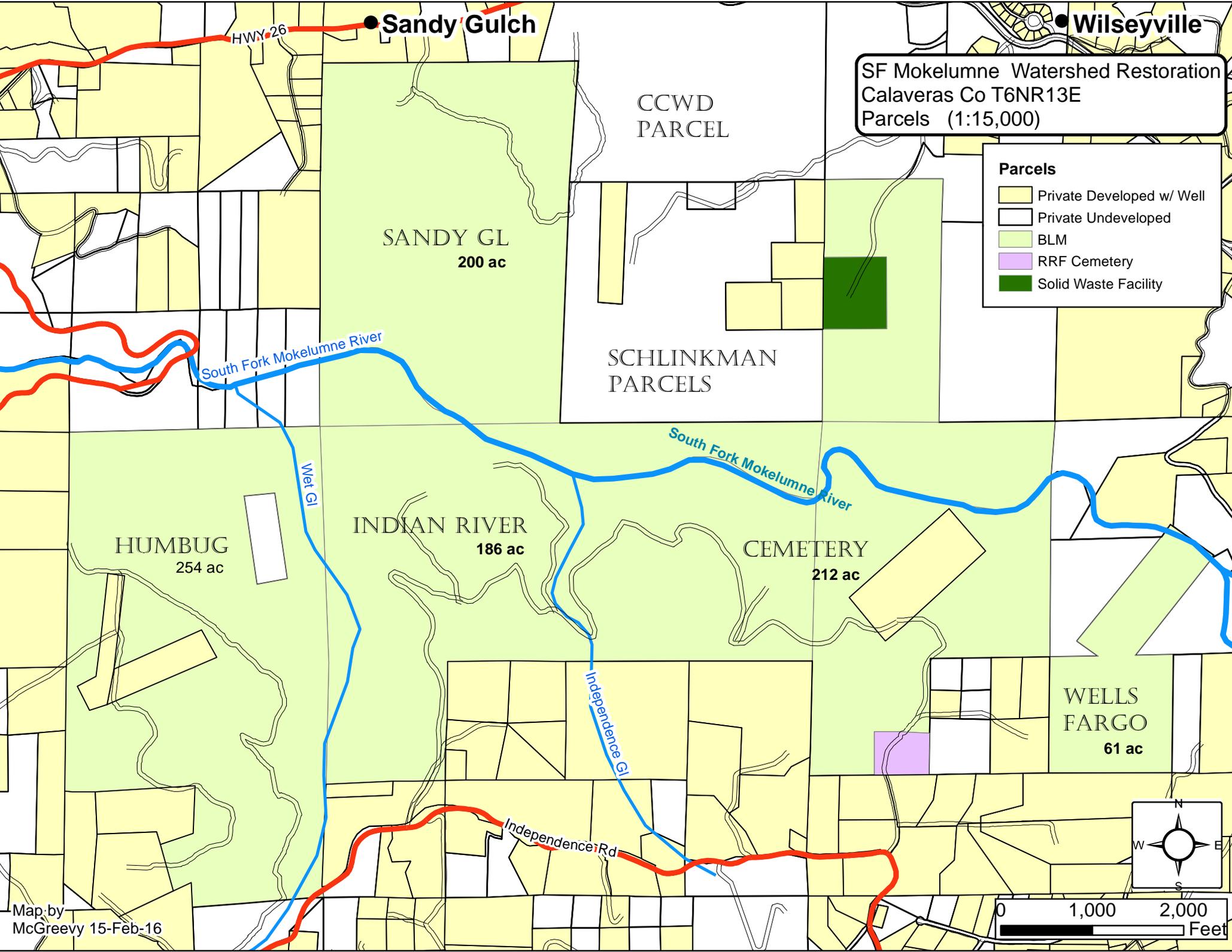
WELLS  
FARGO

Independence Rd



Map by  
McGreavy 25-Feb-16

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX,  
GIS User Community



Sandy Gulch Creek

HWY 26

Sandy Gulch

Wilseyville

SF Mokelumne Watershed Restoration  
Calaveras Co T6NR13E  
Site Map (1:15,000)

CCWD  
PARCEL

SANDY GL  
200 ac

SCHILINKMAN  
PARCELS

Wet Gl

South Fork Mokelumne River

INDIAN RIVER  
186 ac

CEMETERY  
212 ac

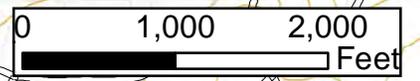
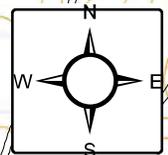
HUMBURG  
254 ac

WET GULCH

WELLS  
FARGO  
61 ac

Independence Rd

- Blagen Ditch
- Kadish Ditch
- Kadish Ditch?
- Private Parcel
- BLM- No Treatment
- RRF Cemetery
- Solid Waste Facility
- Pine Plantation
- BLM Fuel Break
- Unit
- CAL FIRE FB



Map by  
McGreevy 15-Feb-16

Sandy Gulch Creek

● Sandy Gulch

● Wilseyville

HWY 26

SF Mokelumne Watershed Restoration  
Calaveras Co T6NR13E  
BLM Project Treatments (1:15,000)

	Private Parcel
	BLM- No Treatment
	RRF Cemetery
	Solid Waste Facility
<b>Treatment, [slope] (acres)</b>	
	Unit
	Masticate [ $<30\%$ ] (591)
	Hand [ $\geq 30\%$ ] (321)

CCWD PARCEL

SANDY GL

SCHLINKMAN PARCELS

South Fork Mokelumne River

Wet Gl

HUMBUG

INDIAN RIVER

CEMETERY

WELLS FARGO

Independence Gl

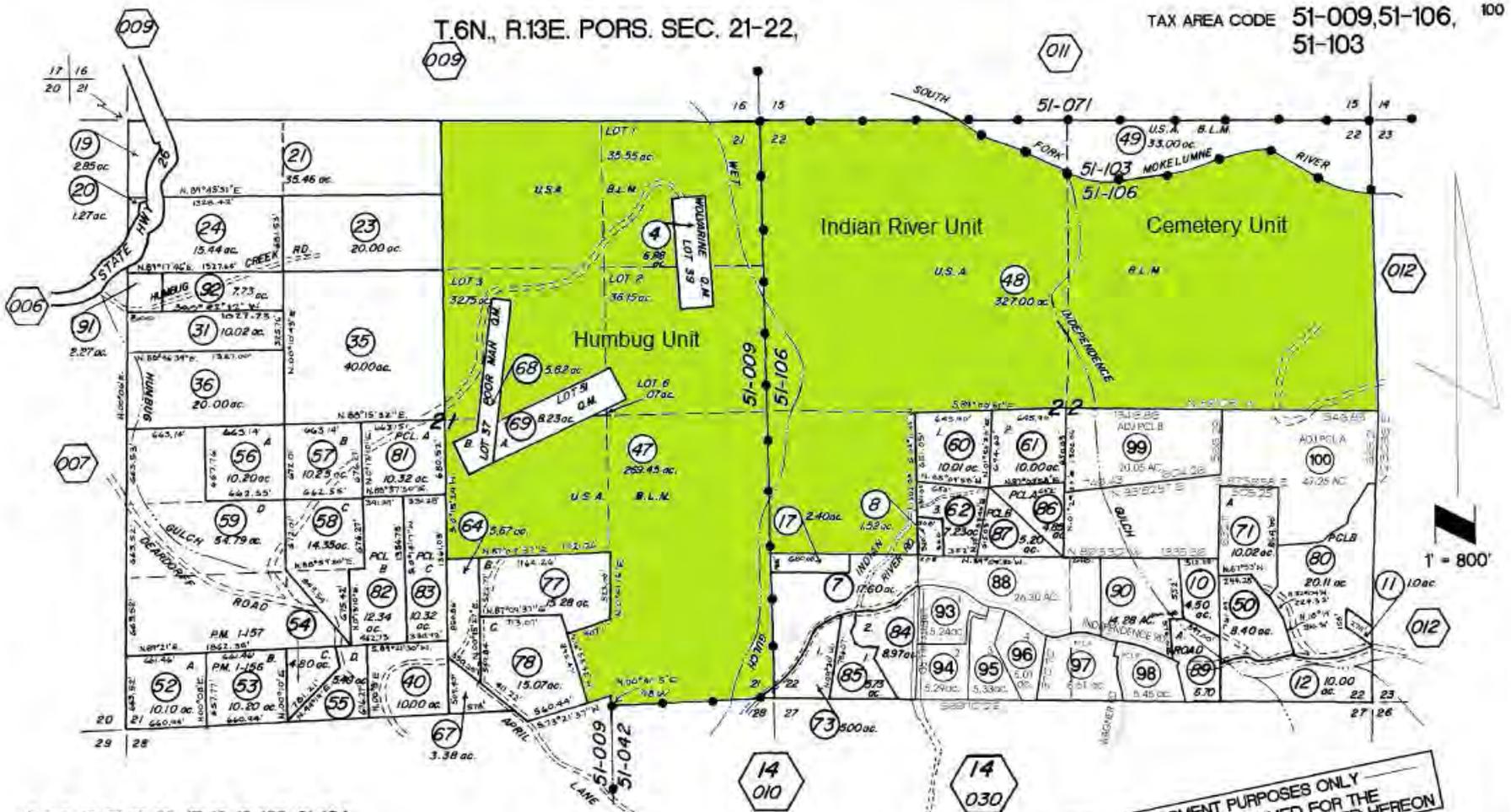
Independence Rd

Map by McGreevy 19-Feb-16

0 1,000 2,000 Feet

T.6N., R.13E. PORS. SEC. 21-22,

TAX AREA CODE 51-009,51-106, 51-103 100



R.O.S. 10-31, 13-99, 17-13, 18-163, 21-164.

P.M. 1-156, 1-157, 1-190, 2-75, 2-175, 3-31,

3-138, 4-97, 4-178, 4-200, 5-147, 7-15, 11-14, 12-69.

REV. 42 01/13/2009

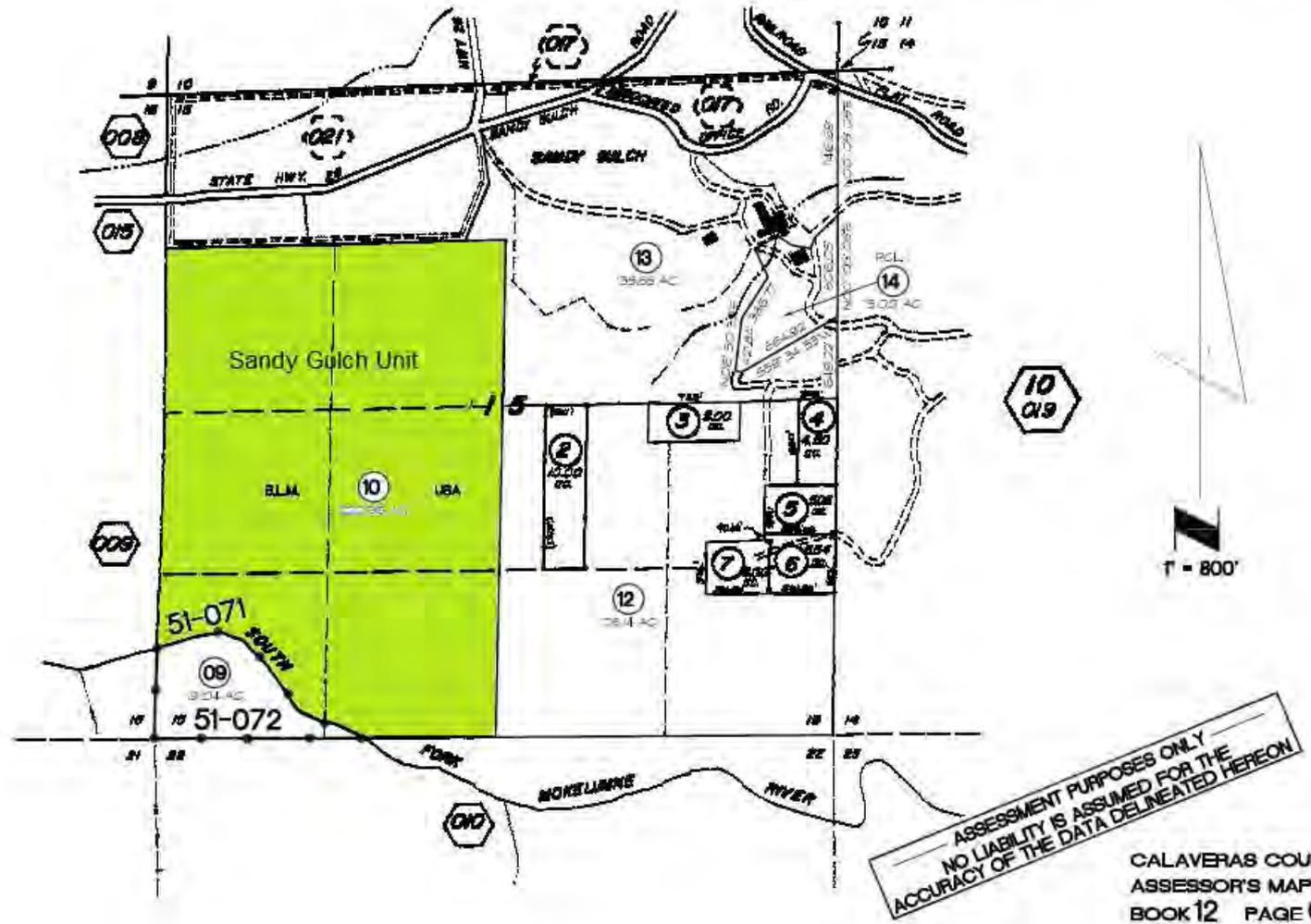
FOR MINERAL RIGHTS SEE PAGE 410  
FOR TIMBER RIGHTS SEE PAGE 210

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CALAVERAS COUNTY  
ASSESSOR'S MAPS  
BOOK 12 PAGE 010

T.6N., R.13E., POR. SEC. 15

TAX AREA CODE 51-071, 051-072



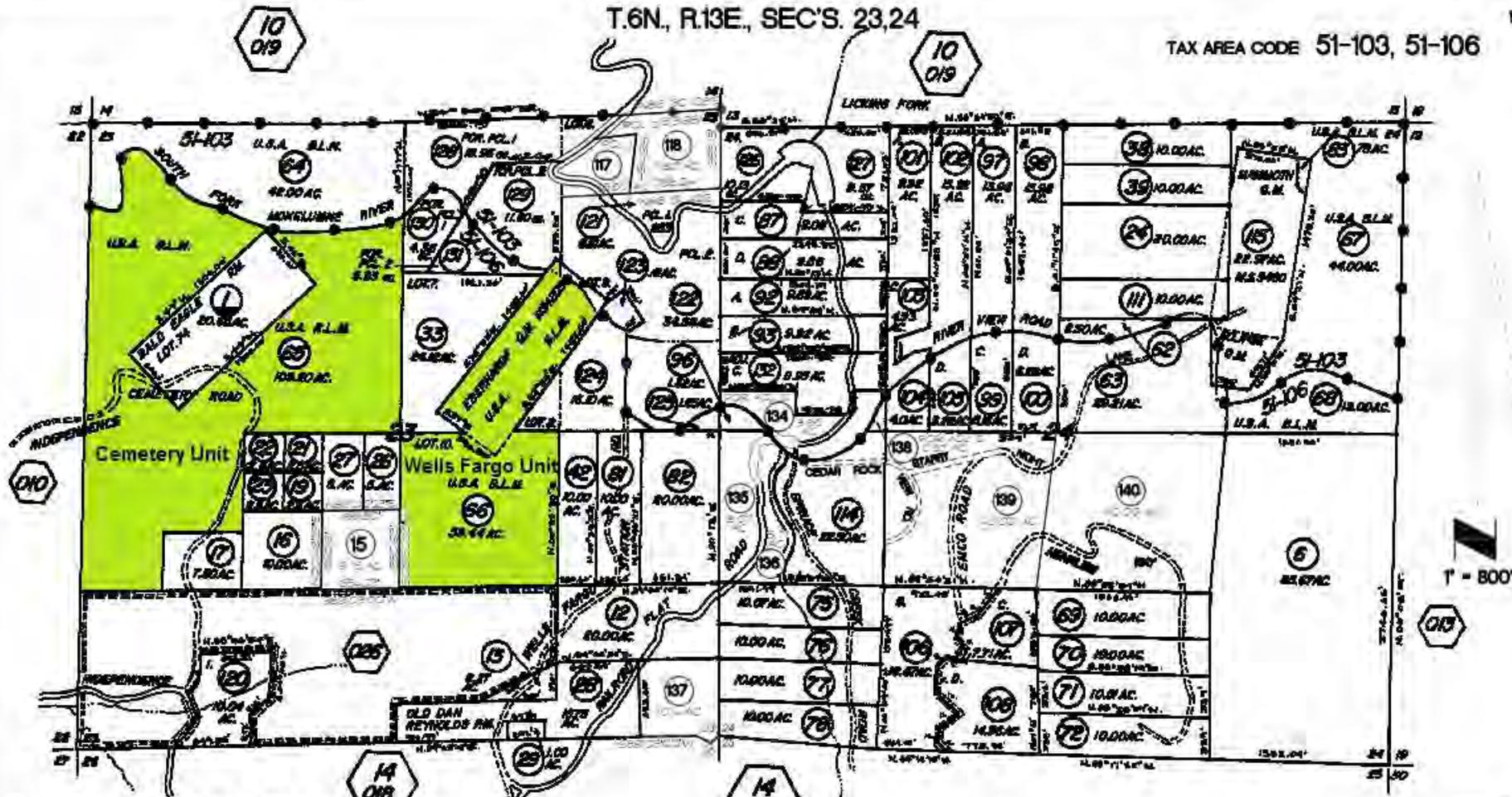
R.O.S. 17-167, 22-153

REV. 09 11/12/2014

CALAVERAS COUNTY  
ASSESSOR'S MAPS  
BOOK 12 PAGE 011

T.6N., R.13E., SEC'S. 23,24

TAX AREA CODE 51-103, 51-106



P.M. 2-15, 2-51, 2-50, 2-65, 3-29, 4-11, 4-88, 6-55

R.O.S. 9-138, 10-88, 10-152, 10-153, 10-195, 11-155, 13-99, 14-107, 15-25, 15-66, 17-120, 18-1, 18-188, 19-44, 20-91, 22-152

REV. 64 10/28/2014

N. 89° 40' 25" E.	154.8'	N. 89° 40' 25" E.	148.05'
S. 89° 40' 25" E.	208.88'	S. 89° 40' 25" E.	58.07'
S. 89° 40' 25" E.	107.58'	S. 89° 40' 25" E.	289.02'
S. 89° 40' 25" E.	180.86'	N. 89° 40' 25" E.	280.88'
S. 89° 40' 25" E.	132.11'	S. 89° 40' 25" E.	216.40'
S. 89° 40' 25" E.	83.84'	N. 89° 40' 25" E.	264.88'
		S. 89° 40' 25" E.	82.78'

FOR MINERAL RIGHTS SEE PAGE 412

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 BOOK 12 PAGE 012

**South Fork Mokelumne River** flows through the project area in February, 2016.  
This pristine river is 'Truly California's Gold'.



2/26/2016

**The Schlinkman Ranch** represents the project goal. It abuts the east boundary of the Sandy Gulch Unit just north of the river. Brush was removed and the trees thinned 15 years ago and this 40 acre parcel remains a healthy forest today. The additional restoration of 912 acres of BLM land will create a resilient forest at the landscape level in the SF Mokelumne River Watershed.



8/4/2015

**Sandy Gulch Unit.** Beetle trees in a derelict pine plantation in need of thinning. Brush in bottom right remains on a dozer control line cut during the Butte Fire and adds to the fuel load. The brush will be chipped and scattered and the area replanted with ponderosa seedlings.



1/20/2016

**Humbug Unit.** Overview of the Douglas-fir forest in in Wet Gulch needs restoration as shown in the following slide



2/26/2016

**Humbug Unit.** Overstocked Douglas-fir in Wet Gulch will be thinned to release the larger trees to grow.



2/26/2016

**Humbug Unit.** The Douglas-fir canopy in Wet Gulch shows the need for thinning. Returning this stand to timber production will provide future revenue from commercial harvests for long-term maintenance without grant funding.



2/26/2016

**Humbug Unit.** Mastication of these crowded saplings on Lower Humbug Road will reduce the spread of wildfire, keep water on the landscape, and free nutrients for the larger trees to grow and sequester carbon while providing vehicular access for forest maintenance and fire suppression.



6/6/2015

**Humbug Unit.** Mastication of 75 WUI acres of Manzanita in the Humbug Unit will provide wildfire protection and conserve ground water for domestic wells and replanted pine. Since the soil will not be scarified by equipment, the brush seeds will be mulched, less likely to sprout and delay the need for maintenance at least 10 years.



6/6/2015

**Land Tenure**

The land is under federal ownership by the USDI Bureau of Land Management. There are no short-term or long-term projected changes of land ownership.