



**NOTICE OF SPECIAL MEETING  
BOARD OF DIRECTORS/WATERSHED COMMITTEE\***

Notice is hereby given that a Special Meeting of the Marin Municipal Water District's Board of Directors/Watershed Committee will be held as follows:

- MEETING DATE:** Thursday, December 21, 2017  
**TIME:** 1:30 p.m.  
**LOCATION:** 1) MMWD Board Room, 220 Nellen Ave., Corte Madera, CA 94925  
 2) Westin Puerto Vallarta, Paseo de la Marina Sur #205, Puerto Vallarta, Jalisco, 48354, Mexico (Director Larry Russell)\*\*  
 3) 1014 Torney Avenue, San Francisco, CA 94129 (Director Koehler)\*\*

**AGENDA**

ITEM	RECOMMENDATION	APPROX. START
<input type="checkbox"/> CALL TO ORDER		1:30 p.m.
<input type="checkbox"/> ADOPT AGENDA		1:31 p.m.
<input type="checkbox"/> PUBLIC EXPRESSION†		1:32 p.m.
<input type="checkbox"/> CALENDAR		
1. Minutes of September 21, 2017 Meeting	Approve	1:37 p.m.
2. West Point Inn Lease Amendment	Approve	1:40 p.m.
3. TLC 2018 Work Plan	Approve	1:50 p.m.
4. Marin County Fire Department Mutual Benefit Agreement and Update on Fire Resiliency Efforts on MMWD Lands	Approve/ Information	2:00 p.m.
5. Alpine Dam 2019 Centennial Event	Approve	2:00 p.m.
6. Adjourn		2:15 p.m.



Stephanie Eichner-Gross

**MMWD BOARD OF DIRECTORS:** Larry Bragman, Jack Gibson, Cynthia Koehler, Armando Quintero, Larry Russell

*\*The designated chair is Director Bragman and vice chair is Director Quintero. Other board members may attend as they wish.*

*\*\*One or more directors may participate in this meeting via teleconference. The teleconference location(s) is listed above. Members of the public are welcome to attend the meeting at either location.*

*†Anyone wishing to speak on an item other than those listed on this agenda will be recognized at this time. We ask any person wishing to be heard to come to the podium to address the board and state your name and address for the public record. A 3-minute limit is customary; however the committee chair may adjust the actual time allotted to accommodate the number of speakers.*

**ADA NOTICE AND HEARING IMPAIRED PROVISIONS:** The board room is equipped with sound amplifying units for use by the hearing impaired. The units operate in conjunction with the room's sound system. You may request the personal sound amplifier from the Board Secretary for use during meetings.

In accordance with the Americans with Disabilities Act and California Law, it is the policy of the Marin Municipal Water District to offer its public programs, services, and meetings in a manner that is readily accessible to everyone, including those with disabilities. If you are disabled and require a copy of a public hearing notice, an agenda, and/or agenda packet in an appropriate alternative format, or if you require other accommodation, please contact Stephanie Eichner-Gross at (415) 945-1448, at least two days in advance of the meeting. Advance notification within this guideline will enable the district to make reasonable arrangements to ensure accessibility.

\* \* \* \* \*

**FUTURE BOARD OF DIRECTORS/WATERSHED COMMITTEE MEETINGS:**

Thursday, March 15, 2018, 1:30 p.m.

MMWD Board Room

Thursday, June 21, 2018, 1:30 p.m.

MMWD Board Room



**MARIN MUNICIPAL  
WATER DISTRICT**

**ITEM No.** 1  
**MEETING DATE:** December 21, 2017  
**MEETING:** Board of Directors /  
Watershed  
Committee

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**STAFF REPORT**

**SUBJECT:** Minutes of September, 21, 2017 Watershed Committee Meeting

**SUBMITTED BY:** Crystal Yezman, Division Manager  
Facilities and Watershed Division

**RECOMMENDED ACTION:** Approve

**ATTACHMENT:**

1. Minutes of September, 21, 2017 Watershed Committee Meeting

**MARIN MUNICIPAL WATER DISTRICT  
BOARD OF DIRECTORS / WATERSHED COMMITTEE**

**IN ATTENDANCE:**

**Directors present:** Larry Bragman, Jack Gibson, and Cynthia Koehler (by telephone)

**Directors absent:** Larry Russell, Armando Quintero

**CALL TO ORDER:** Director Bragman called the meeting to order at 1:34 p.m.

**ADOPT AGENDA:** By simple motion, the agenda was adopted.

**PUBLIC EXPRESSION:** There was no public expression.

**ITEM 1. MINUTES OF THURSDAY, JUNE 15, 2017 MEETING**

By simple motion, the minutes were adopted as submitted.

**ITEM 2. LAUNCH OF EMIG ADA CABIN AT WEST POINT INN**

Mike Swezy, Watershed Manager, presented the staff report on the recently completed construction of Emig Cabin, the fully ADA compliant cabin at the West Point Inn. Mike introduced Bob Newcomer, President of the Board of the West Point Inn, and acknowledged the financial contributions of funder Ernest Edward Emig and the administrative support of Ernest Edward Emig Trust fund administrator Colin Claxton.

Mr. Newcomer, shared a presentation on the ADA improvements, community outreach efforts, and the history of the accessibility initiative.

Mr. Claxton presented Director Bragman with an Emig Attribution Plaque. Director Bragman then presented Mr. Claxton with a thank you letter and Lifetime Pass to the watershed. Since 2010, the Ernest Edward Emig Trust has granted the district several hundreds of thousands of dollars in funds.

**ITEM 3. CCNB CONTRACT AGREEMENT**

Mike Swezy, Watershed Manager, requested approval from the board to move forward with a Contractual Agreement with the Conservation Corps of North Bay (CCNB), formerly Marin Conservation Corpse. The agreement recognizes a mutual commitment to the stewardship of natural resources and to youth development. This fiscal year the agreement amount to \$130,000 in watershed maintenance task services including: natural resource management, weed control work, pile burning, and trail maintenance. The board approved.

**ITEM 4. AZALEA HILL IS/ MND**

Nick Salcedo, Senior Management Analyst, informed the board that on September 8, 2017 the district released an Initial Study and Proposed Mitigated Negative Declaration to amend the current Road and Trail Master Plan and to restore Azalea Hill. The proposed amendment and

project aim to remove over 4 miles of unofficial roads and to perform erosion treatment. The IS/MND were forwarded to appropriate agencies and parties for a 30 day review and comment period. Comments must be received by Monday, October 9, 2017. Adoption of the Proposed MND is scheduled for consideration on Tuesday, October 17, 2017 7:30 p.m.

Eleven people stood up to offer public comment in full support of the Azalea Hill project: Executive Director of the Marin County Bicycle Coalition (MCBC) Jim Elias, Fairfax resident Lance Hag, Fairfax resident Nick Vain, MCBC Off-Road Committee Member Alex Burnum, Fairfax resident and Sir Francis Drake High School Mountain Bike Team member Mathew Stranzel, Sir Francis Drake High School Mountain Bike Team member Emerson Reed, San Rafael resident Ted Jacobs, Tiburon resident Rick Jones, Rob Reed (father of Emerson Reed), Access4Bikes liaison Vernon Huffman, and MCBC Board member Morris Beazley.

Nona Dennis with the Marin Conservation League and Roger Roberts, San Rafael resident and member of the Citizens Advisory Committee, expressed concern that there was no design mitigation that addressed ongoing use. They both encouraged impact analysis and a management plan after construction.

**ITEM 5. PARK RANGER VIDEO**

In honor of the centennial of the Park Ranger Program at MMWD, Crystal Yezman presented a staff report on the history of the park ranger program and paired the report with a 15-minute video created by local videographer Gary Yost entitled "A Day of the Life of a Watershed Ranger."

**ITEM 6. DRAFT 2018 TLC WORK PLAN**

Crystal informed the board that the Tamalpais Lands Collaborative (TLC) will hold their yearly Executive Team public meeting at the Marin Art and Garden on Saturday, October 26. 4:30-6 p.m. The event offers attendees the opportunity to review the draft TLC 2018 Work Plan including its new five-year strategy and its new and expanding vocational training opportunities for Marin County schools. After the public meeting, the draft will be submitted for Board approval at the 1:30 p.m. December 21 Watershed Committee Meeting.

Roger Roberts, member of Citizens Advisory Committee, made a public comment stating that the CAC Committee found that the work plan met MMWD standards and was within MMWD policy. It was suggested that the Collaborative and MMWD develop a hydrologic study of the mountain.

**ADJOURNMENT**

There being no further business, the meeting of September 21, 2017 adjourned at 2:43 p.m.



**STAFF REPORT**

**SUBJECT:** West Point Inn Lease Amendment #2

**SUBMITTED BY:** Mike Swezy, Watershed Manager  
Crystal Yezman, Division Manager  
Facilities and Watershed

**RECOMMENDED ACTION:** Refer to the Board of Directors with recommendation to approve Amendment #2 to the West Point Inn Lease Agreement

**EXECUTIVE SUMMARY:**

On July 5, 2017 the West Point Inn Association formally notified the District of its intent to exercise the fourth and final five year extension under the 1997 lease agreement between MMWD and WPIA. At that time, they also requested an update to their lease agreement to reflect changed conditions and clarify a few issues related to maintenance and reservation policy. The proposed amendment is presented for the Watershed Committee's review.

**FISCAL IMPACT:** YES \_\_\_\_\_ **No**   x   **FISCAL YEAR:** \_\_\_\_\_

**FISCAL IMPACT NARRATIVE:**

N/A

**BACKGROUND:**

The amendment to the lease for West Point Inn includes a change in the definition of the premise, adding the septic tank, leach field, garden, solar panel array, and defensible space for fire protection, and specifically excluding the picnic area below the Inn; changing the language regarding reserving rooms for non-members to better reflect practice; clarification of the allowed uses of stored water reflecting the addition of the new 8,500 gallon tank installed in 2015; and to add maintenance of defensible space as approved by the district to the list of the Tenant's responsibility.

**STRATEGIC PLAN ALIGNMENT:**

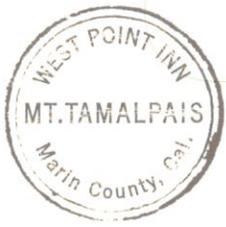
The requested action aligns with the district's Strategic Plan Goal 4 (Environmental Stewardship), Strategy 3 Evaluate current visitor access and activities on watershed lands consistent with overall goals of watershed stewardship.

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<b>REVIEWED BY:</b>	A.S.D Manager/Treasurer	<input type="checkbox"/>	NA	<input checked="" type="checkbox"/>
	General Counsel	<input checked="" type="checkbox"/>	NA	<input type="checkbox"/>
	General Manager	<input checked="" type="checkbox"/>	NA	<input type="checkbox"/>

**ATTACHMENTS:**

1. WPIA Letter to MMWD, dated July 5, 2017
2. Lease Amendment #1, December 4, 2002
3. Lease Amendment #2, February 17, 2016



415.388.9955  
P.O. Box 796  
SAN ANSELMO, CA 94979

July 5, 2017

Mr. Krishna Kumar, General Manager  
Marin Municipal Water District  
220 Nellen Ave.  
Corte Madera, CA 94925

Re: West Point Inn Lease Extension

Dear Mr. Kumar,

The West Point Inn Association in accordance with the Lease Agreement between the Marin Municipal Water District (MMWD) and the West Point Inn Association (WPIA) hereby notifies the MMWD of our intent to exercise our fourth five-year extension under that certain Lease Agreement between MMWD and WPIA dated October 15, 1997, as amended. This intent is tendered within the time frame indicated in the Lease, namely between three and six months prior to the expiration of each term of the Lease, which would be January 1, 2018.

For this renewal we request a revision of the current language of Section 6 of the lease to update the description of the water system to reflect the addition of the 8500-gallon HDLPE tank and to indicate that this tank is dedicated to the potable water needs of the Inn and that the 20,000-gallon redwood tank is dedicated to fire-fighting service only. A. premise map is attached

Also, we would like to clarify the meaning of Section 3 (v.) This section currently states that "at least one cabin or room shall be held open to a person who is not a member of the Association ("Non-Association Person") for overnight accommodation at the Inn until 12:00 noon of the day preceding the booking date...."

As we understand the current language, we are required to keep at least one cabin or room unreserved until one day before the end of the booking period. While we do handle "same day" bookings from time to time, the vast majority of our clientele make their bookings at least 30 days before the booking date. This is true for both Association members and non-members. Our preference would be to delete the current Section 3 (v.) language.

Yours truly,

  
Robert Newcomer, President  
West Point Inn Association

Attachments: Premises map

ADDENDUM TO LEASE AGREEMENT  
BETWEEN THE MARIN MUNICIPAL WATER DISTRICT  
AND THE WEST POINT INN ASSOCIATION

This Addendum is entered into the 4 day of December 2002 and amends the October 15<sup>th</sup> 1997 Lease Agreement between the Marin Municipal Water District and the West Point Inn Association ("Lease Agreement").

Section 1 Recitals.

- A. The Marin Municipal Water District ("District") and the West Point Inn Association ("WPIA") hereby mutually agree that it is in both parties' best interest to amend the Lease Agreement as hereinafter set forth.
- B. The parties agree that all of the terms of this Addendum shall be incorporated into to the Lease Agreement as if fully set forth.

Section 2 Water Supply for the West Point Inn

- A. WPIA shall pay the District one hundred dollars per month for the term of the lease to cover the District's Water Quality Department's monthly site visit to the West Point Inn.
- B. The District shall install a new water filter at the appropriate location in the water system for the West Point Inn ("Inn").
- C. The District shall cap all outside sources of water at the Inn after completing the installation of the new water filtration system.
- D. WPIA agrees to discontinue serving water to its visitors from any outside faucets or fountains.

Section 3 Additional Negotiations

If, during the term of the Lease Agreement or the exercise of any option thereto, Federal, State or County health regulations change and require the District to make any modifications to the water system for the Inn, the parties agree to meet and negotiate all of the impacts of those changes, including but not limited to fiscal impacts of those changes.

Section 4 Representation:

This Agreement is executed voluntarily by each of the parties hereto, all of whom have had the opportunity to obtain legal advice by independent counsel of their choice as to the content and effect of this Agreement.

Section 5. Authorization:

Each signatory to this Agreement warrants that he or she has full authority to execute this Agreement on behalf of and thus bind the individual or entity represented.

Section 6. Binding on Successors:

This Agreement shall bind and inure to the benefit of the respective successors, assigns, legatees, heirs, executors, administrators and estates of each of the parties.

Section 7. Paragraph Headings:

Paragraph headings are used for reference purposes only and are not intended to describe, interpret, define or limit the scope or extent of this Agreement or any of its provisions.

Section 8. Governing Law:

This Agreement shall be governed by and construed in accordance with the laws of the state of California.

Section 9. Counterparts:

This Agreement may be executed in any number of counterparts, each of which shall be an original, but all of which taken together, shall constitute one instrument.

Section 10. Facsimile Signatures:

The parties agree that this Agreement, documents ancillary to this Agreement and related documents to be entered into in connection with this Agreement will be considered signed when the signature of a party is delivered by facsimile transmission. Such facsimile signature shall be treated in all respects as having the same effect as an original signature.

Section 11. No Presumption Re Drafter:

The Parties acknowledge and agree that the terms and provisions of this Agreement have been negotiated and discussed between the Parties and their attorneys, and this Agreement reflects their mutual agreement regarding the same. Because of the nature of such negotiations and discussions, it would be inappropriate to deem any party to be the drafter of this Agreement, and therefore no presumption for or against validity or as to any interpretation hereto, based upon the identity of the drafter shall be applicable in interpreting or enforcing this Agreement.

**MARIN MUNICIPAL WATER DISTRICT**

**WEST POINT INN ASSOCIATION**

By:   
Pamela J. Nicolai, General Manager

By:   
David Coffey, President

**AMENDMENT NO. 2 TO LEASE AGREEMENT  
BETWEEN THE MARIN MUNICIPAL WATER DISTRICT  
AND THE WEST POINT INN ASSOCIATION**

This amendment is entered into the \_\_\_\_ day of January 2018 and amends the October 15<sup>th</sup> 1997 Lease Agreement between the Marin Municipal Water District and the West Point Inn Association (Amendment No. 2).

For good and valuable consideration, receipt of which is hereby acknowledged, the parties agree as follows:

Section 1: Recitals.

- A. The Marin Municipal Water District (“District”) and the West Point Inn Association (“WPIA”) hereby mutually agree that it is in both parties’ best interest to amend the 1997 Lease Agreement as hereinafter set forth.
- B. The parties agree that all of the terms of this Amendment No. 2 shall be incorporated into the 1997 Lease Agreement as if fully set forth.

Section 2: Terms.

- A. Amendment to Lease Agreement. This Amendment No. 2 modifies the 1997 Lease Agreement and the 2002 Addendum to Lease collectively “Lease Agreement”. Except for the modifications contained herein, all of the terms of the Lease Agreement shall apply.
- B. Section 1 of the Lease Agreement entitled “Premises” is amended to read as follows:

District does hereby lease to Tenant and Tenant does hereby lease from District those certain premises known as the West Point Inn (hereinafter “Inn” or “Premises”), located on the south slope of Mount Tamalpais, Marin County, California, together with appurtenances thereto including cottages, a water system, water tanks, grounds upon which the buildings stand, the right of ingress and egress, garden and solar array, septic tank and leach field, defensible space, and adjacent areas reasonably necessary for the use of the facilities, all to be used by the Tenant for the sole purpose of restoring and preserving the historic facilities, utilizing them as a resource for the Bay Area community in general and the Marin County community in particular, and for conducting Tenant’s activities upon the terms and conditions provided below. The picnic area south of the Inn is expressly excluded from the lease and remains District responsibility.

- C. Section 3 of the Lease Agreement entitled “Use”, subsection b. “Association Membership” (v) of the Lease Agreement is amended to read as follows:

3. (b) (v) at least one cabin or room shall be held open to a person who is not a member of the Association (“Non-Association Person”) for overnight accommodations at the Inn until 12:00 noon of the day preceding the booking date, unless a reservation has been placed by or for a Non-Association Person within any of the 90 days prior to the booking date. Any bookings by a Non-Association Person during that period will be deemed to satisfy the requirement. If no Non-Association Person has reserved a room by the stated time, the room held open may be made available to Association members. Exceptions from time to time may be granted by mutual agreement of the parties.

- D. Section 6 of the Lease Agreement entitled “Utilities – Water” is amended to read as follows:

Tenant agrees to maintain, at its sole expense, a four inch (4”) pipeline to the Premises for fire protection from the District’s Hummingbird Water Tank #1, and a minimum of three (3) fire hydrants with appropriate amounts of fire hose in locations on the Premises, as directed by the Marin County Fire Department. The tenant shall have the privilege of using water from said tank only for fire protection purposes. Further, no overnight use will be permitted, with the exception of the caretaker, unless said fire line, hydrants and hoses are in proper working order. The tenant shall have the privilege of using water from the eight thousand, five hundred (8,500) gallon Hummingbird Tank #2 solely for domestic uses. The tenant is also responsible for all requirements related to treating testing drinking water for patrons or visitors to the Inn.

- E. Section 7 of the Lease Agreement entitled “Maintenance: Repairs” is amended as follows:

Tenant acknowledges that it has heretofore been in possession of said Premises and is fully aware of its present state of repair. At Tenant’s sole cost and expense, Tenant shall undertake the major maintenance and restoration work necessary to rehabilitate and restore said Premises to a condition as historically authentic as is practicable. Additionally, Tenant shall keep and maintain the Premises and appurtenances and every part thereof, including any new improvements, in sanitary condition and good order and repair at all times, including maintenance and defensible space as approved by the District and defined by local jurisdictions and agrees on the last day of the Term, or sooner termination of this Lease as provided herein, to surrender the Premises to the District except for movable furniture.

Section 3: Counterparts.

This Amendment No. 2 may be executed in any number of counterparts, each of which shall be an original, but all of which taken together, shall constitute one instrument.

Section 4: No Presumption Re Drafter.

The Parties acknowledge and agree that the terms and provisions of this Amendment No. 2 have been negotiated and discussed between the Parties and their attorneys, and reflects their mutual agreement regarding the same. Because of the nature of such negotiations and discussion, it would be inappropriate to deem any party to be the drafter of this Amendment No. 2, and therefore no presumption for or against validity or as to any interpretation hereto, based upon the identity of the drafter shall be applicable in interpreting or enforcing this Amendment No. 2.

MARIN MUNICIPAL WATER DISTRICT

WEST POINT INN ASSOCIATION

\_\_\_\_\_  
Krishna Kumar, General Manager

\_\_\_\_\_  
Bob Newcomer, President

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date



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**STAFF REPORT**

**SUBJECT:** Tamalpais Lands Collaborative (TLC) 2018 Work Plan

**SUBMITTED BY:** Crystal Yezman, Division Manager, Facilities and Watershed Division

**RECOMMENDED ACTION:** Refer to Board of Directors with recommendation to approve Tamalpais Land Collaborative (TLC) 2018 Work Plan

**EXECUTIVE SUMMARY:**

The TLC Executive Team held a public meeting at the Marin Art and Garden Center on Thursday, October 26, 2017, 10am-3:30pm, where the draft TLC 2018 Work Plan was presented for public comment. The draft plan is presented to the committee for its review with a recommendation to refer to the board of directors for approval. The plan acknowledges work that is underway for projects at the Log Cabin, West Peak and Bolinas Ridge and officially launches collaborative efforts for Potrero Meadow and Azalea Hill. New and ongoing efforts within the Community and Conservation Programs are also detailed in the plan.

**FISCAL IMPACT:** YES \_\_\_\_\_ NO  \_\_\_\_\_ **FISCAL YEAR:** \_\_\_\_\_

**FISCAL IMPACT NARRATIVE:**

N/A

**BACKGROUND:**

The TLC 2016 Annual Report and 2018 Work Plan (attached) were presented at a public meeting of the TLC Executive Committee (“Tam Talk”) on Thursday, October 26, 2017 10am-3:30pm, at the Marin Art and Garden Center. According to the TLC Memorandum of Understanding the partner agencies agreed to develop a “5 Year List” of projects and programs that are compatible with the purpose and vision of the TLC so as to guide fundraising activities. A comprehensive 5 Year vision document and project and program list for the TLC was approved by the MMWD Board of Directors on November 10, 2014. A revised list of projects was developed in 2017 (attached). In order to provide more discrete accounting of activities and expenditures, agency staff have developed an annual work plan that details project and programs implementation, fundraising, and volunteer engagement. This work plan is reviewed and approved by agency executives and elected boards each year.

The 2018 work plan includes both program and project support. Program support includes the continuation and expansion of the mountain-wide habitat restoration, weed management,

citizen science, volunteer stewardship and youth education programs. These programs are integrally linked to, and add capacity to the District’s existing program areas. The plan acknowledges work that is underway for projects at the Log Cabin, West Peak and Bolinas Ridge and officially launches collaborative efforts for Potrero Meadow and Azalea Hill. The work plan includes updating the 5 year strategic plan in 2018. Staff requests that the Watershed Committee refer the TLC 2018 Work Plan and the revised 5 Year List to the Board of Directors with a recommendation to approve.

**STRATEGIC PLAN ALIGNMENT:**

The requested actions aligns with the district’s Strategic Plan Goal 4: Environmental Stewardship, Strategy 2 – Increase community engagement in stewardship of Mt. Tamalpais as water and community asset: Objective 1 - Develop projects and programs for the Tamalpais Lands Collaborative and Objective 2 - Increase volunteer and education program capacity through public-private and not-for-profit partnerships.

<b>REVIEWED BY:</b>	A.S.D Manager/Treasurer	<input type="checkbox"/>	NA	<input checked="" type="checkbox"/>
	General Counsel	<input type="checkbox"/>	NA	<input checked="" type="checkbox"/>
	General Manager	<input checked="" type="checkbox"/>	NA	<input type="checkbox"/>

**ATTACHMENTS: [IF NONE, STATE NONE]**

1. TLC 2017 Annual Report
2. TLC 2018 Work Plan
3. TLC Revised Project and Program List (“5 year List”)

A vibrant photograph of a person climbing a rustic wooden staircase in a lush, moss-covered forest. The staircase is built from logs and leads up a rocky, mossy bank. To the left, a waterfall cascades over mossy rocks into a stream. The forest is dense with green moss and ferns, and the overall scene is bright and natural.

# THE TAMALPAIS LANDS COLLABORATIVE

2016 – 2017 Report to the Community



**WE ARE EXCITED** and honored to share with you this third annual report, featuring accomplishments from October 1, 2016 to September 30, 2017 in the areas of projects and programs, awareness and engagement, partnership and collective impact, and philanthropy and investment. This collaborative work is foundational for inspiring and expanding community stewardship to ensure a resilient and healthy Mt. Tam in the future.

We are grateful to our continually growing community of supporters, volunteers, and partners who share our commitment to protecting Mt. Tam. This year's advancements in youth and community programs, volunteer opportunities, new restoration projects, and conservation science are only made possible by their support. We would also like to acknowledge the Tamalpais Lands Collaborative (TLC) agency staff, leaders, and board members—especially the extraordinary Marin community, for believing in our approach to collaborative stewardship of the mountain.

If this is your first introduction to the TLC, we invite you to join us. As you'll see, there are many ways to support and get involved in this groundbreaking work to benefit our beloved Mt. Tam.

Sincerely,  
The Tamalpais Lands Collaborative Executive Team



TAMALPAIS LANDS COLLABORATIVE

## EXECUTIVE TEAM

**MAX KORTEN**  
*Director and General Manager*  
Marin County Parks and Marin County  
Open Space District

**KRISHNA KUMAR**  
*General Manager*  
Marin Municipal Water District

**CICELY MULDOON**  
*Acting General Superintendent*  
Golden Gate National Recreation Area  
National Park Service

**GREG MOORE**  
*President & CEO*  
Golden Gate National Parks Conservancy

**VINCENT ANIBALE**  
*Acting General Superintendent*  
California State Parks  
Bay Area District

# PROJECTS & PROGRAMS

In completing our third year's work, we have sustained invaluable program offerings for youth, expanded volunteer opportunities and ways for the community to engage with our work, and initiated new conservation science efforts across the mountain. Together, One Tam and agency staff have:

## EDUCATION & ENGAGEMENT

**SUSTAINED** the LINC (Linking Individuals to their Natural Community) high school summer program, in which 17 local youth work with TLC partners to learn resource conservation and trail maintenance, conduct field research, and increase team-building and job skills. LINC students this year also participated in collecting data for a UC Davis Resilient Forest study.

**FACILITATED** 37 hands-on Trout in the Classroom programs, serving a total of 1,716 students and 490 adults.

**EXPANDED** the One Tam Roving Ranger program, in which a mobile trailhead and education hub appeared at 43 community events throughout Marin to share information about Mt. Tam and raise awareness of TLC activities, while training staff from all five partners.

**LED** 20 hikes on the mountain for One Tam members to engage with staff and learn more about Mt. Tam's natural and cultural resources.

**HOSTED** "Chico State Alternative Spring Break" in which students spent four days on the mountain participating in service work, naturalist hikes, and interactive lectures on collaborative land management, stewardship programming, and the history of Mt. Tam.

**LAUNCHED** a park pass program in partnership with Marin libraries to increase access for all community members to parks.

## VOLUNTEER STEWARDSHIP & COMMUNITY SCIENCE

**HOSTED** three mountain-wide One Tam volunteer work day celebrations: Mt. Tam Day of Thanks, Hands On Tam Winter Work Day, and Mt. Tam Earth Day.

**MAINTAINED** and restored trails in the Redwood Creek Watershed, Bill Williams Trail Complex, and Dias Ridge through community participation in more than 28 volunteer work days.

**RESTORED** habitat during 41 community work days at priority sites, involving volunteers in stewardship on the mountain.

**EXPANDED** the One Tam Wildlife Picture Index Project to southern Marin with an additional array of 80 cameras in the Redwood Creek Watershed (new data coming late 2017).

**CATALOGUED** more than 700,000 photos taken by 100 remote-sensing cameras for the One Tam Wildlife Picture Index Project, to better understand mammal populations over time on our public lands.

**TRAINED** 237 volunteer community scientists, interns, students, and staff members to maintain wildlife cameras and process photos.

## CONSERVATION

**ORGANIZED** three bioblitzes, which engaged 67 community members in documenting plant and animal species on the mountain.

**EXTENDED** the Early Detection Rapid Response weed management program to map and manage invasive weeds that are either new to the mountain or found in new locations; surveyed over 80 miles of roads, trails, and riparian corridors.

**TREATED** 56 patches of Tam's highest priority invasive weeds, which currently have limited distributions across the mountain and Marin County.

**LED** grassland assessments to fill data gaps identified in the *Measuring the Health of a Mountain* report; surveyed 28 stands of grassland habitat using the California Native Plant Society relevé protocol.

**EXTENDED** a serpentine endemic occupancy project, a rare plant monitoring methodology, to additional partner lands comprising surveys at 25 serpentine barrens.

**FURTHERED** development of the Calflora Database to improve collaborative workflows, reporting, and data sharing.

**DEVELOPED** a cloud-based One Tam Wildlife Picture Index database in partnership with Conservation International, to make results from the project more accessible to the public, and to extend volunteer image cataloguing opportunities.

## HIGHLIGHTS



13

YOUNG ADULTS  
MENTORED THROUGH  
ONE TAM INTERNSHIPS



3

ALL-MOUNTAIN WORK  
DAY CELEBRATIONS  
HOSTED



69

HABITAT RESTORATION &  
TRAIL WORK DAYS  
ORGANIZED



3,242

VOLUNTEERS ENGAGED



## PROJECTS

**CONTINUED** the West Peak Restoration Alternatives Assessment and related community engagement, including educational hikes and a second full-day workshop with the summer LINC interns.

**INITIATED** a site inventory and analysis to understand opportunities and constraints for ecosystem restoration and improved visitor experience at Roy's Redwoods, a treasured old-growth redwood grove.

## WEST PEAK RESTORATION ALTERNATIVES ASSESSMENT

A capstone project for the TLC, Mt. Tam's western peak is the subject of a new restoration effort initiated this year. The top of the peak was removed in 1950 during the height of the Cold War to build the Mill Valley Air Force Station, now defunct. This project is the first step in understanding the methods and extent of possible restoration of West Peak, and involves both developing and assessing potential alternatives. The study is engaging a range of stakeholders in developing options that represent ecological needs, community input, and technical constraints. The study will culminate in late 2017, when restoration possibilities will be introduced at the MMWD Watershed Committee and other forums to gather additional community input.

## FILLING IMPORTANT DATA GAPS

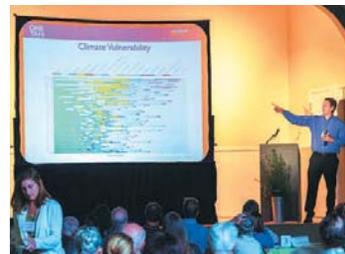
To build our knowledge base, inform stewardship, and measure resiliency, in 2016 The TLC convened 60 scientists from the five TLC partners and the regional scientific community in a nine-month effort to answer the question:

"Is Mt. Tam at peak health?" This effort and resulting report, *Measuring the Health of a Mountain: A Report on Mount Tamalpais' Natural Resources*, was the first of its kind, and focused on identifying key health indicators (plant and animal species, and natural communities) and understanding their relative health through available data.

An important outcome of that effort was identifying gaps in available information about key resources on the mountain. This year, projects were initiated to address three priority data gaps: inventories of Mt. Tam's pollinators (principally bees), bats, and seeps and springs. Results from these projects will be shared over the coming year as data is collected from the field and analyzed, and will inform how agencies manage these resources in the future.

## MT. TAM SCIENCE SUMMIT

Findings from the Mt. Tam natural resources assessment were presented at the first-ever One Tam Science Summit in October 2016. The two-day public event drew over 300 agency staff, scientists, community organizations, students, and interested community members to learn about the status of Mt. Tam's natural resources. It was a rare opportunity for attendees to meet and discuss what we know—and what we don't yet know—about the health of the mountain, and offer opportunities for community involvement. Learn more and download the technical report at [onetam.org/peak-health](http://onetam.org/peak-health).



400

NEW MEMBERS  
JOINED



37

WILDLIFE CATALOGING  
EVENTS HOSTED



80+

MILES OF TRAIL  
SURVEYED



700,000+

WILDLIFE PHOTOS  
CATALOGED BY  
VOLUNTEERS AND STAFF

# AWARENESS & ENGAGEMENT



Over the last three years we have worked in partnership with a growing network of community stakeholders to raise awareness and support toward the long-term care of Mt. Tam. Our conversations are now shifting to opportunities and pathways for active participation. To continue growing our community of volunteers and supporters, we have:

**PRESENTED** at 47 conferences, community groups, and other forums to introduce One Tam, answer questions, gain insights from others, and share our focus.

**PARTICIPATED** in 45 local events where we introduced more than 8,600 community members to our work and ways to get involved.

**ENGAGED** a total of 14,948 community members by attending community events, leading educational and member hikes, delivering presentations, and hosting special events.

**REACHED** 2,337 community members through our monthly e-newsletter, an increase of over 200% from last year.

**HOSTED** “Mt. Tam: Inspiration for Action and Art” in partnership with the California Alpine Club, to showcase the work of several local artists and increase awareness of the need and opportunities for restoring West Peak.

**PARTNERED** with the Marin-based BayWood Artists organization to coordinate a public art sale of original works in support of One Tam.

**INCREASED** our membership by 385%, showing the effectiveness of the One Tam initiative, and the growth in visibility and community support of the TLC’s work.

**CONTINUED** developing the One Tam Community Ambassador Program, which trains community volunteers to expand One Tam’s outreach capacity and support by creating specialized working groups around specific outreach needs, such as working with our business community, local schools, and interested donors.

**HELD** the second Tam Talk, an interactive dialogue between interested members of the public and TLC leadership about our first year of accomplishments, and plans for the year ahead.

**ORGANIZED** the Mt. Tam Science Summit, bringing together scientists, agency staff, conservation organizations, community members, and students for a two-day symposium sharing the findings of our study on the health of Mt. Tam’s natural resources.

## ONE TAM BUSINESS CLUB

Mt. Tam makes Marin a community unlike any other. To help sustain the mountain for future generations to enjoy, One Tam seeks to partner with local business leaders who recognize its value to the community, and share our value of stewardship. The One Tam Business Club offers a variety of ways that businesses can contribute to our work to protect the mountain and engage the community in stewardship.

## HIGHLIGHTS



14,948

COMMUNITY MEMBERS  
ENGAGED



30,000+

UNIQUE WEBSITE  
VISITORS SERVED



21

ACTIVE VOLUNTEER ONE  
TAM AMBASSADORS



45

COMMUNITY EVENTS  
ATTENDED

## STAFFING

Guided by the collective priorities of the TLC Working Group, One Tam staff work closely with project and program managers from the five partner organizations.



**William Hough**

Youth and Community Programs Manager

In addition to being the lead for LINC on Mt. Tam, William develops and runs youth and adult volunteer programs and helps connect local communities to the mountain. He also supports the habitat restoration programs of the four land management agencies by assisting with mapping and monitoring, invasive plant management, seed collection, and trail rehabilitation.



**Rosa Schneider**

Restoration and Community Science Program Manager

Rosa runs volunteer habitat restoration programs to support the agencies at key sites, and manages the volunteer arm of the Marin Wildlife Picture Index Project.



**Rachel Kesel**

Conservation Management Specialist

Rachel heads One Tam's work to map and treat priority weed infestations mountain-wide. She and David Greenberger also support rare plant species monitoring and other vegetation inventory work. In spring of 2017 this team was joined by Josh Nuzzo and Allison Titus, two Conservation Management Seasonal Assistants.



**David Greenberger**

Conservation Management Technician

# PARTNERSHIP & COLLECTIVE IMPACT

Involvement in the TLC is becoming an increasingly integral part of the five partners' work and way to accomplish shared goals on the mountain. The burgeoning strength of our partnership is demonstrated in a number of ways. For example, from 2015 to 2017, the number of partner staff regularly involved in the work of the TLC doubled. An independent long-term study also found that daily interaction among TLC partners has more than doubled, as has the level of integrated activities. The recently published 3rd Case Study revealed that partner staff frequently experienced enhanced job satisfaction as a direct result of participation in the TLC.

Everything the TLC undertakes supports a collective stewardship vision for the mountain, its health, and the community's ability to enjoy it into the future. In the simplest terms, we could not do alone for Mt. Tam what we are able to do together—our intentional, strategic partnership has produced on-the-ground results. For example, this year our partnership has:

**INITIATED** two new studies for restoration projects at sites identified as agency priorities: Roy's Redwoods and West Peak.

**REACHED** 2,337 community members through our monthly e-newsletter, an increase of over 200% over last year.

**HOSTED** "Mt. Tam: Inspiration for Action and Art" in partnership with the California Alpine Club, to showcase the work of several local artists and increase awareness of the need and opportunities for restoring West Peak.

**PARTNERED** with the Marin-based BayWood Artists organization to coordinate a public art sale of original works in support of One Tam.



TLC partners and staff engaged with the community at an awareness building event for the West Peak restoration project.



The TLC has exceeded my expectations. To me, the humongous success is that the five partners are all working together towards the same big goal—the long-term stewardship of Mt. Tam. And for the public to see and think about the mountain as One Tam.

— Agency staff

## SCALING UP THE COLLABORATIVE STEWARDSHIP CONVERSATION

This year the TLC became one of six founding members of an emerging group dedicated to advancing collaborative land stewardship, known for now as the California Land Stewardship Network. The purpose is to facilitate exchange, share tools, build relationships, meet discrete collective priorities, and promote innovation among land stewardship practitioners and colleagues. This new network held its first convening in

June 2016. Representatives from the TLC will take part in the formation and concrete outcomes of this new "network of networks." This is inspired by a vision to create a community of practice that could guide the conversation around the value and need for supporting and scaling collaborative land stewardship—and elevate this conversation to the statewide and national level.

# PHILANTHROPY & INVESTMENT

Many thanks to our One Tam members and contributors who have sustained One Tam in its third year. Your donations directly fund educational and volunteer programs, restoration and conservation work, and special projects on the mountain. To find out how you can give, contact Matt Leffert, Director of Philanthropic Programs, at [mleffert@parksonsenvacancy.org](mailto:mleffert@parksonsenvacancy.org).

## ONE TAM CONTRIBUTIONS October 1, 2016 – September 30, 2017

<b>\$10,000 AND ABOVE</b>	Tom Steyer and Kathryn Taylor	Kit Everts	Anna Lovaggi	Anna and Carlos Nogueira	Jewell Schiess	Eric Waters
BayWood Artists	Donald and Mainaine Bradley	Jed and Victoria Falk	Edmund C. Levin	Frank B and Lois A. Noonan	Mia Schisler	Susan Watson
S.D. Biechel Jr. Foundation	Julian Brandes	John Farrell	Ann Libbin	John and Tracy Novick	Leslie Schmidt	Lai Ann and Brad Werner
California Alpine Club	Paul and Ann Brenner	William Webb Farner	Lion's Club of Corne Maeder	Neil and Nancy Olcott	Jeffrey Schneider	Lia and Peter Westly
Hairford ARC	Peter Brock	Susan Faust	Tom Lule	Bill Olney	Richard Schneider	Karen Whetaker
Janice and Matthew Berger	Linda J. Brown	Carol and Thomas Ferenchak	Jacqueline Litman	Edward W. Oliveira	Susan Schneider	Bethna White
Randi and Bob Fisher	Ted and Beverly Brown	Mark and Tracy Ferron	Jane and Pam Lloyd	Ron Oliveira	Jeffrey and Susan Scholser	Peter White
Colin and Anne Lind	Terry Bumbaugh	Peter Fisher and Andrea Hehn	William Holmes	Aaron and Kathleen Olsen	Patricia Schumacher	Cynthia Whitehead
Jeff McKay	Susan Bumps	Allan Flash	Daniel Long	Haeri Ongaro	Don Schwab and Diann Grimm	Allen M. Williams
Main Community Foundation	Michael Burke	Stephen Forge and	Rockwell and Anata Lowe	Jennifer Oeally	Marc Schwartz	Adam Wilner and Marta Benzen
REI	Sue and Don Burrell	Igird Raulnaitis	Mariam M. Lundvall	Lorne and Ilona Palter	Patrick Scott and Susan Kraft	Sherry Wilson
The Smart Family Foundation	David and Susan Callins	Mark Fomey	Sabine and Philippe Lyko	Margaret Patterson	Suzanne Scovron	Steven Wolfe
Arlin Wenberger	Elen Callaway	Robert and Marilyn Forrest	Joan and Steve Lynch	Katharine Pearsall	Cindy Stamban	Timothy Wood
<b>\$1,000 - \$999</b>	Michelle Campbell	Carolyn Friedman	Amie and Troy MacPhee	David Penny and Jennifer Johnston	Eric Woodhouse	Emily Woodhouse
ACCOM Technology	Robert and Sandra Corniellini	Elizabeth and Bruce Friend	Charles and Bonnie MacKenzie	Richard Petersen	Nancy and Ross Wright	Dennis Willan
Corporation	Lynne Carmichael	Nancy Frost	Philip Madsen	Deborah and Michael Plattell	Margaret Simonds	Victor and Marie-Helene Yabom
Kari and Laney Alwater	Jill A. Carmody	Donn Furman	Anne Maillard	Roger Pierce	Jesse Smith	Angie You
Suzanne Badenhop and	Mary Chapman	Marge Gab	Greg Nagle	Ann Pierson	Kenneth L. Smith	Arthur & Stephanie Young
Gay Lampard	Scott Clark	Richard and Luiana Gale	Main Garden Club	Carol Pogash	Kimberly Smith	Kimberly M. Young
Nancy Wind Benjamin	Stephen C. Clark	Mark and Molly Gamble	Hilary Martin	Cheryl Pale	Richard Smock	Seravasz Zard
Genevieve and Andrew Biggs	Gary Cohen	Sue Gardner and Sharon Farrell	David Martin	Constance Prodomou	Rockelle Somers	Carolyn and Lawrence Zaroff
Peter and Miri Buckley	Bob Cohn	John Gaskill	Pamela A. Martori	Prospect Hill Foundation	Robby Stafford	Jay Zulant
California Native Plant Society	Alan Coleman	Nancy Gerstle	Andrew and Ann Mathieson	Audrey Pils	Clark Stanton	
Maria Chapter	A. Crawford Cooley	Leigh Goldberg	George McCluney and	Ned and Ellen Pudson	C. William Stevens	
Jeffrey and Catherine Colin	Christin Coy	Peter Goldstein and	Michelle and John Quinn	Michelle and Michael Plattell	Bertina and Payton Stewe	
First Community Bank	Anne and Martin Cyrne	Monica Sembler	Al Roe	Christina Stone	Kristina Stone	
Phyllis Faber	Brian Crawford	Warren and Roberta Gold	Meghan and John McCormick	Matthew Stone	Kim and Vic Rugo	
The Fred Gallett Family	Alan K. Crockett	Leigh Goldberg	Ed and Betsy McDermott	Irene Strahm	Emily Straburg	
Garda and Associates	Robert and Sandra Corniellini	Paul da Silva	Sally Weier	Richard Reed	William and Suzanne Straus	
Mark Grace and Steve Jensen	Christin Coy	Monica Sembler	Richard Reed	Charles Rach	William F. Rich	
Virginia and Glenn Halden	Alan K. Crockett	Leigh Goldberg	William F. Rich	Jeff and Kerry Meyer	Toby Symington	
Marel Harris	Paul da Silva	Monica Sembler	Jeff and Kerry Meyer	Richard Mott	Kathleen Tait	
Heart Ceramics	Gretchen V. Dahn	Monica Sembler	Richard Mott	Heidi Richardson and	Michael Dytt	
Vince and Amanda Hoeningman	Elton and Yelena Danziger	Warren and Roberta Gold	Val and Carol Miller	Barban Robben	Fred W. Taylor	
The Humanist Fund	Jacob Daby	Leigh Goldberg	Mia Monroe and Steptan Meyer	Mark and Stephanie Robinson	William L. Teufel	
Emily and Steve Janowsky	Judith and Leonhard Davains	Paul da Silva	Diane P. Moore	Yvonne Robinson	Ronald and Alice Theisen	
Nancy and Bryan Kemtzer	Nona B. Dennis	Monica Sembler	Minchen Moore	Linda Rockwell	Sanna Thomas	
Main Conservation League	Amy Dickle	Monica Sembler	Carin Morgan	George Roemer	Neal Toft	
Main County Arboretus	Stephanie DiMarco and	Monica Sembler	Scott and Wendy Morgan	Matt Rogers	Jeffrey Torson	
William and Diane Mayers	Jim Harless	Monica Sembler	Richard Morrison	Noah Rosenberg	Richard G. Torney	
Meadow Club	Don Doodson	Monica Sembler	Scott and Michelle Moyer	Jerome and Sandra Rosen	Heb and Nancy Tully	
Naomi Porat	Frank and Diane Doodha	Monica Sembler	Caitlin Mullins	Rohy/LaMotte Landscape	Serdiz Tungporen	
John and Lisa Pritzer	William Dorsett and Diane	Monica Sembler	Lawrence E. Mulyan	Architecture	Linda Turney	
Sara Wardell-Smith	Scott Dorsett	Monica Sembler	Boce Munro	Justin Rubenstein	Kirk Usher	
Susaioto Woman's Club	Doug and Kathrin Dossy	Monica Sembler	Margarette Murphy	Margaret Ransom-Barbini	Mark Valentine	
Sanjour for America Foundation	Janet Drake	Monica Sembler	Ruth and Steve Nash	Robert Ryski	Janet and Jean-Michel Vallette	
Bob and Betsy Stafford	John Drake	Monica Sembler	Frances S. Nelson	Matthew Spages	Frank H. Valone	
Monica and Scot Stafford	Mary and William Duff	Monica Sembler	Martha Nelson	Iris Salgman	Kristin Von Eschen	
	Carl Duisberg	Monica Sembler	Jody Newman	Thomas and Jill Sampson	Jorgen Vos	
	Charlene Duncan	Monica Sembler	Nancy and Bill Newmeyer	Christine Sansom	Mary S. Wagstaff	
	Laure Dumell	Monica Sembler	Lisa and Wendel Nicolas	Kevin Scher	Books and Summer Walker	
	James and Leslie Eichenberger	Monica Sembler	Key and Mark Naguchi			
	Nancy Eichenberger and Dennis	Monica Sembler				
	Goldstein	Monica Sembler				
	Shira Friedman and	Monica Sembler				
	Kirsty Ellis	Monica Sembler				
	Heb and Ann Boal	Monica Sembler				
	Timothy Emanuel	Monica Sembler				
	Jan Ete	Monica Sembler				
	Anna Everest	Monica Sembler				
	Barbara Boucse	Monica Sembler				

**ONE TAM GIFTS IN MEMORY OF:**  
*In memory of Rosemary Anne Sam/Janowsky*  
*In memory of Ron Mardigan from Sandra J. Mardigan*

**INKIND DONATIONS**  
 Fort Point Beer Company  
 Golden State Cider  
 Good Earth Natural Foods  
 Health Aid Kombucha  
 Heddon Meadery  
 Hint Water  
 Jarmit Marin  
 Marsals Farm  
 Mur Woods Trading Company  
 Natural Honey  
 Nicasio Valley Cheese Company  
 Nugget Markets  
 One Bar  
 Red Whale Coffee  
 Redwood Hill Farm  
 Sol Food  
 Sweet Thing Bakery  
 Tamajale Piza  
 Three Twins Ice Cream  
 Wine Warehouse

## HIGHLIGHTS



3

CORPORATE GRANTS/GIFTS RECEIVED



2

FOUNDATION GRANTS AWARDED



100+

INDIVIDUAL DONATIONS MADE



\$850,000

IN TOTAL FUNDS RAISED

## THANK YOU, MARIN COUNTY VOTERS!

Measure A (Ordinance 3586) funding provides critical support for One Tam programming and projects that help to protect and steward Mt. Tam's trails and natural resources.

# ONE TAM

One Tam is the community-wide initiative of the Tamalpais Lands Collaborative (TLC), created to protect the enduring health of Mt. Tamalpais by engaging volunteers in caring for its treasured resources, and renewing the spirit of philanthropy that has been so fundamental to its preservation over the past century.



The open spaces on Mt. Tam are a mosaic of interlocking protected areas managed by four public agencies: the Marin Municipal Water District, National Park Service, California State Parks, and Marin County Parks and Open Space District. The TLC brings together these four agencies and the nonprofit Golden Gate National Parks Conservancy to support the long-term stewardship of Mt. Tam. The area of focus pictured here represents an expansion of the partnership's previous boundary, as additional projects of collective benefit were identified this year.

## TAMALPAIS LANDS COLLABORATIVE



Learn more about the TLC and One Tam, and get the latest information about our projects and programs at [onetam.org](http://onetam.org).

Cover photo:  
Justin Scott

Additional photography:  
Paul Myers, Lieven Leroy,  
Alison Taggart-Barone, Gary Yost



## DRAFT 2018 WORK PLAN FOR ONE TAM INITIATIVE

The following programs and projects are under consideration by the TLC in 2018 to improve the health of the mountain, enrich the experiences of its visitors, and cultivate and educate a new generation of stewards. They build from, and sustain successful 2017 work, and will be implemented as funding becomes available. Projects reflect partner agency priorities, and will include all necessary agency permitting, compliance, and community engagement and public review. Each adds capacity to existing partner programs and collectively increases the mountain-wide reach and impact. For more information, including the proposed *2018 TLC Approach to Community Engagement*, please visit: [www.onetam.org](http://www.onetam.org).

### Community & Conservation Programs

Volunteer Stewardship programs engage youth and volunteers in service-based habitat restoration, monitoring and trails projects.

- Lead 82 volunteer stewardship workdays for restoration and trail maintenance projects
- Join agency staff in leading approximately 20 volunteer stewardship workdays for restoration and trail maintenance projects
- Increase site-specific stewardship at volunteer work sites through monthly staff and intern follow-up work days
- Conduct a total of 4 Bioblitzes on MCP, NPS and/ or State Parks lands

Community (Citizen) Science programs authentically engage volunteers and youth in science-based research inventory and monitoring projects.

- Lead 38 community science program events
- Launch One Tam interactive website for cloud-based wildlife image cataloguing, image display, and sharing real-time analytics for the Wildlife Picture Index Project (WPIP)
- Analyze results from Phase One of the WPIP in the Lagunitas Creek Watershed, and sustain Phase Two image cataloguing in the Redwood Creek Watershed
- Integrate Phases One and Two into one comprehensive mountain-wide WPI program
- Train volunteers to catalog wildlife photos remotely using the interactive WPIP website
- Recruit and train 85 volunteers and 120 students, and sustain five community and academic partnerships to support WPIP cataloguing
- Double volunteer participation in wildlife camera project fieldwork
- Develop and pilot a high school (or middle school) science program to build awareness about Mt. Tam's wildlife
- Initiate the development of WPIP HS curriculum in partnership with Marin County Schools Superintendent's office
- Support the monitoring of re-introduced Western pond turtles in the Redwood Creek Watershed
- Support communication and outreach with Coho Jumpstart program.
- Initiate an assessment of existing agency community science, and inventory and monitoring programs to determine which could be supported by the One Tam Community Science Program

Conservation Management work strategically advances weed control, habitat restoration, ecological monitoring and sustainable practices at a mountain-wide scale.

- Evaluate and analyze 2017 early detection, grassland and rare plant monitoring results
- Hire and train 2 One Tam Conservation Management Team 6-mos Seasonal staff to perform field work mountain wide
- Continue mountain-wide rare plant monitoring program, and weed treatment and rapid response programs
- Expand support to help inventory an additional 25% of Mt Tam's priority weeds, treating all new detections
- Assess the feasibility of expanding the EDRR program to adjacent lands, specifically Samuel P. Taylor State Park.
- Sustain joint NPS-State Parks vegetation management program throughout the Redwood Creek Watershed
- Improve data sharing, storage and analysis with further software development with Calflora Database; provide technical support to other Ca. State Parks
- Document protocols for early detection and serpentine endemic occupancy project

Youth, Engagement & Community Programs provide educational, service-based, and career development opportunities for local youth, plus outreach, interpretive and naturalist programs for interested community members.

- Deliver 40 education, naturalist, community building events, and field trips to raise awareness and build stewardship
- Lead One Tam LINC (*Linking Individuals with Natural Communities*) program and provide advanced summer internships for 2015, 2016, & 17 LINC youth participants,
- Assess new vocation training program opportunities, pilot and evaluate through LINC and other youth development programs
- Coordinate and support youth and school participation in the Trout in the Classroom program
- Strengthen partnerships with 11 community organizations to engage youth in stewardship programs
- Lead, administer and evaluate 3 mountain-wide multi-agency volunteer days
- Strengthen One Tam Roving Ranger program, to include onboarding one additional staff member dedicated to outreach and community engagement, developing climate change programming, as well as participating in 40 events and activities in support of TLC partners
- Facilitate 10 naturalist walks involving multiple TLC partners, to include delivering programs in Spanish.
- Provide 45 presentations and outreach at local community events, meetings and trailheads.
- Increase College of Marin participation in Academic Internship Program
- Organize multi-agency volunteer tracking and event coordination through web portal on [www.onetam.org](http://www.onetam.org) and the Hands-on-Connect database to streamline volunteer registration and statistics analysis
- Support One Tam Backpack Program in partnership with Marin County libraries and Community Centers to facilitate equitable access

One Tam Wildlife Symposium & Measuring the Health of the Mountain: A Report of Mt. Tamalpais' Natural Resources (2016)

- Host a 1-day *Wild Side of Tam* Symposium(Oct 26, 2017)

- Plan a 1-day Symposium for fall 2018 – topic to be determined
- Publish 2 articles/papers on the findings from the *Measuring the Health of the Mountain* findings
- Maintain the information in How Healthy is Mt Tam? An Interactive Web Tool

Large-Scale Inventories provide a comprehensive, big-picture view of the mountain’s resources will allow managers to prioritize restoration and protection efforts and allocate resources in new ways.

- Complete initial seeps and springs inventory work; assess feasibility and capacity to expand to southern Redwood Creek Watershed
- Complete pilot pollinator study
- Complete Phase 1 and initiate Phase 2 of the bat inventory, to include radio telemetry and maternity/roosting colony assessment
- Initiate fundraising and planning for a mountain-wide (possibly County-wide) vegetation map

Initiate TLC Five Year Strategy Development (2019-2023) to guide the TLC’s goals and outcomes for the next five years.

- Review and evaluate 2014-2018 goals and outcomes
- Prepare draft goals, outcomes and identify potential programs and projects for implementation
- Initiate outreach and community engagement to solicit feedback
- Prepare draft Strategy

Complete Longitudinal TLC Partnership Research to include publishing a report and articles on the *Value, Impact & Benefit of Land Stewardship Partnerships*.

- Publish the final report on the findings from long-term study
- Deliver presentations on the findings of the final report
- Prepare academic and practitioner articles for local and national publications

## **Proposed Projects<sup>1</sup>**

TLC Projects are arrayed in the three themes below – Wetlands & Waterways; Legacy Projects; and Signature Trail Corridors. The following projects, specifically the associated bulleted actions are proposed for implementation in 2018.

### Wetlands & Waterways

*Redwood Creek Juvenile Coho Habitat Restoration* - This project within will remove a portion of the rock riprap, allowing the creek to form natural habitat features so desperately needed for juvenile salmon survival. Rock removal will be targeted to maximize habitat benefits, protect sensitive resources, and avoid impacts to nearby trails.

- Continue fundraising for Phases 1 & 2

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<sup>1</sup> Potential Projects are contingent on complete project-specific grant/foundation/agency funding and will only be implemented if funds are available & with appropriate board approval of agency budgets. Projects may be implemented by the Parks Conservancy and/or by agency partners. Projects either are, or will be further described on [www.onetam.org](http://www.onetam.org).

- Provide communications support, facilitate community engagement and webpage development
- Initiate Phase 1 restoration

*Bothin Marsh* - Threatened by rising seas and strong waves caused by climate change, Bothin's shoreline is in danger of eroding and the marsh may convert to mudflats or become submerged. This project advances early planning necessary to address sea-level rise.

- Develop a working group and interdisciplinary team to support sea-level rise vision planning
- Initiate site analysis and community engagement through a series of interactive workshops
- Provide fund raising support
- Develop a vision document for the protection of natural resources, recreation and infrastructure in response to climate change and SLR that would include short and long-term adaptation measures, nature-based solutions, and pilot projects.

*North End Wetland Enhancement and Sea Level Rise Adaptation Project at Bolinas Lagoon* - restores critical wetland habitats and reconnect the lagoon to its upland creeks, benefiting numerous wildlife species, reducing flooding on local roads, and allowing the lagoon to shift and expand with storms and sea level rise.

- Increase community engagement and explore fundraising to support future implementation

## Legacy Projects

*West Peak* – This project assesses the methods and extent of possible restoration of West Peak, and involves both developing and assessing potential alternatives. The study is engaging a range of stakeholders in developing options that represent ecological needs, community input, and technical constraints.

- Utilize technical studies to develop a range of restoration alternatives; share with the District Board and community for review
- Refine alternatives into a preferred project alternative based on Board and community input
- Continue to facilitate outreach and community engagement, working closely with the MMWD and community to build project interest and support.
- Increase fundraising

*Log Cabin at Phoenix Lake* - The storied and picturesque Log Cabin stands proudly above the shores of Phoenix Lake on Marin Municipal Water District's Mt. Tamalpais Watershed. This project offers an opportunity to save a rich cultural resource while also providing important environmental educational and volunteer service opportunities for Marin students, residents and visitors.

- Continue to assess fundraising feasibility
- Seek alternative rehabilitation support through agency and private in-kind programs

*Forest Health & Resiliency* - First seen in Marin County in the mid-1990s, Sudden Oak Death (SOD) has resulted in the death of millions of oak and tanoak trees in California and Oregon. This project will examine how different forestry practices affect carbon sequestration, water yield, and reforestation potential in SOD-infested areas.

- Seek funding in partnership with U.C. Davis for science-based pilot project assessment and revegetation
- Integrate community science opportunities for science-based activities, to include LINC involvement
- Provide propagation and revegetation support

*Roy's Redwoods – Restoration & Sustainable Access* - Long loved by the San Geronimo Valley community, Roy's Redwoods Opens Space Preserve offers visitors an immersive experience in an old growth redwood grove. This project will develop conceptual enhancement alternatives for the redwood grove and surrounding environs that maximize resource enhancement and protection opportunities, as well as ensure an engaging and sustainable visitor experience.

- Host third workshop, focused on sharing site inventory and analysis with a broad community of park users
- Complete visitor use survey; integrate findings into final site analysis report

*Potrero Meadow Restoration* – The health of this once-vibrant wetland has declined due to the spread of weeds, wear and tear from visitation, and poorly placed roads and trails that cut through the meadow, changing its hydrology and increasing erosion, sedimentation, and maintenance costs. The long-term goals of this project include revitalizing this unique wet meadow habitat and associated rare flora, reducing the footprint of the road, and re-aligning existing trails so that they circumnavigate the wetland, creating new vistas and areas for reflection.

- Initiate preliminary planning, scoping, cost development
- Develop an approach for future implementation, to include sequencing and project management
- Explore fundability and fundraising opportunities
- Assess approach for revegetation
- Provide communications support, facilitate community engagement, site walks and webpage development

*Dipsea Bridge and Trail, and Deer Park Fire Road* – The braided alignment of the storied and much-loved Dipsea Trail and Deer Park Fire Road weave in and out of Mt Tamalpais State Park and Muir Woods National Monument. This project will partially restore the natural drainage patterns throughout the trail corridor, reducing the sediment flowing into Redwood Creek as well as creating safe and sustainable trail alignments to protect natural resources and visitor access well into the future. It includes the installation of the Dipsea Bridge over Redwood Creek, which is tentatively scheduled for 2019-20.

- Continue Dipsea Trail tread and stone work improvements west of the Redwood Creek crossing
- Initiate Dipsea Bridge schematic design work, fundraising and community engagement

### Signature Trail Corridor Projects

*Redwood Creek Trail Re-alignment* – The Redwood Creek Trail stretches between Muir Woods and Muir Beach. The proposed trail project, with 1.1 miles of realignment and two new bridges over the stream, will provide passage for horses and pedestrians and protect the creek and its inhabitants.

- Complete planning and compliance
- Initiate fundraising for Phase 1
- Replace washed out bridge

*Azalea Hill* - Rising above the shores of Alpine Lake, Azalea Hill's unique geology shelters many rare and sensitive plant species, and provides a critical recreational link between the popular Sky Oaks Ranger Station area and the more remote Pine Mountain and Carson Falls. This project will improve or remove the old roads and unofficial trails to reduce erosion and habitat fragmentation and improve the experiences of trail users. It will further protect and restore sensitive serpentine barrens and grasslands to improve rare plant habitat.

- Continue planning and environmental compliance (MMWD)
- Provide communications support, facilitate community engagement, site walks and webpage development
- Explore fundability and fundraising opportunities

*Wayfinding/Signage* - This project supports assessments, design, fabrication, and installation activities needed to realize a comprehensive signage system that provides the public a safer and more enjoyable visit.

- Continue to complete State Parks signage program; designing and installing remaining signs
- Design and fabricate a replacement kiosk and signage at Rock Springs

## Eligible Tamalpais Lands Collaborative Programs and Projects

PROGRAM	THEME	TLC AGENCY LEAD	UNDERWAY	2018 ADDITIONS
Community Stewardship	Community & Conservation	ALL	X	
Conservation Management	Community & Conservation	ALL	X	
Internships	Community & Conservation	ALL	X	
Large-scale Inventories & Monitoring	Community & Conservation	ALL	X	
One Tam Symposia, Workshops, & Conferences	Community & Conservation	ALL	X	
PROJECT	THEME	TLC AGENCY LEAD	UNDERWAY	2018 ADDITIONS
Azalea Hill Trail Restoration	Signature Trail Corridor	MMWD		X
Cataract Trail Restoration	Signature Trail Corridor	MMWD		
Community Trailheads & Roving Ranger	Signature Trail Corridor	ALL	X	
Deer Park Trail	Signature Trail Corridor	MMWD		
Dipsea Bridge & Trail, and Deer Park Fire Road Rehabilitation	Legacy Project	NPS & CDPR		X
Forest Health and Resiliency	Legacy Project	MMWD	X	
Lake Lagunitas Picnic Area	Legacy Project	MMWD		
Log Cabin at Phoenix Lake	Legacy Project	MMWD	X	
Native Plant Nursery Feasibility	Legacy Project	TBD		
North End Bolinas Lagoon Project	Wetlands & Waterways	MCP	X	
Planning for Climate Change at Bothin Marsh Preserve	Wetlands & Waterways	MCP		X
Potrero Meadow Restoration	Legacy Project	MMWD		X
Redwood Creek Juvenile Coho	Wetlands & Waterways	NPS	X	
Redwood Creek Trail Realignment* and Dias Ridge Trail Extension**	Signature Trail Corridor	CDPR* NPS**	X	
Roy's Redwoods – Restoration & Sustainable Access	Legacy Project	MCP	X	
Threatened Coastal Prairie	Legacy Project	TBD		
Wayfinding Signs & Kiosks	Signature Trail Corridor	ALL	X	
West Peak Restoration Feasibility	Legacy Project	MMWD	X	



**STAFF REPORT**

**SUBJECT:** Marin County Fire Department Mutual Benefit Agreement and Update on Fire Resiliency Efforts on MMWD Lands

**SUBMITTED BY:** Mike Swezy, Watershed Manager  
Crystal Yezman, Division Manager  
Facilities and Watershed Division

**RECOMMENDED ACTION:** Refer to the Board of Directors with recommendation to approve Master Mutual Benefit Agreement with MCFD

**EXECUTIVE SUMMARY:**

In order to implement District goals for watershed and community wildfire protection and biodiversity management, the district budget has been increased in support of field activities for FY 2018 and 2019. Staff has negotiated a multi-year mutual benefit agreement with Marin County Fire Department to incorporate MCFD staff and equipment resources for project implementation. In addition, staff plans to reinvigorate prescribed burning in coming years, strengthen coordination with regional fire safety stakeholders, and increase local community engagement for wildfire protection efforts.

**FISCAL IMPACT:** YES  **No**  **FISCAL YEAR:** 2018

**EXPENDITURES**

Budgeted Amount	\$80,000
Budget Augmentation Requested	\$
	\$
	\$
<b>TOTAL EXPENDITURES</b>	<b>\$80,000</b>

**FUNDING SOURCES**

Operating Fund	\$80,000
Capital Fund	\$
Other	\$
Operating Reserves	\$
<b>TOTAL SOURCES</b>	<b>\$80,000</b>

**FISCAL IMPACT NARRATIVE:**

The agreement provides for expenditures not to exceed \$400,000 over three fiscal years dependent on project needs. There are sufficient funds in the current budget for project work. Staff is targeting around \$80,000 during this fiscal year for vegetation management work and pile burning contingent on Marin County Fire Department’s Tam Fire Crew availability.

**BACKGROUND:**

**Marin County Fire Department Master Mutual Benefit Agreement**

The Master Mutual Benefit Agreement between the Marin County Fire Department (MCFD) and the Marin Municipal Water District for Services Related to Vegetation Management (Master Agreement) provides for MMWD's utilization of Marin County Fire Department's staff in conjunction with the 2016 Marin County Community Wildfire Protection Plan for providing equipment for prescribed burning, grading of fire roads, construction and maintenance of fuel breaks or other fire hazard reduction work on MMWD watershed lands. The term of the agreement is through June 30, 2020. The agreement provides for disbursement of an amount not to exceed \$400,000 over the term of the agreement. Specific project-based amendments to the Master Agreement will be defined as needed, reimbursed at the current MCFD rate schedule for staff and equipment. In addition to resources for project work, the district will be able to fully utilize MCFD expertise for prescribed fire planning, operational planning, fire training, and cost-sharing.

**Prescribed Fire Planning**

Prescribed fire is a planned fire; it is also sometimes called a "controlled burn" or "prescribed burn," and is used to meet land management objectives. A prescription is a set of conditions that considers the safety of the public and fire staff, weather, and probability of meeting the burn objectives.

Prescribed fire is one of the most important tools used to manage fire today. A scientific prescription for each fire, prepared in advance, describes its objectives, fuels, size, the precise environmental conditions under which it will burn, and conditions under which it may be suppressed. The fire may be designed to create a mosaic of diverse habitats for plants and animals, to help endangered species recover, to reduce invasive plant species or to reduce fuels and thereby prevent a destructive fire.

Prescribed burning began in earnest on MMWD lands in the 1980s when Marin County Fire Department and the California Department of Forestry and Fire Protection (now CalFire) conducted chaparral burns in winter months to reduce wildfire hazards. Local concerns regarding the adequacy of the state burn program CEQA document prompted MMWD to begin its initial vegetation management planning culminating with the District's Mt. Tamalpais Area Vegetation Management Plan EIR which was certified in 1995. Under the new plan and EIR, beginning in 1995, watershed staff began conducting prescribed burns for control of French broom, control of yellow star thistle, and for meadow and oak woodland habitat restoration. For about 11 years the district burned up to 200 acres per year.

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Burning was curtailed after 2006 for a variety of reasons including negative results for controlling broom in oak woodlands, increased sudden oak death in oak woodlands, more complicated planning and implementation under new CalFire guidelines, and difficulty meeting air quality demands. Also, during this period watershed staff shifted its broom management efforts to mechanical approaches and made a significant investment in the full range of experimental and innovative methods for broom control which are expressed in our new plan.

Prescribed burning requires a burn prescription and project plan, a project permit from the Bay Area Air Quality District, and CEQA compliance. In addition, MMWD has the option to participate in the Statewide Vegetation Treatment Program (VTP) where landowner may enter an agreement with CalFire to conduct burning, share costs, and provide liability protection to the landowner. A draft programmatic environmental impact report for the VTP is currently under public review and a final draft may be approved in 2018.

The draft Biodiversity, Fire and Fuels Integrated Plan (BFFIP) provides for use of prescribed fire. If fully implemented, in the first 5 years of the BFFIP, we would burn 450 acres (12 projects) of oak woodlands and grasslands and 100 acres (5 projects) of redwood and mixed hardwood understory.

The increased investment in forest management under the BFFIP is built on the early results of our Resilient Forest study on Bolinas Ridge. This project aims to restore old forest conditions for the second growth forest in the area and create more wildfire resilient stands. The 5 projects in the redwood/mixed hardwood forest would be done as a follow up treatment to the Resilient Forest plots.

As mentioned above environmental compliance for prescribed burning is more challenging than the early days of burning at MMWD. Our efforts are contingent on completion and certification of the BFFIP EIR.

### **Increased Community Engagement for Resiliency**

In addition to increased level of vegetation management on watershed lands, staff are currently participating in a Board of Supervisors Sub-committee recently established by Supervisors Rodoni and Arnold whose aim is to develop a collaborative approach to reducing life and property loss based on the lessons learned from the recent North Bay fires. This sub-committee will hear testimony from public safety, land management, and municipal government officials from Sonoma and Napa County and develop recommendations to improve community resiliency in the face of wildfire threats. Likely outcomes will focus on improved notification and evacuation, cross boundary collaboration for vegetation management in key communities, and developing widespread participation in Firewise Community certification for all of Marin's communities. Recommendation would be published in the spring in advance of the 2018 fire season and could inform budget for Marin County and other jurisdictions.

In addition, FIRESafe Marin is sponsoring a Firewise Community Workshop on February 9, 2018 to help Marin neighborhoods organize to achieve Firewise USA recognition. Participants can learn about the benefits and challenges of Firewise recognition for neighborhoods, while preparing a plan to your community survive a wildfire. Representatives from every Marin fire department, land management agencies like MMWD and Open Space, PG&E, and others will help participants understand Marin's wildfire risk and develop a plan to address the risk.

The Firewise Communities/USA Recognition Program is a process that empowers neighbors to work together in reducing their wildfire risk. There is a growing network of more than 1,028 recognized Firewise communities (12 neighborhoods in Marin!) taking action and ownership in preparing and protecting their homes against the threat of wildfire.

In addition to these broad efforts, staff has sent letters to approximately 50 landowners that live adjacent to Mt. Tamalpais Watershed Lands inviting them to work with us to make their homes more defensible during a wildfire.

**PUBLIC OUTREACH EFFORTS**

MMWD communications participate directly with FIRESafe Marin member agencies in outreach planning and are actively engaged in amplifying community wide training and education opportunities using our water bill newsletter and social media.

**STRATEGIC PLAN ALIGNMENT:**

The requested action aligns with the district's Strategic Plan Goal 4 (Environmental Stewardship), Strategy 1 (Enhance ecosystem resiliency in the face of climate change), Objective 1 (Complete Vegetation Management Plan), Objective 2 Develop and implement Healthy Forests plan

<b>REVIEWED BY:</b>	A.S.D Manager/Treasurer	<input type="checkbox"/>	NA	<input checked="" type="checkbox"/>
	General Counsel	<input checked="" type="checkbox"/>	NA	<input type="checkbox"/>
	General Manager	<input checked="" type="checkbox"/>	NA	<input type="checkbox"/>

**ATTACHMENTS:**

1. Draft Master Mutual Benefit Agreement between MCFD and MMWD

**MASTER MUTUAL BENEFIT AGREEMENT BETWEEN THE  
MARIN COUNTY FIRE DEPARTMENT AND THE MARIN  
MUNICIPAL WATER DISTRICT FOR SERVICES  
RELATED TO VEGETATION MANAGEMENT**

This agreement is made and entered into by and between the Marin County Fire Department (MCFD) and the Marin Municipal Water District (MMWD) (Agreement).

For valuable consideration, receipt of which is hereby acknowledged, the parties agree as follows:

Article 1: Recitals.

- A. MCFD has primary responsibility for fire prevention and suppression in unincorporated areas of the Marin County including the Mt. Tamalpais watershed.
- B. MMWD has a specific need for assistance with vegetation management activities related to prescribed burning, grading of fire roads, construction and maintenance of fuel breaks or other fire hazard reduction work on its watershed lands. and
- C. MCFD performs prescribed burning, grading of fire roads, construction and maintenance of fuel breaks and other fire hazard reduction work on county property and county open space district property.
- D. MCFD has the resources to provide specific services to MMWD related to vegetation management. Specifically, MCFD has the resources and is equipped to conduct prescribed fire burning, grading of fire roads, construction and maintenance of fuel breaks and other hazardous fuel reduction fire safety support to MMWD on a contractual basis.
- E. MMWD is authorized, under the provisions of Water Code Section 71722 to engage the services of MCFD to conduct those services on its watershed lands.
- F. MMWD and MCFD desire to contract for the foregoing services to establish responsibilities and provide compensation in consideration for MCFD's services.

Article 2: Purpose.

The parties agree that the purpose of this Agreement is to create a master services agreement between the parties related to vegetation management services and anticipate that amendments to this Agreement will be executed that will detail the scope of specific project work, costs estimates for that work, insurance requirements and other terms related to completion of specific project work.

Article 3: Term and Costs.

- A. The term of this Agreement shall commence on \_\_\_\_\_, 2017 and shall end on June 30, 2020.
- B. In no event shall the costs paid to MCFD exceed FOUR HUNDRED THOUSAND DOLLARS (\$400,000.00) through June 30, 2020.

Article 4: Duties of MCFD.

A. MCFD agrees to furnish the following services for the MMWD and MMWD agrees to pay MCFD for these services. The services are summarized below and are more particularly described in Exhibit A, which is attached hereto and incorporated herein by reference. MCFD shall:

- 1. Conduct prescribed burns;
- 2. Provide grading of existing fire roads in order to provide safer access by emergency vehicles and MMWD vehicles;
- 3. Construct and maintain fuel breaks; and
- 4. Performing other hazardous fuel reduction fire safety support.

B. MCFD will:

- 1. Collaboratively undertake projects for the purpose of fire hazard reduction on MMWD Lands as described throughout this Agreement.
- 2. Assign a technical representative or point of contact for every project.
- 3. Provide technical guidance, engine and crew leadership and fire personnel for the removal and reduction of targeted wild land fuels.
- 4. Provide cost sharing or matching, if available, for work on certain project activities, as mutually agreed to by both parties.
- 5. Provide supplies, materials, and equipment, as necessary, to perform specific project activities.
- 6. Provide MMWD with final reports, progress reports, images, mappings, and requested monitoring data from activities conducted under this Agreement.
- 7. Provide advice regarding hazardous reduction planning, wild land fire fuels inventorying, and monitoring protocols and data sets, if applicable.
- 8. Provide planning services in support of prescribed fire project planning, permits, and environmental compliance if applicable.

Article: 5. MMWD duties.

MMWD will:

1. Collaboratively undertake projects for the purpose of fire hazard reduction on MMWD lands consistent with MMWD vegetation management plans as described throughout this Agreement.
2. Provide financial assistance as provided for in Exhibit A.
3. Assign a technical representative or point of contact for every project.
4. Provide MCFD, to the extent allowed by the law and applicable policies, use of the resources and facilities for appropriate training.
5. Provide MCFD with technical assistance and guidance as deemed necessary.
6. Hold orientation briefings with MCFD personnel at the commencement of each project activity to discuss safety considerations and clearly explain project operational plan, expectations, specific instructions, and other necessary details.
7. Provide on-site coordination and assistance for project activities.
8. For any road grading or road drainage work provide written specifications and where appropriate provide a professional engineer's report.

Article 6: Joint Duties.

MMWD and MCFD will:

1. Enter into separate amendments to this Agreement that document the specific work to be conducted by MCFD, the scope of that work, the anticipated project costs, the required construction standards, provisions and insurance requirements for the project.
2. Mutually agree that the hourly rate for equipment reflects the customary and standard hourly rate for such equipment. The parties agree that the cost schedule for personnel and equipment will be updated in writing as needed on an annual basis and included in an amendment to this Agreement.
3. Meet regularly, or as needed, to identify and discuss MMWD hazardous fuels removal and reduction activities available for MCFD's assistance under this Agreement.
4. Coordinate wild land fire prevention planning and wild land fire training opportunities.
5. Cooperate in the wild land fuels planning and wild land fire hazard and risk assessment that are directed toward the reduction of catastrophic loss of life,

property, and natural resource values in the Marin Municipal Watershed District lands.

6. Participate in joint training opportunities related to activities arising under this Agreement.
7. Collaborate on community outreach for projects and programs as mutually agreed.

Article 7: Mutual Hold Harmless & Indemnification.

The MCFD and MMWD each agree to defend, indemnify and hold harmless the other, and the other's officers, agents and employees, against any and all liabilities, injuries or damages caused by the intentional or negligent acts, errors or omissions of their own employees, agents or representatives in connection with their performance and duties under the terms and provisions of this Agreement and any amendment thereto. The duty to indemnify and hold harmless shall include the duty to defend as set forth in California Civil Code Section 2778. In the event of concurrent negligence or liability of the parties' employees, liability shall be apportioned between MCFD and MMWD under the doctrine of comparative fault as established under California law.

Article 8: Termination.

This Agreement shall remain in full force until terminated by one or both of the parties. Either MMWD or MCFD may terminate this Agreement for any reason by giving the other party 30 days prior written notice.

Article 9: Notice.

Any Agreement-related notice shall be deemed sufficiently given or delivered if in writing and sent by registered or certified mail, return receipt requested, first class, postage prepaid, addressed as follows:

**MCFD**  
Attention: Fire Chief,  
33 Castle Rock Ave  
PO Box 518  
Woodacre, CA 94973-0518

**MMWD**  
Attention: General Manager  
220 Nellen Avenue  
Corte Madera, CA 94925

Article 10: Amendments.

This Agreement, including Exhibit A contains the entire agreement between the parties. Any modification to the agreement shall be in writing and signed by both parties. The provisions of this Agreement supersede any oral representations or verbal discussions

regarding the scope of work, compensation and the indemnification provisions set forth herein.

Article 11: General Provisions.

A. Dispute Resolution.

Any controversies between the parties regarding the construction or application of this Agreement, and claims arising out of this Agreement or its breach, shall be submitted to mediation. The parties shall agree on one mediator. The cost of the mediator shall be borne by the parties equally. Mediation under this section is a condition precedent to filing an action in any court unless the delay due to the mediation would cause an applicable statute of limitations to run.

The parties shall make good faith efforts to resolve all claims and disputes related to this Agreement. Unless the parties agree upon an alternative forum of dispute resolution, any litigation concerning claims and disputes related to this Agreement shall be filed in and timely prosecuted to conclusion in the Superior Court in and for Marin County, and each party hereby waives its right to seek to change venue.

B. Governing Law.

This Agreement shall be governed, construed and enforced in accordance with the laws of the State of California.

C. Further Assurances.

Each of the parties agrees to execute, and deliver to the other parties, such documents and instruments, and take such actions, as may reasonably be required to effectuate the terms and conditions of this Agreement; provided, however, such covenant shall not have the effect of increasing the obligations of any party pursuant to this Agreement or require any representations and warranties by any party in addition to those of such party set forth herein. At any time that a party is reasonably concerned that the other party may not be able to perform its obligations under this Agreement, it may request assurance from said other party that it is capable and intends to perform. Said other party shall respond to the request for assurance with all facts that support its ability to meet its obligations under this Agreement. Any communications between the parties pursuant to this Section shall be admissible in any dispute between the parties.

D. Waiver

No waiver of any right or obligation of any of the parties shall be effective unless in writing, specifying such waiver, executed by the party against whom such waiver is sought to be enforced. A waiver by any of the parties of any of its rights under this Agreement on any occasion shall not be a bar to the exercise of the same right on any subsequent occasion or of any other right at any time.

E. Presumptions

Each of the parties has participated in preparing this Agreement, therefore there shall be no presumption against any party on the ground that such party was responsible for preparing this Agreement or any part hereof.

F. Counterparts

This Agreement may be executed in counterparts, each of which shall be deemed an original, but all of which shall constitute one and the same instrument.

**MARIN COUNTY FIRE DEPARTMENT**

By: \_\_\_\_\_

Dated: \_\_\_\_\_

**MARIN MUNICIPAL WATER DISTRICT**

By: \_\_\_\_\_

Dated: \_\_\_\_\_

**EXHIBIT A**  
**COMPENSATION**

**COST RECOVERY RATES:**

<b>Resource</b>	<b>Daily Rate</b>	<b>GPM</b>	<b>Mileage Rate</b>	<b>Hourly Rate</b>	<b>FEMA/OES #Reference</b>
Eng. Type 3	NA	500GPM	NA	\$68.00	OES Rate Sheet
Eng. Type 1	NA	1250GPM	NA	\$72.25	OES Rate Sheet
Dozer Type I	NA	NA	NA	\$149.75	FEMA-8253
DozerTender-Field Maintenance	NA	NA	NA	\$38.65	FEMA-8840
Transport & Trailer	NA	NA	NA	\$68.25	FEMA-8601/8792
Fire Crew Vehicle	NA	100	NA	\$108.95	***
WT Type I	NA	2500	NA	\$68.00	OES Rate Sheet
BDSU	27.54		.94		
12 Pass Van	109.00		1.34		
Paramedic Res Amb	NA		48.14	40.50	FEMA-8041
Heavy Resc.	NA			93.47	FEMA-8696
Rig Hull Infl.	46.15			\$31.29	
Wave Runr	39.88			\$28.14	
Utility Veh-Pick-up 3/4ton	NA	NA	NA	\$20.80	FEMA-8807
SUV-4X4	\$96.00				
Stakeside	NA	NA	NA	\$35.00	FEMA-8701
Personal Vehicle			.54		

\*\*\*Crew Module-Hourly Calculation: Supt vehicle =\$20.80 + Type 6/200gpm= (\$68/hr) + Crew Carrier OCFA/CalEMA = (\$20.15/hr) = \$108.95/hour

**PERSONNEL RATES**

<b>Position</b>	<b>Base Rate</b>
Deputy Fire Chief	91.34
BC Operations	85.89
BC Veg Mgt & EMS	85.89
BC Training & Fire Marshal	85.89
Crew Superintendent	72.10
Crew Foreman	84.85
Fire Admin	47.68
Admin Accounting Tech	35.73
Captain Senior	45.73
Fire Captain	41.69
Fire Inspector	38.79
HFE0	38.79
Fire Dispatcher	30.02
FAE Medic	38.79
FAE	36.00
FF / Medic	37.10
Firefighter	32.18
Seasonal Firefighter	17.30
Volunteer Rates	19.08

\*\* Administrative Rate: 15.02% Effective: 7/1/17

\*\*Overtime will be billed at 1.5 times hourly rate for all positions other than BC&DC.



**STAFF REPORT**

**SUBJECT:** Alpine Dam 2019 Centennial Event  
**SUBMITTED BY:** Crystal Yezman, Facilities and Watershed Division Manager,  
Facilities and Watershed Division  
**RECOMMENDED ACTION:** Approve the 2019 Alpine Centennial Event

**EXECUTIVE SUMMARY:**

Construction of the Alpine Dam was completed in January 1919. In honor of the Alpine Dam’s one hundred year anniversary, staff is proposing a Spring 2019 event to celebrate its historical significance and importance to water supply in Marin County. Staff proposes soliciting for sponsorships that will fund the event and provide seed money for the historical restoration of the adjoining fountain, railing, and weir houses as well as bring attention to the nearby Cataract Trail Project that is included in the five year project list for One Tam, approved by the Board in November 2014.

According to MMWD Policy 7, Mt. Tamalpais Watershed Management, section 6.2 B: “Fund Raising Events - Fund raising events that generate revenue for watershed purposes will be considered and may be allowed on a case-by-case basis upon approval by the Board of Directors.” Staff believes that the 100 year anniversary of Alpine Dam would be a great time to ask the public and other donors for financial support. Staff is requesting board approval to proceed with this fundraising event.

Staff’s initial plan is to raise a minimum of \$25,000, which would fund an evening event at the dam site in March 2019. Remaining funds would provide seed money for historic restoration projects around the dam. Staff plans on making this event cost neutral to the district.

Staff will keep the board apprised of the progress of fund raising and planning for this event.

**FISCAL IMPACT:** YES  NO  **FISCAL YEAR:** 2018

**EXPENDITURES**

Budgeted Amount	\$
Budget Augmentation Requested	\$
	\$

**FUNDING SOURCES**

Operating Fund	\$
Capital Fund	\$
Other (Grant Funds)	\$25,000

	\$	Operating Reserves	\$
<b>TOTAL EXPENDITURES</b>	<b>\$ 25,000</b>	<b>TOTAL SOURCES</b>	<b>\$</b>

**FISCAL IMPACT NARRATIVE:**

The upfront cost of the event will include staff, rental, and catering.

**BACKGROUND:**

According to MMWD Policy 7, Mt. Tamalpais Watershed Management, section 6.2 B: “Fund Raising Events - Fund raising events that generate revenue for watershed purposes will be considered and may be allowed on a case-by-case basis upon approval by the Board of Directors.” Alpine Dam and the surrounding area are in need of upgrades and we believe that the 100 year anniversary of Alpine Dam would be a great time to ask the public and other donors for financial support.

MMWD built Alpine Dam at the junction of Lagunitas Creek and Cataract Creek between 1917 and 1919 to create a source for a gravity water delivery system that would improve the south county's water supply. The district's engineer Albert R. Baker designed Alpine Dam in consultation with the well-known engineer of San Francisco's water system, M.M. O'Shaughnessy, who also sat on the MMWD Board of Directors. Hired in 1906 and again in 1909 by F.P. Howard, president of the early Lagunitas Water Company, O'Shaughnessy made recommendations for that location as a reservoir site.



*Michael O'Shaughnessy helping build Alpine Dam, December 8, 1917*

Due to public interest in the dam and surrounding area, we anticipate that the proposed 2019 fundraising event would elicit support from engineering firms, environmental philanthropists, and local residents. All donations would go towards adding child safety measures to the Alpine Dam railing, making improvements to Cataract Falls (above Alpine Reservoir), adding a public water fountain, and restoring the historic Chlorinator and Alum weir houses near Alpine Dam, projects which have all been eagerly requested by the public.



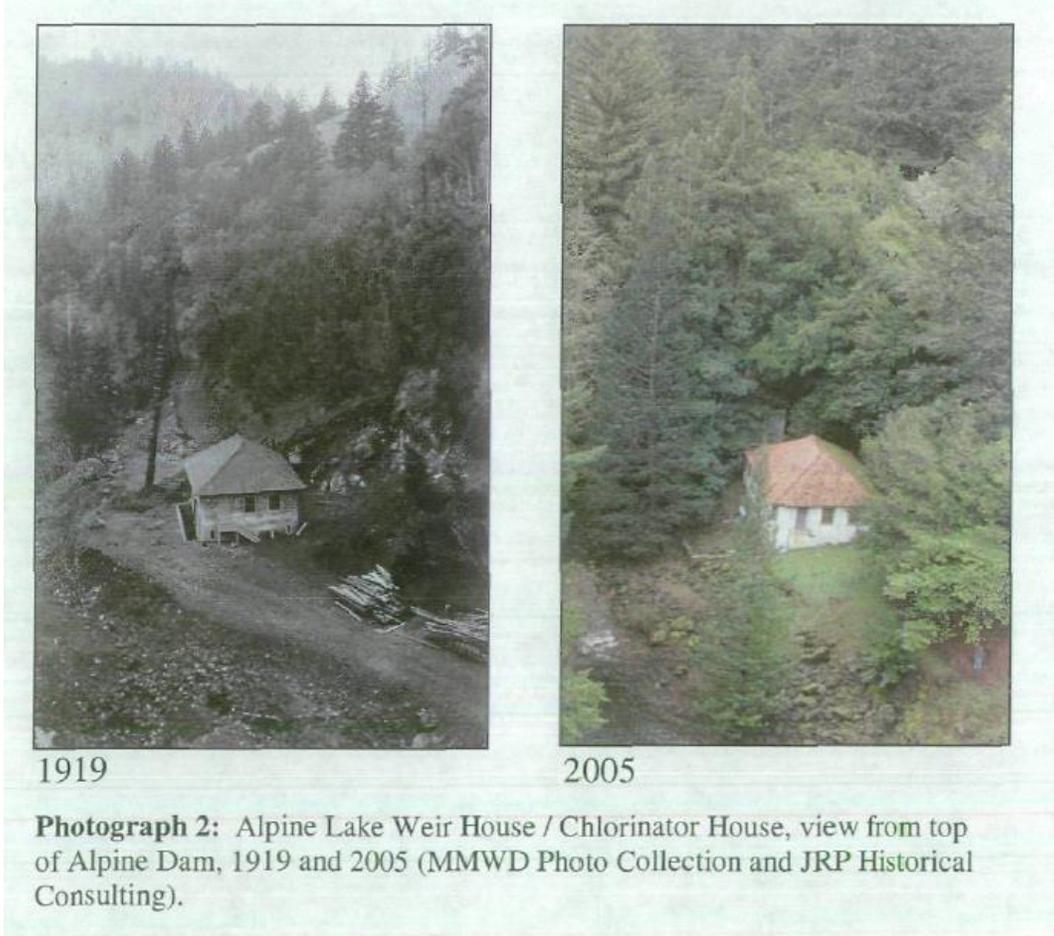
*Fountain at Alpine Dam*

When the Alpine Dam water fountain was first built, it directly sourced fresh lake water. When water regulations changed, the fountain no longer became usable due to permitting issues. Vehicle accidents damaged the fountain in recent years. MMWD continues to receive requests from the public for a restored, usable water fountain.



*Cataract Falls*

Cataract Trail is adjacent to Alpine Dam and is one of the premiere destinations for Bay Area hikers. During the wet season, when the falls are at their peak, the trail can have up to 400 visitors per hour. Over the years, we have worked to maintain visitor safety and protect the stream from sedimentation but additional enhancements are still necessary to reduce the impacts of such heavy trail use. The total cost to restore Cataract Trail is nearly one million dollars. This cost would cover: improvements throughout the trail corridor to help secure water quality, improvements to the trailhead, reintroducing foothill yellow-legged frogs, repairing the historic log bridge, and constructing stairs.



*Photos from the book "Mount Tamalpais and The Marin Municipal Water District" by Jack Gibson*

The Chlorinator House, formerly known as the Alpine Dam Weir House, and Alum House near Alpine Dam requires nearly one million dollars in renovation costs to make it accessible to the public. MMWD built the Chlorinator House at Alpine Lake in 1918 as part of the dam's original construction project. The trapezoidal type weir located in the house's tiled pool permitted the district to measure water flows out of the dam, and the tiled pool within the weir house served as a head chamber for the water proceeding down the pipeline toward the Pine Mountain Tunnel. This pool mimics the design of the historically significant Sunol Water Temple, part of the Hetch Hetchy water system for San Francisco, which was constructed in 1916 by renowned architect Willis Polk.



*Interior of Sunol Water Temple (part of Hetch Hetchy Water System)*



*Interior of the MMWD Weir House at Alpine Dam*

The district used the open pool to add a granular form of chlorine to the supply after calculating the amount relative to the water measured in the weir.

The Alum House at Alpine Lake is situated approximately thirty feet west of the Chlorinator House and approximately 230 feet west of Alpine Dam. The district likely constructed the Alum House soon after the Chlorinator House to store aluminum sulfate, although there is no written record indicating its date of construction. Drawings from the construction were unfortunately lost to fire. Staff is working to uncover records definitely linking Willis Polk, who was building the Ralston White House for the then president of the Mount Tamalpais Land and Water Company in 1916, two years prior to the construction of the Chlorinator house.

MMWD has taken these buildings out of service as new technological advances replaced their utility. Currently they pose as a safety hazard on the watershed.

Alpine Dam's centennial poses a great opportunity for MMWD to help expedite impactful watershed improvement projects that have the support of the public but which otherwise would take years to address.

**STRATEGIC PLAN ALIGNMENT:**

The requested action aligns with the district's Strategic Plan Goal 2 and 3. Goal 2 is Financial Stewardship (carefully managing the assets the community has entrusted to MMWD). Goal 3 is Communications (ensuring effective public input into the MMWD policy-setting process).

<b>REVIEWED BY:</b>	A.S.D Manager/Treasurer	<input type="checkbox"/>	NA	<input checked="" type="checkbox"/>
	General Counsel	<input type="checkbox"/>	NA	<input checked="" type="checkbox"/>
	General Manager	<input checked="" type="checkbox"/>	NA	<input type="checkbox"/>

**ATTACHMENTS:**

None.