

# NON-AGENDA

## July 7, 2017

**Board Policy: EL-7 Communication and Support to the Board**

The BAOs shall inform and support the Board in its work.

**Page #**      **CEO BULLETIN**

4              **Week of:** 06/30/17 – 07/06/17

**BOARD MEMBER REQUESTS & INFORMATIONAL ITEMS**

8              **BMR/IBMR Weekly Reports:** 07/06/17

10             Memo from Jim Fiedler, COO – Water Utility Enterprise, to the Board, dated 06/28/17, regarding the June 2017 Drought/Water Use Status Report.

11             Memo. from Rick Callender, Chief of External Affairs, to Norma Camacho, Interim CEO, dated 06/30/17, regarding published Board Member guest columns and mailed project notices for June 2017

31             Memo from Garth Hall, Acting COO – Water Utility Enterprise, to the Board, dated 07/05/17, regarding an Algal Bloom at San Luis Reservoir and Taste and Odor from South Bay Aqueduct.

37             Memo from Garth Hall, Acting COO – Water Utility Enterprise, to the Board, dated 07/07/17, regarding the Metropolitan Water District of Southern California White Paper on the California WaterFix Infrastructure.

45             Memo from Melanie Richardson, Interim COO – Watersheds, to the Board, dated 07/07/17, regarding the Stream Maintenance Report.

**INCOMING BOARD CORRESPONDENCE**

77             **Board Correspondence Weekly Report:** 07/07/17

78             Letter from Anna Eshoo, Member of Congress, to Chair Varela, dated 06/29/17, regarding the California WaterFix project (C-17-0235).

80             Email from Mary Cannuli to the Board, dated 06/30/17, regarding the Delta Tunnels (C-17-0236).

81             Email from Arletta Bunnell to the Board, dated 06/30/17, regarding the Delta Tunnels (C-17-0237).

82             Email from Doug Muirhead to the Board, dated 06/28/17, regarding the status of the CEO recruitment (C-17-0238).

83             Email from Katja Irvin, Sierra Club, to Sarah Young (cc: BOD), dated 06/30/17, regarding FAHCE Scoping Comments from Sierra Club (C-17-0239).

89             Email from Jerry Banks to the Board, dated 06/30/17, regarding the California WaterFix (C-17-0240).

- 90 Email from Margaret Ahmann to the Board, dated 07/03/17, regarding dry vegetation near her neighborhood (C-17-0241).
- 91 Email from Paul Buiano to the Board, dated 07/04/17, regarding California WaterFix (C-17-0242).
- 92 Letter from Garth Hall, Acting COO - Water Utility Enterprise, to Jason Peltier, Executive Director - SLDMWA, dated 07/05/07, regarding the Pacheco Reservoir Expansion Project (C-17-0243).
- 95 Email from Mark Strudley, Zone 7 Flood Control District of Santa Cruz County, to the Board, dated 07/06/17, regarding support for the Pacheco Reservoir Expansion Project (C-17-0244).

**OUTGOING BOARD CORRESPONDENCE**

- 99 Reply letter from Chair Varela to Dave Cortese, President - SCCBOS, dated 07/03/17, regarding an offer by Ephyra Networks to finance the Anderson Dam retrofit (C-17-0233).
- 100 Reply email from Chair Varela to Margaret Ahmann, dated 07/05/17, regarding dry vegetation near her home (C-17-0241).
- 101 Reply email from Chair Varela to Doug Muirhead, dated 07/06/17, regarding the status of the CEO recruitment (C-17-0238).
- 102 Reply email from Chair Varela to Katja Irvin, dated 07/07/17, regarding public outreach for the upcoming discussion of the California WaterFix Plan (C-17-0234).

Board correspondence has been removed from the online posting of the Non-Agenda to protect personal contact information. Lengthy reports/attachments may also be removed due to file size limitations. Copies of board correspondence and/or reports/attachments are available by submitting a public records request to [publicrecords@valleywater.org](mailto:publicrecords@valleywater.org).

# **CEO BULLETIN**

To: Board of Directors  
From: Norma J. Camacho, Interim CEO

## Chief Executive Officer Bulletin Week of June 30 – July 6, 2017

### Board Executive Limitation Policy EL-7:

*The Board Appointed Officers shall inform and support the Board in its work. Further, a BAO shall 1) inform the Board of relevant trends, anticipated adverse media coverage, or material external and internal changes, particularly changes in the assumptions upon which any Board policy has previously been established and 2) report in a timely manner an actual or anticipated noncompliance with any policy of the Board.*

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<a href="#">1</a>	<b>Symposium: Phytophthora species in Restoration Nurseries, Plantings, and Wildlands</b>
<a href="#">2</a>	<b>Water District Celebrates Completion of Reaches 4 to 5b of the Lower Silver Creek Flood Protection Project</b>
<a href="#">3</a>	<b><u>Varela</u> Chair Varela requested that staff follow up with Quyen Vuong in response to questions posed during the 6/13/17 Public Hearing on Safe Clean Water-Coyote Flood Protection Project. The written questions were posed on a "Request to Speak" form submitted during the meeting R-17-0017</b>

### **Symposium: Phytophthora species in Restoration Nurseries, Plantings, and Wildlands**

The water district hosted the second symposium of the Working Group for Phytophthoras in Native Habitats on Thursday, May 18, 2017. The symposium provided updates on new developments in the local, regional, and state response to the emerging threat of Phytophthora plant pathogens (pathogen) and the impacts of this root-rot disease on mitigation projects, restoration, and wildland habitats.

The symposium featured eight speakers who addressed new developments in research, taxonomy, restoration, remediation, and nursery retrofits to combat the pathogen. Speakers included representatives from the US Forest Service, California Department of Food and Agriculture, San Francisco Public Utilities Commission, Phytosphere Research, The Watershed Nursery, University of California at Davis, Oregon State University, and the water district.

The symposium was well-attended by 140 participants representing 68 different organizations, including various regulatory agencies, such as the US Fish and Wildlife Service, US Army Corps of

Engineers, California Regional Water Quality Control Board, CA Department of Fish and Wildlife, US Forest Service, CA Department of Forestry, and the County of Santa Clara Agriculture Division; as well as various consultants, native plant nurseries, local non-profit groups, other Bay Area water utilities, public agencies, land managers, the general public, and water district staff.

The symposium format was a combination of short presentations, question and answer sessions, and roundtable group discussion. A highlight of the day was a preview of the water district's prototype heat auger. This tool was developed through collaboration with the water district's Watershed Field Operations Unit, the Equipment Management Unit, the Environmental Mitigation and Monitoring Unit, and the water district's plant pathogen consultant. The heat auger will assist in the remediation of infected mitigation sites by heat-treating contaminated soil in a metal cylinder. Once the heated soil reaches the appropriate temperature, Phytophthora plant pathogens are eradicated. This innovative tool should be ready for field trials within the next two months.

The event was videotaped for those who could not attend and the link will be provided when available on the Safe, Clean Water and Natural Flood Protection Priority D2 web page. To learn more about the pathogen, please visit: [www.calphytos.org](http://www.calphytos.org).

For further information, please contact Sue Tippetts at (408) 630-2253.

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### **Water District Celebrates Completion of Reaches 4 to 5b of the Lower Silver Creek Flood Protection Project**

On Saturday, June 10, 2017, the water district celebrated the completion of reaches 4 to 5b of the Lower Silver Creek Flood Protection Project with members of the Capitol/Dobern community. A ribbon cutting ceremony recognized the completion of nearly a decade of work to bring flood protection improvements to the Lyndale and Capitol/Dobern neighborhoods.

Water district Interim CEO Norma Camacho emceed the event with board Vice-Chair Richard Santos and Director Tony Estremera as featured speakers. Assemblymember Ash Kalra and Santa Clara County Supervisor Cindy Chavez were present to provide remarks recognizing the water district for the work on the project.

Vice-Chair Santos and Director Estremera both spoke to the history of the project and emphasized the importance of partnerships when working to provide flood protection in flood risk communities, including how the Lower Silver Creek Flood Protection project became the largest American Recovery and Reinvestment Act funded flood protection project through Natural Resources Conservation Service (NRCS). Acting California State Conservation Engineer Greg Norris, on behalf of the NRCS, sent a statement read by Vice-Chair Santos expressing the agency's appreciation to be part of the project.

Berenice Martinez from the Capitol/Dobern Neighborhood Association thanked the water district on behalf of the community for completing the flood protection work and for beautifying the neighborhood. The program finished with water district providing an overview of the project.

At the conclusion of the program, a ribbon cutting ceremony was held at the Dobern Bridge entrance.

The last portion of the Lower Silver Creek Flood Protection Project, reaches 5c to 6, is expected to be completed by December 2017. When this portion of the project and the Cunningham Detention Facility are completed, both projects will protect nearly 3,200 homes and businesses along Lower

Silver Creek from a one-percent flood event.

For more information on the Lower Silver Creek Flood Protection project, please visit:

<http://www.valleywater.org/Services/LowerSilverCreek.aspx>

For further information, please contact Rick Callender at (408) 630-2017.

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### **Varela**

**Chair Varela requested that staff follow up with Quyen Vuong in response to questions posed during the 6/13/17 Public Hearing on Safe Clean Water-Coyote Flood Protection Project. The written questions were posed on a "Request to Speak" form submitted during the meeting R-17-0017**

An e-mail message from the water district with clarifying questions was sent to Quyen Vuong on June 16, 2017, to the address the questions and requests listed on the "Request to Speak" form, however, no response was received.

A follow-up e-mail from the water district, dated June 30, 2017, responded to these questions and requests from Quyen Vuong and a copy of the e-mail response is provided below:

*1. Who should we call when residents see that the pump in their area is broken?*

*Without the location of the pump, our response is very general. The Santa Clara Valley Water District manages the creek where we own property or have built flood protection improvements. The City of San Jose (or other cities) operate the storm drain systems that discharge water into a creek. These drainage pipes usually flow by gravity into a creek but sometimes the water is pumped. The pumps are typically operated by the city department of public works.*

*2. Please clean the bottom of the creek in District 7. It is full of debris, dead trees, trash, etc., causing the flood in D7. No flood in D4 because the creek was well kept.*

*Most of the Coyote Creek in District 7 is owned by the City of San Jose. The District will be clearing trash and debris at sites under its ownership this year both in District 7 and in District 4. Coyote Creek in District 4 has been enlarged and modified to convey flood flows so is maintained in accordance with design criteria. While trash, debris and blockages can contribute to flooding, Coyote Creek is not large enough in the areas that flooded to convey the storm water runoff received.*

*3. Please reach out to work with community based organizations such as International Children Assistance Network who can help relay messages and foster discussion with the Vietnamese community.*

*I have forwarded your comment to our Communications staff.*

*Please let me know if you have any follow up questions or comments.  
Sue Tippets*

For further information, please contact Sue Tippets at (408) 630-2253.

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# **BOARD MEMBER REQUESTS & INFORMATIONAL ITEMS**

Request	Completed Date	Meeting Date	Director	GM / AGM	Description	20 Days Due Date	Expected Completion Date	Disposition
R-16-0021	Pending	04/12/16	Keegan	Stanton	Staff to take a preliminary look at the use of PLAs on Non-federal District projects.	03/22/17		03/02/17 Continued. 07/28/16 CEO Bulletin.
R-17-0020	Pending	06/15/17	Keegan	Fiedler	Staff to provide historical ecologic information to both GCRCD and District Boards.	07/06/17		
R-17-0021	Pending	06/27/17	Keegan	Camacho	Staff is requested to agendize an item for Board discussion of the formation of a Coyote Creek Ad Hoc Committee.	07/18/17		
R-17-0016	Pending	05/23/17	Kremen	King	The Board directed staff to agendize an item for Board Discussion on the roles and functions of directors serving on external committees.	06/12/17		
R-17-0019	Pending	06/15/17	Lezotte	Fiedler	Staff to Investigate opportunities to shorten FAHCE DEIR internal review process and return to the Board with a modified schedule proposal and summary of associated impacts.	07/05/17		
R-17-0022	Pending	06/27/17	Lezotte	Fiedler	Staff to provide the Board with a link to the two biological opinions issued on the California WaterFix.	07/17/17		
R-17-0014	Pending	05/09/17	Santos	King	Staff to schedule Board policy meeting to review and discuss EL-5 (Procurement).	05/30/17		
R-17-0017	Pending	06/13/17	Varela	Camacho	Staff to follow up with Quyen Vuong in regards to questions asked during 6/13/17 Public Hearing on the Safe, Clean Water-Coyote Creek Flood Protection Project (see attached Request to Speak card).	07/04/17		
R-17-0018	Pending	06/13/17	Varela	Camacho	Staff to follow up with Aurelia Sanchez in regards to questions asked during 6/13/17 Public Hearing on the Safe, Clean Water-Coyote Creek Flood Protection Project (see attached Request to Speak card).	07/04/17		

Request	Completed Date	Request Date	Director	GM / AGM	Description	20 Days Due Date	Expected Completion Date	Disposition
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No open informal BMRs



# MEMORANDUM

FC 14 (01-02-07)

**TO:** Board of Directors

**FROM:** Jim Fiedler

**SUBJECT:** June 2017 Drought/Water Use Status Report

**DATE:** June 28, 2017

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The June 2017 Monthly Drought/Water Use Status Report (Monthly Report) contains the most recent water use and water reduction data for the month of May 2017. Data collected to date indicates that water use reductions in the month of May 2017 were 25 percent when compared to May 2013. The cumulative water use reductions through May 2017, when compared to 2013, were 27 percent. This is above the 20 percent target continued by the Board on June 13, 2017.

The report is available for download at the following URL: <http://www.valleywater.org/drought/#updates> under Monthly Updates – Monthly Water Use Status Report. Future updates will be provided to the Board quarterly, in a streamlined one page summary report.

If you have any questions, please call me at (408) 630-2736.

A handwritten signature in blue ink, appearing to read "Jim Fiedler", is written over a horizontal line.

Jim Fiedler, P.E., D.WRE  
Chief Operating Officer  
Water Utility Enterprise

**TO:** Norma J. Camacho, Interim Chief Executive Officer      **FROM:** Rick L. Callender  
**SUBJECT:** Published Board Member guest columns      **DATE:** June 30, 2017  
and mailed project notices for June 2017

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The Office of Communications is providing copies of all Board member newspaper guest columns and mailed project notices in the Board's non-agenda packet. The purpose is to share information with all Board members about the activities and columns occurring in other board member districts.

The enclosed items are for the month of June 2017.

**Stream Maintenance Program (SMP) and capital project work notices:**

*Vice Chair Richard P. Santos- District 3*

- Coyote Creek Levee Repair Project Notice, San Jose

*Director Linda J. LeZotte- District 4*

- Ross Creek Bank Repair SMP Notice, San Jose

*Director Tony Estremera- District 6*

- Lower Silver Creek Flood Protection Project Ribbon Cutting Ceremony Invitation, San Jose

*Director Gary Kremen- District 7*

- Barron Creek Levee Repair SMP Notice, Palo Alto
- Permanente Creek Flood Protection Project Notice, Mountain View
- Rinconada Water Treatment Plant Neighborhood Update

**Board member guest columns:**

*Chair John L. Varela- District 1*

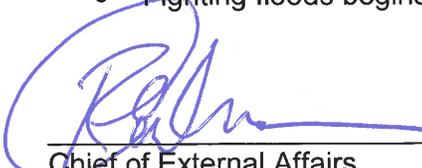
- Fighting floods begins in the summer with local stream maintenance, Morgan Hill Life

*Director Linda J. LeZotte- District 4*

- Fighting flood water begins in the summer with stream maintenance, Almaden Times
- Fighting floods begins in the summer with stream maintenance, Campbell Express

*Director Gary Kremen- District 7*

- Fighting floods begins now with stream maintenance, Mountain View Voice
- Fighting floods begins now with stream maintenance: Other Voices, Los Altos Town Crier



\_\_\_\_\_  
Chief of External Affairs

Attachments: Board member guest columns  
Mailed neighborhood work notices

Dear Neighbors:

The Santa Clara Valley Water District is beginning the first of the short-term improvements along Coyote Creek. Starting in early June, you will see crews in your neighborhood repairing 150 feet of levee near Coyote Creek, near the South Bay Mobile Home Park in San Jose.

The project will repair the levee damages sustained during the storms earlier this year to help provide continued flood protection to homes and property along the creek.

Work is expected to begin on June 5 and take approximately eight work days to complete.\* Project work hours are 8 a.m. to 5 p.m., Monday through Friday.

A five-person crew will work at the project site using a loader, excavators, dump trucks and other heavy equipment. Expect typical construction noise during work hours. A water truck will be used to minimize dust. Trucks and crews will access the creek from Oakland Road and Corie Court. Expect no road closures, but traffic control or flaggers may be needed at times during work for safety.

We are committed to addressing flood protection along Coyote Creek through short- and long-term improvements, and continue to advocate for the resources needed to make these changes.

For more information about the levee repair work, please contact Hieu Huynh at (408) 630-3757 or [hhuynh@valleywater.org](mailto:hhuynh@valleywater.org). For all other questions, please contact Diego Barragan at (408) 630-3063 or [dbarragan@valleywater.org](mailto:dbarragan@valleywater.org).

Thank you,

Santa Clara Valley Water District

\* Project start dates and duration may vary due to site conditions and equipment availability.



Highlighted area indicates project location.



Damaged levee along Coyote Creek.

## We speak your language

Si habla español y tiene preguntas sobre el contenido de este mensaje por favor de comunicarse con José Villarreal al [JVillarreal@valleywater.org](mailto:JVillarreal@valleywater.org) o (408) 630-2879.

Nếu bạn nói tiếng Việt và có thắc mắc về nội dung của thông báo này, xin vui lòng liên hệ với Triet Trinh tại [TTrinh@valleywater.org](mailto:TTrinh@valleywater.org) hoặc (408) 630-3211.

如果你說中文並對上述訊息有疑問,請聯繫 Jane Zhou, 電郵 [JZhou@valleywater.org](mailto:JZhou@valleywater.org), 或者電話:(408) 630-2631

Kính Thưa Quý Vị:

Khu Thủy Cục Santa Clara Valley hiện đang khởi sự bước đầu tiên trong các cải tiến ngắn hạn dọc theo con lạch Coyote Creek. Bắt đầu từ đầu tháng Sáu, quý vị sẽ thấy các nhân viên sửa chữa có mặt tại khu xóm của quý vị để sửa đoạn đê dài 150 feet dọc theo Coyote Creek, gần the South Bay Mobile Home Park ở San Jose.

Dự án sẽ sửa chữa các thiệt hại của con đê do các trận bão vào đầu năm nay gây ra để giúp bảo vệ cho nhà cửa và tài sản dọc theo con lạch khỏi bị ngập lụt.

Công trình được dự kiến bắt đầu vào ngày 5 tháng Sáu và cần khoảng 8 ngày liên tiếp để hoàn tất. Giờ làm việc của dự án là từ 8 giờ sáng tới 5 giờ chiều, thứ Hai tới thứ Sáu.

Một đội ngũ gồm năm người sẽ làm việc tại địa điểm dự án qua việc dùng một máy xúc đất, các máy đào đất, xe tải chở đất và thiết bị nặng khác. Sẽ thường có nhiều tiếng ồn trong các giờ làm việc. Một xe tải chở nước sẽ được dùng để phun làm giảm bụi đất. Các xe tải và đội ngũ công nhân sửa chữa sẽ tiếp cận con lạch từ Oakland Road và Corie Court. Sẽ không có đóng đường, nhưng đôi khi có thể cần tới người kiểm soát lưu thông hoặc phát cờ trong thời gian làm việc nhằm đảm bảo an toàn.

Chúng tôi quyết tâm bảo vệ cho khỏi bị ngập lụt dọc theo Coyote Creek qua các cải tiến ngắn và dài hạn, và tiếp tục ủng hộ việc củng cố các nguồn tài nguyên cần thiết để thực hiện các thay đổi này.

Để biết thêm thông tin về công trình sửa chữa cho con đê, xin liên lạc với Hieu Huynh tại số (408) 630-3757 hoặc [hhuynh@valleywater.org](mailto:hhuynh@valleywater.org). Đối với các câu hỏi khác, xin liên lạc với Diego Barragan tại số (408) 630-3063 hoặc [dbarragan@valleywater.org](mailto:dbarragan@valleywater.org).

Cám ơn quý vị,

Khu Thủy Cục Santa Clara Valley

*\* Ngày bắt đầu dự án và khoảng thời gian có thể thay đổi tùy theo các tình trạng của địa điểm và sự sẵn có của thiết bị.*



Vùng tô đỏ cho biết địa điểm của dự án.



Con đê bị thiệt hại gần Coyote Creek.

## Chúng tôi nói ngôn ngữ của bạn

Si habla español y tiene preguntas sobre el contenido de este mensaje por favor de comunicarse con José Villarreal al [JVillarreal@valleywater.org](mailto:JVillarreal@valleywater.org) o (408) 630-2879.

Nếu bạn nói tiếng Việt và có thắc mắc về nội dung của thông báo này, xin vui lòng liên hệ với Triet Trinh tại [TTrinh@valleywater.org](mailto:TTrinh@valleywater.org) hoặc (408) 630-3211.

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## We are working in your neighborhood creek!

### Ross Creek Bank Repair Project

The Santa Clara Valley Water District will work in your neighborhood to repair an eroded bank site along Ross Creek, between Briarglen Drive and Cherry Avenue in San Jose.

This project will repair 350 feet of creek bank that eroded during the past winter storms and other high flow events, and will include the removal of fallen vegetation. The banks will be reshaped and lined with rock to prevent future erosion and improve water quality in the channel. The repairs will also minimize sediment build-up and maintain the creek's capacity to carry floodwaters, while sustaining a stable and healthy creek ecosystem.

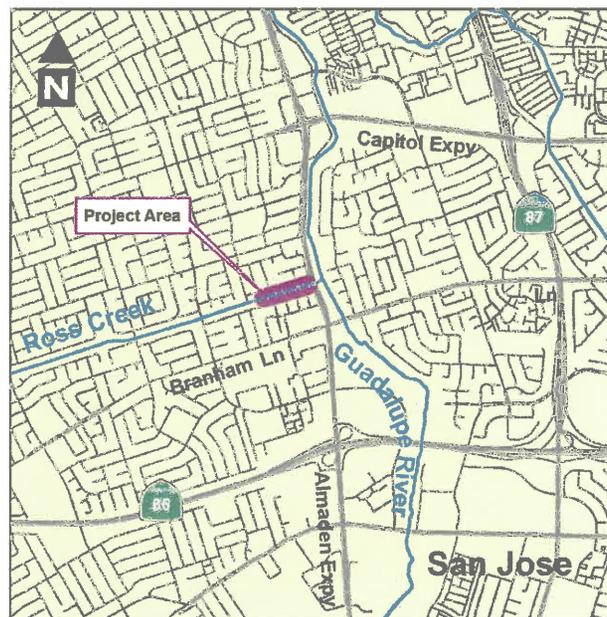
### What to expect

Work is planned to begin June 21st and will take approximately 25 days to complete. \* Work hours are 8 a.m. to 4 p.m., Monday through Friday. In the unlikely event of delays, work hours may include Saturday.

A five-person crew will work at the project site using an excavator, a loader, dump trucks, water trucks and street sweepers. Expect typical construction noise during work hours from operating heavy equipment.

Trucks and crews will access the creek from maintenance roads at Briarglen Drive and Cherry Avenue. Expect no road closures, but traffic control or flaggers may be needed at times during work for safety.

*\* Project start dates and duration may vary due to site conditions and equipment availability.*



### Contact us

**Dave Adams**  
**(408) 690-0965**  
**dadams@valleywater.org**



For more information on the Stream Maintenance Program, scan the QR code or visit:

<http://valleywater.org/Services/StreamMaintenanceProgram.aspx>

## Santa Clara Valley Water District



5750 Almaden Expwy  
San Jose, CA 95118-3686  
[www.valleywater.org](http://www.valleywater.org)

### We speak your language

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如果你說中文並對上述訊息有疑問，請聯繫 Jane Zhou, 電郵 [JZhou@valleywater.org](mailto:JZhou@valleywater.org), 或者電話 (408) 630-2631.

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PRESORT STANDARD  
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PAID  
SAN JOSE, CALIF.  
PERMIT NO. 1231

You're invited: Ribbon Cutting Ceremony  
Está invitado: Ceremonia de corte de cinta

## We speak your language

Si habla español y tiene preguntas sobre el contenido de este mensaje por favor de comunicarse con José Villarreal al JVillarreal@valleywater.org o (408) 630-2879.

Nếu bạn nói tiếng Việt và có thắc mắc về nội dung của thông báo này, xin vui lòng liên hệ với Triet Trinh tại TTrinh@valleywater.org hoặc (408) 630-3211.

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# Lower Silver Creek Flood Protection Project Lower Silver Creek Flood Protection Project Ribbon Cutting Ceremony!




*(Before and after photo of construction work looking downstream from Dobern Bridge)*

Join us to celebrate the completion of your neighborhood flood protection project.

**Saturday, June 10, 2017**  
**10:00 to 11:00 a.m.**

Dobern Bridge entrance from Bambi Lane  
San Jose, CA (across from Capitol Park)  
Event Parking will be on the street.

Acompáñenos a celebrar la finalización del proyecto de protección contra inundaciones en su vecindario.

**Sábado, 10 de junio de 2017**  
**10:00 a 11:00 a.m.**

Entrada del puente peatonal Dobern desde Bambi Lane  
San José, CA (enfrente de Capitol Park)  
El estacionamiento para el evento será en la calle.

# Lower Silver Creek Flood Protection Project Ribbon Cutting Ceremony!

Please join the Santa Clara Valley Water District on Saturday, June 10 as we celebrate the completion of Reaches 4 to 5b, I-680 to Story Road, of the Lower Silver Creek Flood Protection project.



(Flood walls between I-680 and Jackson)



(Entrance to Dobern Bridge from Bambi lane)



(Looking downstream from Story Road)

## About the project

In 2002 the Santa Clara Valley Water District initiated work on a flood protection project along Lower Silver Creek, from Coyote Creek to Cunningham Avenue. After years of planning, design, and construction, the Santa Clara Valley Water District is excited to announce the completion of reaches 4 to 5b, I-680 to Story Road, of the Lower Silver Creek Flood Protection project. The work included the widening of the creek channel and the addition of concrete flood walls through the Dobern and Lyndale neighborhoods.

Noticeable features from the completed portions of reaches 4 to 5b include re-establishment of native grasses to minimize bank erosion, enhanced wetland habitat and vegetation plantings, the raising of the Dobern Pedestrian Bridge and the replacement of the Lyndale Pedestrian Bridge.

The completion of the upstream section of Story Road to Cunningham Ave (reaches 5c to 6) is expected by December 2017. When both sections of the project are completed, it will protect nearly 3,800 homes and business from a 100-year flood event.\*

\* A 100 year or one-percent flood event is a large and rare storm event which has a one-in-100 (one percent) chance of occurring in any given year.

For any questions or to RSVP, please contact:  
**Diego Barragan at (408) 630-3063 or**  
**at [dbarragan@valleywater.org](mailto:dbarragan@valleywater.org)**

For more information on the project or to sign up for project updates, please visit:  
**<http://www.valleywater.org/Services/LowerSilverCreek.aspx>**

## Acerca del proyecto

En 2002, el Distrito de Aguas del Valle de Santa Clara inició un proyecto de protección contra inundaciones a lo largo del arroyo Lower Silver Creek, desde Coyote Creek hasta Cunningham Avenue. Después de años de planificación, diseño y construcción, el Distrito de Aguas del Valle de Santa Clara se complace en anunciar la finalización de los tramos 4 a 5b, carretera 680 hasta Story Road, del proyecto de Protección contra Inundaciones de Lower Silver Creek. El trabajo incluyó la ampliación del canal de la quebrada y la adición de paredes de concreto contra inundación a lo largo de los vecindarios Dobern y Lyndale.

Las características notables de las porciones finalizadas de los tramos 4 a 5b incluyen el restablecimiento de pastos nativos para minimizar la erosión de los márgenes del arroyo, mejorar el hábitat de humedal y plantación de vegetación, elevación del puente peatonal Dobern y reemplazo del puente peatonal Lyndale.

La finalización de la sección aguas arriba de Story Road hasta Cunningham Ave. (tramos 5c a 6) se espera para diciembre de 2017. Cuando ambas secciones del proyecto hayan sido finalizadas, se protegerá a casi 3,800 hogares y negocios de un evento de inundación de 100 años.\*

\* Un evento de inundación de 100 años o uno por ciento es un evento de tormenta grande y raro cuya probabilidad de ocurrir es uno en 100 (uno por ciento) en cualquier año dado.

Para cualquier pregunta o para informarnos de su asistencia, por favor, póngase en contacto con:  
**Jose Villarreal at (408) 630-2879 or at**  
**[jvillarreal@valleywater.org](mailto:jvillarreal@valleywater.org)**

Para obtener más información sobre el proyecto o para inscribirse en las actualizaciones del proyecto, visite:  
**<http://www.valleywater.org/Services/LowerSilverCreek.aspx>**

## We are working in your neighborhood creek!

### Barron Creek Levee Repair

The Santa Clara Valley Water District will work in your neighborhood to repair an eroded levee along Barron Creek near Gunn High School in Palo Alto.

This project will repair 260 feet of eroded outboard levee. The repairs will strengthen the levee by leveling the edges to prevent seepage of water through the levee and help minimize flooding.

### What to expect

Work is expected to begin on June 19th and will take approximately 25 days to complete.\* Work hours are 8 a.m. to 4 p.m., Monday through Friday. In the unlikely event of delays, work hours may include Saturday.

A five-person crew will work at the project site using an excavator, dump trucks, crew trucks and a small loader. Expect typical construction noise during work hours from operating heavy equipment.

Trucks and crews will access the creek from the north end of the park on Laguna Avenue. The crews will use the Bol Park bike trail to access the project site. Expect no road or trail closures, but traffic control or flaggers may be needed at times during work for safety.

*\*Project start dates and duration may vary due to site conditions and equipment availability.*



### Contact us

Jay Lee  
(408) 630-2231  
JayLee@valleywater.org



For more information on the Stream Maintenance Program, scan the QR code or visit:

<http://valleywater.org/Services/StreamMaintenanceProgram.aspx>

## Santa Clara Valley Water District



5750 Almaden Expwy  
San Jose, CA 95118-3686  
[www.valleywater.org](http://www.valleywater.org)

### We speak your language

Si habla español y tiene preguntas sobre el contenido de este mensaje por favor de comunicarse con José Villarreal al [JVillarreal@valleywater.org](mailto:JVillarreal@valleywater.org) o (408) 630-2879.

Nếu bạn nói tiếng Việt và có thắc mắc về nội dung của thông báo này, xin vui lòng liên hệ với Triet Trinh tại [TTrinh@valleywater.org](mailto:TTrinh@valleywater.org) hoặc (408) 630-3211.

如果你說中文並對上述訊息有疑問，請聯繫 Jane Zhou, 電郵 [Jzhou@valleywater.org](mailto:Jzhou@valleywater.org), 或者電話 (408) 630-2631.

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Safe, Clean Water  
and Natural Flood Protection

Neighborhood Work | 2017

# Permanente Creek Flood Protection Project



Priority E: Provide flood protection to homes, businesses, schools and highways.

## McKelvey Park Detention Basin: Work activities in June and July

The Santa Clara Valley Water District continues construction on the flood detention basin project at McKelvey Park in Mountain View. This basin is one element of the larger Permanente Creek Flood Protection Project that will provide natural flood protection for approximately 2,200 properties in Mountain View and Los Altos. Upon completion and Federal Emergency Management Agency (FEMA) certification, the project will save residents thousands of dollars on flood insurance each year. Additional benefits include a new mini-park facility with playgrounds, new recessed ball fields with terraced bleachers, a new concession and scorekeeper's booth, new storage, new restrooms and a new community room.



The gold highlighted area indicates the location of the field closures starting July 1.

The red highlighted areas indicate the locations of the underground utility work expected from mid-April through September.

*\* Project start dates and duration may vary due to site conditions and equipment availability.*

## Park Drive closures in June and ball field closures starting July 1

In early June, the contractor began replacing a sewer line underneath Park Drive between Mountain View Avenue and Miramonte Avenue. Park Drive is temporarily closed during work hours, between 9 a.m. and 3 p.m. Monday through Friday, continuing through June 30. After work hours, Park Drive is reopened to two-way traffic. No street parking is available on Park Drive during the duration of the work.

Starting July 1, the Little Field at McKelvey Park will be closed to all park activities for public safety during construction. The Big Field is expected to be closed beginning July 10. During this time, the contractor will excavate the fields to create the main flood detention basin and build the recessed fields and terraced bleachers. The fields are expected to be reopened in spring of 2019.

Between June and early August, there is also PG&E utility relocation work along Miramonte that is a part of this project. The contractor is currently working with PG&E to coordinate construction activity. Once a construction schedule is set, residents will be notified of any utility outages.

For your safety, please follow all traffic control and other signage around the project site. Only authorized construction personnel are allowed on site.

The water district appreciates your patience during the construction. The water district and its contractors are working with the City of Mountain View to minimize disruptions as much as practical.

*continued on back »*

# Permanente Creek Flood Protection Project

The Permanente Creek Flood Protection Project will provide natural flood protection for more than 2,200 properties in Mountain View and Los Altos, and prevent potential damages in excess of \$48 million (1999 value). The project stretches along 10.6 miles of Permanente Creek, from San Francisco Bay's southwest shoreline through Mountain View to Foothill Expressway in Los Altos. The project includes four design features: floodwalls, channel widening and flood detention areas at Rancho San Antonio County Park and McKelvey Park.

## We speak your language

Si habla español y tiene preguntas sobre el contenido de este mensaje por favor de comunicarse con José Villarreal al [JVillarreal@valleywater.org](mailto:JVillarreal@valleywater.org) o (408) 630-2879.

Nếu bạn nói tiếng Việt và có thắc mắc về nội dung của thông báo này, xin vui lòng liên hệ với Triet Trinh tại [TTrinh@valleywater.org](mailto:TTrinh@valleywater.org) hoặc (408) 630-3211.

如果你說中文並對上述訊息有疑問,請聯繫 Jane Zhou, 電郵 [JZhou@valleywater.org](mailto:JZhou@valleywater.org), 或者電話:(408) 630-2631

## Your dollars at work

The project is funded by the countywide Safe, Clean Water and Natural Flood Protection Program parcel tax passed by voters in November 2012. The Permanente Creek Flood Protection Project is included under Priority E: Provide flood protection to homes, businesses, schools and highways.

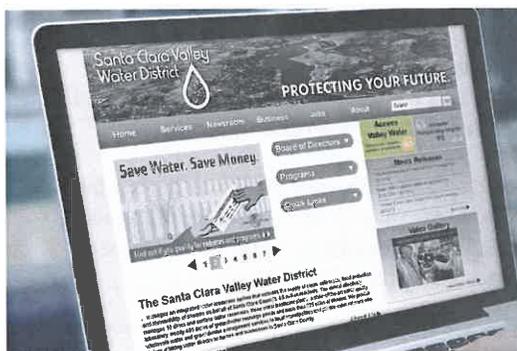
### 3 ways to get project updates

1. Visit [www.valleywater.org/services/PermanenteCreek.aspx](http://www.valleywater.org/services/PermanenteCreek.aspx)
2. Use Access Valley Water ([www.valleywater.org/avwapp/](http://www.valleywater.org/avwapp/)) to request project information or submit questions to the project team.
3. Sign up to receive project updates via email using the form on the website or using the QR code on the right.

Join our mailing list



Photo rendering of the future ball fields at McKelvey Park.



### CONTACT US

Kristen Yasukawa, public information representative  
 Santa Clara Valley Water District  
 (408) 630-2876  
[kyasukawa@valleywater.org](mailto:kyasukawa@valleywater.org)



Follow us on:



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# Rinconada Water Treatment Plant

## Get the latest on the project!

- Date:** Thursday, June 29, 2017
- Time:** 7 p.m. - 9 p.m.
- Place:** Rinconada Water Treatment Plant  
400 More Avenue  
Los Gatos, CA.
- RSVP:** [RSVP@valleywater.org](mailto:RSVP@valleywater.org)

The Reliability Improvement Project at the Rinconada Water Treatment Plant continues its second phase of work that will run through December.

This month, the Santa Clara Valley Water District invites you to hear details of the progress and get a sense of what's in store in the third of five planned phases that's scheduled to start this winter or early spring.

The project will ensure the more than 50-year-old facility continues to consistently and uninterruptedly fulfill its role as the sole provider of drinking water to Santa Clara County's west side by replacing or upgrading all major plant components. The work will also increase Rinconada's treatment capacity from 80 million gallons a day to 100 million gallons of water a day.



*Bird's-eye view of construction at the Rinconada plant.*



*Crews worked to smooth out the broken pavement along Granada Way, making it safe again for the neighborhood.*

## District completes road repairs

Granada Way, one of the streets approved by the town of Los Gatos as a construction vehicle route for entry to the Rinconada plant, underwent repairs last month to fix damage caused by truck traffic and make the road safer for all drivers.

The town's Public Works Department closed the street to construction vehicles May 12 for four days while crews fixed the broken pavement. Flaggers assisted other vehicles with maneuvering around the work as the district re-routed construction trucks to the gate on More Avenue.

The gate at Granada Way is once again open for use by construction vehicles. However, in response to residential requests, the district will work as much as possible to have contractors utilize the gate on More Avenue.

Following the project's anticipated completion in 2020, the district will restore all streets used for construction purposes to its pre-existing condition before the work began.

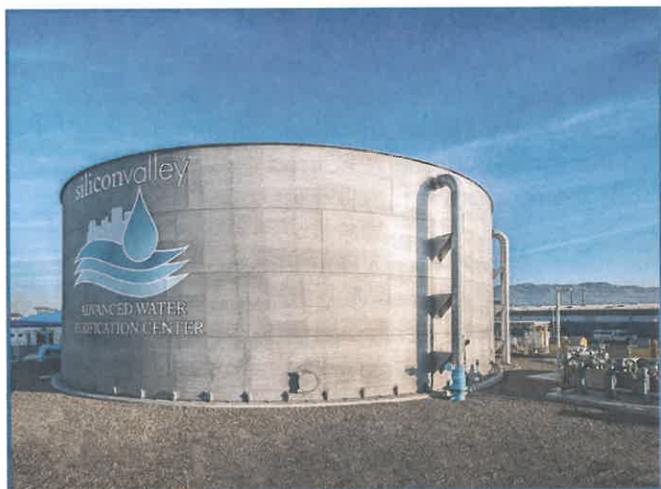
continued on back »

## Purified water is the wave of the future. Check out a tour today!

One of the most popular requests received by the water district are for tours of its treatment plants. Rinconada is still some time away from hosting tours, but you can still learn much about how the district operates by touring its newest facility.

The Silicon Valley Advanced Water Purification Center, located at 4190 Zanker Road, is a state-of-the-art facility that serves as the focal point of the district's recycled water expansion. It receives secondary-treated effluent from the neighboring San José-Santa Clara Regional Wastewater Facility and purifies it to a very high quality using a proven purification process that yields 8 million gallons a day of highly purified water.

It's easy to sign up for a tour! Contact Public Information Representative Jessica Vasquez at [jvasquez@valleywater.org](mailto:jvasquez@valleywater.org) or call 408-630-2960.



The purification center relies on microfiltration, reverse osmosis and ultraviolet disinfection to produce highly purified water.

## More about us

As the county's primary drinking water provider, the Santa Clara Valley Water District ensures the safety and abundance of drinking water.

We operate 10 reservoirs which catch local rainfall and we import water from the Sierra Nevada snowmelt through the Delta. Some of that water replenishes the underground aquifer for later pumping from wells and some goes to one of our three drinking water treatment plants.

Once we treat and test the water to meet all state and federal drinking water standards, we sell it to water retailers like the San Jose Water Company that resell it to individual homes and businesses.

The water district also has a major role in the stewardship of local water resources. We care for hundreds of miles of streams by removing invasive vegetation, repairing creek bank erosion, planting native vegetation and removing sediment that can impact the creek's ability to carry floodwaters during rainy months.

We also have many programs to reduce pollution and contamination in these waterways. Where the flood threat is significant, we undertake large construction projects such as building levees or replacing undersized bridges. Often, the water district can partner with a city or the county to open a trail or park alongside the creek, providing a recreational amenity for all to enjoy.



### CONTACT US

For more information, contact us at **(408) 630-2342** or by email at **[tmercado@valleywater.org](mailto:tmercado@valleywater.org)**. Or use our **Access Valley Water** customer request and information system at [valleywater.org](http://valleywater.org) to find out the latest information on district projects or to submit questions, complaints or compliments directly to a district staff person.

*Follow us on:*

 /scvwd  /valleywater  /valleywater





To get eNews, drop an email to: [info@valleywater.org](mailto:info@valleywater.org)

## Community Voices by John Varela: Fighting floods begins in the summer with local stream maintenance

*Published in the June 7 – June 20, 2017 issue of Morgan Hill Life*

*By John Varela*



John Varela

Every summer since 2001, the Santa Clara Valley Water District has undertaken a five-month-long effort to maintain and improve stream conditions so they can safely carry water during winter storms. From June to October, our crews trek into South Valley streams to remove sediment, manage vegetation, clear trash and debris, and stabilize banks that have been eroded during the winter.

During heavy storms, unruly vegetation and sediment washed down from areas upstream can restrict the flow of water and in some areas, cause a back-up, increasing the risk of flooding. Managing vegetation is an important part of stream maintenance. Removing invasive vegetation, weeds and dry brush improves habitat for wildlife and a healthy stream ecosystem, contributes to improved flows in creeks, and even reduces the risk of fire hazards along neighboring properties.

While the heavy work takes place in the summer, stream maintenance is a year-round effort. Each year district crews inspect stream and bank conditions, especially after storms. Toward the end of the rain season, staff identify maintenance projects for the upcoming work season. The water district's Stream Maintenance Program ensures flood protection projects continue to function as designed to protect homes and businesses along water district streams.

The water district owns 278 miles of streams in our county, but only a portion of them have been improved with flood protection projects. Those are the streams that get maintenance projects. Throughout the county, the water district works with partner agencies and private property owners to monitor creeks and perform maintenance where the water district either owns the land or has easements. Additionally, maintenance work is very limited on a natural channel, or a creek without a completed flood protection project. Without a completed project in place, work performed on a natural channel threatens both wildlife and properties, harming natural habitat by removing native vegetation and destroying habitat if enlarging the channel to increase the flood capacity. It could also redirect floods to another location downstream.

Limited maintenance like removing trash and debris is allowable, if approved by regulators. Each year the water district works on obtaining the necessary permits from regulatory agencies to proceed with labor on identified priority locations. The permits require the work be completed between the months of June through October.

This work season, the water district has identified more than 400 projects along water district facilities among 63 different streams, consisting of 16 sediment removal projects, 17 stream bank repairs, and hundreds of vegetation management projects. We are also working with our regional partners to identify projects in which they can perform maintenance on their portions of streams that they own. If you own property along a creek and have questions or concerns regarding stream maintenance, contact our Community Projects Review Unit at (408) 630-2650.

The water district acknowledges the community's role in helping us keep homes and businesses safe. We are grateful for the residents and business owners who have reported potential blockages in our waterways. We continue to encourage reporting of concerns or issues in creeks that can affect the flow of stormwater.

If you notice something blocking a stream during a storm, call our flood hotline at (408) 630-2378. You can also report any problems with creeks in our service area to our "Access Valley Water" online customer request and information system.

*John Varela is the chairman of the board for the Santa Clara Valley Water District and represents District 1, which includes Morgan Hill, San Martin and Gilroy.*

<http://morganhilllife.com/community-voices-john-varela-fighting-floods-begins-summer-local-stream-maintenance/>

Times Feature

**Heroes**

*Continued from page 14*

just the scratch on the proverbial surface of what is being done in our county, city and state.

Hansen is Chief Assistant County Counsel, overseeing a wide array of projects and initiatives for the County Counsel's Office. Her practice focuses on public policy and litigation seeking to advance the County's goal of securing social and economic justice for all of its residents. She has been one of the lead public lawyers in *People v. Atlantic Richfield Co.*, a case that resulted in a \$1.15 billion judgment dedicated to the abatement of lead paint, which continues to poison thousands of low-income children in California each year. She also successfully sued the State to preserve tens of millions of dollars in funding for mental health services for emotionally disturbed children within Santa Clara County. She has done a myriad of other things with her skills and knowledge including frequently lecturing at Stanford Law School and Stanford medical School under which students develop legislative and policy initiatives to advance the wellbeing of County residents. She has served as counsel to the County's Behavioral Health Services Department, Office of Supportive Housing, Office of Data Oversight Management and Evaluation, Human Trafficking Commission, Juvenile Justice Commission and County office of Education. Last year she received the New Leaders Council of Silicon Valley trailblazer of the Year Award.

With all those qualifications Hansen choose to help our County by leading various policy initiatives including the county's two Pay for Success initiatives. By having our County work with such a person we grow in learning new ways to better assist those with behavior health needs.

What was nice in hearing her interact with others is that she is seen to be kind and caring and willing to take precious time stopping and humbly listen to those who wish to ask her help or share actual issues they have experienced with the Pay for Success initiative and other County programs. Thus, she is graceful in how she acts and how she talks with all people of all strata's of our society.

**New winds of change**

Hansen and others have chosen public service as their calling and it is intellectually refreshing to understand that such a person can join with others in her groups to enact robust change for our society. They do not accept the status quo. They use facts and data to shape new ways to work with old chronic problems dealing with behavior health and other important issues. Flow charts with actual data of behavior results combined with colorful PowerPoint graphics now depict progress instead of the leaning on words. The aftermath of treatment or monies bestowed to programs are analyzed in great detail so that monies are efficiently spent.

**Philanthropist organizations pitch in**

Hansen and others also harness key players with familiar names in our world to help bring more monies into the important world of engineering social programs that will work. With pragmatic innovation and with encouragement by Mayor Liccardo and others, such companies it was explained team together in offering monies to incentivize agencies with extra rewards for success in helping clients succeed. All things are set up in precise ways dealing with human interaction to stem the tide of negative behavior choices.

**Six agencies bestowed Hero Award (in alphabetical order)**

Each of these agencies deserve a full page informational, it is suggested the reader web search them to learn more

- Boldly Me
- County of Santa Clara Adult Probation Wellness Unit
- Eating Disorders Resource Center
- National Alliance on Mental Illness (NAMI) Santa Clara County
- New Directions Program-Peninsula Healthcare Connection
- Recovery Cafe – San Jose

**Heroes all work together**

This title includes you too, the general public. You are heroes too! Each year we have this event and we wish to get public input to help us to do it better. All the general public is invited to this event. The heroes all work together to help those with behavioral challenges in our county, city, state and U.S.A. Heroes are volunteers, police and sheriff officers, doctors, leaders of churches, support people and more.

(In alphabetical order:)

Steven Adelstein, Jesse Ashe, Jennifer Barry, Kristopher Borar, Phil Campey, James Cooper, Patti Cortese, Robert Dolci, Jon Forward, Terry Gallo, Lee Hickinbotham, Kirt Hogan, Nicolas Jaramillo, Damon Korb, Andrew Lopez, Cindy McAlmont, Susie Martin, Hilbert Morales, Robert Nanez, Gail A. Price, Raul Berdez, Sherri Sager, Heiri Schuppisser, Robert Taylor, Juan De Dios Tovar, Coralia Valdez, Marianna Villaestaca, Shelly Viraumontez

**The Santa Clara County is striving to be the best in our world**

The annual Heroes Award program was well done. The services we provide to the mental health needs of people are strong. As a team we work together to make some positive changes to get more of our community involved. It takes mind body and soul of each person to make a difference in the community. A little time can make a big difference. If you can help someone or something each day, it is like what Mother Teresa said, "if you cannot feed one hundred people, then feed one."

**About Robert Gill**

Robert "Bob" Gill is currently a Santa Clara County Behavior Health Board Member and Housing Commissioner, Art Commissioner, Former Disability Commissioner, Former Senior Board Commissioner and a humble servant of the Sikh Gurbwara, San Jose, California. You are welcome to email me if you have any suggestions: bobgill-cars@gmail.com

**Fighting flood waters begins in the summer with stream maintenance**

By Linda J. LeZotte  
*Special to the Times*

The Santa Clara Valley Water District's Stream Maintenance Program ensures flood protection projects continue to function as designed to protect homes and businesses along water district streams.

The water district owns 278 miles of streams in our county, but only a portion of them have been improved with flood protection projects. Those are the streams that become stream maintenance projects

Every summer since 2001, the water district has undertaken a five-month-long effort to maintain and improve our stream conditions so they can safely carry water during winter storms. From June to October, our crews trek into streams to remove sediment, manage vegetation, clear trash and debris, and stabilize banks that have been eroded.

During heavy storms, unruly vegetation and sediment washed down from areas upstream can restrict the flow of water and in some areas, cause a back-up, increasing the risk of flooding. Managing vegetation is an important part of stream maintenance. Removing invasive vegetation, weeds and dry brush improves habitat for wildlife and a healthy stream ecosystem, contributes to improved flows in creeks, and even reduces the risk of fire hazards along neighboring properties.

While the heavy work takes place in the summer, stream maintenance is a year-round effort. Each year district crews inspect stream and bank conditions, especially after storms. Toward the end of the rain season, staff identifies maintenance projects for the upcoming work season.

Throughout the county, the water district works with partner agencies and private property owners to monitor creeks and perform maintenance where the water district either owns the land or has easements. Additionally, maintenance work is very limited on a natural channel, or a creek without a completed flood protection project. Without a completed project

in place, work performed on a natural channel threatens wildlife and properties, harming natural habitat by removing native vegetation and destroying habitat if enlarging the channel to increase the flood capacity. It could also redirect floods to another location downstream. Limited maintenance like removing trash and debris is allowable, if approved by regulators. Each year the water district works on obtaining the necessary permits from regulatory agencies to proceed with labor on identified priority locations. The permits require the work be completed between the months of June through October.

This work season, the water district has identified over 400 projects along water district facilities among 63 different streams, consisting of 16 sediment removal projects, 17 stream bank repairs,

and hundreds of vegetation management projects, including an invasive plant removal on Coyote Creek. We are also working with our regional partners, like the City of San Jose, to identify projects in which they can perform maintenance on their portions of streams that they own. If you own property along a creek and have questions or concerns regarding stream maintenance, please feel free to contact our Community Projects Review Unit at 408-630-2650.

The water district and I appreciate the community's role in helping us keep homes and businesses safe. I am grateful for the residents and business owners who have reported potential blockages in our waterways. I continue to encourage reporting of concerns or issues in creeks that can affect the flow of storm water.

If you notice something blocking a stream during a storm, call our flood hotline at (408) 630-2378. We will assist you or direct you to the appropriate agency having jurisdiction.

As always, I am available for questions or comments as your District 4 representative for North Almaden and Blossom Hill neighborhoods of San Jose. Feel free to contact me at (408)265.2600.



**Water District**  
Linda J. LeZotte,  
SCVWD Representative

**A.S.I.N JOSE LOUNGE for CATS**

The Dancing Cat is a comfortable living room-like environment where adorable adoptable cats roam free waiting to meet you. If you're a cat lover looking for a charming place to hang out, study, or just play with cats, come visit!

*the dancing cat*

- Wifi at no charge
- Snacks to purchase (or bring your own)
- \$10 admission donation

www.thedancingcat.org Phone: (408) 459-9644  
702 E. Julian Street • San Jose, CA 95112

## The Graduate... continued from page 1

endearing and the audience roots for her. She has an additional scene (that was not in the movie) at the conclusion of the play. I felt that the costumer failed Ms. Skinner as her clothes are not very attractive.

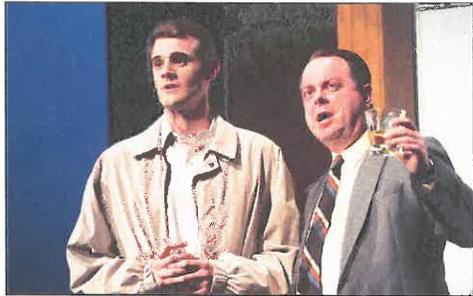
In the supporting roles of the parents are Shawn Bender and Raegen Raymond-Brunker as Benjamin's parents and Mark Novak as Mr. Robinson. All are strong actors, but Ms. Brunker is a delight to watch. She adds her unique personality to making her character special.

Adam Currier, Karen Sanders and Tom Farley complete the cast, playing various characters along the journey. They all fulfill their assignments.

The set is simple, as it has to play all of the many scenes. Director Smith has choreographed the set changes to a minimum so they do not detract from the action.

There is not much substance to the plot, but neither was the movie. The original film was so well-directed by Nichols that it was better than the script, and, of course, it had a wonderful soundtrack.

This production does use snippets of music from the film, adding to the enjoyment. Film lovers will appreciate this production, and everyone else will be entertained. For tickets, call (650) 329-0891.



Mr. Robinson (Mark Novak) advises Benjamin (Max Tachis) on his future. Photo credit: Joyce Goldschmid



Betsy Kruse Craig as Mrs. Robinson.



### Silicon Valley Animal Control Authority



Howdy there, Ava here! I'm a very outgoing and sweet gal who hopes to find her forever family soon. Want to go for a walk around the neighborhood? Yippee! Time to relax on the couch and watch a movie? I'm right there with ya! Please come down to meet me and we can get acquainted!



Hello, hi, hello, it's great to meet you - I'm Ariel! I play, play, play all day with my roomies. It's been fun but I just know my awesome and loving fur-ever home is out there! You can hear my loud purr from across the room. I am special and I know it!

For more information call 408-764-0344  
or visit [www.svaca.com](http://www.svaca.com).

## Sunday Concert Series Comes to the Ainsley House

A Sunday Concert Series is coming to the Ainsley House starting on Sunday, August 27. This is a great way to spend a late summer and fall Sunday afternoon. The Concert Series is a joint production between the Campbell Museums and the SJG School of Music. The series will run for three Sundays: August 27, September 24, and October 29<sup>th</sup> with the Ainsley House open from 12-4pm, and the live music playing from 2:00-3:15pm. Admission will be \$20/adult and will include live music in the Carriage House, light appetizers, wine from local participating wineries, and an unguided walk through of the historic Ainsley House. Youth (17 years old and younger) are free, with kids crafts and activities provided. Tickets will be available starting July 1 at [www.campbellmuseums.com](http://www.campbellmuseums.com) or at the Ainsley House.

The featured musical groups are as follows:

### August 27th

Join guitarist Chris Shahin as he performs an eclectic instrumental mix of guitar styles drawing from jazz, blues, country and classical.

Chris will be performing some classic songs mixed with

his original compositions. Joining will be esteemed bassist Perry Thoorsell and powerhouse drummer Jemal Ramirez. This is a must-see fun family-friendly show!

### September 24th

The Heavenly Sounds Double Bill! Join the Lady Guitar Duo Fingers as they play an exotic and dreamy mix of Spanish and South American guitar duets. Headlining the bill is top-notch, first-call, harpist Dan Levitan, who performs regularly with Santa Rosa Symphony, Marin Symphony, and the Symphony Silicon Valley in San Jose. This is rare opportunity for you to hear the amazing sounds of the harp in this intimate setting.

### October 29th

Join vocalist Amy Dabalos, guitarist Mason Razavi, and a rhythm section of top Bay Area players for a program of jazz standards by celebrated composers Cole Porter, Rodgers and Hart, George and Ira Gershwin, Jerome Kern, and others arranged by Razavi. The Great American Song Book at its finest!

About the Campbell Museums

## Fighting floods begins in the summer with stream maintenance

by Linda J. LeZotte, Director District 4, Santa Clara Valley Water District

The Santa Clara Valley Water District's Stream Maintenance Program ensures flood protection projects continue to function as designed to protect homes and businesses along water district streams. The water district owns 278 miles of streams in our county, but only a portion of them have been improved with flood protection projects. Those are the streams that become stream maintenance projects.

Every summer since 2001, the water district has undertaken a five-month-long effort to maintain and improve our stream conditions so they can safely carry water during winter storms. From June to October, our crews trek into streams to remove sediment, manage vegetation, clear trash and debris, and stabilize banks that have been eroded.

During heavy storms, unruly vegetation and sediment washed down from areas upstream can restrict the flow of water and in some areas, cause a back-up, increasing the risk of flooding. Managing vegetation is an important part of stream maintenance. Removing invasive vegetation, weeds and dry brush improves habitat for wildlife and a healthy stream ecosystem, contributes to improved flows in creeks, and even reduces the risk of fire hazards along neighboring properties.

While the heavy work takes place in the summer, stream maintenance is a year-round effort. Each year district crews inspect

stream and bank conditions, especially after storms. Toward the end of the rain season, staff identifies maintenance projects for the upcoming work season.

Throughout the county, the water district works with partner agencies and private property owners to monitor creeks and perform maintenance where the water district either owns the land or has easements. Additionally, maintenance work is very limited on a natural channel, or a creek without a completed flood protection project. Without a completed project in place, work performed on a natural channel threatens wildlife and properties, harming natural habitat by removing native vegetation and destroying habitat if enlarging the channel to increase the flood capacity. It could also redirect floods to another location downstream. Limited maintenance like removing trash and debris is allowable, if approved by regulators. Each year the water district works on obtaining the necessary permits from regulatory agencies to proceed with labor on identified priority locations. The permits required for the work to be completed between the months of June through October.

This work season, the water district has identified over 400 projects along water district facilities among 63 different streams, consisting of 16 sediment removal projects, 17 stream bank repairs, and hundreds of

The Campbell Museums are owned and operated by the City of Campbell. The Campbell Museums consists of the Campbell Historical Museum and the Ainsley House. The Museums interpret the history of the Campbell area from its pioneer beginnings through today and relates that history within the broader context of the Santa Clara Valley and encompassing region. [www.campbellmuseums.com](http://www.campbellmuseums.com)

About the SJG School of Music

SJG School of Music is the leading music school offering private and group music lessons in Campbell and San Jose for students of all ages and abilities. Chris Shahin is the founder and musical director of SJG Music School. He has been a guitar teacher in the San Jose area for over 25 years and is the director of the SJG Rock Workshop program. SJG School of Music was created by and for people who love music and want to develop as musicians, song writers and performers. The school offers music lessons to students in a variety of instruments. For more information: <https://sjgschoolofmusic.com/>

vegetation management projects, including an invasive plant removal on Coyote Creek. We are also working with our regional partners, like the City of San Jose, to identify projects in which they can perform maintenance on their portions of streams that they own. If you own property along a creek and have questions or concerns regarding stream maintenance, please feel free to contact our Community Projects Review Unit at (408) 630-2650.

The water district and I appreciate the community's role in helping us keep homes and businesses safe. I am grateful for the residents and business owners who have reported potential blockages in our waterways. I continue to encourage reporting of concerns or issues in creeks that can affect the flow of stormwater.

If you notice something blocking a stream during a storm, call our flood hotline at (408) 630-2378. You can also report any problems with creeks in our service area to our "Access Valley Water" online customer request and information system. We will assist you or direct you to the appropriate agency having jurisdiction.

As always, I am available for questions or comments as your District 4 representative for the City of Campbell, portions of Willow Glen and the Cambrian, North Almaden and Blossom Hill neighborhoods of San Jose. Feel free to contact me at (408) 265-2600.



<https://mv-voice.com/print/story/print/2017/06/16/guest-opinion-fighting-floods-begins-now-with-stream-maintenance>

Opinion - June 16, 2017

## Guest opinion: Fighting floods begins now with stream maintenance

by Gary Kremen

Every summer since 2001, the Santa Clara Valley Water District has undertaken a five-month-long effort to maintain and improve stream conditions so they can safely carry water during winter storms. From June to October, our crews trek into streams to remove sediment, manage vegetation, clear trash and debris, and stabilize banks that have been eroded.

During heavy storms, unruly vegetation and sediment washed down from areas upstream can restrict the flow of water and, in some areas, cause a back-up, increasing the risk of flooding. Managing vegetation is an important part of stream maintenance. Removing invasive vegetation, weeds and dry brush improves habitat for wildlife and a healthy stream ecosystem, contributes to improved flows in creeks, and even reduces the risk of fire hazards along neighboring properties.

While the heavy work takes place in the summer, stream maintenance is a year-round effort. Each year district crews inspect stream and bank conditions, especially after storms. Toward the end of the rain season, members of the staff identify maintenance projects for the upcoming work season.

The water district's Stream Maintenance Program ensures flood protection projects continue to function as designed to protect homes and businesses along water district streams. These projects remove homes and businesses from FEMA-designated flood zones, and in addition to flood risk-reduction activities, save residents countywide over \$2 million in flood insurance premiums each year. The water district owns 278 miles of streams in our county, but only a portion of them have been improved with flood protection projects. Those are the streams that get maintenance projects.

Throughout the county, the water district works with partner agencies and private property owners to monitor creeks and perform maintenance where the water district either owns the land or has easements.

Additionally, maintenance work is very limited on a natural channel, or a creek without a completed flood protection project. Without a completed project in place, work performed on a natural channel threatens both wildlife and properties, harming natural habitat by removing native vegetation and destroying habitat if enlarging the channel to increase the flood capacity. It could also redirect floods to another location downstream.

Limited maintenance such as removing trash and debris is allowable, if approved by regulators. Each year the water district works on obtaining the necessary permits from regulatory agencies to proceed with labor on identified priority locations. The permits require that the work be completed between the months of June through October.

This work season, the water district has identified over 400 projects affecting 63 streams, including 16 sediment-removal projects and 17 stream bank repairs. The hundreds of vegetation management projects include invasive-plant removal on Coyote Creek.

We are also working with our regional partners, such as the city of San Jose, to identify projects in which they can perform maintenance on portions of streams that they own. If you own property along a creek and have

questions or concerns regarding stream maintenance, you can contact our Community Projects Review Unit at 408-630-2650.

Water district officials acknowledge the community's role in helping us keep homes and businesses safe. We are grateful for the residents and business owners who have reported potential blockages in our waterways. We continue to encourage reporting of concerns or issues in creeks that can affect the flow of storm water.

If you notice something blocking a stream during a storm, call our flood hotline at 408-630-2378. You can also go online to report any problems with creeks in our service area through our Access Valley Water link at [valleywater.org](http://valleywater.org). We will assist you or direct you to the appropriate agency having jurisdiction.

**Santa Clara Valley Water District director Gary Kremen submitted this column on behalf of the district.**



## Fighting floods begins with stream maintenance: Other Voices (/news/sections/comment/257-other-voices/55617-)

Published: 28 June 2017 Written by Gary Kremen

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This work season, the water district has identified more than 400 projects along water district facilities on 63 different streams, including 16 sediment removal projects, 17 stream bank repairs and hundreds of vegetation management projects.

If you own property along a creek and have questions or concerns regarding stream maintenance, call the water district's Community Projects Review Unit at (408) 630-2650.

If you notice something blocking a stream during a storm, call our flood hotline at (408) 630-2378.

Gary Kremen is a Santa Clara Valley Water District director representing District 7, which includes Los Altos and Los Altos Hills. For more information, email [gkremen@valleywater.org](mailto:gkremen@valleywater.org) (<mailto:gkremen@valleywater.org>).

### TOWN CRIER POLL

#### WHAT DO YOU THINK OF A SKATE PARK IN LOS ALTOS?

- Yes – how about Lincoln Park?
- Sure, but somewhere other than Lincoln
- A bad idea - it won't work anywhere

VOTE

[View details \(/component/mijopolls/poll/18-what-do-you-think-of-a-skate-park-in-los-altos\)](#)

TO: Board of Directors

FROM: Garth Hall

SUBJECT: Algal Bloom at San Luis Reservoir and Taste  
and Odor from South Bay Aqueduct

DATE: July 5, 2017

---

**Algal Toxins at Danger Level:** On June 30, 2017, the Department of Water Resources (DWR) issued a notice that people should stay out of the water at San Luis Reservoir until further notice and avoid eating fish from the reservoir due to a bloom of blue-green algae (cyanobacteria) at the reservoir. DWR's routine sampling at the Basalt Boat Launch found microcystins at 25.8 micrograms per liter, a level that prompted danger signs to be posted at the reservoir (Attachment 1).

San Luis Reservoir has been used as the source water for the District's Rinconada and Santa Teresa water treatment plants for most of this year with the South Bay Aqueduct (SBA) out of service from the Penitencia Delivery Main/Penitencia Force Main Seismic Retrofit Project which includes replacing a section of the SBA. The District's cyanotoxin monitoring program has not detected microcystins in the source or treated drinking water year-to-date. Source water for the treatment plants is drawn from a deep intake in San Luis Reservoir and the District's water treatment plants are effective at removing algal toxins.

**Taste & Odor from SBA:** After being offline for over 8 months, DWR will start filling the SBA pipeline on Wednesday, July 5, 2017. If all goes well, the Penitencia Water Treatment Plant will start up on Friday, July 7, 2017 using SBA water, and sometime next week SBA flows will ramp up for groundwater recharge as well as become part of the blend of source water for the Rinconada Water Treatment Plant. The drought and wet winter have created conditions ripe for algal blooms and SBA is experiencing one of the worst taste and odor episodes in recent years. Though the section of the SBA serving the District has been offline, SBA upstream of the District has been in service serving the Alameda County Water District and Zone 7 Water Agency. Both agencies have received customer complaints the last couple of weeks from the musty/earthy taste and odor imparted by geosmin, an algae metabolite (Attachment 2).

Penitencia and Rinconada are gearing up for treating SBA water expected to have varying levels of taste and odor through the summer months. Penitencia has ozone and advanced oxidation which can achieve over 90% removal for taste and odor compounds. Rinconada uses powdered activated carbon which has limited effectiveness in removing compounds like geosmin. Staff is working with communications to get the word out on District blog and Next Door postings about the potential taste and odor from geosmin before the water reaches homes and businesses. Customers and retailers prefer to be notified in advance of any potential taste and odor events. Taste and odor are aesthetic in nature; tap water will remain safe to drink.



Garth Hall  
Acting Chief Operating Officer  
Water Utility Enterprise

Attachment 1: June 30, 2017 DWR News Release

Attachment 2: June 30, 2017 East Bay Times News "Why does water suddenly taste bad in parts of the East Bay?"

cc: A. Cheung



CALIFORNIA DEPARTMENT OF WATER RESOURCES

## NEWS FOR IMMEDIATE RELEASE

June 30, 2017

**Contact:**

**Doug Carlson (916) 653-5114**

Information Officer

**Ted Thomas (916) 653-9712**

Information Officer

### San Luis Reservoir Algal Bloom Now at 'Danger' Level Public Urged To Avoid Water Contact, Not Eat Fish

**SACRAMENTO** – The Department of Water Resources (DWR) said today that people should stay out of the water at San Luis Reservoir in Merced County until further notice and avoid eating fish from the reservoir due to the presence blue-green algae (cyanobacteria).

The blue-green algae advisory level at the reservoir today was increased from “warning” to “danger.” The advisory does not apply to O’Neill Forebay.

The recommendation is based on the potential health risks from the algae. Water sampled on June 26 at the Basalt Boat Launch site at San Luis Reservoir contained 25.8 micrograms per liter of microcystins, a level that prompts danger signs to be posted at the reservoir.

Bloom conditions can change rapidly, and wind and waves may move or concentrate the bloom into different regions of the reservoir. Warning signs have been posted at the Basalt Boat Launch, which is at the southeast corner of the reservoir.

The algae bloom can appear as blue-green, white or brown foam, scum or mats that can float on the water’s surface and accumulate along the shoreline and boat ramp area.

Recreational exposure to toxic blue-green algae can cause eye irritation, allergic skin rash, mouth ulcers, vomiting, diarrhea, and cold and flu-like symptoms. Pets can be especially susceptible because they tend to drink while in the water and lick their fur afterwards.

The [Statewide Guidance on Cyanobacteria and Harmful Algal Blooms](#) recommends the following for waters impacted by blue-green algae:

- Take care that pets and livestock do not drink the water, swim through algae, scums or mats or lick their fur after going in the water. Rinse pets in clean water to remove algae from fur.
- Avoid wading, swimming or jet or water skiing in water containing algae blooms or scums or mats.

- Do not drink, cook or wash dishes with untreated surface water from these areas under any circumstances; common water purification techniques such as camping filters, tablets and boiling do not remove toxins.
- People should not eat mussels or other bivalves collected from these areas. Limit or avoid eating fish from these areas; if fish are consumed, remove the guts and liver, and rinse filets in clean drinking water.
- Get medical treatment immediately if you think that you, your pet or livestock might have been poisoned by blue-green algae toxins. Be sure to alert the medical professional to the possible contact with blue-green algae. Also, make sure to contact the local county public health department.

For more information, please visit:

California Department of Public Health:

<http://www.cdph.ca.gov/healthinfo/environhealth/water/Pages/Bluegreenalgae.aspx>

State Water Resources Control Board - California CyanoHAB Network:

[http://www.mywaterquality.ca.gov/monitoring\\_council/cyanohab\\_network/index.html](http://www.mywaterquality.ca.gov/monitoring_council/cyanohab_network/index.html)

CA Office of Environmental Health Hazard Assessment: Information on Microcystin

<http://oehha.ca.gov/ecotoxicology/general-info/information-microcystins>

US Environmental Protection Agency: CyanoHAB website

<https://www.epa.gov/nutrient-policy-data/cyanoHABs>

US Environmental Protection Agency: Anatoxin-a report

<https://www.epa.gov/sites/production/files/2015-06/documents/anatoxin-a-report-2015.pdf>

#####

Every Californian should take steps to conserve water. Find out how at [SaveOurWater.com](http://SaveOurWater.com).



News

## Why does water suddenly taste bad in parts of the East Bay?



Denis Cuff

Tri Valley water officials are recommending people cool tap water and try it with a slice of lemon to improve the taste.

By **DENIS CUFF** | [dcuff@bayareanewsgroup.com](mailto:dcuff@bayareanewsgroup.com) | Bay Area News Group

PUBLISHED: June 29, 2017 at 1:51 pm | UPDATED: June 30, 2017 at 9:48 am

LIVERMORE — Algae blooms related to a cycle of drought and wet winter has brewed taste and odor problems in drinking water for 220,000 people in the Tri Valley.

The water is safe to drink, but its musty taste is making the water less pleasing to the palate of many people in Livermore, Pleasanton, Dublin and part of San Ramon, the Alameda County Zone 7 Water Agency reported this week.

Officials blame the problem on Mother Nature. Nutrients built up on the ground during years of drought and then heavy storms last winter washed them into rivers, lakes and reservoirs. This created ideal conditions for algae to rapidly multiply during hot summer weather.

“This is the worst algae bloom we have seen in several years,” said Jill Duerig, general manager of the water agency, which treats and supplies Delta water to local water retail agencies in the for communities. “It seems complaints have been really increasing over the past couple weeks.”

Tri-Valley water consumers are making an unusually high number of complaints about taste to local water departments that get their wholesale supplies from Zone 7 and then sell it to local households and businesses.

The Dublin San Ramon Services District received 38 taste and odor complaints between June 16 and Wednesday. The district typically gets no more than one or two complaints a month, said Renee Olson, a district spokeswoman.

In Pleasanton, the city’s operation services department has received about 120 phone calls and five emails in the past week about taste, said Tracy Dunne, a city spokeswoman.,

While the water is treated to meet all health standards, officials said, the algae has compounds such as geosmin that can be tasted at extremely low levels. Just a teaspoon of geosmin can be smelled in a lake holding as much water as 200 Olympic sized swimming pools, officials said.

Triple-digit high temperatures in the past two weeks accelerated the algae production.

Zone 7 is adding to powdered activated carbon at treatment plants reduce the taste problems, but that has only minimal effectiveness, said Duerig of Zone 7.

The agency’s advice to consumers: Chill tap water and try it with a slice of lemon to mask the poor taste.

Zone 7 has a \$30 million plan for upgrades at two treatment plants to add ozone gas to break up smelly compounds. However, those plans are at least two to three years off, agency officials say.

Many other water suppliers, including the Concord-based Contra Costa Water District, use ozone gas as a disinfectant to minimize taste and odor problems with Delta water. Ozone also is effective at reducing concentrations of cancer-causing trihalomethanes, compounds that form when chlorine combines with organic material in water.

---

Tags: [Drought](#), [Environment](#), [water](#)



**Denis Cuff** Denis Cuff covers environmental, water, and outdoor recreation news for the Bay Area News Group. A graduate of Stanford University with a B.A. in communications, he enjoys hiking and cycling in his spare time.

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BY BROADLY



# MEMORANDUM

FC 14 (01-02-07)

**TO:** Board of Directors

**FROM:** Garth Hall

**SUBJECT:** Metropolitan Water District of Southern California White Paper on California WaterFix Infrastructure

**DATE:** July 7, 2017

---

The Metropolitan Water District of Southern California recently released the first of three policy white papers it prepared for its Board of Directors on the proposed California WaterFix. The first paper describes the planned facilities, governance structure, current cost estimates, implementation schedule, and approach to managing and mitigating project risks. Subsequent policy papers will discuss operations and financing/cost allocations. Attached are the cover materials and summary of the first paper. The full document is available at the following link:

[http://www1.mwdh2o.com/DocSvcsPubs/WaterFix/assets/cawaterfix\\_infrastructure\\_070317a\\_final\\_submit.pdf](http://www1.mwdh2o.com/DocSvcsPubs/WaterFix/assets/cawaterfix_infrastructure_070317a_final_submit.pdf)

A handwritten signature in blue ink, appearing to read "Garth Hall", is written over a horizontal line.

Garth Hall  
Acting Chief Operating Officer, Water Utility Enterprise

Attachment 1: Infrastructure white paper cover material

# MODERNIZING THE SYSTEM: CALIFORNIA WATERFIX INFRASTRUCTURE

The first in a series of three policy papers prepared for the consideration of Metropolitan’s Board of Directors in advance of planned summer meetings and decisions in Fall 2017.

Modernizing and improving California’s water system is essential for the reliable delivery of water supplies to much of the state. About 30 percent of the water that flows out of taps in Southern California homes and businesses comes from Northern California watersheds and flows through the Sacramento-San Joaquin Delta. But the Delta’s declining ecosystem and 1,100 miles of levees are increasingly vulnerable to earthquakes, flooding, saltwater intrusion, climate change and further environmental degradation.

California WaterFix is the product of more than a decade of review, planning, and rigorous scientific and environmental analysis by water experts, engineers and conservationists, as well as unprecedented public comment. The proposed project will improve the security of our water system by fixing aging infrastructure and constructing new, state-of-the-art facilities using innovative technologies and engineering practices. Significant planning work for the design and construction of the project has been performed by the state, water agencies, and construction and engineering firms, which have determined the project is buildable. Details of the project features, actions to address public comment, risk management, schedule projection and cost estimates are addressed in a new white paper and summarized below.



## Approach to Design & Construction



### An extensive planning process evaluated various alignments, facility configurations and system options.

- The system would be capable of diverting up to 9,000 cubic feet-per-second from the Sacramento River and capturing additional wet period water supplies after all environmental flow and water quality criteria are met.
- Proposed construction plans, including the use of dual 40-foot diameter tunnels, is well within common practices in the engineering construction industry and will provide operational redundancy.

### Specific steps were taken during the design effort to reduce or eliminate the impact of the new facilities on the environment and Delta communities. As a result of input during the environmental planning process, the following changes were made:

- Reduced size of overall project
- Expanded use of tunnels for conveyance
- Revised tunnel alignment
- Reduced size and location of intermediate forebay
- Reduced pumping requirements
- Reduced construction impacts along Sacramento River

## Key Project Features



### DUAL CONVEYANCE:

A flexible dual intake system will deliver water to state and federal pumping plants in the south Delta. New intakes farther upstream will reduce overall adverse environmental impacts on the Delta and provide higher quality water to water contractors' service areas.

### MODERNIZED FACILITIES:

The existing system will be modernized with new facilities, equipment and technologies. State-of-the-art fish screens and intake structures will reduce harm to fish.

### OPERATIONAL FLEXIBILITY:

The new intake facilities will work in conjunction with the existing south Delta intake system, delivering water from just one system or both, depending on fishery and water quality conditions. Dual intakes will provide greater flexibility to protect fish when they are present.

### OPERATIONAL EFFICIENCY:

Gravity-fed tunnels will move water more naturally and efficiently. This will simplify overall operations and reduce long-term system and maintenance costs.

### MAXIMIZES THE USE OF PUBLIC LANDS:

The project alignment uses more public lands, reducing the impact to private property and agriculture.

### REDUCED ENVIRONMENTAL FOOTPRINT:

The proposed water facilities and operations have a greatly reduced project footprint compared to earlier proposals. This will reduce community impacts.

### OTHER ENVIRONMENTAL CONSIDERATIONS:

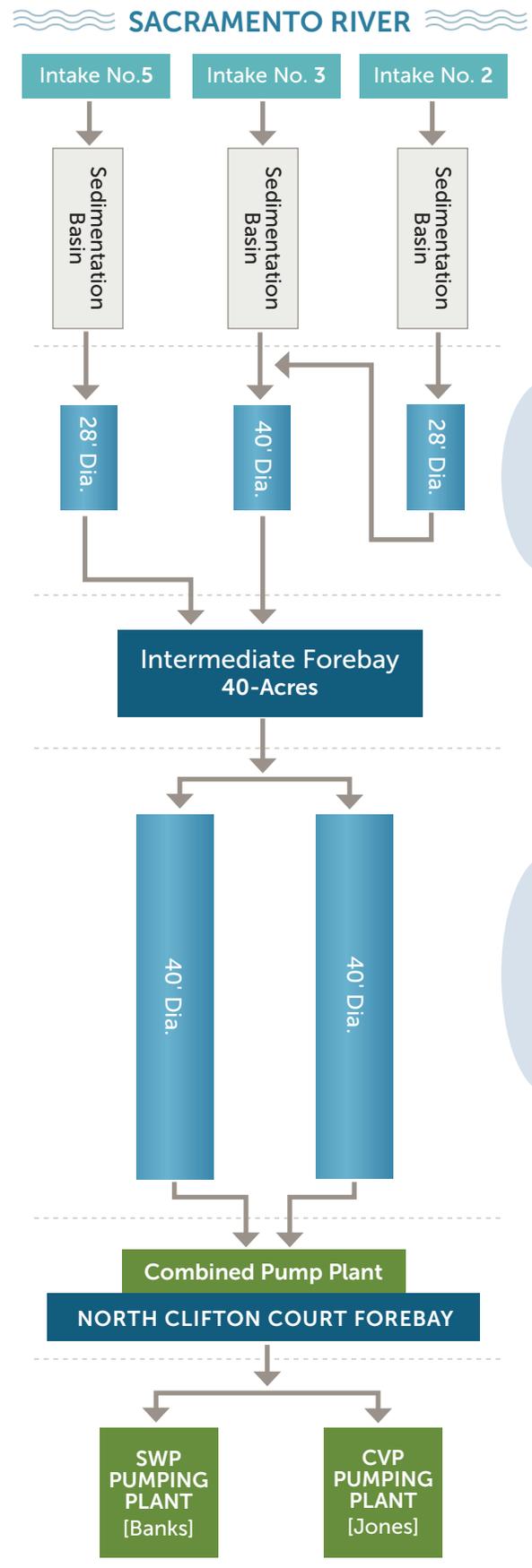
The plan allows for a more natural flow direction in the Delta during critical fish protection periods and increases water supply reliability with greater flexibility to divert water in ways that protect sensitive fish species.

### WATER SUPPLY RELIABILITY:

A modernized system can more reliably capture water from peak storms and flood flows to refill reservoirs and replenish groundwater basins.

### EMERGENCY PREPAREDNESS:

A modernized system will ensure that water is available for drought and emergency needs and help protect supplies from earthquakes or other natural disasters that could disrupt the current system.



## Minimizing Risk

CRITICAL ISSUES RELATED TO DESIGN, CONSTRUCTION AND OPERATIONS HAVE BEEN ADDRESSED DURING THE PLANNING PROCESS:

**Tunnels:** Extensive work and surveys to identify best practices of large tunnel projects with similar design, construction and project management confirmed that the proposed California WaterFix tunnel boring machines are well within the existing industry knowledge and experience.

**Leakage:** The lining system will be designed to withstand the maximum internal pressure calculated for the conveyance system, resulting in negligible leakage.

**Ground Vibration:** Tunnels will be constructed at least 100 feet below ground. Material over the tunnels will dampen and absorb any energy generated during tunneling activities.

**Surface Settlement:** The project will use geotechnical information, monitoring and structure projection methods to mitigate the risk of settlement effects and structural damage.

**Seismic Mitigation:** Because the proposed tunnel alignment does not cross any major fault rupture or creep zones, the deep tunnels will not be subject to liquefaction potential. The tunnel design uses precast segmental lining systems which have been successfully used in seismically active areas around the world.

**Geotechnical Considerations and Mitigations:** At proposed tunnel depths, dense layers of silts, sands and clays are anticipated. This material will be suitable for the planned tunneling activities.

**Flood Protection:** Facilities will be engineered and designed to withstand water level rise resulting from both a 200-year storm event and from sea level rise of 18 inches in the Delta.

## Construction Management



The Department of Water Resources is working with the State Water Contractors to resolve the final details of how the construction of California WaterFix will be managed to guarantee the project's safety and construction integrity and to ensure the project is delivered on time, on budget and in accordance with approved specifications, while managing risk prudently.



## Cost



Cost estimates were determined through a rigorous analysis by industry professionals and will be updated as additional information becomes available.

<b>Overall Cost</b>	<b>\$ 15.74 B</b>
<b>Conveyance System Cost</b>	<b>\$ 14.94 B</b>
Program management, construction management and engineering	\$ 1.91 B
Tunnels/shafts construction	\$ 6.82 B
Remaining construction	\$ 2.68 B
Contingency (~36% for tunnel/shafts and remaining construction)	\$ 3.38 B
Land acquisition (includes 20% contingency)	\$ 0.15 B
<b>Environmental Mitigation (includes 35% contingency)*</b>	<b>\$ 0.80 B</b>

*Program Estimate in 2014 Dollars*

*\*Significant additional fishery habitat restoration will occur through California EcoRestore <http://resources.ca.gov/ecorestore/>*

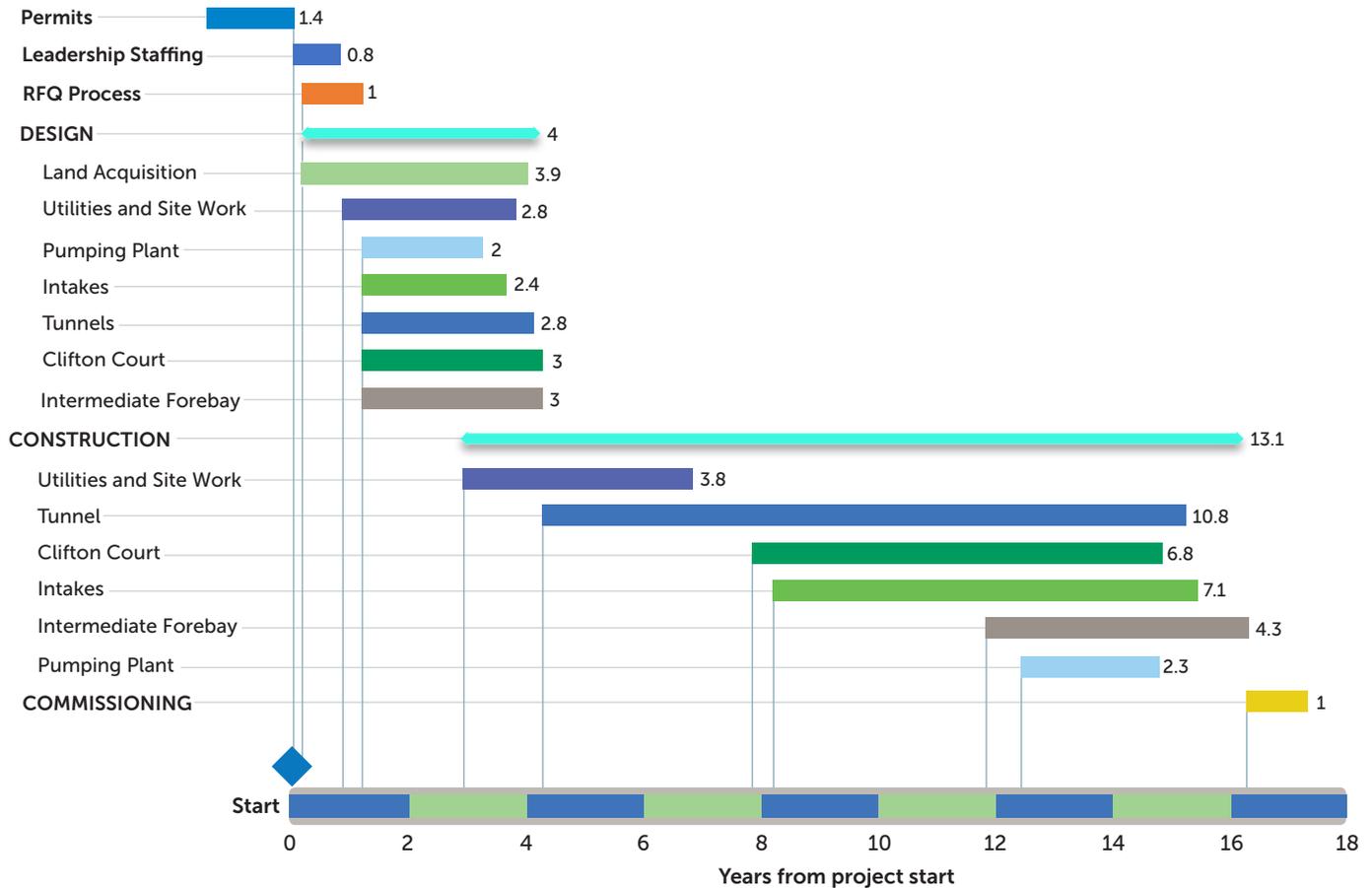
# Schedule



The current schedule estimates it will take 12 to 15 months to fully staff the project, up to four years to complete the design phase and approximately 13 years to complete construction.

## California WaterFix - Program Summary Schedule

Note: Years shown next to bars indicate task duration



### OUR MISSION

The mission of the Metropolitan Water District of Southern California is to provide its service area with adequate and reliable supplies of high-quality water to meet present and future needs in an environmentally and economically responsible way.

### ABOUT METROPOLITAN

The Metropolitan Water District of Southern California is a state-established cooperative of 26 member agencies – cities and public water agencies – that serve nearly 19 million people in six counties. Metropolitan imports water from the Colorado River and Northern California to supplement local supplies and helps its members develop increased water conservation, recycling, storage and other resource management programs.

### BE INFORMED, BE INVOLVED

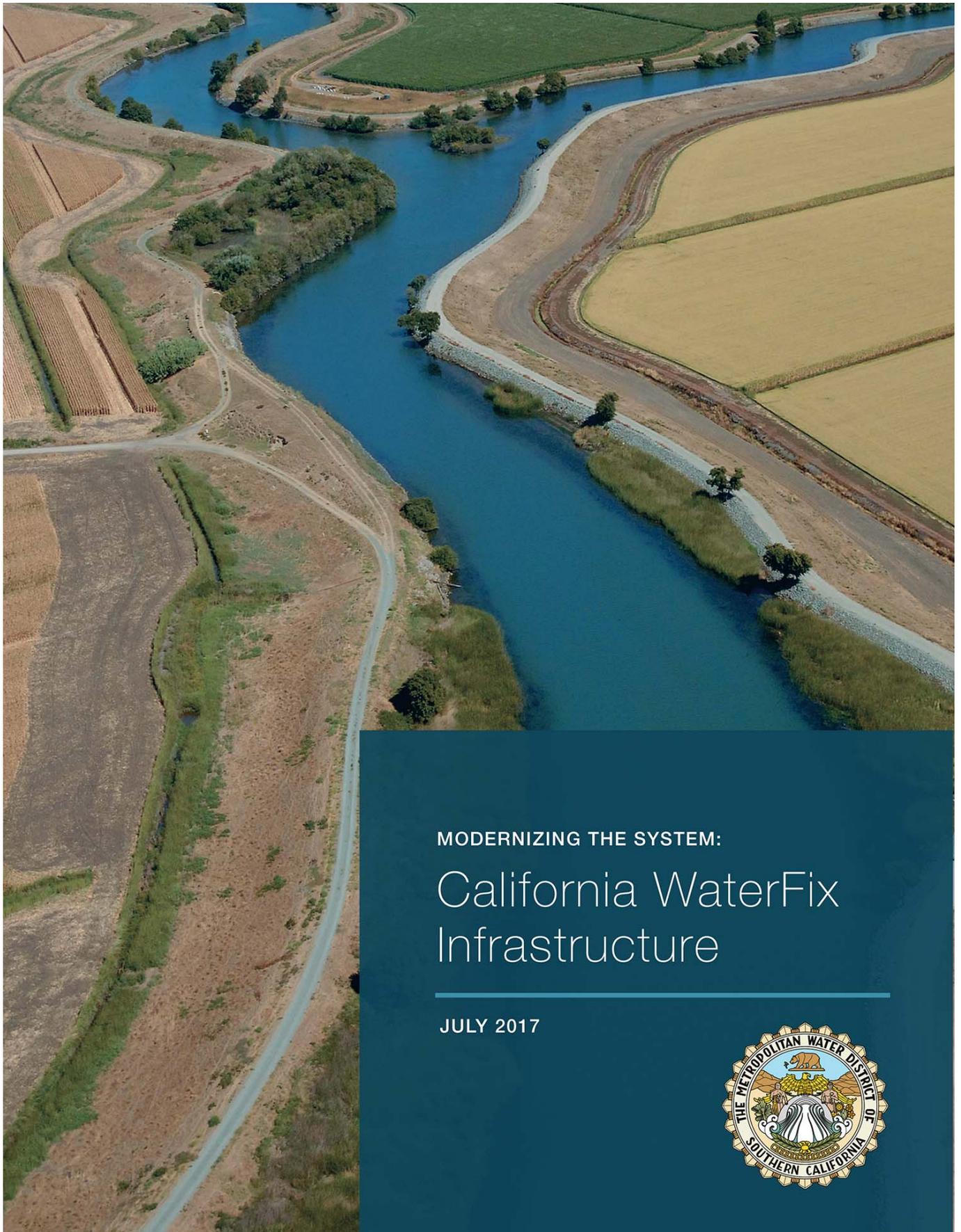
[www.mwdh2o.com](http://www.mwdh2o.com)



@mwdh2o

Photos courtesy CA Department of Water Resources





MODERNIZING THE SYSTEM:

# California WaterFix Infrastructure

JULY 2017



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## Introduction

This is the first of three policy white papers prepared for the Metropolitan Water District of Southern California's Board of Directors on the proposed California WaterFix. The overall objective of these papers is to provide relevant information for the Board before the Board considers decisions on the project.

This initial paper focuses on the project's planned infrastructure improvements. It presents the key project features, including proposed facilities, governance structure, current cost estimates and implementation schedule, as well as the planned approach to managing and mitigating project risks. The remaining two policy white papers will focus on operations and financing/cost allocation.

Specific objectives of this paper are:

1. To review the physical infrastructure of California WaterFix, with a focus on the key project facilities (see Figure 1);
2. To outline the State's approach to managing and implementing the project through a proposed Delta Conveyance Design/Construction Joint Powers Authority, designated the Design and Construction Authority, or "DCA," and Metropolitan's potential role in the new DCA;
3. To outline the project's planned approach to risk management and present key risk-related issues, including steps being taken to mitigate potential risks to keep the project within cost and schedule targets.

## Summary

Water from the State Water Project (SWP) flows through the Sacramento-San Joaquin Delta to the Bay Area, San Joaquin Valley, Central Coast and Southern California. Metropolitan and the 28 other State Water Project contractors rely on the Department of Water Resources (DWR) to deliver water from the State Water Project (SWP); 24 of the contractors, including Metropolitan, would directly benefit from receiving water via the Delta through California WaterFix facilities. The other five water contractors receive water further upstream in the watershed or from the North Bay Aqueduct.

As Metropolitan's Board and the state Legislature have recognized, the current water delivery system in the Delta, with its 700-mile web of waterways, sloughs, canals, and islands, supported by about 1,100 miles of earthen levees, is unsustainable. Threats of earthquakes, floods, subsidence, climate change, rising sea levels, and increasing regulatory constraints on water operations, as well as other risks and uncertainties in the Delta, are contributing to a decline in water supply reliability and in the ecosystem. The Delta's ecosystem and water supply reliability will continue to decline unless action is taken.

Delta conveyance has been studied extensively, and many solutions have been proposed over the last 50 years. A summary of these efforts is presented in Table 1.

In 2007, Metropolitan's Board adopted its Delta Action Plan (DAP) and Delta Conveyance Criteria as policy direction. The Delta Conveyance policy established six specific criteria for comparing Delta conveyance options: providing water supply reliability, enhancing the Delta ecosystem, improving export water quality, allowing flexible pumping operations in a dynamic fishery environment, reducing seismic risks to the water supply and reducing long-term risks from salinity intrusion associated with rising sea levels. As proposed, California WaterFix addresses each of these criteria.



## MEMORANDUM

**TO:** Board of Directors

**FROM:** Melanie Richardson  
Interim COO Watersheds

**SUBJECT:** Stream Maintenance Report

**DATE:** July 7, 2017

---

The Stream Maintenance Program (SMP) season began on June 15, 2017 and runs through October 15, 2017.

To provide the Board timely information on the status of SMP projects, including permitting status and data related to the amount and type of work being done, Watersheds staff will produce a Stream Maintenance Report (see attached).

We will provide an update at each Board meeting, under the CEO Report. However, to provide the Board the opportunity to discuss this new report and give feedback to staff, we intend to place this on the Board's agenda for the July 25, 2017, Board meeting.

As you will see from this initial report, there is a heavy workload to be addressed during this 2017 SMP period. We look forward to sharing our progress with the Board.

Melanie Richardson  
Interim Chief Operating Officer  
Watersheds

Attachment: Stream Maintenance Report

c: Norma Camacho

# Stream Maintenance Report

June 15 – June 30, 2017

Santa Clara Valley  
Water District



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June 15 – June 30, 2017

### STREAM MAINTENANCE SEASON BEGINS

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June 15 – June 30, 2017

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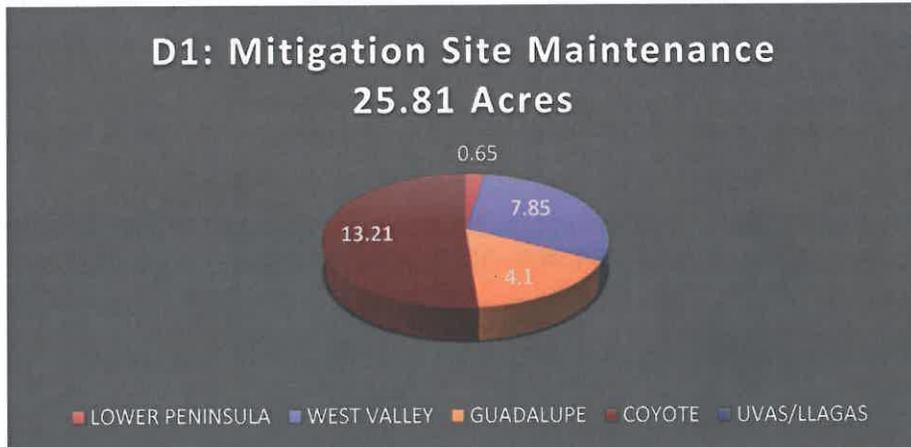
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## Safe Clean Water Priority D1: Management of Revegetation Projects

### Mitigation Site Maintenance

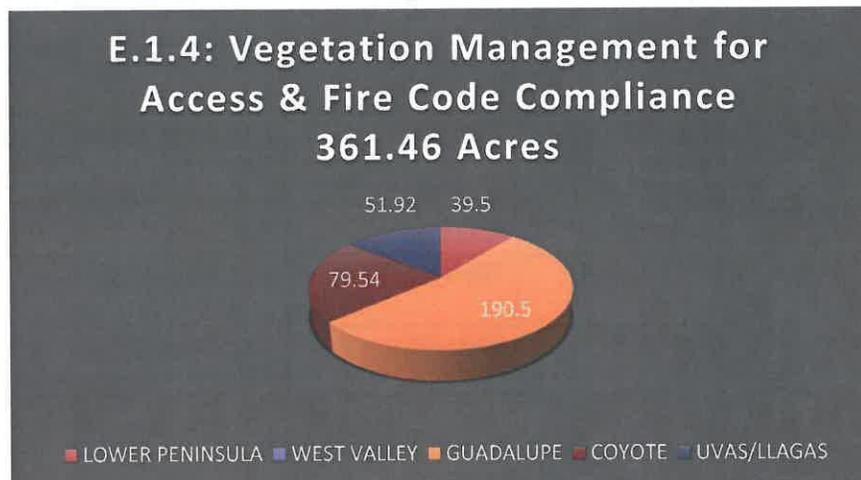
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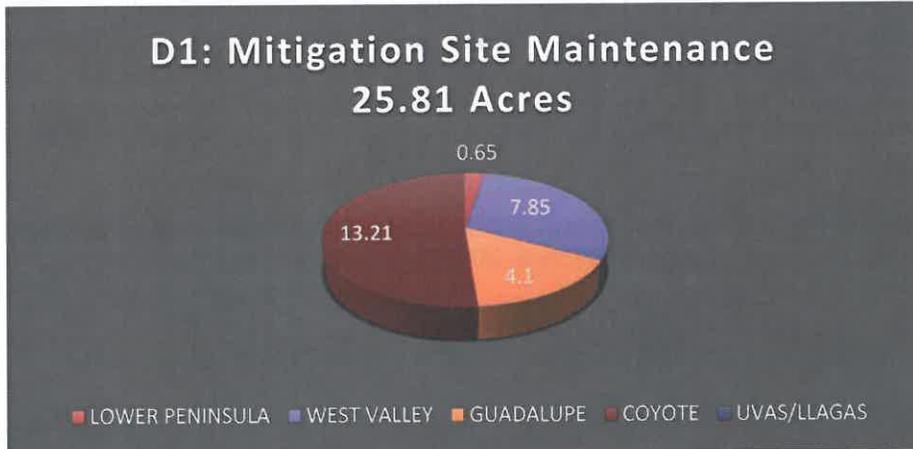
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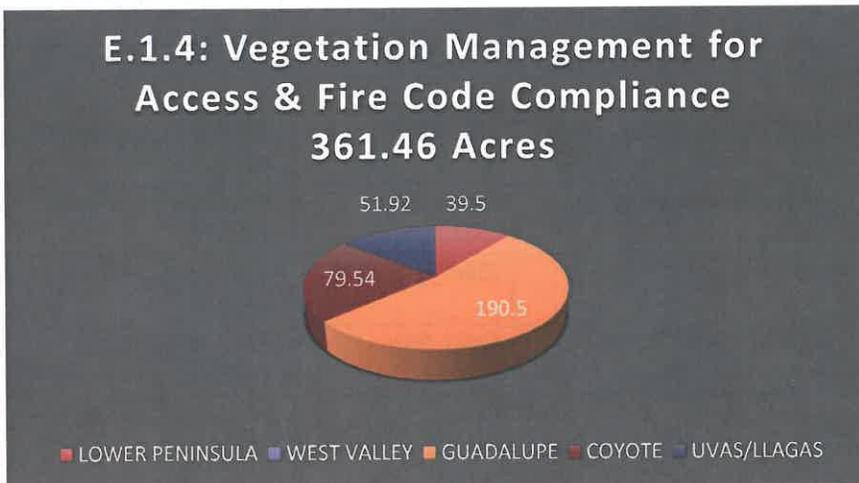
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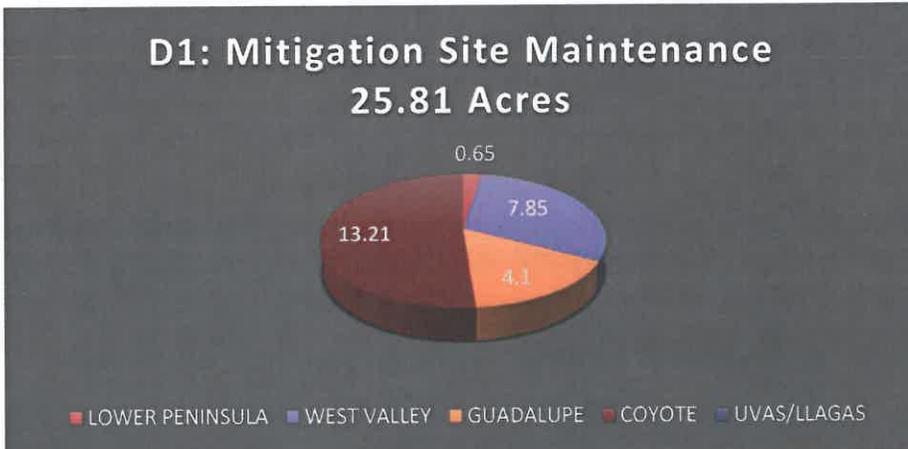
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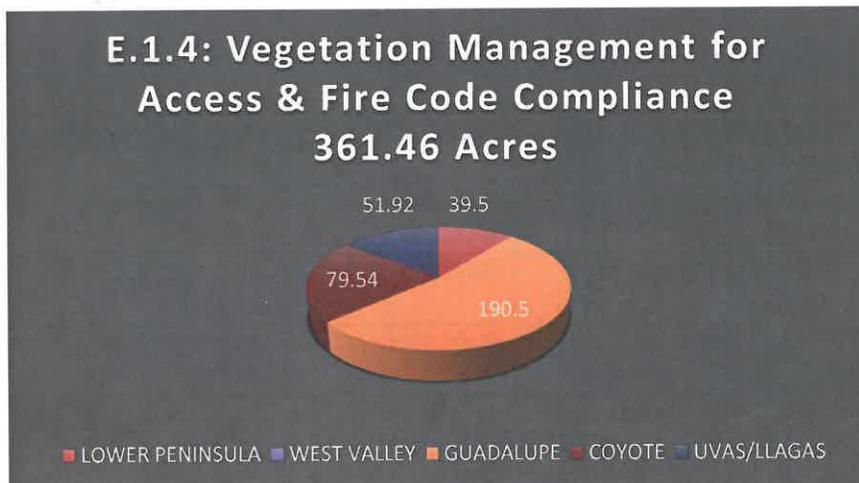
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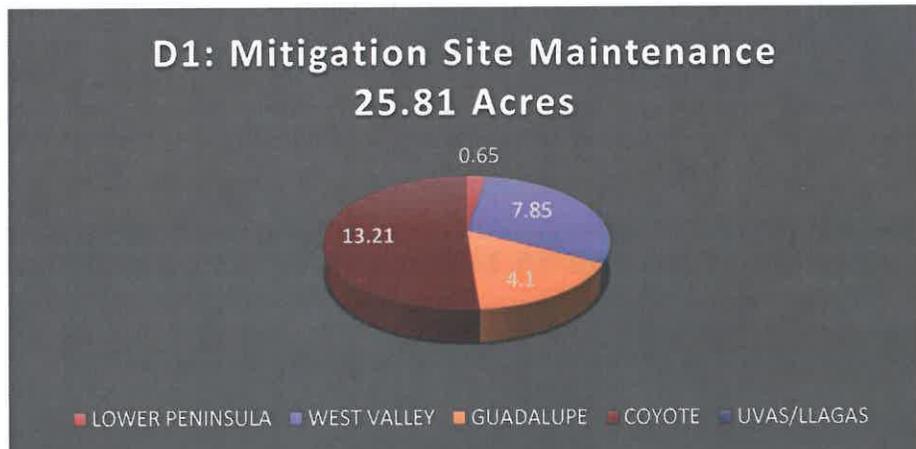
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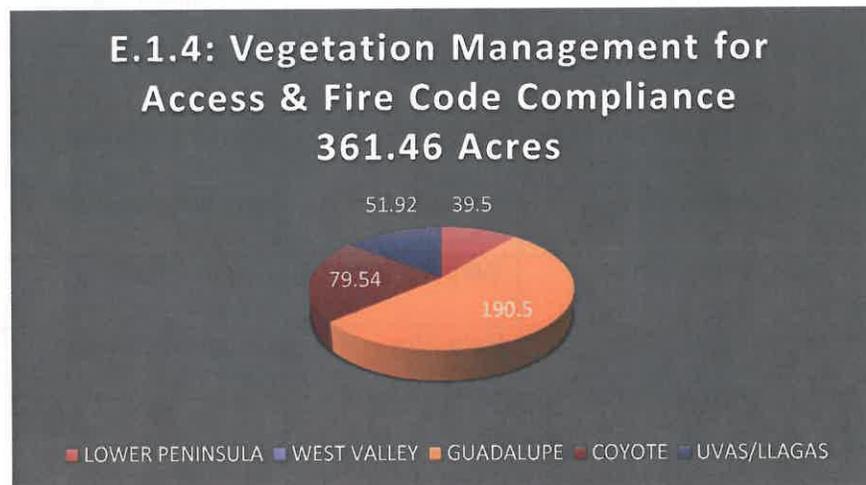
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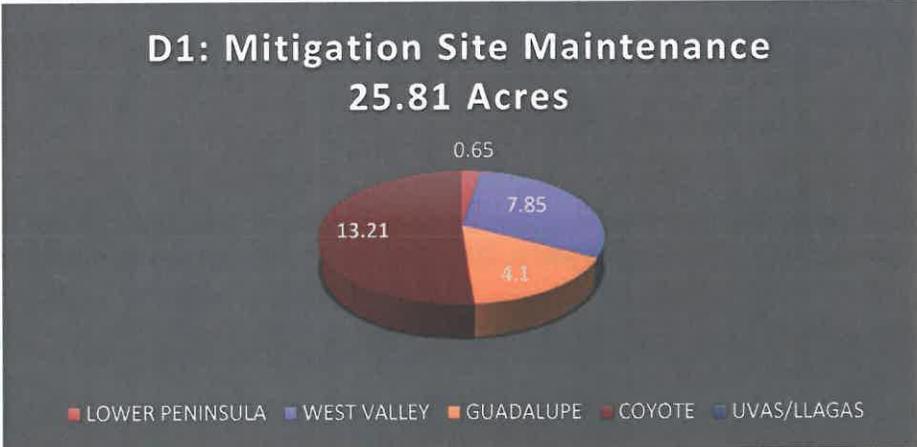
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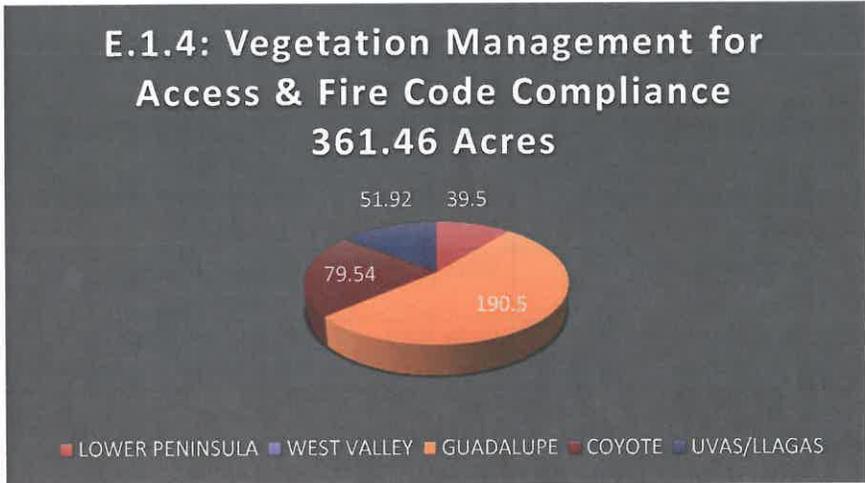
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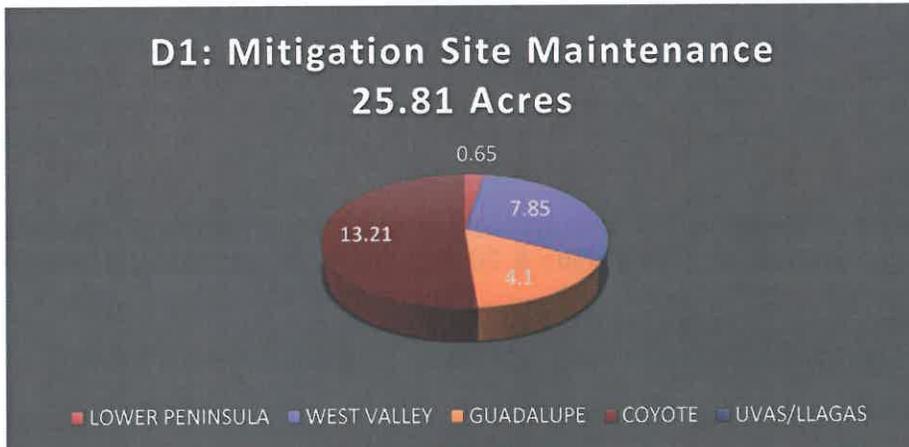
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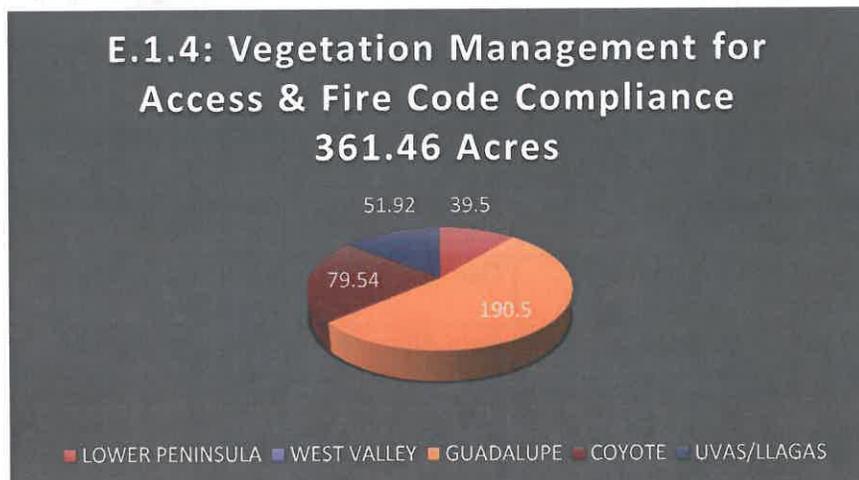
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# Stream Maintenance Report

June 15 – June 30, 2017

Santa Clara Valley  
Water District



## Stream Maintenance Report

June 15 – June 30, 2017

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## June 15 – June 30, 2017

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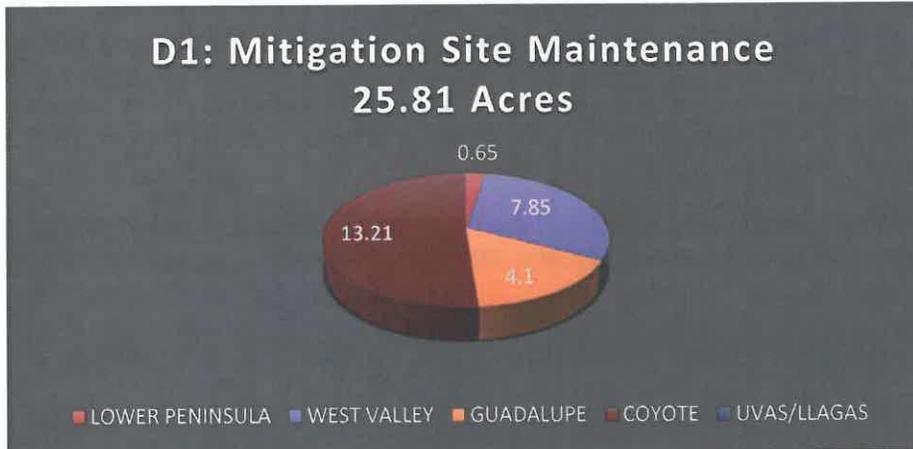
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#### Mitigation Site Maintenance

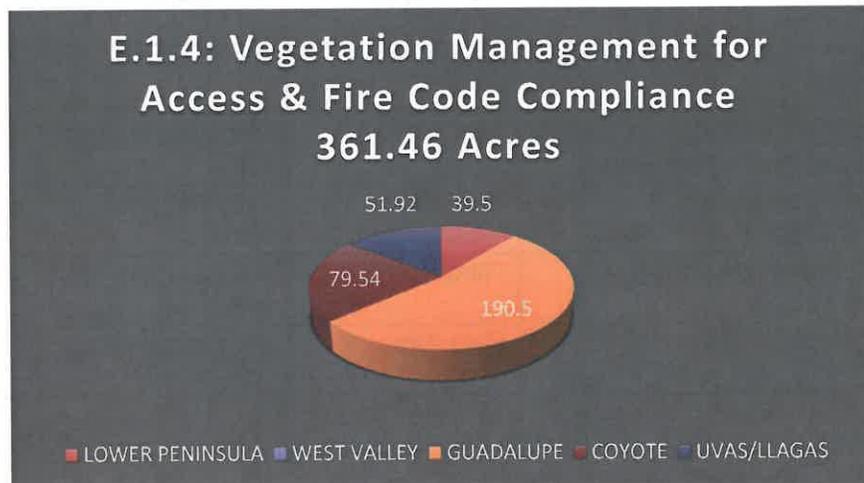
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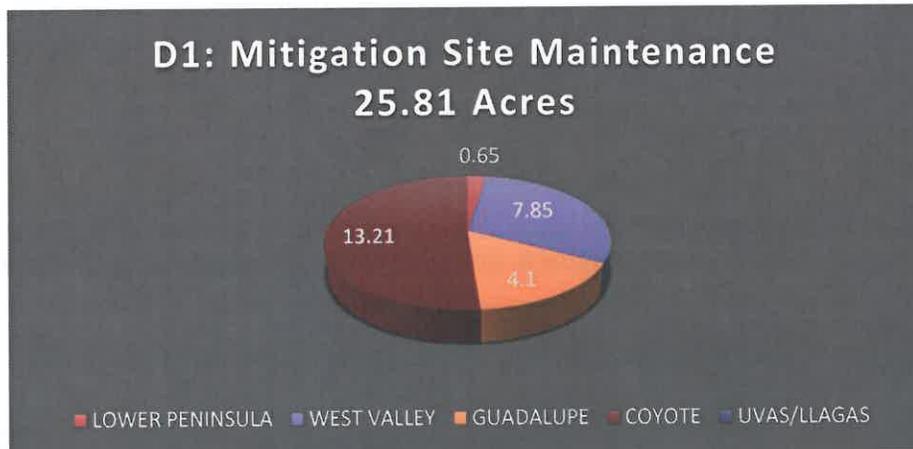
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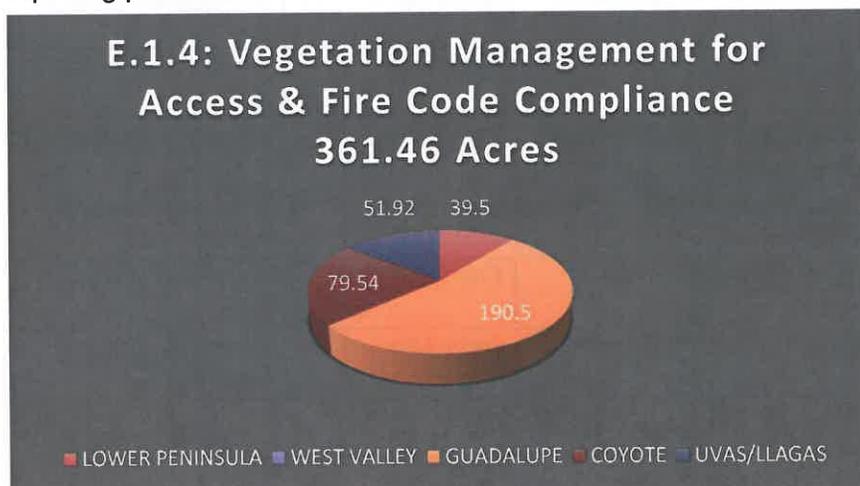
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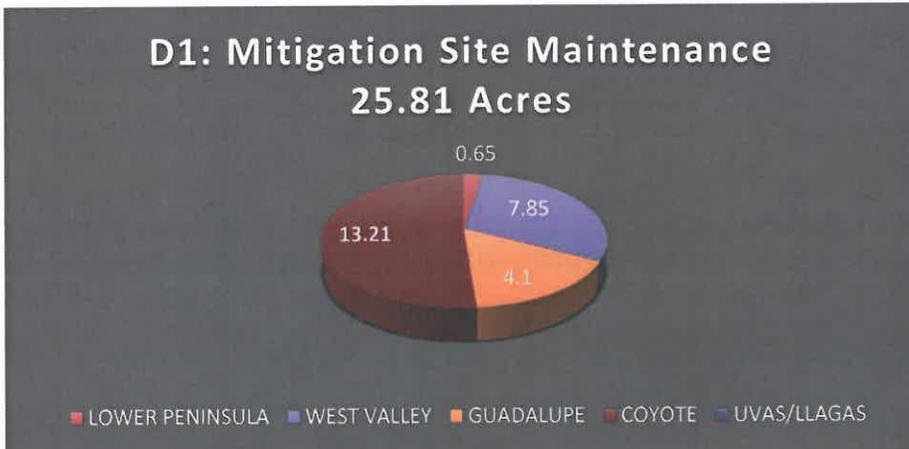
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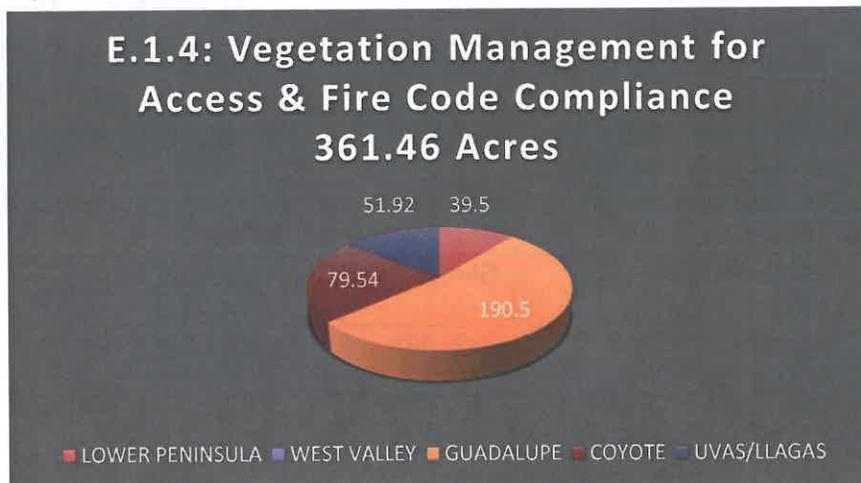
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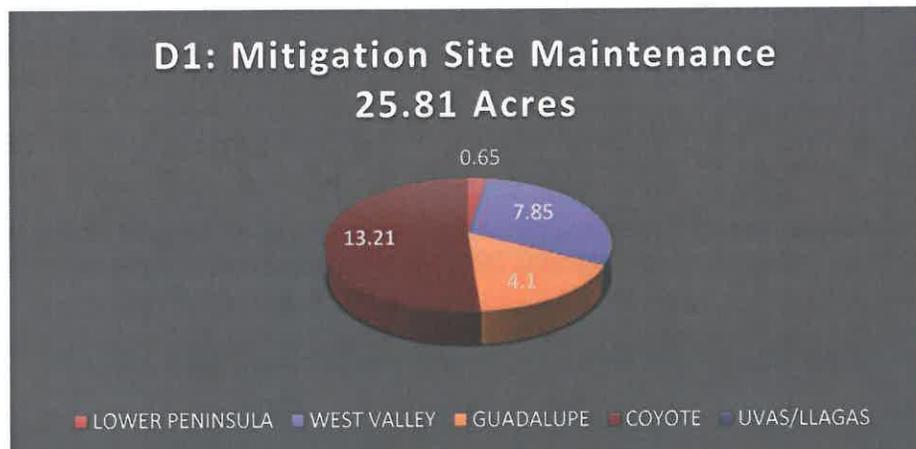
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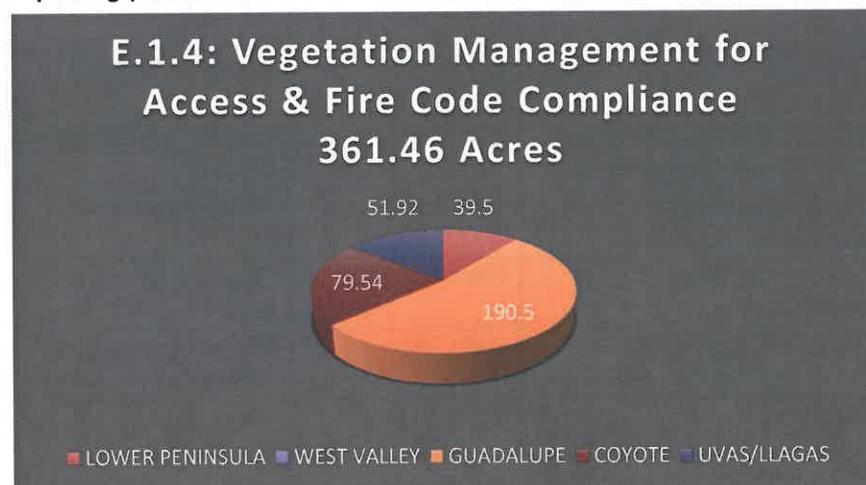
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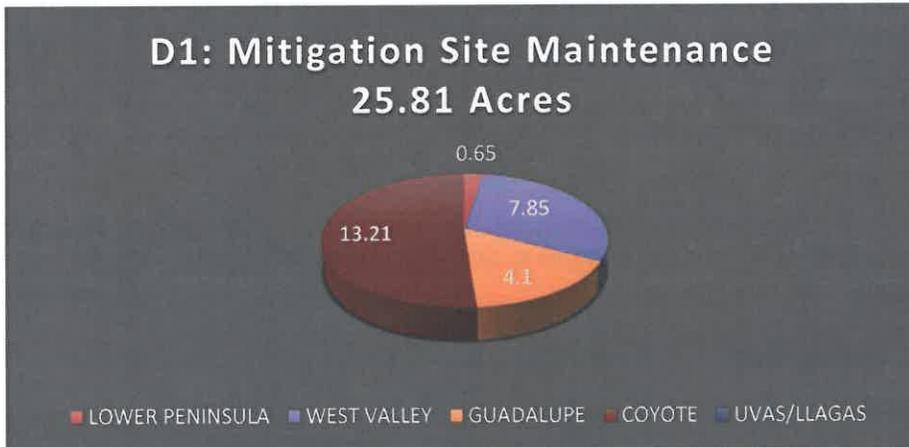
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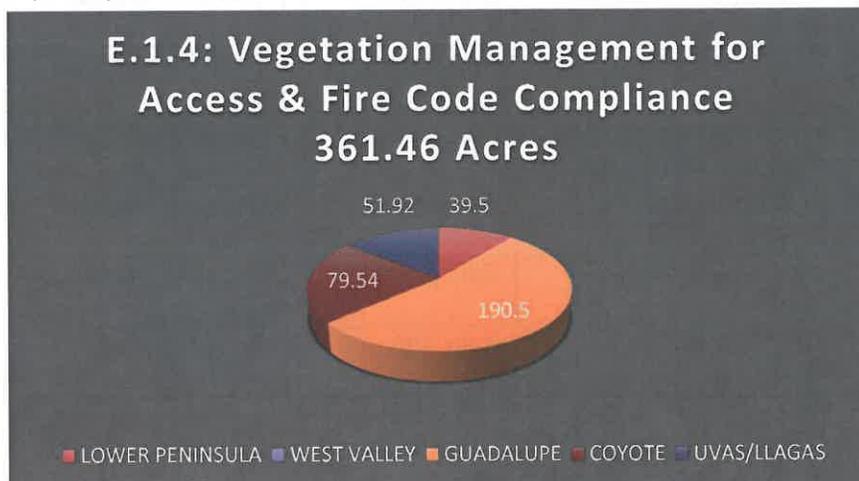
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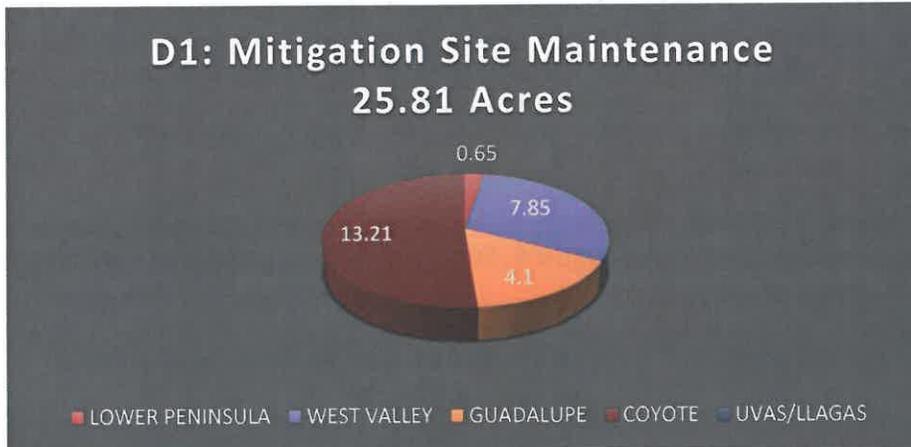
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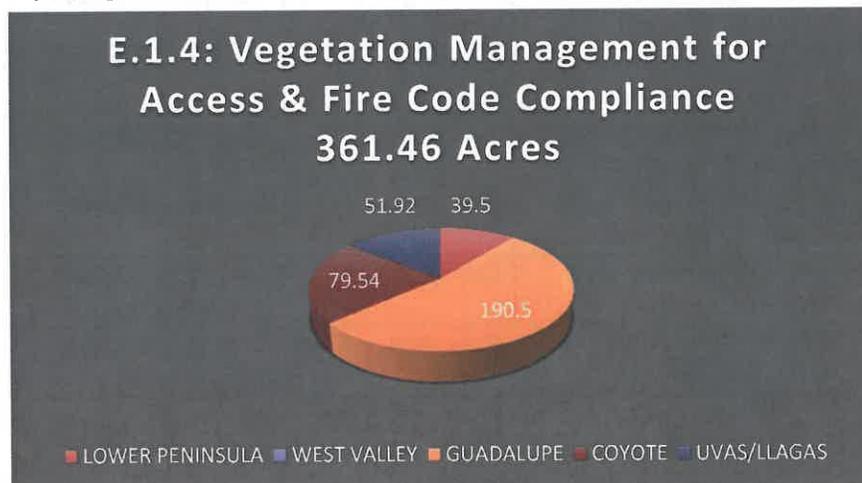
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# Stream Maintenance Report

June 15 – June 30, 2017

## Invasive Plant Maintenance Program

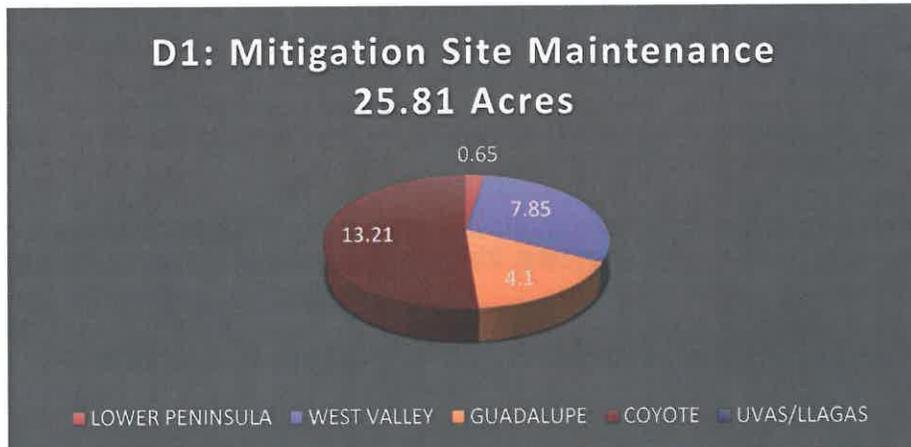
The Invasive Plant Maintenance Program (IPMP) supports control of invasive species to provide improved habitat on District facilities. A total of 11.76 acres of invasive plant maintenance is included in this year's SMP work.

- Coyote Watershed 1.91 acres
- Guadalupe Watershed 6.79 acres
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## Safe Clean Water Priority D1: Management of Revegetation Projects

### Mitigation Site Maintenance

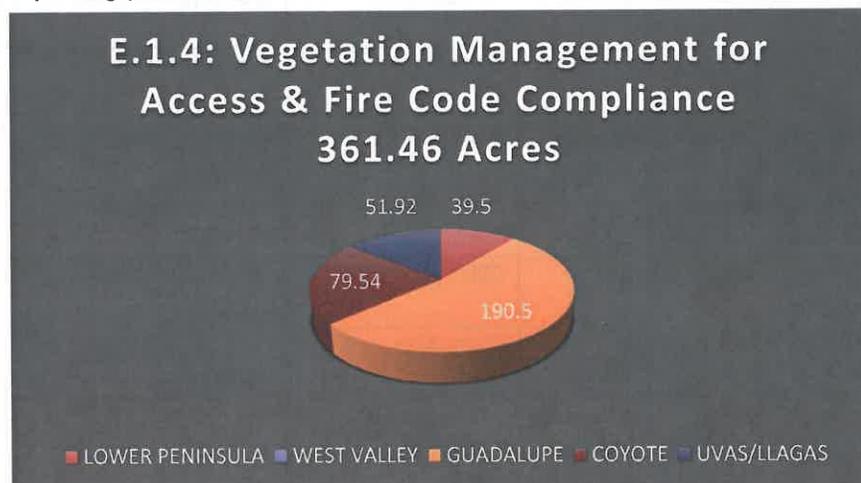
This Safe Clean Water (SCW) project supports District maintenance of at least 300 acres of existing revegetation projects throughout the five watersheds, and provides for maintenance of future revegetation sites. The chart below shows the work completed (in acres) within this reporting period.



## Safe Clean Water Priority E.1.4: Vegetation Management for Access

### Access Pruning, Weed Abatement, Upland Herbicide Application

This SCW project supports the District's ongoing vegetation control activities by maintaining access for maintenance personnel and equipment. The chart below shows the work completed (in acres) during this reporting period.



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# Stream Maintenance Report

June 15 – June 30, 2017

Santa Clara Valley  
Water District



## Stream Maintenance Report

June 15 – June 30, 2017

### STREAM MAINTENANCE SEASON BEGINS

The District began its 2017 stream maintenance program (SMP) season on June 15. With regulatory approvals still pending on some projects, the District began work on sites already approved.

#### Permit Process Status

The District submitted 385 stream maintenance items in its first 2017 Notice of Proposed Work (NPW1) on April 19, 2017. Regulatory agencies had 45 days (June 3) to review and approve the submittal.

As of June 3, regulatory agencies had approved 192 of the 385 items; through June 22, a total of 239 items had been approved. The U.S. Army Corps of Engineers (USACE) denied two projects due to their exceedance of the project limit lengths: sediment removal on Canoas Creek, and rock blanket on El Camino Storm Drain. We are modifying these projects based on USACE staff comments. We will perform sediment removal on Canoas Creek as three separate minor maintenance projects, and we are working on alternative plans (not rock lining) to address the erosion at the El Camino Storm Drain. The remaining 146 items are pending approvals from USACE and the U.S. Fish and Wildlife Service.

On June 22, 2017, the District submitted an additional 117 stream maintenance items in its second Notice of Proposed Work (NPW2). Regulatory agencies have 45 days (August 6, 2017) to review and approve the District's second submittal.

#### Work Status: Completed or on-going sediment removal, bank protection, and minor maintenance SMP projects

WORK TYPE	LOCATION	MUNICIPALITY	STATUS
Sediment removal	Ross Creek at Cherry Avenue	San Jose	Completed 6/15/17
Sediment removal	Ross Creek at Jarvis Avenue	San Jose	Completed 6/16/17
Sediment removal	Ross Creek at Meridian Avenue	San Jose	Completed 6/19/17
Minor maintenance-replace trash rack	Permanente Diversion Channel	Los Altos	Completed 6/23/17
Minor maintenance-in-kind sacked concrete repair	Saratoga Creek downstream of Saratoga-Sunnyvale Road	Saratoga	Completed 6/26/17
Minor maintenance-repair crib wall	Saratoga Creek upstream of Cox Avenue	Saratoga	Completed 6/29/17
Minor maintenance-levee repair	Coyote Creek upstream of Corie Court (near mobile home park)	San Jose	Ongoing; started 6/19/17
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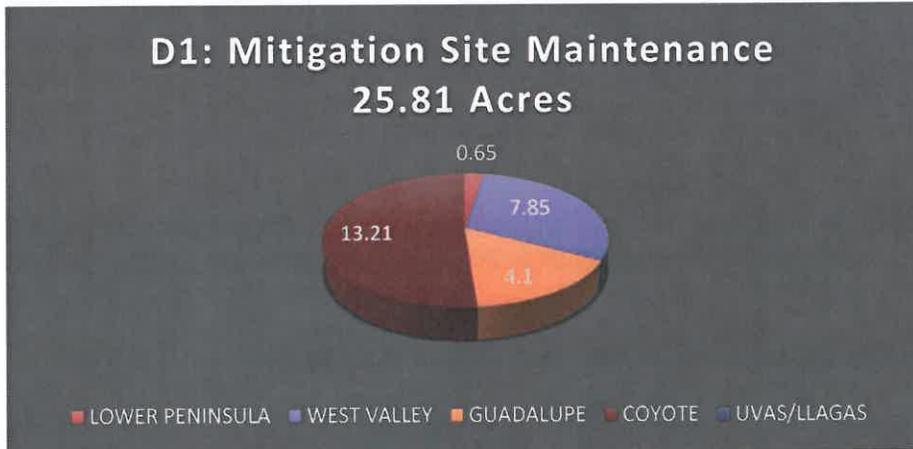
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### Safe Clean Water Priority D1: Management of Revegetation Projects

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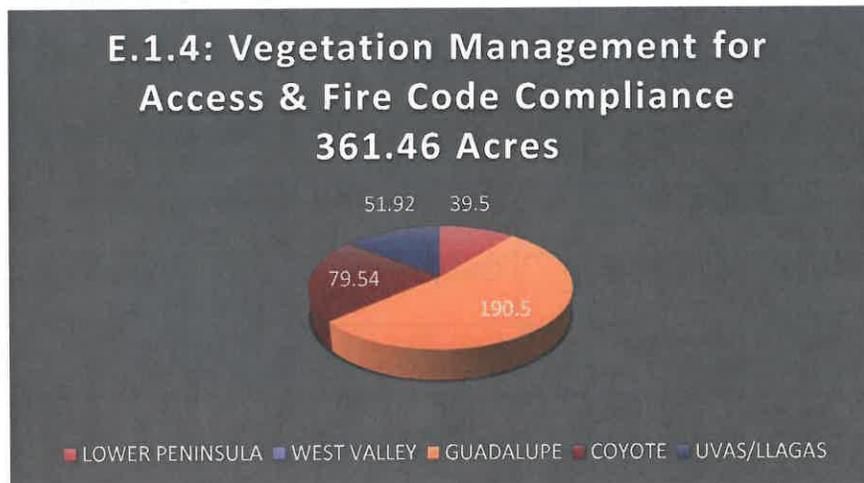
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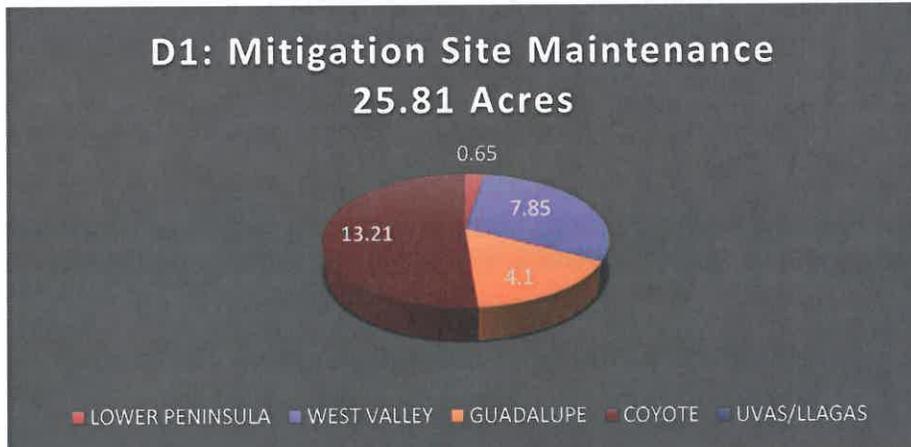
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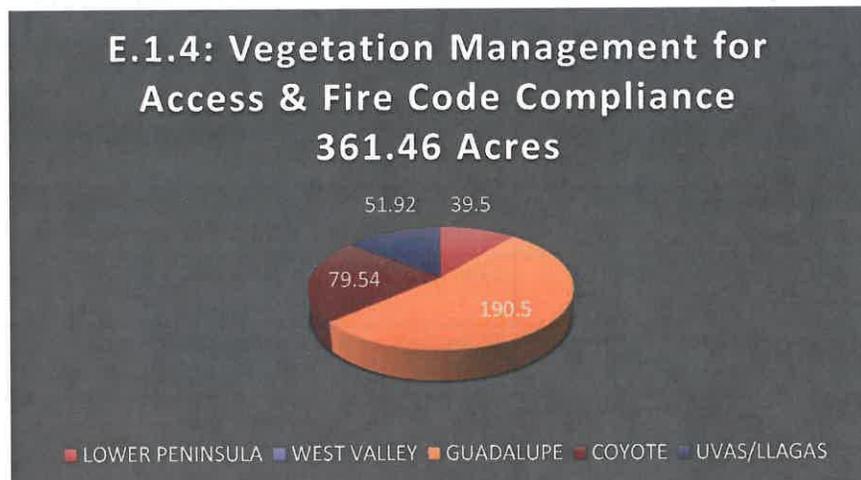
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