



**BOARD OF DIRECTORS
SAN LORENZO VALLEY WATER DISTRICT
AGENDA
June 2, 2016**

MISSION STATEMENT: Our Mission is to provide our customers and future generations with reliable, safe and high quality water at an equitable price; to create and maintain outstanding service and community relations; to manage and protect the environmental health of the aquifers and watersheds; and to ensure the fiscal vitality of the San Lorenzo Valley Water District.

Notice is hereby given that a regular meeting of the Board of Directors of the San Lorenzo Valley Water District will be held on **Thursday, June 2, 2016 at 6:00 p.m.**, at the Operations Building, 13057 Highway 9, Boulder Creek, California.

In compliance with the requirements of Title II of the American Disabilities Act of 1990, the San Lorenzo Valley Water District requests that any person in need of any type of special equipment, assistance or accommodation(s) in order to communicate at the District's Public Meeting can contact the District Secretary's Office at (831) 430-4636 a minimum of 72 hours prior to the scheduled meeting.

Agenda documents, including materials related to an item on this agenda submitted to the Board of Directors after distribution of the agenda packet, are available for public inspection and may be reviewed at the office of the District Secretary, 13060 Highway 9, Boulder Creek, CA 95006 during normal business hours. Such documents are also available on the District website at www.slvwd.com subject to staff's ability to post the documents before the meeting.

1. Convene Meeting/Roll Call

2. Additions and Deletions to Agenda:

Additions to the Agenda, if any, may only be made in accordance with California Government Code Section 54954.2 (Ralph M. Brown Act) which includes, but is not limited to, additions for which the need to take action is declared to have arisen after the agenda was posted, as determined by a two-thirds vote of the Board of Directors (or if less than two-thirds of the members are present, a unanimous vote of those members present).

3. Oral Communications:

This portion of the agenda is reserved for Oral Communications by the public for items which are on the Closed Session portion of the Agenda. Any person may address the Board of Directors at this time, on Closed Session items. Normally, presentations must not exceed three (3) minutes in length, and individuals may only speak once during Oral Communications. No actions may be taken by the Board of Directors on any Oral Communications presented; however, the Board of Directors may request that the matter be placed on a future agenda. Please state your name and town/city of residence at the beginning of your statement for the record.

4. Adjournment to Closed Session:
At any time during the regular session, the Board may adjourn to Closed Session in compliance with, and as authorized by, California Government Code Section 54956.9 and Brown Act, Government Code Section 54950. Members of the public will be given the opportunity to address any scheduled item prior to adjourning to closed session.
 - a. CONFERENCE WITH REAL PROPERTY NEGOTIATORS
Closed session pursuant to Government Code Section 54956.8
Property: 15685 Forest Hill Dr., Boulder Creek, CA 95006
Agency Negotiator: Brian Lee
Negotiating parties: Owner (or representative)
Under Negotiation: Price and terms of payment
5. Convene to Open Session at 7:00 p.m. (time certain)
6. Report of Actions Taken
7. Additions and Deletions to Agenda:
Additions to the Agenda, if any, may only be made in accordance with California Government Code Section 54954.2 (Ralph M. Brown Act) which includes, but is not limited to, additions for which the need to take action is declared to have arisen after the agenda was posted, as determined by a two-thirds vote of the Board of Directors (or if less than two-thirds of the members are present, a unanimous vote of those members present).
8. Oral Communications:
This portion of the agenda is reserved for Oral Communications by the public for items which are not on the Agenda. Please understand that California law (The Brown Act) limits what the Board can do regarding issues raised during Oral Communication. No action or discussion may occur on issues outside of those already listed on today's agenda. Any person may address the Board of Directors at this time, on any subject that lies within the jurisdiction of the District. Normally, presentations must not exceed three (3) minutes in length, and individuals may only speak once during Oral Communications. Any Director may request that the matter be placed on a future agenda or staff may be directed to provide a brief response.
9. Written Communications:
 - a. SCOTTS VALLEY WATER DISTRICT - NOTICE OF PUBLIC HEARING
 - b. SOQUEL CREEK WATER DISTRICT - NOTICE OF PUBLIC HEARING
 - c. ACWA JPIA COVERAGE PROGRAMS
 - d. MORE WATER?
 - e. COUNTY OF SANTA CRUZ PLANNING COMMISSION - NOTICE OF PUBLIC HEARING
10. Consent Agenda:

The Consent Agenda contains items which are considered to be routine in nature and will be adopted by one (1) motion without discussion. Any Board member may request that an item be withdrawn from the Consent Agenda for separate discussion.

- a. MANANA WOODS
Consideration and possible action by the Board regarding Manana Woods.
- b. BILL LIST FOR PERIOD ENDNG JUNE 2, 2016
Consideration and possible action by the Board regarding the Bill List for the period ending June 2, 2016.
- c. AMATEUR RADIO WEEK
Consideration and possible action by the Board regarding the Amateur Radio Week.
- d. DIRECTOR BRUCE TO SERVE ON ASSOCIATION OF CALIFORNIA WATER AGENCIES GROUNDWATER COMMITTEE
Consideration and possible action by the Board to approve Director Bruce to serve on the ACWA Groundwater Committee.

11. Unfinished Business:

Members of the public will be given the opportunity to address each scheduled item prior to Board action. The Chairperson of the Board may establish a time limit for members of the public to address the Board on agendum.

- a. 2016-17 BUDGET
Discussion and possible action by the Board regarding the 2016-17 Budget.

12. New Business:

Members of the public will be given the opportunity to address each scheduled item prior to Board action. The Chairperson of the Board may establish a time limit for members of the public to address the Board on agendum.

- a. CITY OF SANTA CRUZ CONSERVATION - ROSEMARY MENARD
Discussion and possible action by the Board regarding Presentation by Rosemary Menard, of the City of Santa Cruz.

13. District Manager Reports:

Information reports by the District Manager, Staff, Committee and Board of Directors.

- a. MANAGER
 - (1) Department Status Reports
Receipt and consideration by the Board of Department Status Reports regarding ongoing projects and other activities.
 - (i) Q & A from prior Board Meetings

- (ii) Administration/Engineering
- (iii) Environmental

b. COMMITTEE/DIRECTOR REPORTS:

- (1) Future Committee Agenda Items
- (2) Committee Meeting Notes
 - (i) Administration Committee 5.24.16

14. Informational Material:

- a. KARST PROTECTION ZONE - FINAL REPORT Nolan Associates
- b. COASTAL WATERSHED COUNCIL - Thank you

15. Adjournment

Certification of Posting

I hereby certify that on May 26, 2016 I posted a copy of the foregoing agenda in the outside display case at the District Office, 13060 Highway 9, Boulder Creek, California, said time being at least 72 hours in advance of the meeting of the Board of Directors of the San Lorenzo Valley Water District (Government Code Section 54954.2).

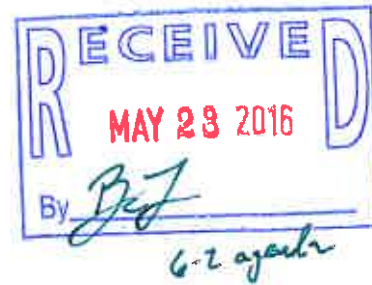
Executed at Boulder Creek, California on May 26, 2016

Holly B. Morrison, Dist. Secretary
San Lorenzo Valley Water Dist.



May 19, 2016

Brian Lee
District Manager
San Lorenzo Valley Water District
13060 Highway 9
Boulder Creek, CA 95006



**Re: Notice of Public Hearing
2015 Urban Water Management Plan for Scotts Valley Water District**

Dear Mr. Lee:

Scotts Valley Water District (SVWD) is undertaking review, update, and revision of its Urban Water Management Plan (UWMP). The Urban Water Management Planning Act requires every "urban water supplier" of a certain size to prepare and adopt an UWMP at least once every five years. The UWMP is a planning document in which water suppliers evaluate and compare their water supply and reliability to their existing and projected demands.

On June 9, 2016 at 7:00 p.m., in the Santa Margarita Community Room located downstairs at 2 Civic Center Drive, Scotts Valley, CA 95066, the Scotts Valley Water District Board of Directors will conduct a public hearing pursuant to California Water Code sections 10642 and 10608.26 to receive comments and input from the community and other public agencies on the *2015 Urban Water Management Plan for Scotts Valley Water District*; input on the District's implementation plan for complying with Part 2.55 of the Water Code; to consider the potential economic impacts of the implementation plan and to provide information on its baseline water use, water use targets required by the Water Conservation Act of 2009 (Water Code section 10608.20(b)).

A copy of the *Draft 2015 Urban Water Management Plan for Scotts Valley Water District* is available for public review Monday through Friday, during normal business hours at the District Offices, 2 Civic Center Drive, Scotts Valley, CA 95066. In addition, an electronic version of the plan will be accessible at www.svwd.org.

The *2015 Urban Water Management Plan for Scotts Valley Water District* has been developed for implementation in accordance with the requirements of the California Urban Water Management Planning Act, Water Code sections 10610 through 10657, and the Water Conservation Act of 2009, Water Code sections 10608 through 10608.64. Public input from diverse social, cultural and economic elements of the population is encouraged and will be

Notice of Public Hearing
2015 Urban Water Management Plan for Scotts Valley Water District
May 19, 2016
Page 2

considered as part of the urban water management planning process. Input from and coordination with the County of Santa Cruz and other public agencies is also encouraged and will be considered (Water Code §§ 10620(d)(2); 10621(b); 10642.) Any written comments regarding the *Draft 2015 Urban Water Management Plan for Scotts Valley Water District* should be submitted by the close of business on June 9, 2016 to the address set forth above, attention Piret Harmon, General Manager. Comments can also be made at the public hearing at the time and place first set forth above. Upon conclusion of the public hearing, the SVWD Board of Directors may revise, change, modify, and/or adopt the plan.

Questions regarding the public hearing or the *2015 Urban Water Management Plan for Scotts Valley Water District* should be directed to Piret Harmon, General Manager, (831) 600-1902, pharmon@svwd.org.

Sincerely,

A handwritten signature in cursive script, appearing to read "Piret Harmon", with a long horizontal flourish extending to the right.

Piret Harmon
General Manager

May 16, 2016

Mr. Brian Lee
District Manager
San Lorenzo Valley Water District
13060 Highway 9
Boulder Creek, CA 95006



SUBJECT: Notice of Public Hearing to Consider Adoption of the Soquel Creek Water District Draft 2015 Urban Water Management Plan (UWMP) and Availability of the 2015 UWMP for Public Review

Dear Mr. Lee,

This notice is to inform you of the availability of the Soquel Creek Water District (SqCWD) 2015 Urban Water Management Plan (UWMP) for your review on May 24, 2016. The Urban Water Management Plan is a report prepared by California's urban water suppliers to inform and support their long term supply planning and ensure that adequate water supplies are available to meet existing and future demands. The document identifies a mix of potential water supply sources and conservation efforts to meet future demand and also contains details on SqCWD's water shortage contingency planning and drought response actions. Your agency may use the UWMP for land use planning purposes, shared groundwater planning, or other uses.

Additionally, the SqCWD is providing a second notice that there will be a public hearing to receive public comments and consider adoption of the Draft 2015 UWMP. Details of the public hearing are as follows:

Date/Time: Tuesday, June 7, 2016 at 6:00 p.m.
Place: Board of Directors Meeting, Community Foundation Santa Cruz County, 7807 Soquel Drive, Aptos, CA

Staff anticipates the SqCWD Board of Directors will adopt the Draft 2015 Urban Water Management Plan with recommended modifications at the June 21, 2016 meeting. Recommended modifications will take place after the Board has heard the public input.

Written comments on the Draft 2015 UWMP must be received by 5:00 p.m. on Wednesday, June 1, 2016 for inclusion in the Board packet for the public hearing and should be sent to:

Soquel Creek Water District
Attn: Shelley Flock, Conservation & Customer Service Field Manager
P.O. Box 1550
Capitola, CA 95010
Fax: (831)475-4291
Email: shelleyf@soquelcreekwater.org

Written comments received after June 1, 2016 but before June 7, 2016 at 4:00pm will be copied and provided to the Board of Directors but will not be included in the Board packet.

We look forward to receiving your comment on the 2015 UWMP. If you have any questions, please contact Shelley Flock, Conservation & Customer Service Field Manager, at (831)475-8500, extension 156.

Sincerely,
SOQUEL CREEK WATER DISTRICT



Ron Duncan
General Manager

From: [Debbie Kyburz](#)
To: [Board of Directors](#)
Cc: [Brian Lee](#)
Subject: ACWA JPIA Coverage Programs
Date: Friday, May 13, 2016 2:38:02 PM

Hello Mr. Baughman,

Thank you for your interest in the ACWA JPIA Coverage Programs. The JPIA offers its members many benefits:

- Broader coverage and higher limits than typically provided by commercial insurance carriers.
- A stable, long-term solution to coverage needs with rates typically 20-30% less than commercial insurance.
- A pro-active loss control and risk management program designed to reduce losses and control costs.
- Many services provided at no or little costs, such as training, video lending library, property appraisals, and risk management consultants.

Our applications are currently under revision, and I will be happy to forward them to you shortly.

Please let me know what types of coverage you are interested in, and expiration date of your current policies.

I look forward to hearing from you.

Debbie Kyburz, AINS, AIS
Member Services Representative
ACWA Joint Powers Insurance Authority
P.O. Box 619082, Roseville, CA 95661-9082
P 800.535.7899 ext. 3117 F 916.774.7040

From: [Matt Young](#)
To: [Board of Directors](#)
Subject: More water?
Date: Thursday, May 12, 2016 5:07:28 PM

Hello,

I'd like to ask a hypothetical question: might the SLVWD be interested in acquiring additional legal creek pickups from >1920s?

If say, hypothetically, my friend has water rights with 3 other parcels to a creek pickup, but the whole system needs a \$80-100K upgrade, but it could then provide a 24/7 pickup that could easily provide for several more homes, would that be worth something to the district, above and beyond the needed deferred maintenance costs? Might it be worth enough that free water for the life of the source would be granted to the original 4 recipients of the claim in the terms of the sale?

Would very much appreciate your perspective,

Thanks!
Matt

Notice of Public Hearing

Notice is hereby given that the County of Santa Cruz Planning Commission will hold a public hearing on the following item:

Item #6. 78-0674 **7450 E. Zayante Road, Felton**
APNs: 070-231-22,071-111-22,
071-141-06, 071-212-10,
071-231-08,071-231-07,
070-341-01

Review of Mining Approval and Certificate of Compliance 78-0674 (as amended) for the Olympia Quarry for compliance with Conditions of Approval.

OWNERS: CEMEX, Miles Olympia LLC,
Land Trust of Santa Cruz County
APPLICANT: Ron Wilson
SUPERVISORIAL DISTRICT: 5
PROJECT PLANNER: David Carlson, (831) 454-3173
EMAIL: David.Carlson@santacruzcounty.us

DATE: Wednesday, June 8, 2016
TIME: Meeting beginning at 9:00 a.m.
PLACE: Board of Supervisors Chamber
County Government Center
701 Ocean Street, Room 525
Santa Cruz CA 95060

RECEIVED
MAY 21 2016
SAN LORENZO VALLEY
WATER DISTRICT

Any persons whose interests are adversely affected by any act or determination by the Planning Commission may appeal such act of determination to the Board of Supervisors. Appeals from any action of the Planning Commission shall be taken by filing a written notice of appeal with the Board of Supervisors and paying the appeal fee, not later than the 14th calendar day after the day on which the act or determination appealed was made. If any person challenges an action taken on the foregoing matter(s) in court, they may be limited to raising only those issues which were raised at the public hearing described in this notice, or in written correspondence delivered to the Board of Supervisors at or prior to the public hearing.

** This project requires a Coastal Development Permit, the approval of which is appealable to the California Coastal Commission. (Grounds for appeal are listed in Section 13.20.122 of the County Code.) The appeal must be filed with the Coastal Commission within ten working days of receipt by the Coastal Commission of notice of final local action.

For more information, call the project planner noted in the above project description.

MEMO

TO: Board of Directors
FROM: District Manager
SUBJECT: ACCEPTANCE OF MANANA WOODS WATER DISTRIBUTION SYSTEM
DATE: June 2, 2016

RECOMMENDATION:

It is recommended the District Manager review the attached resolutions and recommend Board approval for the purpose of accepting various Water Utility Easements and Fee Title to property from the Manana Woods Mutual Water Company to complete the transfer of all needed water utility easements and fee title for property, treatment plants, water tanks, pump stations, and water pipelines.

BACKGROUND:

The Manana Woods Water Distribution system has been combined with the San Lorenzo Valley Water District System. The District is presently operating the water system. The acceptance of fee title property for the treatment plants, water distribution tanks, pump stations and the water utility easements for all the needed pipelines completes the legal process for accepting the Manana Woods Mutual Water system. Manana Woods has also quitclaimed all unnecessary water pipeline easements back to the property owners on which these unnecessary water utility easement lie.

SUMMARY:

It is recommended the District Manager review the attached resolutions and recommend Board approval for the purpose of recording various water utility easements for water pipelines and Fee Title to real property, water tanks, pump stations, treatment plants, and pipelines from the Manana Woods Mutual Water Company for the completion of the transfer of the Manana Woods Mutual Water Company water system to the San Lorenzo Valley Water District.

FISCAL IMPACT:

None

2016 STRATEGIC PLAN:

Strategic Element 1.0 - Water Supply Management

**SAN LORENZO VALLEY WATER DISTRICT
RESOLUTION NO. 42 (15-16)**

RESOLUTION FOR ACCEPTANCE OF FEE TITLE to Assessor Parcel Number (APN) 022-601-13 & A WATER UTILITY EASEMENT ON PORTIONS OF OTHER APN'S

WHEREAS, staff has determined that water utility easements and fee title is needed to transfer a well, treatment plant, and pipelines from the Manana Woods Mutual Water Company to the San Lorenzo Valley Water District to provide water service; and

WHEREAS, the District desires to provide water service; and

WHEREAS, Manana Woods Mutual Water Company, the owner water treatment and production equipment, APN 022-601-13, and water utility pipelines and easements on portions of other APNs, desires to grant fee title to APN 022-601-13, all water production and treatment equipment contained within APN 022-601-13, and various water utility pipelines and easements to the San Lorenzo Valley Water District; and

WHEREAS, the Manana Woods Mutual Water Company agrees to grant fee title and water utility easements of their property; and

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the San Lorenzo Valley Water District hereby agrees to accept fee title to APN 022-601-13, all water production and treatment equipment located on APN 022-601-13, and various water utility pipelines and easements on various APNs. Further, be it resolved that the District Manager is hereby authorized and directed to carry out all necessary actions to accomplish said tasks and record said easement on behalf of and for the benefit of the San Lorenzo Valley Water District.

PASSED AND ADOPTED by the Board of Directors of the San Lorenzo Valley Water District, County of Santa Cruz, State of California, on the 2nd day of June, 2016, by the following vote of the members thereof:

AYES:

NOES:

ABSTAIN:

ABSENT:

Holly Morrison, District Secretary
San Lorenzo Valley Water District

**SAN LORENZO VALLEY WATER DISTRICT
RESOLUTION NO. 43 (15-16)**

**RESOLUTION FOR ACCEPTANCE OF FEE TITLE TO Assessor Parcel Number
(APN) 067-371-04, and a WATER UTILITY EASEMENT for a portion of APN 067-371-12**

WHEREAS, staff has determined that water utility easements and fee title is needed to water storage tank and pipelines from the Manana Woods Mutual Water Company to the San Lorenzo Valley Water District to provide water service; and

WHEREAS, the District desires to provide water service; and

WHEREAS, Manana Woods Mutual Water Company, the owner of the “Blue” water tank located on APN 067-371-04 and a water utility pipeline and easement located on a portion of APN 067-371-12, desires to grant fee title to APN 067-371-04, the water tank and all other equipment located on APN 067-371-04, and a water utility pipeline and easement located on APN 067-371-12 to the San Lorenzo Valley Water District; and

WHEREAS, the Manana Woods Mutual Water Company agrees to grant fee title and water utility easements of their property; and

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the San Lorenzo Valley Water District hereby agrees to accept fee title to APN 067-371-04, the water tank and all other equipment located on APN 067-371-04, and a water utility pipeline and easement located on APN 067-371-12. Further, be it resolved that the District Manager is hereby authorized and directed to carry out all necessary actions to accomplish said tasks and record said easement on behalf of and for the benefit of the San Lorenzo Valley Water District.

PASSED AND ADOPTED by the Board of Directors of the San Lorenzo Valley Water District, County of Santa Cruz, State of California, on the 2nd day of June, 2016, by the following vote of the members thereof:

AYES:

NOES:

ABSTAIN:

ABSENT:

Holly Morrison, District Secretary
San Lorenzo Valley Water District

**SAN LORENZO VALLEY WATER DISTRICT
RESOLUTION NO. 44 (15-16)**

**RESOLUTION FOR ACCEPTANCE OF FEE TITLE to
Assessor Parcel Number (APN) 022-601-05**

WHEREAS, staff has determined that water utility easements and fee title is needed to water storage tank and pipelines from the Manana Woods Mutual Water Company to the San Lorenzo Valley Water District to provide water service; and

WHEREAS, the District desires to provide water service; and

WHEREAS, Manana Woods Mutual Water Company, the owner APN 022-601-05 and of the various water production and treatment facilities located on APN 022-601-05, desires to grant fee title to APN 022-601-05, and all water production and treatment facilities and all other equipment located on APN 022-601-05 to the San Lorenzo Valley Water District; and

WHEREAS, the Manana Woods Mutual Water Company agrees to grant fee title of their property; and

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the San Lorenzo Valley Water District hereby agrees to accept fee title to APN 022-601-05, and all water production and treatment facilities and all other equipment located on APN 022-601-05. Further, be it resolved that the District Manager is hereby authorized and directed to carry out all necessary actions to accomplish said tasks and record said easement on behalf of and for the benefit of the San Lorenzo Valley Water District.

PASSED AND ADOPTED by the Board of Directors of the San Lorenzo Valley Water District, County of Santa Cruz, State of California, on the 2nd day of June, 2016, by the following vote of the members thereof:

AYES:

NOES:

ABSTAIN:

ABSENT:

Holly Morrison, District Secretary
San Lorenzo Valley Water District

**SAN LORENZO VALLEY WATER DISTRICT
RESOLUTION NO. 45 (15-16)**

**RESOLUTION FOR ACCEPTANCE OF A
WATER UTILITY EASEMENT ON A PORTION OF APN 067-371-02**

WHEREAS, staff has determined that water utility easements and fee title is needed to water storage tank and pipelines from the Manana Woods Mutual Water Company to the San Lorenzo Valley Water District to provide water service; and

WHEREAS, the District desires to provide water service; and

WHEREAS, Manana Woods Mutual Water Company, the owner of a water pipeline and easement located on APN 067-371-02, desires to grant the pipeline and easement to the San Lorenzo Valley Water District; and

WHEREAS, the Manana Woods Mutual Water Company agrees to grant title of their property; and

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the San Lorenzo Valley Water District hereby agrees to accept title to the pipeline and easement located on APN 067-371-02. Further, be it resolved that the District Manager is hereby authorized and directed to carry out all necessary actions to accomplish said tasks and record said easement on behalf of and for the benefit of the San Lorenzo Valley Water District.

PASSED AND ADOPTED by the Board of Directors of the San Lorenzo Valley Water District, County of Santa Cruz, State of California, on the 2nd day of June, 2016, by the following vote of the members thereof:

AYES:

NOES:

ABSTAIN:

ABSENT:

Holly Morrison, District Secretary
San Lorenzo Valley Water District

**SAN LORENZO VALLEY WATER DISTRICT
RESOLUTION NO. 46 (15-16)**

**RESOLUTION FOR ACCEPTANCE OF A
WATER UTILITY EASEMENT ON A PORTION OF VARIOUS APNs**

WHEREAS, staff has determined that water utility easements and fee title is needed to water storage tank and pipelines from the Manana Woods Mutual Water Company to the San Lorenzo Valley Water District to provide water service; and

WHEREAS, the District desires to provide water service; and

WHEREAS, Manana Woods Mutual Water Company, the owner of a water pipelines and easements located on various APNs, desires to grant the pipelines and easements to the San Lorenzo Valley Water District; and

WHEREAS, the Manana Woods Mutual Water Company agrees to grant title of their property; and

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the San Lorenzo Valley Water District hereby agrees to accept title to the pipeline and easement located on various APNs. Further, be it resolved that the District Manager is hereby authorized and directed to carry out all necessary actions to accomplish said tasks and record said easement on behalf of and for the benefit of the San Lorenzo Valley Water District.

PASSED AND ADOPTED by the Board of Directors of the San Lorenzo Valley Water District, County of Santa Cruz, State of California, on the 2nd day of June, 2016, by the following vote of the members thereof:

AYES:

NOES:

ABSTAIN:

ABSENT:

Holly Morrison, District Secretary
San Lorenzo Valley Water District

Accounts Payable

Outstanding Invoices

User: KendraNegro
 Printed: 5/26/2016 - 10:19 AM
 Date Type: JE Date
 Date Range: 05/13/2016 to 05/26/2016

BILL LIST SUMMARY
 Check Register Total : \$120,153.10
 AP Outstanding Total: \$51,111.27
 Payroll 5/25: \$86,426.82
TOTAL FOR APPROVAL: \$257,691.19



13060 Highway 9
 Boulder Creek, CA 95006-9119
 (831) 338-2153 phone
 (831) 338-7986 fax

Vendor

Account Number	JE Date	Invoice Date	Invoice No	Journal Entry	Amount	Description
00047 - SOIL CONTROL LAB						
01-800-5202	5/25/2016	4/13/2016	6050308	00139-11-2016	145.00	GENERAL PHYSICAL (WATER)
01-800-5202	5/25/2016	5/18/2016	6050472	00139-11-2016	145.00	GENERAL PHYSICAL (WATER)
Total for Vendor 00047 - SOIL CONTROL LAB:					290.00	
00076 - ERNIE'S AUTO CENTER						
01-400-5410	5/25/2016	4/28/2016	657338	00139-11-2016	53.68	BATTERY FOR TRUCK 309
Task Label:		Type:	PO Number:	0000100499		
01-800-5410	5/25/2016	5/17/2016	659319	00139-11-2016	171.01	TRUCK 181MAINTENANCE
Task Label:		Type:	PO Number:	0000100532		
Total for Vendor 00076 - ERNIE'S AUTO CENTER:					224.69	
00080 - GRANITE CONSTRUCTION CO						
01-400-5300	5/25/2016	5/3/2016	973796	00139-11-2016	33.95	BASE ROCK - BUENA VISTA REPAIRS
Task Label:		Type:	PO Number:	0000100520		
01-400-5300	5/25/2016	5/2/2016	973926	00139-11-2016	43.30	BASE ROCK -TWO BAR RD REPIARS
Task Label:		Type:	PO Number:	0000100523		
01-400-5300	5/25/2016	5/11/2016	976875	00139-11-2016	516.52	HOT MIX
Task Label:		Type:	PO Number:	0000100538		
Total for Vendor 00080 - GRANITE CONSTRUCTION CO:					593.77	
00097 - JIM WALTERS TRACTOR						
01-400-5200	5/25/2016	5/16/2016	5748	00139-11-2016	120.00	SPOIL EREMOVAL
Task Label:		Type:	PO Number:	0000100547		
Total for Vendor 00097 - JIM WALTERS TRACTOR:					120.00	
00115 - ATKINSON-FARASYN						
01-100-5210	5/25/2016	5/10/2016	051016	00139-11-2016	893.75	LEGAL SERVICES - 4/18/16 - 4/29/16
01-100-5210	5/25/2016	5/10/2016	051016A	00139-11-2016	1,100.00	LEGAL SERVICES - 4/13/16 - 5/9/16

Vendor	Account Number	JE Date	Invoice Date	Invoice No	Journal Entry	Amount	Description
Total for Vendor 00115 - ATKINSON-FARASYN:						1,993.75	
00129 - UNITED RENTALS NORTHWEST INC							
	01-400-5300	5/25/2016	4/30/2016	133296423-006	00139-11-2016	1,298.33	FUEL CELLS
	Task Label:		Type:	PO Number:	0000100504		
Total for Vendor 00129 - UNITED RENTALS NORTHWEST INC:						1,298.33	
00137 - BRINK'S TROPHY SHOPPE							
	01-100-5600	5/25/2016	5/18/2016	77876	00139-11-2016	194.70	PLAQUES
Total for Vendor 00137 - BRINK'S TROPHY SHOPPE:						194.70	
00145 - BATTERIES PLUS							
	01-800-5300	5/25/2016	4/29/2016	300233	00139-11-2016	165.26	BATTERIES - LYON
	Task Label:		Type:	PO Number:	0000100528		
Total for Vendor 00145 - BATTERIES PLUS:						165.26	
00156 - STERLING WATER TECHNOLOGIES							
	01-800-5300	5/25/2016	4/26/2016	5225	00139-11-2016	1,940.39	POLYMER FOR KIRBY WTP
	Task Label:		Type:	PO Number:	0000100502		
Total for Vendor 00156 - STERLING WATER TECHNOLOGIES:						1,940.39	
00212 - COUNTY OF SANTA CRUZ							
	01-500-5200	5/25/2016	6/12/2016	051216	00139-11-2016	22,197.00	STEELHEAD MONITORING
	Task Label: EXP-1516001A		Type: E	PO Number:			
Total for Vendor 00212 - COUNTY OF SANTA CRUZ:						22,197.00	
00220 - BAY BUILDING JANITORIAL,INC							
	01-100-5420	5/25/2016	5/15/2016	28460	00139-11-2016	424.42	JANITORIAL SERVICE - MAY 2016
Total for Vendor 00220 - BAY BUILDING JANITORIAL,INC:						424.42	
00236 - IDEXX DISTRIBUTION CORP							
	01-800-5300	5/25/2016	5/5/2016	3002325704	00139-11-2016	1,009.84	COLILERT MEDIA, VESSELS
	Task Label:		Type:	PO Number:	0000100521		
Total for Vendor 00236 - IDEXX DISTRIBUTION CORP:						1,009.84	
00283 - MOUNTAIN MECHANICS							

Vendor	Account Number	JE Date	Invoice Date	Invoice No	Journal Entry	Amount	Description
00283 - MOUNTAIN MECHANICS	01-800-5410	5/25/2016	5/12/2016	051216	00139-11-2016	95.91	TRUCK 249 MAINTENANCE
	Task Label:		Type:	PO Number:	0000100525		
Total for Vendor 00283 - MOUNTAIN MECHANICS:						95.91	
00290 - CONTRACTOR COMPLIANCE & MONIT	01-000-1565	5/25/2016	5/2/2016	6979	00139-11-2016	605.00	PHASE 2 - INTERTIE 2,3,4
Total for Vendor 00290 - CONTRACTOR COMPLIANCE & MONIT:						605.00	
00329 - GRAINGER	01-800-5300	5/25/2016	5/5/2016	9103580883	00139-11-2016	266.49	LAB SUPPLIES
	Task Label:		Type:	PO Number:	0000100537		
	01-800-5300	5/25/2016	5/6/2016	9104089207	00139-11-2016	119.62	LAB SUPPLIES
	Task Label:		Type:	PO Number:	0000100536		
Total for Vendor 00329 - GRAINGER:						386.11	
00342 - BRASS KEY LOCKSMITH	01-100-5420	5/25/2016	5/3/2016	944437	00139-11-2016	184.18	RE-KEY JOHNSON BUILDING PROPERTY
Total for Vendor 00342 - BRASS KEY LOCKSMITH:						184.18	
00343 - ERNIE'S SERVICE CENTER	01-800-5410	5/25/2016	4/8/2016	50795	00139-11-2016	113.12	TRUCK 249 MAINTENANCE
	Task Label:		Type:	PO Number:	0000100533		
	01-800-5410	5/25/2016	5/9/2016	51468	00139-11-2016	84.24	SERVICE TRUCK 181
	Task Label:		Type:	PO Number:	0000100518		
Total for Vendor 00343 - ERNIE'S SERVICE CENTER:						197.36	
00359 - ALLIED ELECTRONICS	01-800-5300	5/25/2016	5/6/2016	9006014578	00139-11-2016	1,961.65	BATTERY BACKUP
	Task Label:		Type:	PO Number:	0000100529		
Total for Vendor 00359 - ALLIED ELECTRONICS:						1,961.65	
00362 - ACCELA, INC #774375	01-200-5610	5/25/2016	4/30/2016	33057	00139-11-2016	1,994.00	WEB PAYMENT TRANSACTION FEES
Total for Vendor 00362 - ACCELA, INC #774375:						1,994.00	
00367 - INFOSEND, INC							

Vendor	Account Number	JE Date	Invoice Date	Invoice No	Journal Entry	Amount	Description
00367 - INFOSEND, INC							
	01-200-5650	5/25/2016	4/29/2016	105254	00139-11-2016	2,591.27	POSTAGE FOR STATEMENTS
	01-200-5200	5/25/2016	4/29/2016	105254	00139-11-2016	1,098.98	MAILING SERVICES
Total for Vendor 00367 - INFOSEND, INC:						3,690.25	
00450 - EUROFINS EATON ANALYTICAL, INC							
	01-800-5202	5/25/2016	5/12/2016	264011	00139-11-2016	80.00	PASO ARESENIC TOTALS
	01-800-5202	5/25/2016	4/17/2016	264600	00139-11-2016	680.00	PEAVINE CREEK TESTING
	01-800-5202	5/25/2016	5/23/2016	265472	00139-11-2016	200.00	FALL CREEK H20 TESTING
Total for Vendor 00450 - EUROFINS EATON ANALYTICAL, INC:						960.00	
00512 - RIVERSIDE LIGHTING							
	01-400-5300	5/25/2016	5/9/2016	C139251	00139-11-2016	25.48	ELECTRICAL PARTS
	Task Label:		Type:	PO Number:	0000100524		
Total for Vendor 00512 - RIVERSIDE LIGHTING:						25.48	
00539 - MILLER-MAXFIELD, INC							
	01-100-5200	5/25/2016	4/30/2016	0416SLV	00139-11-2016	312.50	PUBLIC OUTREACH CONSULTING SERVICES
Total for Vendor 00539 - MILLER-MAXFIELD, INC:						312.50	
00550 - HACH COMPANY							
	01-800-5300	5/25/2016	3/7/2016	2126333	00139-11-2016	-152.31	CREDIT
	01-800-5300	5/25/2016	5/9/2016	9920183	00139-11-2016	883.32	REAGENT SET
	Task Label:		Type:	PO Number:	0000100545		
Total for Vendor 00550 - HACH COMPANY:						731.01	
00727 - ULINE SHIPPING SUPPLY							
	01-400-5401	5/25/2016	4/22/2016	76377276	00139-11-2016	278.62	SAFETY EQUIPMENT
	Task Label:		Type:	PO Number:	0000100503		
Total for Vendor 00727 - ULINE SHIPPING SUPPLY:						278.62	
00760 - DYNAMIC PRESS							
	01-100-5600	5/25/2016	5/10/2016	20517	00139-11-2016	355.66	BUSINESS CARDS
	01-200-5600	5/25/2016	5/19/2016	20564	00139-11-2016	445.58	48 HR DOOR HANGERS
Total for Vendor 00760 - DYNAMIC PRESS:						801.24	

Vendor	Account Number	JE Date	Invoice Date	Invoice No	Journal Entry	Amount	Description
00944 - PDN CONSULTING	01-100-5200	5/25/2016	4/30/2016	1212	00139-11-2016	415.00	MONTHLY SERVER BACKUP
Total for Vendor 00944 - PDN CONSULTING:						415.00	
01039 - ERA - A WATERS COMPANY	01-800-5300	5/25/2016	5/9/2016	793111	00139-11-2016	453.57	LAB SUPPLIES
	Task Label:		Type:	PO Number:	0000100534		
Total for Vendor 01039 - ERA - A WATERS COMPANY:						453.57	
01053 - WATERWAYS CONSULTING, INC.	01-000-1565	5/25/2016	5/17/2016	11816	00139-11-2016	2,942.50	FALL CREEK FISH LADDER PHASE 3
	Task Label: CAP-1516007A		Type: E	PO Number:			
Total for Vendor 01053 - WATERWAYS CONSULTING, INC.:						2,942.50	
10025 - BADGER METER, INC	01-400-5200	5/25/2016	5/12/2016	80006664	00139-11-2016	80.99	BEACON CELLULAR STANDARD
	Task Label:		Type:	PO Number:	0000100262		
Total for Vendor 10025 - BADGER METER, INC:						80.99	
10067 - NBS	01-100-5200	5/25/2016	5/10/2016	51600008	00139-11-2016	1,250.00	ASSESSMENT DISTRICT CONSUTLING FEES
Total for Vendor 10067 - NBS:						1,250.00	
10072 - WATER SYSTEMS CONSULTING, INC	01-500-5200	5/25/2016	4/30/2016	1964	00139-11-2016	543.75	UWMP - 4/1 - 4/31/16
Total for Vendor 10072 - WATER SYSTEMS CONSULTING, INC:						543.75	
10074 - FRANK O. MAY & ASSOCIATES	01-100-5200	5/25/2016	4/13/2016	16-0093	00139-11-2016	2,750.00	APPRAISAL FEES
Total for Vendor 10074 - FRANK O. MAY & ASSOCIATES:						2,750.00	
Report Total:						51,111.27	

Accounts Payable

Checks by Date - Detail by Check Number

User: KendraNegro
Printed: 5/26/2016 10:17 AM



13060 Highway 9
Boulder Creek, CA 95006-9119
(831) 338-2153 phone
(831) 338-7986 fax

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Void Checks	Check Amount
11134	00729 6051456	ALPHA ANALYTICAL LABS WASTEWATER MONITORING	05/20/2016		428.00
Total for Check Number 11134:				0.00	428.00
11135	00137 76942	BRINK'S TROPHY SHOPPE NAME PLATES	05/20/2016		79.93
Total for Check Number 11135:				0.00	79.93
11136	00415 MAY 2016 MAY 2016 MAY 2016	CA BANK & TRUST/GOV SVC DEPT 1976 SAFE DRINKING WATER BOND BANK 1976 SAFE DRINKING WATER BOND PRINC 1976 SAFE DRINKING WATER BOND INTER	05/20/2016		15.00 11,828.29 3,738.14
Total for Check Number 11136:				0.00	15,581.43
11137	00475 050616	COASTAL WATERSHED COUNCIL WATERSHED EDUCATION GRANT - 90%	05/20/2016		2,700.00
Total for Check Number 11137:				0.00	2,700.00
11138	00265 2287 2287	COMMUNITY TELEVISION OF MEETING COVERAGE - 4/21/16 MEETING COVERAGE - 4/7/16	05/20/2016		175.00 150.00
Total for Check Number 11138:				0.00	325.00
11139	00273 81686291 81686291	CORELOGIC, INC. REALQUEST PROPERTY REPORTS - FINAN REALQUEST PROPERTY REPORTS - ENGIN	05/20/2016		93.75 93.75
Total for Check Number 11139:				0.00	187.50
11140	00212 79038	COUNTY OF SANTA CRUZ HEALTH PERMIT	05/20/2016		709.00
Total for Check Number 11140:				0.00	709.00
11141	00962 050516 050516A	COUNTY OF SANTA CRUZ LAFCO FEES - LOMPICO LAFCO FEES - SLVWD	05/20/2016		842.19 8,772.49
Total for Check Number 11141:				0.00	9,614.68
11142	00384 516-01 516-02	D.W. ALLEY & ASSOCIATES FALL CREEK FISH PASSAGE STUDY STREAM MONITORING PROJECT	05/20/2016		5,012.50 992.00
Total for Check Number 11142:				0.00	6,004.50
11143	00343	ERNIE'S SERVICE CENTER	05/20/2016		

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Void Checks	Check Amount
	51278	TRUCK #338 SERVICE			1,713.47
	51385	OIL FILTER, WASHER FLUID			73.19
			Total for Check Number 11143:	0.00	1,786.66
11144	00450 262866	EUROFINS EATON ANALYTICAL, INC WATER ANALYSIS - ARSENIC TOTALS	05/20/2016		80.00
			Total for Check Number 11144:	0.00	80.00
11145	00118 63762154	FARMER BROTHERS COFFEE COFFEE & SUPPLIES	05/20/2016		171.10
			Total for Check Number 11145:	0.00	171.10
11146	00750 043016	FEDAK & BROWN, LLP AUDIT SERVICES	05/20/2016		8,500.00
			Total for Check Number 11146:	0.00	8,500.00
11147	00365 16005	FREITAS + FREITAS LAFCO MAP & DESCRIPTION FOR MERGE	05/20/2016		13,183.47
			Total for Check Number 11147:	0.00	13,183.47
11148	00329 9101007723	GRAINGER LAB SUPPLIES	05/20/2016		230.20
			Total for Check Number 11148:	0.00	230.20
11149	00336 4-2016	LAND TRUST OF SANTA CRUZ CNTY OLYMPIA WATERSHED PATROL SERVICE	05/20/2016		955.50
			Total for Check Number 11149:	0.00	955.50
11150	10067 416000036 416000116	NBS OLYMPIA CIRCLE ASSESSMENT FEES COST OF SERVICE FINANCIAL STUDY	05/20/2016		1,250.00 6,239.90
			Total for Check Number 11150:	0.00	7,489.90
11151	00751 050616	SLV ELEMENTARY WATERSHED EDUACTION GRANT - 90%	05/20/2016		2,250.00
			Total for Check Number 11151:	0.00	2,250.00
11152	00461 1604044156	SPECTER INSTRUMENTS ANNUAL SOFTWARE RENEWAL	05/20/2016		495.00
			Total for Check Number 11152:	0.00	495.00
11153	00555 5352626	STORDOK DOCUMENT SHREDDING SERVICE	05/20/2016		45.00
			Total for Check Number 11153:	0.00	45.00
11154	00480 4511	LAW OFFICE OF MARY TOPLIFF LEGAL SERVICES RENDERED THROUGH 4	05/20/2016		960.00
			Total for Check Number 11154:	0.00	960.00
11155	00721 3993600	UNITED SITE SVCS.,INC QUAIL 5 TOILET - SERVICE AND CLEANIN	05/20/2016		157.18

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Void Checks	Check Amount
			Total for Check Number 11155:	0.00	157.18
11157	00767 925260941	ANTHEM BLUE CROSS MEDICARE RX - RETIRED EMPLOYEE	05/20/2016		132.00
			Total for Check Number 11157:	0.00	132.00
11158	10023 2986251	AT & T CAPITAL SERVICES, INC TELEPHONE SYSTEM MAINTENANCE	05/20/2016		396.07
			Total for Check Number 11158:	0.00	396.07
11159	00687 050516 050616 050716	AT&T U-VERSE INTERNET SERVICE - OPS INTERNET SERVICE - OPS INTERNET SERVICE - 345 QUAIL TERRACE	05/20/2016		70.00 77.00 67.00
			Total for Check Number 11159:	0.00	214.00
11160	00378 032816 033016 040716 040816 041116 041316 041916 042116 042216 042216A 042316 042516	BANK OF THE WEST LUNCHEON MEETING LUNCHEON MEETING LUNCHEON MEETING ACWA CONFERENCE - J MICHELSEN ACWA MEETING, BOARD, DIST MGR. LUNCHEON MEETING CLOUD SERVICES BOOK LUNCHEON MEETING WEBINAR CONTRACT SERVICES - MAILCHIMP LUNCHEON MEETING	05/20/2016		51.18 24.14 25.51 350.00 3,475.00 18.85 138.60 133.14 25.51 65.00 50.00 25.60
			Total for Check Number 11160:	0.00	4,382.53
11161	00444 032416 040616 041916 042016 042216	COSTCO-CAPITAL ONE COMMERCIAL Office Supplies Office Supplies Office Supplies Office Supplies Office Supplies	05/20/2016		50.12 238.14 265.20 75.76 58.43
			Total for Check Number 11161:	0.00	687.65
11162	10073 050916 051616	KEN GIROUARD ENGINEERING CONSULTING SERVICES ENGINEERING CONSULTING SERVICES	05/20/2016		1,560.00 260.00
			Total for Check Number 11162:	0.00	1,820.00
11163	UB*00094	Alyssa & Sean Machado Refund Check Refund Check Refund Check	05/20/2016		5.79 22.06 20.19
			Total for Check Number 11163:	0.00	48.04
11164	UB*00095	PAUL MORICONI Refund Check	05/20/2016		164.72

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Void Checks	Check Amount
			Total for Check Number 11164:	0.00	164.72
11165	00263 043016	RAYNE WATER CONDITIONING WATER SOFTENER SERVICE	05/20/2016		31.75
			Total for Check Number 11165:	0.00	31.75
11166	10075 065-181-24	MICHAEL SHULTS CUSTOMER INSTALLATION REFUND	05/20/2016		340.25
			Total for Check Number 11166:	0.00	340.25
11167	01056 050516	BEAU SIFTON EMPLOYEE REIMBURSEMENT	05/20/2016		93.07
			Total for Check Number 11167:	0.00	93.07
11168	00044 042716	STAPLES LCD PROJECTOR - CONFERENCE ROOM	05/20/2016		481.70
			Total for Check Number 11168:	0.00	481.70
11169	10077 052516	ESTATE OF JAMES R MENZIES, II PAYROLL 3/31 - 4/7/16	05/26/2016		17,173.56
			Total for Check Number 11169:	0.00	17,173.56
11170	00545 MAY 2016	AFLAC SUPPLEMENTAL INSURANCE - MAY 2016	05/26/2016		445.52
			Total for Check Number 11170:	0.00	445.52
11171	00057 JUNE 2016	AFSCME COUNCIL 57 UNION DUES	05/26/2016		684.42
			Total for Check Number 11171:	0.00	684.42
11172	00102 051116	ANDY ROBUSTELLI EMPLOYEE UNIFORM REIMBURSEMENT	05/26/2016		146.14
			Total for Check Number 11172:	0.00	146.14
11173	00309 051116 051116 051116	AT&T IP SERVICES IP SERVICES - WTP IP SERVICES - OPS IP SERVICES - ADMIN	05/26/2016		242.20 242.20 242.20
			Total for Check Number 11173:	0.00	726.60
11174	00686 051316 051316 051316	AT&T LONG DISTANCE LONG DISTANCE_WTP_5/13/16 LONG DISTANCE_ADMIN_5/13/16 LONG DISTANCE_OPS_5/13/16	05/26/2016		250.27 13.89 46.07
			Total for Check Number 11174:	0.00	310.23
11175	00115 JUNE 2016	ATKINSON-FARASYN LEGAL SERVICES	05/26/2016		3,500.00
			Total for Check Number 11175:	0.00	3,500.00
11176	00099	JOEL BUSA	05/26/2016		

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Void Checks	Check Amount
	JUNE 2016	CALPERS MEDICAL			125.00
			Total for Check Number 11176:	0.00	125.00
11177	00363 JUNE 2016	CINCINNATI LIFE INSURANCE CO LIFE INSURANCE - JUNE 2016	05/26/2016		28.00
			Total for Check Number 11177:	0.00	28.00
11178	00788 051116 051616 051916	COMCAST INTERNET SERVICE_23 SUMMIT AVE INTERNET SERVICE_264 ORCHARD RD INTERNET SERVICE_7400 HWY 9	05/26/2016		138.92 136.08 141.08
			Total for Check Number 11178:	0.00	416.08
11179	00505 XJW14WRD5 XJWMK4873	DELL MARKETING LP WTP PC PURCHASE FEE	05/26/2016		2,683.06 41.00
			Total for Check Number 11179:	0.00	2,724.06
11180	00565 050516	DETLEF ADAM EMPLOYEE UNIFORM REIMBURSEMENT	05/26/2016		194.85
			Total for Check Number 11180:	0.00	194.85
11181	10073 052016	KEN GIROUARD ENGINEERING CONSULTING SERVICES	05/26/2016		130.00
			Total for Check Number 11181:	0.00	130.00
11182	00267 2004-634	MARTIN B FEENEY MANANA WOODS WELL REHAB	05/26/2016		7,636.25
			Total for Check Number 11182:	0.00	7,636.25
11183	00662 JUNE 2016	JAMES A. MUELLER CALPERS MEDCAL	05/26/2016		50.00
			Total for Check Number 11183:	0.00	50.00
11184	00240 JUNE 2016	NEW RESOURCE BANK SOLAR LEASE - JUNE 2016	05/26/2016		2,380.00
			Total for Check Number 11184:	0.00	2,380.00
11185	00054 051716	PACIFIC GAS & ELECTRIC 140 ELENA CT ANNUAL REVENUE PYMT	05/26/2016		753.01
			Total for Check Number 11185:	0.00	753.01
11186	00409 051116	PURCHASE POWER POSTAGE	05/26/2016		500.00
			Total for Check Number 11186:	0.00	500.00
11187	00011 051316 051316A 051316A 051316A 051316A	VERIZON WIRELESS TABLET CHARGES CELL PHONE CHARGES-ADMIN CELL PHONE CHARGES-WTP CELL PHONE CHARGES-OPS CELL PHONE CHARGES-ENG	05/26/2016		369.90 85.44 314.15 648.62 85.44

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Void Checks	Check Amount
			Total for Check Number 11187:	0.00	1,503.55
			Report Total (53 checks):	0.00	120,153.10

CASH REQUIREMENTS

THIS REPORT SUMMARIZES YOUR PAYROLL TRANSACTIONS FOR THE CHECK DATE 05/25/16. IT DOES NOT REFLECT MISCELLANEOUS ADMINISTRATIVE CHARGES. PLEASE REFER TO YOUR INVOICE(S) FOR THE TOTAL CASH REQUIRED FOR THIS CHECK DATE.

TRANSACTION DETAIL

ELECTRONIC FUNDS TRANSFER - Your financial institution will initiate transfer to Paychex *at or after 12:01 A.M.* on transaction date.

<u>TRANS. DATE</u>	<u>BANK NAME</u>	<u>ACCOUNT NUMBER</u>	<u>PRODUCT</u>	<u>DESCRIPTION</u>		BANK DRAFT AMOUNTS & OTHER TOTALS
05/24/16	WELLS FARGO BANK, NA	xxxxxx1358	Direct Deposit	Net Pay Allocations	38,643.51	38,643.51
05/24/16	WELLS FARGO BANK, NA	xxxxxx1358	Taxpay®	Employee Withholdings		
				Social Security	5,405.65	
				Medicare	1,264.22	
				Fed Income Tax	9,863.22	
				CA Income Tax	3,205.06	
				CA Disability	784.70	
				Total Withholdings	20,522.85	
				Employer Liabilities		
				Social Security	5,405.63	
				Medicare	1,264.22	
				Fed Unemploy	5.55	
				Total Liabilities	6,675.40	27,198.25
05/24/16	WELLS FARGO BANK, NA	xxxxxx1358	401(k) Traditional	PXROTH 401 EEPO	956.88	
				PX401 EECU		
				PX401 ERMTCH		
				PXROTH 401 EECU		
				PX401 ERCUM		
				PX401 EEPRE	898.56	1,855.44
05/24/16	WELLS FARGO BANK, NA	xxxxxx1358	Section 125	PXDCA EE PRE	443.16	
				PXUME EE PRE	350.00	793.16
EFT FOR 05/24/16						68,490.36
TOTAL EFT (Does not reflect administrative charges)						68,490.36

NEGOTIABLE CHECKS - Check amounts will be debited when payees cash checks. Funds must be available on check date.

<u>TRANS. DATE</u>	<u>BANK NAME</u>	<u>ACCOUNT NUMBER</u>	<u>PRODUCT</u>	<u>DESCRIPTION</u>		<u>TOTAL</u>
05/25/16	WELLS FARGO BANK, NA	xxxxxx1358	Payroll	Check Amounts	17,936.46	
TOTAL NEGOTIABLE CHECKS						17,936.46

CASH REQUIREMENTS

THIS REPORT SUMMARIZES YOUR PAYROLL TRANSACTIONS FOR THE CHECK DATE 05/25/16. IT DOES NOT REFLECT MISCELLANEOUS ADMINISTRATIVE CHARGES. PLEASE REFER TO YOUR INVOICE(S) FOR THE TOTAL CASH REQUIRED FOR THIS CHECK DATE.

REMAINING DEDUCTIONS / WITHHOLDINGS / LIABILITIES - Paychex does not remit these funds. You must ensure accurate and timely payment of applicable items.

<u>TRANS. DATE</u>	<u>BANK NAME</u>	<u>ACCOUNT NUMBER</u>	<u>PRODUCT</u>	<u>DESCRIPTION</u>	<u>TOTAL</u>
05/25/16	Refer to your records for account	Information	Payroll	Employee Deductions	
				Advance	600.58
				Aflc/Col Post	55.11
				Aflc/Col Pre	302.75
				Calper 457	125.00
				DPer	5,557.43
				Health	1,923.45
				ICMA	1,535.00
				Life Ins	14.00
				Union dues	342.21
				Total Deductions	10,455.53
TOTAL REMAINING DEDUCTIONS / WITHHOLDINGS / LIABILITIES (Does not reflect administrative charges)					10,455.53

PAYCHEX WILL MAKE THESE TAX DEPOSIT(S) ON YOUR BEHALF - This information serves as a record of payment.

<u>DUE DATE</u>	<u>PRODUCT</u>	<u>DESCRIPTION</u>	
06/02/16	Taxpay®	FED IT PMT Group	23,202.94
06/02/16	Taxpay®	CA IT PMT Group	3,989.76

MEMO

TO: Board of Directors
FROM: District Manager
SUBJECT: Discussion and Possible Action Regarding Proclaiming June 20 -
26, 2016 Amateur Radio Week
DATE: May 25, 2016

RECOMMENDATION:

It is recommended that the Board of Directors review this memo and approve the attached resolution and proclamation designating June 20 -26, 2016 as Amateur Radio Week.

BACKGROUND:

The designation of Amateur Radio Week is an effort to recognize the contributions and support this very important emergency preparedness exercise by Santa Cruz County amateur radio operators. During several past Disasters Amateur Radio operators have staged at various Fire Stations in the San Lorenzo Valley and provided valuable communications when other communications systems were out of service.

FISCAL IMPACT:

None

2016 STRATEGIC PLAN:

Strategic Element 6.0 - Public Affairs
Strategic Element 7.0 - Strategic Partners

The San Lorenzo Valley Water District

RESOLUTION NO. 40 (15-16)

WHEREAS, the Federal Communications Commission licenses all amateur radio operators to provide public and emergency communications, develop and maintain a pool of radio operators, and promote domestic and international goodwill; and

WHEREAS, the *Santa Cruz County Amateur Radio Club, Santa Cruz County Emergency Radio Services, San Lorenzo Valley Amateur Radio Club, and the UCSC Amateur Radio Club* operators are known throughout the county, state and nation for their outstanding dedication and commitment to safety and preparedness; and

WHEREAS, amateur radio operators in Santa Cruz and Santa Cruz County provide thousands of hours of volunteer support to local agencies including; CAL FIRE, S.C Sheriff's Office, Santa Cruz Police Department, the American Red Cross, the Department of Homeland Security, the National Weather Service and the Salvation Army. They also provide invaluable assistance during parades, charity bike rides, running and walking events; and

WHEREAS, local amateur radio operators work closely with federal, state, city and county emergency service organizations to provide volunteer communication services during disaster such as earthquakes, tsunamis, wild fires, severe weather, communications and power outages, accidents and other emergencies; and

WHEREAS, the amateur radio community represented by the Santa Cruz Amateur Radio Club, the Santa Cruz County Amateur Radio Emergency Service (A.R.E.S.), San Lorenzo Valley Amateur Radio Club and the UCSC Radio Club have been active supporting the Emergency Operations Center, CAL FIRE, the Sheriff's Department, California Highway Patrol, Search & Rescue, Large Animal Rescue Team, groups and volunteer agencies in their contributions of service to the community; and

WHEREAS, this year's Amateur Radio Relay League Field Day exercises will take place at the CAL FIRE Training Facility in Ben Lomond and at UCSC East Field on Saturday, June 25 and Sunday, June 26.

NOW, THEREFORE, the Board of the San Lorenzo Valley Water District, do hereby resolve June 20-26, 2016, as

Amateur Radio Week

in San Lorenzo Valley Water District of California and call on all residents to support this very important emergency preparedness exercise, and recognize the tremendous contributions the Santa Cruz County Amateur Radio Club, Santa Cruz County Emergency Radio Services, San Lorenzo Valley Amateur Radio Club, and the UCSC Amateur Radio Club operators have made to our community.

Passed and adopted by the Board of Directors of the San Lorenzo Valley Water District, County of Santa Cruz, State of California, on the 2nd day of June, 2016, by the following vote of the members thereof:

AYES:
NAYS:
ABSTAIN:
ABSENT:

Holly Morrison, District Secretary
San Lorenzo Valley Water District

Official Invitation



SANTA CRUZ COUNTY EMERGENCY COMMUNICATIONS EXERCISE FIELD DAY 2016

Dear President Brown and SLVWD Board of Directors,

As a representative of the following local groups: the Santa Cruz County Amateur Radio Club, San Lorenzo Valley Amateur Radio Club, Santa Cruz County Amateur Radio Emergency Services and the UCSC Amateur Radio club, I want to personally invite you to their Emergency Communications Field Day event. This annual event is being held at the CAL FIRE training facility on Empire Grade in Ben Lomond and at UCSC East Field on June 25 and 26.

As you know, Amateur Radio operators from Santa Cruz County play a vital role in disaster response and relief for the citizens of San Lorenzo Valley and all of the residents in Santa Cruz County.

Recent activities include the 2011 Tsunami, phone system outages, wildfires, large animal evacuation, and of course, the disaster response to the Loma Prieta earthquake in 1989. Our teams of experienced communications operators assist County Communications and the 911 center as Disaster Service Workers providing much needed communications assets in times of emergencies, disasters and community events.

This field day exercise is a national function of the ARRL and it provides a working practicum for establishing "on the fly" disaster communications operations centers.

Best regards,

Suellene Petersen

Public Information Coordinator
ARRL Pacific Division, Santa Clara Valley Section

Point of Contact: Suellene Petersen, ARES
Public Information Coordinator, 831-335-2662 or
Email: K6CPA@arrl.net

EVENT: 2016 Emergency Communications Field Day

WHERE: **Site #1** CAL-FIRE Training Facility .

WHEN: Saturday & Sunday – JUNE 25 and 26

TIME: 11:00am – 8:00 pm Saturday / 11:00am - 12:00 pm / Sunday

MEMO

To: Board of Directors

From: District Manager

SUBJECT: DISCUSSION AND POSSIBLE ACTION REGARDING RESOLUTION
NO. 41 (15-16) SUPPORTING DIRECTOR MARGARET BRUCE TO
SERVE ON THE ASSOCIATION OF CALIFORNIA WATER AGENCIES
GROUNDWATER COMMITTEE

DATE: June 2, 2016

RECOMMENDATION

It is recommended that the Board of Directors approve the attached Resolution No. 41 (15-16).

BACKGROUND

Director Bruce has expressed an interest in serving as the District's representative on ACWA's Groundwater Committee. ACWA Committee information is attached for Board Review, along with a draft Resolution of Support.

STRATEGIC PLAN:

Element 9.2 – Board Development

FISCAL IMPACT:

None

SAN LORENZO VALLEY WATER DISTRICT

RESOLUTION NO. 41 (15-16)

SUBJECT: SUPPORT FOR DIRECTOR MARGARET BRUCE TO SERVE AS DISTRICT REPRESENTATIVE FOR PURPOSES OF ATTENDANCE AND PARTICIPATION IN THE ASSOCIATION OF CALIFORNIA WATER AGENCIES GROUNDWATER COMMITTEE

WHEREAS, Margaret Bruce serves as a Director of the San Lorenzo Valley Water District; and

WHEREAS, the District is a member of the Association of California Water Agencies (ACWA); and

WHEREAS, Director Bruce has expressed a desire to serve as the District's Representative for the ACWA Groundwater Committee; and

WHEREAS, the District encourages Director participation in Committees and Boards of affiliated agencies such as the ACWA.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the San Lorenzo Valley Water District that the District supports and encourages Director Bruce's participation in the ACWA's Groundwater Committee.

PASSED AND ADOPTED by the Board of Directors of the San Lorenzo Valley Water District, County of Santa Cruz, State of California, on the 2nd day of June, 2016, by the following vote of the members thereof:

AYES:
NOES:
ABSENT:
ABSTAIN:

Holly Morrison, District Secretary
San Lorenzo Valley Water District



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Committee Appointment Process

ACWA eNews

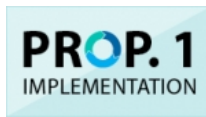
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All ACWA committees are reconstituted every two years. Committee members are appointed for two-year terms that begin on January 1 of even-numbered years.

The appointment process begins in August of odd-numbered years and is completed by December 31.

Please note: All current committee members must submit a committee consideration form to be considered for reappointment.

2016-2017 Committee Appointments

Deadline to submit consideration forms is Sept. 30, 2015.

[Click here for information and forms](#)

Appointment Process Timeline

The following timelines reflects the committee appointment process.

Early August – Committee appointment packets sent to ACWA member agency general managers and board presidents. The packets include:

- ▶ A list of all agency staff or directors currently serving on ACWA committees
- ▶ Committee descriptions and purposes / responsibilities
- ▶ Committee consideration forms and sample forms

Mid-August – Letters sent to all current committee members notifying them of the reappointment process.

Late September / Early October – Deadline for all committee consideration forms to be submitted to ACWA.

October – Committee consideration forms are compiled and sent to incoming ACWA region chairs and vice chairs for review and recommendation.

Mid-November – Incoming region chairs and vice chairs make recommendations for appointing committee members from their regions.

Early December – Region committee recommendations are compiled and sent to the incoming ACWA president for consideration.

Mid-December – ACWA president completes committee appointments for upcoming two-year term.

December 31 – Official appointment letters are sent to new committee members for upcoming term.

Early January – Letters are sent to those not appointed to committee. Names placed on waiting list for future consideration as vacancies occur.

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ACWA COMMITTEE COMPOSITION

COMMITTEE	COMPOSITION*	DESIGNATION
Business Development	1 / region min. 1 from other standing committees	Standing; unlimited
Communication	40 maximum	Standing; limited
Energy	1 / region min.	Standing; unlimited
Federal Affairs	5 / region max.	Standing; limited
Finance	2 / region max. <i>1 is always the Region Chair or VC, the 2nd is selected from the region—someone with a financial background</i>	Standing; limited
Groundwater	1 / region min.	Standing; unlimited
Legal Affairs	45 maximum	Standing; limited
Local Government	3 / region max.	Standing; limited
Membership	1 / region min.	Standing; unlimited
State Legislative	4 / region max.	Standing; limited
Water Management	4 / region max.	Standing; limited
Water Quality	1/ region min.	Standing; unlimited

***COMMITTEE CHAIRS AND THEIR AGENCY ARE NOT COUNTED IN THE TOTAL MAXIMUM COUNT.** (If the committee chair is from agency xyz, then someone from agency xyz can also be on the committee because the committee chair is not counted in the maximum count.)

O:/ACWA Committees/ACWA Committee Composition REVISED May 2014

ACWA POLICY COMMITTEE GUIDELINES Revised May 21, 2013

GENERAL COMMITTEES

1. All committees of the Association shall strive to provide continuity in leadership, shall geographically distribute membership and shall ensure all regions are adequately represented.
2. All committee chairs, vice chairs, and members shall be appointed by the president, and shall serve for a term to coincide with that of the president.
3. Nominations for committee appointments shall be made in writing by members for consideration by the region chair and vice chair. If an agency chooses to designate a representative other than a director or salaried staff member, written confirmation to that effect must be received in the ACWA office prior to appointment consideration. Nomination forms (aka Committee Consideration Form) can be obtained from the Association office or on-line at www.acwa.com.
 - a. Where membership on a given ACWA committee is limited, only one representative from an agency may be appointed. Since we do not count the chairperson in the maximum count, then one person could be on the committee that is from the same agency as the chairperson. Other individuals representing an agency may serve on subcommittees of that committee.
 - b. Unlimited committees may have more than one representative from an agency on their committees.
4. The committee chairperson shall:
 - a. chair all meetings of the committee;
 - b. submit a written report regarding committee activities for all meetings of the Board of Directors (with assistance from the ACWA staff committee liaison).
 - c. pre-schedule meetings and check the ACWA calendar to foster total committee member attendance and avoid conflicts.

The vice chairperson shall assume those duties in the chairperson's absence.

5. All committee appointments are made by the ACWA president following recommendations submitted by the region chairs and vice chairs. The appointments are for two years and run simultaneously with the board term. Committee chairpersons may appoint subcommittees as necessary to carry out the committee responsibilities. **<The subchair must be a member of the full committee, subcommittee members do not need to be a member of the full committee.>**

ACWA COMMITTEES

PURPOSES AND RESPONSIBILITIES

IMPORTANT COMMITTEE INFORMATION

ATTENDANCE REQUIREMENTS FOR **LIMITED** COMMITTEES:

Two consecutive, unexcused absences from an ACWA limited committee shall constitute a resignation and a replacement will be named as soon as possible. Travel required to any area of the state where a committee meeting is being held, and lack of a travel budget will not constitute an excused absence.

****NOTE: When a committee member is “unable” to attend a meeting and has asked for an excused absence in advance of the meeting, they may send a representative from their agency for monitoring purposes only. However, the committee member will still be recorded with an excused absence from the meeting. The representative does not have a voting right.****

STATE LEGISLATIVE COMMITTEE ONLY: The State Legislative Committee will allow a member of the committee with an excused absence to designate an alternate. The committee member will be required to secure the concurrence of the appropriate ACWA Region Chair for the alternate. The committee member should provide the name of the alternate to ACWA's Director of State Relations prior to the committee meeting. The alternate will be authorized to fully participate in all discussions of the committee and to vote on issues before the committee. Committee members, including alternates, act on behalf of the region for which they were appointed to represent.

GRASSROOTS OUTREACH:

As a member of the committee, you will be enrolled as an active participant in ACWA's Grassroots Outreach Program. See ACWA's website for more information on the grassroots outreach program which supports ACWA's legislative and regulatory efforts.

COMMITTEE VACANCIES WILL NOT BE FILLED AFTER THE SPRING CONFERENCE OF AN UPCOMING ELECTION YEAR.

BLUE INDICATES BYLAW COMMITTEE LANGUAGE.

ACWA COMMITTEES
PURPOSES AND RESPONSIBILITIES

PAGE 2

BUSINESS DEVELOPMENT COMMITTEE-STANDING/UNLIMITED

ACWA COMMITTEE STAFF LIAISON: PAULA CURRIE

MEETINGS ARE HELD 2 TIMES A YEAR

- One in person or conference call

The purpose of the ACWA Business Development Committee is to develop and recommend to the Board of Directors programs and activities to be provided or administered by the Association that generate non-dues revenue and provide a service or benefit to Association members. The committee shall consist of at least one representative from each region and one representative from the other standing committees.

COMMUNICATIONS COMMITTEE - STANDING/LIMITED (40 MAXIMUM)

ACWA COMMITTEE STAFF LIAISON: LISA LIEN-MAGER

MEETINGS ARE HELD 4 TIMES A YEAR

- One at both the Fall and Spring conferences
- Two at the Sacramento office between conferences

The purpose of the ACWA Communications Committee is to develop and make recommendations to the Board of Directors regarding a comprehensive internal and external communications program for the Association. Programs are crafted to support ACWA and its members' positions on legislative, regulatory, and policy issues.

The committee is responsible for developing and updating a comprehensive communications plan for ACWA. The committee promotes the development and implementation of sound public information and education programs and practices among member agencies. It prepares materials that can be duplicated or used by member agencies for their local public information/education efforts. The committee also provides guidance to ACWA's Communications Department.

ENERGY COMMITTEE – STANDING/UNLIMITED

ACWA COMMITTEE STAFF LIAISON: REBECCA FRANKLIN

MEETINGS ARE HELD 2 TIMES A YEAR

- One at both the Fall and Spring conferences

The purpose of the Energy Committee is to recommend policies and programs to the Board of Directors and to the State Legislative Committee and/or Federal Affairs Committee as appropriate. Work with staff in developing and making recommendations to the Board of Directors regarding:

- ♦ Programs to assure an adequate power supply for member agencies, including energy, availability, pricing, distribution and hydro generation
- ♦ Policy recommendations relating to the development of new power sources

ACWA COMMITTEES
PURPOSES AND RESPONSIBILITIES

PAGE 3

- ◆ Recommended positions regarding state and federal legislation to the State Legislative and Federal Affairs Committees
- ◆ Assistance with the development, direction and work associated with representation before the Public Utilities Commission, the Federal Energy Regulatory Commission and other regulatory agencies dealing with energy
- ◆ Educate members on all energy matters having impact on their operations

FEDERAL AFFAIRS COMMITTEE - *STANDING/LIMITED* (5 PER REGION)

ACWA COMMITTEE STAFF LIAISON: DAVID REYNOLDS

MEETINGS ARE HELD 4 TIMES A YEAR

- One at both the Fall and Spring conferences
- Two between conferences (Jan & Sept) in the Sacramento office
- DC Conference ~ Attendance is not REQUIRED, but STRONGLY encouraged

The purpose of the Federal Affairs Committee is to review all federal legislative proposals and regulatory proposals affecting members of the Association, after consulting with other appropriate committees, and to develop Association positions consistent with existing policy, where it has been established; recommend sponsorship of bills that will resolve problems or improve conditions for members of the Association; and assist in the establishment of the Association's federal legislative program. The committee shall consist of at least one and no more than five individuals from each region. Coordinates with other ACWA committees regarding their input on any issues directly related to federal issues before both Congress and the Federal administrative branches.

The committee currently has four separate subcommittees. Committee members have the opportunity to sign-up for as many of the subcommittees as they want, plus being supplemented by other members with interest in a focused area. The subcommittees with areas of responsibility are:

- ◆ Drinking Water & Energy Subcommittee: Responsible for the oversight and policy direction on Environmental Protection Agency and Energy-Water Nexus.
- ◆ Water Supply Subcommittee: Responsible for oversight and policy direction on the Safe Drinking Water Act and Endangered Species Act.
- ◆ Infrastructure & Agriculture Subcommittee: Responsible for oversight and policy direction on the Clean Water Act, and agricultural issues.
- ◆ Finance, Technology & Research Subcommittee: Responsible for oversight and policy direction on financing water infrastructure legislation.

ACWA COMMITTEES
PURPOSES AND RESPONSIBILITIES

PAGE 4

FINANCE COMMITTEE - *STANDING/LIMITED* (2 PER REGION – 1 SPOT IS FILLED BY REGION CHAIR OR VICE CHAIR; OTHER SPOT IS FILLED BY A REPRESENTATIVE FROM REGION WITH EXPERIENCE IN FINANCIAL MATTERS)

ACWA COMMITTEE STAFF LIAISON: *FILI GONZALEZ*

MEETINGS ARE HELD APPROXIMATELY 4-5 TIMES A YEAR

- One at both the Fall and Spring conferences
- All other meetings are held in the Sacramento office

The purpose of the Finance Committee is to make recommendations to the Board of Directors regarding annual budgets, dues formula and schedules and other revenue-producing income, annual audit and selection of an auditor, and investment strategies. Makes recommendations to the Board of Directors regarding annual budgets, investment strategies, annual audits and the selection of the auditor, the dues formula and schedules and other financial matters that may come before the committee. Each committee member will be expected to serve on at least one of the subcommittees, which are:

- ◆ Audit Subcommittee
- ◆ Budget Subcommittee
- ◆ Investment Subcommittee
- ◆ Revenue Subcommittee
- ◆ Education Subcommittee

GROUNDWATER COMMITTEE - *STANDING/UNLIMITED*

ACWA COMMITTEE STAFF LIAISON: *DAVE BOLLAND*

MEETINGS ARE HELD 4 TIMES A YEAR

- One at both the Fall and Spring conferences
- One in Northern California between conferences
- One in Southern California between conferences

The purpose of the Groundwater Committee is to recommend policies and programs to the Board of Director and to the State Legislative Committee and/or Federal Affairs Committee as appropriate. Monitors state and federal regulations and legislation that could affect the quality or quantity of groundwater, conducts studies, develops policies regarding the management of groundwater and coordinates with other ACWA committees on issues directly related to groundwater.

Committee members are expected to participate in a variety of activities including writing legislation, preparing comments for state or federal hearings on groundwater issues, developing programs for workshops and conferences, and providing input on state and federal legislation.

ACWA COMMITTEES
PURPOSES AND RESPONSIBILITIES

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LEGAL AFFAIRS COMMITTEE - *STANDING/LIMITED* (45 MAXIMUM)

ACWA COMMITTEE STAFF LIAISON: WHITNIE WILEY

MEETINGS ARE HELD APPROXIMATELY 2-3 TIMES A YEAR

- One at both the Fall and Spring conferences
- As needed in between the conferences

The purpose of the Legal Affairs Committee is to support the mission of the Association, and more particularly to deal with requests for assistance involving legal matters of significance to members of the Association, including but not limited to state and federal court litigation, water rights matters, selected regulatory and resources agency matters, proposed bylaw revisions, review of legislation as requested by the State Legislative Committee, etc. The committee shall consider matters and issues submitted to it in order to determine which ones are of major significance to members of the Association and, assuming a finding of major significance, recommend to the Board of Directors the position(s) which the committee believes the Association should take with respect thereto. The committee shall be composed of between 35 and 45 attorneys, each of whom shall be, or act as, counsel for a member of the Association, representing diverse interests within the Association, including but not limited to, different geographical areas throughout the state, large and small agencies, agricultural and urban agencies, agencies created under the various enabling statues, etc. The committee's primary purpose is to support the mission of the Association, and more particularly, to deal with requests for assistance involving legal matters of significance to ACWA member agencies, water rights matters, proposed ACWA bylaw revisions, etc. The committee also works with staff to produce publications to assist water agency officials in complying with applicable state and federal laws. The committee's areas of responsibility include:

- ◆ Amicus curia filings on important cases
- ◆ Commenting on proposed regulations and guidelines of state agencies such as Fair Political Practices Commission regulations or opinions and CEQA implementation guidelines
- ◆ Entering a suit as primary litigant
- ◆ Dealing with any water rights matters of interest to member agencies
- ◆ Reviewing all proposed ACWA bylaws for technical competence and consistency with the nonprofit corporation law and other bylaws

ACWA COMMITTEES
PURPOSES AND RESPONSIBILITIES

PAGE 6

LOCAL GOVERNMENT COMMITTEE - *STANDING/LIMITED* (3 PER REGION)

ACWA COMMITTEE STAFF LIAISON: WENDY RIDDERBUSCH

MEETINGS ARE HELD 4 TIMES A YEAR

- One at both the Fall and Spring conferences
- Two in between the conferences in the Sacramento office

The purpose of the Local Government Committee is to recommend policies to the State Legislative Committee, as appropriate, and Board of Directors on matters affecting water agencies as a segment of local government in California.

- ◆ Recommends policies to the State Legislative Committee and the Board of Directors on matters affecting water agencies as a segment of local government in California, such as planning issues and local government organization and finance
- ◆ Plans and presents a program at each ACWA conference relating to local governance issues affecting water agencies
- ◆ Gathers data and disseminates information on the value of special districts
- ◆ Disseminates information promoting excellence in service delivery
- ◆ As a member of the committee, you will be enrolled as an active participant in ACWA's Outreach Program.

MEMBERSHIP COMMITTEE - *STANDING/UNLIMITED*

ACWA COMMITTEE STAFF LIAISON: TIFFANY GIAMMONA

MEETINGS ARE HELD 2 TIMES A YEAR

- One at both the Fall and Spring conferences

The purpose of the Membership Committee is to assist staff in developing membership recruitment and retention programs, make recommendations to the Board of Directors regarding membership policies, eligibility, and applications for membership and review and make recommendations to the Finance Committee regarding an equitable dues structure. Takes any suggestions regarding ACWA policy to the ACWA Board of Directors for approval, meets to review and make recommendations regarding membership eligibility and all membership applications; assists the staff with the development of recruitment and retention programs and reviews and makes recommendations regarding an equitable dues structure to the ACWA Finance Committee.

ACWA COMMITTEES
PURPOSES AND RESPONSIBILITIES

PAGE 7

STATE LEGISLATIVE COMMITTEE - *STANDING/LIMITED* (4 PER REGION)

ACWA STAFF LIAISON: WENDY RIDDERBUSCH

MEETINGS ARE HELD APPROXIMATELY 10-12 TIMES A YEAR

- Every three weeks during Session in the Sacramento Office
- One planning meeting at the end of the year in the Sacramento Office

The purpose of the State Legislative Committee is to review all state legislative proposals affecting members of the Association and to establish Association positions, consistent with existing policy, where it has been established; sponsor bills that will resolve problems or improve conditions for members of the Association; and assist in the establishment of the Association's legislative program. Sets state legislative policy for the Associations. Committee members are responsible for reading relevant legislation, developing positions, working with staff to draft appropriate amendments to bills, providing input to the ACWA Board of Directors, and directing ACWA legislative staff on legislative matters.

WATER MANAGEMENT COMMITTEE - *STANDING/LIMITED* (4 PER REGION)

ACWA COMMITTEE STAFF LIAISON: ADAM WALUKIEWICZ

MEETINGS ARE HELD 4 TIMES A YEAR

- One at both the Fall and Spring conferences
- Two between conferences in the Sacramento office

The purpose of the Water Management Committee is to recommend policy and programs to the Board of Directors on any area of concern in water management. Work with staff in developing and making recommendations to the Board of Directors regarding policy and programs on significant areas of concern in water management, review and recommend positions regarding legislation and regulations as requested by other committees.

The committee is also responsible for the gathering and dissemination of information regarding management of agricultural and domestic water, conjunctive use, water management and conservation activities, development and use of water resources, and wastewater treatment and its reclamation and reuse.

WATER QUALITY COMMITTEE - *STANDING/UNLIMITED*

ACWA COMMITTEE STAFF LIAISON: ADAM WALUKIEWICZ

MEETINGS ARE HELD 4 TIMES A YEAR

- One at both Fall and Spring conferences
- One in Northern California between conferences
- One in Southern California between conferences

Meeting time is allocated among three subcommittees: Aquatic Resources, Clean Water and Safe Drinking Water.

ACWA COMMITTEES
PURPOSES AND RESPONSIBILITIES

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The purpose of the Water Quality Committee is to develop and recommend Association policy, positions, and programs to the Board of Directors, to promote cost-effective state and federal water quality regulations that protect the public health, to enable interested members of the Association to join together to develop and coordinate with other organizations, and to present unified comments regarding agricultural and domestic water quality regulations. This committee was established to recommend policy and programs to the Board of Directors, State Legislative Committee and/or Federal Affairs Committee; promote cost effective state and federal water quality regulations affecting both agricultural and domestic water agencies; and provide a means for members to work together to develop and present unified comments on water quality regulations, as well as to coordinate with other organizations. The ACWA bylaws provide authority to the committee to develop and recommend ACWA positions and testimony on water quality regulatory issues.

Revised: August 11, 2015



COMMITTEE CONSIDERATION FORM ASSOCIATION OF CALIFORNIA WATER AGENCIES

910 K Street, Suite 100
Sacramento, California 95814-3577
(916) 441-4545 Fax (916) 325-4856

NAME, TITLE & EMAIL ADDRESS	COMMITTEE	Rank*
Please print legibly		

***Rank**
1= 1st choice
2= 2nd choice
3= 3rd choice

QUESTIONS? Please call Paula Quinn at ACWA (916) 441-4545.

RECOMMENDATION SUBMITTED BY:

Official District/Company Name _____

PLEASE WRITE IN YOUR DISTRICT/COMPANY'S OFFICIAL NAME. PLEASE DO NOT USE ACRONYMS OR ABBREVIATIONS.

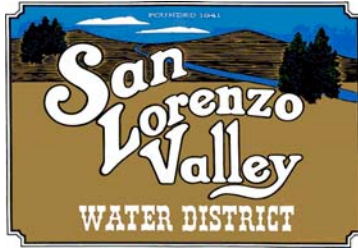
Official District/Company Address: _____

Phone _____

SIGNATURE: _____ Title _____

Either the Agency/District General manager or Board President must sign this form.

SAN LORENZO VALLEY WATER DISTRICT 2016/2017 ANNUAL BUDGET



BOARD OF DIRECTORS

PRESIDENT
VICE-PRESIDENT
BOARD MEMBER
BOARD MEMBER
BOARD MEMBER

RANDALL BROWN
GENE RATCLIFFE
CHARLES BAUGHMAN
MARGARET BRUCE
ERIC HAMMER

DISTRICT MANAGEMENT STAFF

DISTRICT MANAGER
DISTRICT COUNSEL
DISTRICT SECRETARY
DIRECTOR OF OPERATIONS
FINANCE MANAGER
ENVIRONMENTAL MANAGER
GIS/ENGINEERING MANAGER

BRIAN C. LEE
MARC HYNES
HOLLY MORRISON
RICK ROGERS
STEPHANIE HILL
JEN MICHELSEN
VACANT

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DRAFT

SUMMARY OF CHANGES IN REVENUE, EXPENSE AND NET POSITION

	FY1617 PROPOSED BUDGET			PRIOR YR BUDGET	FY1516 ESTIMATED
	WATER FUND	SEWER FUND	GRAND TOTAL		
OPERATING REVENUE	6,944,640	100,000	7,044,640	5,710,000	5,798,000
OPERATING EXPENSES	(6,694,043)	(115,718)	(6,809,761)	(5,849,755)	(5,846,283)
OPERATING INCOME BEFORE DEPRECIATION	250,597	(15,718)	234,879	(139,755)	(48,283)
DEPRECIATION EXPENSE	(1,504,000)	(52,000)	(1,556,000)	(1,200,000)	(1,336,134)
OPERATING GAIN (LOSS)	(1,253,403)	(67,718)	(1,321,121)	(1,339,755)	(1,384,417)
NON-OPERATING REVENUE	1,051,800	-	1,051,800	570,620	560,000
NON-OPERATING EXPENSE	(170,250)	-	(170,250)	(192,000)	(202,000)
NET INCOME (LOSS) BEFORE CAP. CONTRIB.	(371,853)	(67,718)	(439,571)	(961,135)	(1,026,417)
CAPITAL CONTRIBUIONS	50,000		50,000	1,270,475	2,990,000
CHANGE IN NET POSITION	(321,853)	(67,718)	(389,571)	309,340	1,963,583

SUMMARY OF CASHFLOW ACTIVITY

	WATER FUND	SEWER FUND	GRAND TOTAL
Cash flows from operating activities			
Operating Revenue	\$ 6,944,640	\$ 100,000	\$ 7,044,640
Operating Expenses	(6,694,043)	(115,718)	(6,809,761)
Net cash provided by operating activities	250,597	(15,718)	234,879
Cash flows from non-capital financing activities			
Revenue from non-operating activities	1,051,800	-	1,051,800
Net cash provided by non-operating activities	1,051,800	-	1,051,800
Cash flows from capital financing activities			
Capital expenditures	(3,379,900)	(400,000)	(3,779,900)
Receipts for reimbursable capital expenditures (1)	50,000		50,000
Principal paid on long term debt	(849,500)		(849,500)
Interest paid on long term debt	(170,250)		(170,250)
Net cash needed to provided capital financing activities	(4,349,650)	(400,000)	(4,749,650)
Net cash needed to provide District activities	\$ (3,047,253)	\$ (415,718)	\$ (3,462,971)

(1) Estimate for remaining Prop 50

REVENUE BUDGET

Budget Analysis FY1617

Account	Description	2017 Requested
01	WATER FUND	
R01	OPERATING REVENUE	
4100	WATER USAGE FEES	3,521,640
4110	BASIC CHARGE	3,326,000
4130	PENALTIES & LATE CHARGES	72,000
4140	SALE OF METERS	25,000
	OPERATING REVENUE Totals:	6,944,640
R02	NON-OPS REVENUE	
4200	PROPERTY TAXES	600,000
4201	ASSESSMENT REV. - OLY MUTUAL	57,600
4202	ASSESSMENT REV. - LOMPICO	302,400
4210	MOBILE SERVICES LEASE FEES	15,800
4230	RENTAL INCOME	36,000
4240	REIMB. FOR MANANA WOODS	35,000
4300	INTEREST - INVESTMENTS	5,000
	NON-OPS REVENUE Totals:	1,051,800
	WATER FUND REVENUES TOTALS:	7,996,440
02	WASTEWATER FUND	
R01	OPERATING REVENUE	
4120	SEWER CHARGES	100,000
	OPERATING REVENUE Totals:	100,000
	SEWER REVENUES TOTALS:	100,000
	TOTAL FUND REVENUES	<u>\$ 8,096,440</u>

SUMMARY OPERATING EXPENSE BY DEPARTMENT (LESS DEPRECIATION)

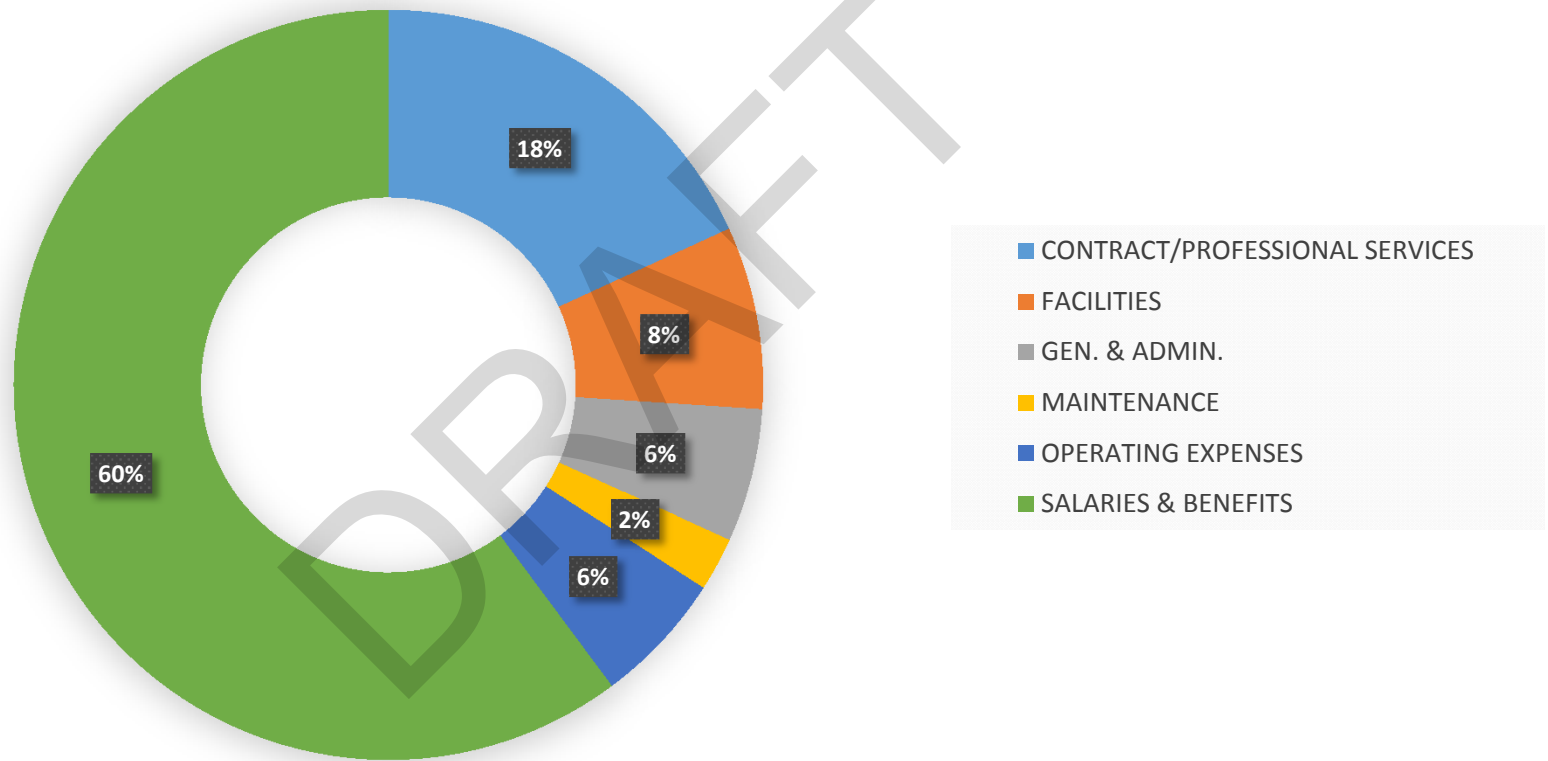
Department	2016 Adopted	2016 Estimated	2017 Requested	\$ vs. Adopted	\$ vs. Est 2016	% vs. Adopted	% vs. Est 2016
Admin.	731,300	891,647	1,031,838	300,538	140,191	41.1%	15.7%
Finance	674,045	709,176	707,048	33,003	(2,128)	4.9%	-0.3%
Engineering	176,175	168,643	179,531	3,356	10,888	1.9%	6.5%
Distribution	1,878,850	1,918,473	2,104,498	225,648	186,025	12.0%	9.7%
Watershed	499,235	467,131	619,421	120,186	152,290	24.1%	32.6%
Supply & Treatment	1,767,650	1,592,865	2,051,706	284,056	458,841	16.1%	28.8%
Sewer	122,500	98,348	115,718	(6,782)	17,369	-5.5%	17.7%
Total	5,849,755	5,846,283	6,809,760	960,005	963,477	16.4%	16.5%

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SUMMARY OPERATING EXPENSES BY ACCOUNT TYPE

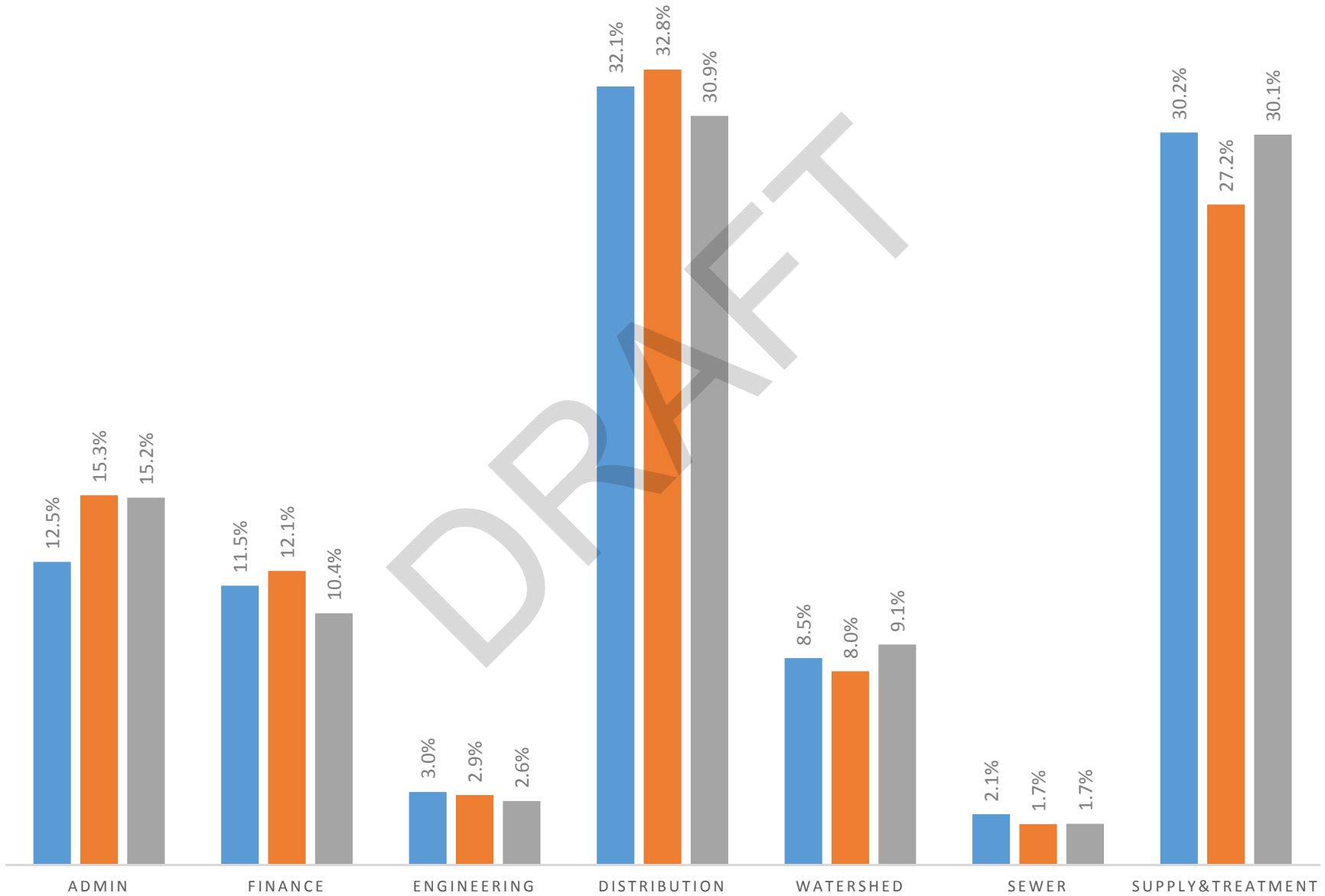
ACCOUNT #	ACCOUNT TYPE	2016 Adopted	2016 Estimated	2017 Requested	\$ vs. Adopted	\$ vs. Est 2016	% vs. Adopted	% vs. Est 2016
5100	REGULAR SALARIES	2,348,150	2,450,280	2,691,622	343,472	241,341	14.6%	9.8%
5101	DIRECTORS FEES	23,000	23,000	23,000	-	-	0.0%	0.0%
5120	OVERTIME WAGES	80,000	94,272	68,500	(11,500)	(25,772)	-14.4%	-27.3%
5130	STANDBY	31,500	31,500	31,500	-	-	0.0%	0.0%
5140	MEDICAL INSURANCE	414,300	397,979	464,482	50,182	66,503	12.1%	16.7%
5141	DENTAL INSURANCE	41,850	48,318	48,072	6,222	(246)	14.9%	-0.5%
5142	VISION INSURANCE	6,275	5,940	8,645	2,370	2,705	37.8%	45.5%
5143	LIFE INSURANCE	5,360	5,938	6,700	1,340	761	25.0%	12.8%
5144	LONG TERM DISABILITY	12,025	10,013	13,344	1,319	3,331	11.0%	33.3%
5145	WORKERS COMPENSATION	75,225	113,700	110,629	35,404	(3,071)	47.1%	-2.7%
5146	ASSISTANCE PROGRAM	1,250	496	1,470	220	974	17.6%	196.3%
5147	RETIRED EMPLOYEE MEDICAL	13,000	11,974	17,000	4,000	5,026	30.8%	42.0%
5150	PERS - RETIREMENT	279,400	170,234	350,751	71,351	180,517	25.5%	106.0%
5160	FICA - SOCIAL SECURITY	148,600	149,176	162,574	13,974	13,397	9.4%	9.0%
5161	MEDICARE	35,775	37,376	39,187	3,412	1,811	9.5%	4.8%
5170	OTHER PAYROLL CHARGES	2,000	1,217	2,000	-	783	0.0%	64.3%
5171	UNIFORMS	12,875	14,944	16,200	3,325	1,256	25.8%	8.4%
5172	CERTIFICATIONS	2,250	3,370	2,250	-	(1,120)	0.0%	-33.2%
5181	OPEB EXPENSE GASB 45	35,000	35,000	40,000	5,000	5,000	14.3%	14.3%
SALARIES & BENEFITS Totals:		3,567,835	3,604,729	4,097,927	530,092	493,199	14.9%	13.7%
5200	CONTRACT/PROFESSIONAL SERVICES	734,770	646,868	1,045,483	310,713	398,615	42.3%	61.6%
5201	AUDIT SERVICES	25,000	20,000	24,000	(1,000)	4,000	-4.0%	20.0%
5202	OUTSIDE WATER ANALYSIS	78,600	88,604	87,000	8,400	(1,604)	10.7%	-1.8%
5210	LEGAL SERVICES	60,000	79,364	80,000	20,000	636	33.3%	0.8%
CONTRACT/PROFESSIONAL Totals:		898,370	834,836	1,236,483	338,113	401,647	37.6%	48.1%
5300	OPERATING SUPPLIES	141,500	124,687	154,000	12,500	29,313	8.8%	23.5%
5301	CHEMICALS	34,000	28,579	35,000	1,000	6,421	2.9%	22.5%
5302	LAB SUPPLIES	12,000	8,465	24,500	12,500	16,035	104.2%	189.4%
5310	EQUIP NON-CAP	20,600	7,893	22,000	1,400	14,107	6.8%	178.7%
5311	SMALL TOOLS/MAINT & REPAIRS	13,500	5,886	18,500	5,000	12,614	37.0%	214.3%
5320	RENTALS/LEASES/PERMITS	131,000	125,404	136,000	5,000	10,596	3.8%	8.4%
OPERATING EXPENSES Totals:		352,600	300,915	390,000	37,400	89,085	10.6%	29.6%
5401	SAFETY EQUIPMENT - MAINTENANCE	-	2,880	2,000	2,000	(880)	-	-30.6%
5410	MAINT & OPERATIONS OF VEHICLES	98,500	110,182	101,500	3,000	(8,682)	3.0%	-7.9%
5420	BUILD MAINT-SERVICES & SUPPLYS	35,000	44,415	39,000	4,000	(5,415)	11.4%	-12.2%
5430	ROAD MAINTENANCE	15,000	5,000	15,000	-	10,000	0.0%	200.0%
MAINTENANCE Totals:		148,500	162,477	157,500	9,000	(4,977)	6.1%	-3.1%
5500	UTILITIES - DISTRICT OFFICE	414,000	352,209	404,000	(10,000)	51,791	-2.4%	14.7%
5510	TELEPHONE/COMMUNICATIONS	112,700	133,460	132,100	19,400	(1,360)	17.2%	-1.0%
FACILITIES Totals:		526,700	485,668	536,100	9,400	50,432	1.8%	10.4%
5600	OFFICE SUPPLIES	35,050	31,773	32,750	(2,300)	977	-6.6%	3.1%
5610	BANK CHARGES	30,000	50,000	50,400	20,400	400	68.0%	0.8%
5611	BAD DEBTS	6,000	6,000	6,000	-	-	0.0%	0.0%
5620	WATER CONSERVATION PROGRAM	65,000	97,418	26,000	(39,000)	(71,418)	-60.0%	-73.3%
5621	WATERSHED GRANTS DATA COLLECT	15,000	15,000	15,000	-	-	0.0%	0.0%
5622	EDUCATION PROGRAM	17,500	21,500	17,500	-	(4,000)	0.0%	-18.6%
5630	TRAINING, CONFERENCES & MEETINGS	20,200	22,262	31,700	11,500	9,438	56.9%	42.4%
5631	MEMBERSHIP & DUES	35,250	42,644	42,750	7,500	106	21.3%	0.2%
5632	SUBSCRIPTIONS/BOOKS	2,050	652	1,550	(500)	898	-24.4%	137.9%
5633	EMPLOYEE RECOGNITION PROGRAM	-	54	-	-	(54)	-	-100.0%
5634	AUTO ALLOWANCE	4,200	4,200	4,200	-	-	0.0%	0.0%
5640	ADVERTISING	4,000	5,270	5,000	1,000	(270)	25.0%	-5.1%
5650	POSTAGE	40,500	51,534	48,900	8,400	(2,634)	20.7%	-5.1%
5660	INSURANCE - PROPERTY	77,000	105,350	110,000	33,000	4,650	42.9%	4.4%
GEN. & ADMIN. Totals:		351,750	453,658	391,750	40,000	(61,908)	11.4%	-13.6%
5700	DEPRECIATION	1,200,000	1,336,134	1,556,000	356,000	219,866	29.7%	16.5%
5810	OVERHEAD	4,000	4,000	-	(4,000)	(4,000)	-100.0%	-100.0%
EXPENDITURES TOTALS:		7,049,755	7,182,417	8,365,760	1,316,006	1,183,343	18.7%	16.5%

FY1617 OPERATING EXPENSE % BY CATEGORY (LESS DEPRECIATION)



% OF OPERATING EXPENSES (LESS DEPRECIATION)

■ % of FY1516 Budget ■ % of FY1516 Est Actuals ■ % of FY1617 Proposed Budget



WATER FUND EXPENSE BUDGET (see Appendices 1-3 for further detail)

Budget Analysis FY1617

2014 Actual	2015 Actual	2016 Adopted	2016 Estimated	Account	Description	2017 Sub Totals	2017 Requested	\$ vs. Adopted	\$ vs. Est 2016	% vs. Adopted	% vs. Est 2016
				100	ADMINISTRATIVE						
				E01	SALARIES & BENEFITS						
358,127	243,270	223,000	243,062	5100	REGULAR SALARIES		257,045	34,045	13,983	15.3%	5.8%
11,975	19,100	23,000	23,000	5101	DIRECTORS FEES		23,000	-	-	0.0%	0.0%
20,153	36,701	40,500	47,074	5140	MEDICAL INSURANCE		29,915	(10,585)	(17,159)	-26.1%	-36.5%
1,395	2,479	2,900	5,800	5141	DENTAL INSURANCE		3,159	259	(2,641)	8.9%	-45.5%
237	408	450	481	5142	VISION INSURANCE		590	140	109	31.2%	22.7%
208	458	400	667	5143	LIFE INSURANCE		599	199	(67)	49.9%	-10.1%
598	904	1,150	1,258	5144	LONG TERM DISABILITY		1,285	135	27	11.8%	2.1%
1,968	1,933	1,100	2,500	5145	WORKERS COMPENSATION		1,465	365	(1,035)	33.2%	-41.4%
26	29	100	38	5146	ASSISTANCE PROGRAM		126	26	88	26.0%	230.2%
8,656	11,741	13,000	11,974	5147	RETIRED EMPLOYEE MEDICAL		17,000	4,000	5,026	30.8%	42.0%
20,259	22,178	24,700	17,520	5150	PERS - RETIREMENT		33,014	8,314	15,494	33.7%	88.4%
13,652	12,449	11,000	10,506	5160	FICA - SOCIAL SECURITY		10,512	(488)	6	-4.4%	0.1%
5,337	3,611	3,250	3,593	5161	MEDICARE		3,227	(23)	(366)	-0.7%	-10.2%
2,367	22,801	2,000	1,217	5170	OTHER PAYROLL CHARGES		2,000	-	783	0.0%	64.3%
(0)	(0)	-	-	5172	CERTIFICATIONS		-	-	-		
0	(3,133)	-	-	5180	PENSION EXPENSE GASB 68		-	-	-		
32,317	30,525	35,000	35,000	5181	OPEB EXPENSE GASB 45		40,000	5,000	5,000	14.3%	14.3%
477,272	405,453	381,550	403,690		SALARIES & BENEFITS Totals:	422,938		41,388.34	19,248.26	10.8%	4.8%
				E02	CONTRACT/PROFESSIONAL SERVICES						
180,294	124,841	112,550	140,000	5200	CONTRACT/PROFESSIONAL SERVICES		285,200	172,650	145,200	153.4%	103.7%
47,971	114,363	60,000	79,364	5210	LEGAL SERVICES		80,000	20,000	636	33.3%	0.8%
228,266	239,204	172,550	219,364		CONTRACT/PROFESSIONAL SERVICES Totals:	365,200		192,650.00	145,836.02	111.6%	66.5%

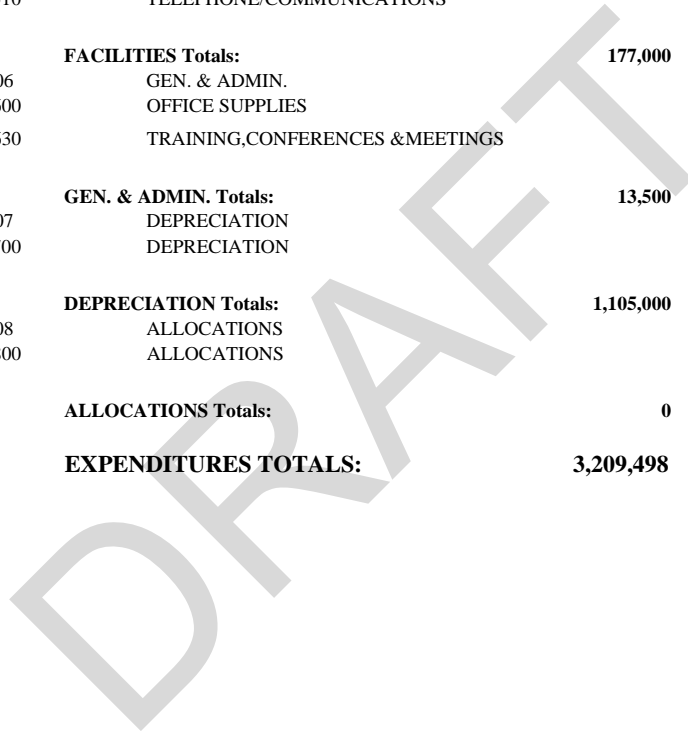
2014 Actual	2015 Actual	2016 Adopted	2016 Estimated	Account	Description	2017 Sub Totals	2017 Requested	\$ vs. Adopted	\$ vs. Est 2016	% vs. Adopted	% vs. Est 2016
				100	ADMINISTRATIVE						
				E03	OPERATING EXPENSES						
1,021	1,848	1,000	754	5320	RENTALS/LEASES/PERMITS		1,000	-	246	0.0%	32.6%
1,021	1,848	1,000	754		OPERATING EXPENSES Totals:	1,000		-	246.00	0.0%	32.6%
				E04	MAINTENANCE						
11,552	25,825	12,000	35,843	5420	BUILD MAINT-SERVICES & SUPPLYS		15,000	3,000	(20,843)	25.0%	-58.2%
11,552	25,825	12,000	35,843		MAINTENANCE Totals:	15,000		3,000.00	(20,842.90)	25.0%	-58.2%
				E05	FACILITIES						
8,774	10,472	12,000	10,572	5500	UTILITIES - DISTRICT OFFICE		12,000	-	1,428	0.0%	13.5%
16,323	19,969	18,000	24,177	5510	TELEPHONE/COMMUNICATIONS		18,000	-	(6,177)	0.0%	-25.5%
25,097	30,442	30,000	34,749		FACILITIES Totals:	30,000		-	(4,748.58)	0.0%	-13.7%
				E06	GEN. & ADMIN.						
8,078	24,513	10,000	8,224	5600	OFFICE SUPPLIES		10,000	-	1,776	0.0%	21.6%
24,881	80,197	-	338	5620	WATER CONSERVATION PROGRAM		-	-	(338)		-100.0%
18,298	4,375	-	6,200	5622	EDUCATION PROGRAM		-	-	(6,200)		-100.0%
1,729	11,600	5,000	14,510	5630	TRAINING, CONFERENCES & MEETINGS		15,000	10,000	490	200.0%	3.4%
8,281	12,320	33,000	40,388	5631	MEMBERSHIP & DUES		40,000	7,000	(388)	21.2%	-1.0%
302	1,570	500	652	5632	SUBSCRIPTIONS/BOOKS		500	-	(152)	0.0%	-23.3%
0	176	-	54	5633	EMPLOYEE RECOGNITION PROGRAM		-	-	(54)		-100.0%
4,200	1,276	4,200	4,200	5634	AUTO ALLOWANCE		4,200	-	-	0.0%	0.0%
1,923	4,844	4,000	5,270	5640	ADVERTISING		5,000	1,000	(270)	25.0%	-5.1%
90	87	500	12,062	5650	POSTAGE		13,000	12,500	938	2500.0%	7.8%
51,783	54,488	77,000	105,350	5660	INSURANCE - PROPERTY		110,000	33,000	4,650	42.9%	4.4%
119,565	195,445	134,200	197,248		GEN. & ADMIN. Totals:	197,700		63,500.00	452.24	47.3%	0.2%
				E07	DEPRECIATION						
0	0	-	4,000	5700	DEPRECIATION		10,000	10,000	6,000		150.0%
0	0	-	4,000		DEPRECIATION Totals:	10,000		10,000.00	6,000.00		150.0%
				E08	ALLOCATIONS						
(4,000)	(4,000)	-	-	5810	OVERHEAD		-	-	-		
(4,000)	(4,000)	-	-		ALLOCATIONS Totals:	0					
858,773	894,216	731,300	895,647		EXPENDITURES TOTALS:	1,041,838		310,538	146,191	42.5%	16.3%

2014 Actual	2015 Actual	2016 Adopted	2016 Estimated	Account	Description	2017 Sub Totals	2017 Requested	\$ vs. Adopted	\$ vs. Est 2016	% vs. Adopted	% vs. Est 2016
200 FINANCE											
				E01	SALARIES & BENEFITS						
265,227	374,631	365,000	364,457	5100	REGULAR SALARIES		358,537	(6,463)	(5,920)	-1.8%	-1.6%
0	0	500	1,877	5120	OVERTIME WAGES		-	(500)	(1,877)	-100.0%	-100.0%
35,715	41,011	55,700	66,000	5140	MEDICAL INSURANCE		68,945	13,245	2,945	23.8%	4.5%
3,198	4,568	6,400	9,452	5141	DENTAL INSURANCE		6,859	459	(2,593)	7.2%	-27.4%
658	874	1,000	963	5142	VISION INSURANCE		1,180	180	217	18.0%	22.6%
589	763	1,000	1,187	5143	LIFE INSURANCE		1,199	199	12	19.9%	1.0%
826	1,387	1,850	1,940	5144	LONG TERM DISABILITY		1,793	(57)	(147)	-3.1%	-7.6%
2,019	1,984	1,700	2,600	5145	WORKERS COMPENSATION		4,087	2,387	1,487	140.4%	57.2%
67	57	225	105	5146	ASSISTANCE PROGRAM		252	27	147	12.0%	140.1%
21,504	30,233	36,500	24,213	5150	PERS - RETIREMENT		24,468	(12,032)	255	-33.0%	1.1%
15,470	21,930	22,650	23,155	5160	FICA - SOCIAL SECURITY		22,229	(421)	(926)	-1.9%	-4.0%
3,781	5,129	5,300	5,415	5161	MEDICARE		5,199	(101)	(217)	-1.9%	-4.0%
0	0	-	-	5180	PENSION EXPENSE GASB 68		-	-	-		
349,054	482,565	497,825	501,364		SALARIES & BENEFITS Totals:	494,748		(3,077.05)	(6,616.27)	-0.6%	-1.3%
				E02	CONTRACT/PROFESSIONAL SERVICES						
37,509	44,344	60,220	75,000	5200	CONTRACT/PROFESSIONAL SERVICES		82,000	21,780	7,000	36.2%	9.3%
43,335	53,402	25,000	20,000	5201	AUDIT SERVICES		24,000	(1,000)	4,000	-4.0%	20.0%
80,844	97,746	85,220	95,000		CONTRACT/PROFESSIONAL SERVICES Totals:	106,000		20,780.00	11,000.00	24.4%	11.6%
				E03	OPERATING EXPENSES						
0	0	-	2,929	5310	EQUIP NON-CAP		-	-	(2,929)		-100.0%
0	0	-	2,929		OPERATING EXPENSES Totals:	0		-	(2,928.76)		-100.0%
				E06	GEN. & ADMIN.						
13,317	18,809	12,000	14,410	5600	OFFICE SUPPLIES		12,000	-	(2,410)	0.0%	-16.7%
23,483	30,641	30,000	50,000	5610	BANK CHARGES		50,400	20,400	400	68.0%	0.8%
6,000	0	6,000	6,000	5611	BAD DEBTS		6,000	-	-	0.0%	0.0%
0	1,774	3,000	-	5630	TRAINING, CONFERENCES & MEETINGS		2,000	(1,000)	2,000	-33.3%	
215	0	-	-	5632	SUBSCRIPTIONS/BOOKS		-	-	-		
32,068	50,359	40,000	39,473	5650	POSTAGE		35,900	(4,100)	(3,573)	-10.3%	-9.1%
75,083	101,584	91,000	109,883		GEN. & ADMIN. Totals:	106,300		15,300.00	(3,582.76)	16.8%	-3.3%
504,981	681,895	674,045	709,176		EXPENDITURES TOTALS:	707,048		33,003	(2,128)	4.9%	-0.3%

2014 Actual	2015 Actual	2016 Adopted	2016 Estimated	Account	Description	2017 Sub Totals	2017 Requested	\$ vs. Adopted	\$ vs. Est 2016	% vs. Adopted	% vs. Est 2016
300 ENGINEERING											
87,933	106,321	103,550	117,871	E01	SALARIES & BENEFITS						
				5100	REGULAR SALARIES		106,553	3,003	(11,319)	2.9%	-9.6%
14,236	15,225	16,000	15,812	5140	MEDICAL INSURANCE		16,681	681	869	4.3%	5.5%
1,229	1,271	1,300	1,517	5141	DENTAL INSURANCE		1,365	65	(152)	5.0%	-10.0%
200	179	200	196	5142	VISION INSURANCE		205	5	10	2.7%	5.0%
193	200	200	233	5143	LIFE INSURANCE		200	(0)	(33)	-0.1%	-14.3%
340	359	525	424	5144	LONG TERM DISABILITY		533	8	109	1.5%	25.7%
578	568	500	700	5145	WORKERS COMPENSATION		607	107	(93)	21.5%	-13.2%
19	19	50	19	5146	ASSISTANCE PROGRAM		42	(8)	23	-16.0%	120.1%
9,182	10,973	13,200	8,555	5150	PERS - RETIREMENT		19,819	6,619	11,264	50.1%	131.7%
5,327	6,079	6,450	7,359	5160	FICA - SOCIAL SECURITY		6,606	156	(753)	2.4%	-10.2%
1,246	1,422	1,525	1,721	5161	MEDICARE		1,545	20	(176)	1.3%	-10.2%
445	522	675	1,020	5171	UNIFORMS		675	-	(345)	0.0%	-33.8%
0	0	-	-	5180	PENSION EXPENSE GASB 68		-				
120,926	143,138	144,175	155,428		SALARIES & BENEFITS Totals:	154,831		10,656.45	(596.79)	7.4%	-0.4%
4,796	3,530	20,000	6,316	E02	CONTRACT/PROFESSIONAL SERVICES						
				5200	CONTRACT/PROFESSIONAL SERVICES		10,000	(10,000)	3,684	-50.0%	58.3%
4,796	3,530	20,000	6,316		CONTRACT/PROFESSIONAL SERVICES Totals:	10,000		(10,000.00)	3,683.86	-50.0%	58.3%
0	5,565	6,100	-	E03	OPERATING EXPENSES						
				5310	EQUIP NON-CAP		6,000	(100)	6,000	-1.6%	
0	5,565	6,100	-		OPERATING EXPENSES Totals:	6,000		(100.00)	6,000.00	-1.6%	
492	5,398	1,000	1,910	E04	MAINTENANCE						
				5410	MAINT & OPERATIONS OF VEHICLES		2,000	1,000	90	100.0%	4.7%
492	5,398	1,000	1,910		MAINTENANCE Totals:	2,000		1,000.00	90.04	100.0%	4.7%
1,087	1,160	1,200	3,028	E05	FACILITIES						
				5510	TELEPHONE/COMMUNICATIONS		3,000	1,800	(28)	150.0%	-0.9%
1,087	1,160	1,200	3,028		FACILITIES Totals:	3,000		1,800.00	(27.64)	150.0%	-0.9%
1,410	541	750	705	E06	GEN. & ADMIN.						
				5600	OFFICE SUPPLIES		750	-	45	0.0%	6.4%
0	356	1,200	-	5630	TRAINING, CONFERENCES & MEETINGS		1,200	-	1,200	0.0%	
591	591	1,000	1,256	5631	MEMBERSHIP & DUES		1,500	500	244	50.0%	19.4%
635	0	750	-	5632	SUBSCRIPTIONS/BOOKS		250	(500)	250	-66.7%	
2,636	1,488	3,700	1,961		GEN. & ADMIN. Totals:	3,700		-	1,738.84	0.0%	88.7%
0	880	-	-	E07	DEPRECIATION						
				5700	DEPREC. TRANSPORTATION		-	-	-		
0	880	-	-		DEPRECIATION Totals:	0		-	-		
129,937	161,158	176,175	168,643		EXPENDITURES TOTALS:	179,531		3,356	10,888	1.9%	6.5%

2014 Actual	2015 Actual	2016 Adopted	2016 Estimated	Account	Description	2017 Sub Totals	2017 Requested	\$ vs. Adopted	\$ vs. Est 2016	% vs. Adopted	% vs. Est 2016
400 DISTRIBUTION											
883,260	946,313	871,100	943,271	E01	SALARIES & BENEFITS						
				5100	REGULAR SALARIES		1,005,219	134,119	61,948	15.4%	6.6%
39,653	48,647	40,000	40,986	5120	OVERTIME WAGES		36,000	(4,000)	(4,986)	-10.0%	-12.2%
28,544	16,959	27,000	27,000	5130	STANDBY		27,000	-	-	0.0%	0.0%
144,358	182,084	183,000	210,860	5140	MEDICAL INSURANCE		205,918	22,918	(4,942)	12.5%	-2.3%
15,623	18,606	19,200	24,671	5141	DENTAL INSURANCE		21,612	2,412	(3,059)	12.6%	-12.4%
2,476	2,593	2,800	3,326	5142	VISION INSURANCE		3,752	952	425	34.0%	12.8%
2,057	2,303	2,200	2,816	5143	LIFE INSURANCE		2,637	437	(178)	19.9%	-6.3%
3,009	3,587	4,500	4,456	5144	LONG TERM DISABILITY		4,981	481	525	10.7%	11.8%
56,903	55,894	40,000	72,000	5145	WORKERS COMPENSATION		56,795	16,795	(15,205)	42.0%	-21.1%
200	195	500	233	5146	ASSISTANCE PROGRAM		575	75	343	15.1%	147.2%
82,218	87,750	103,500	65,025	5150	PERS - RETIREMENT		135,291	31,791	70,267	30.7%	108.1%
57,421	58,516	57,500	58,224	5160	FICA - SOCIAL SECURITY		61,483	3,983	3,259	6.9%	5.6%
13,608	13,685	13,600	14,374	5161	MEDICARE		14,576	976	201	7.2%	1.4%
9,484	8,422	7,200	10,196	5171	UNIFORMS		8,910	1,710	(1,286)	23.8%	-12.6%
300	150	750	460	5172	CERTIFICATIONS		750	-	290	0.0%	63.0%
0	0	-	-	5180	PENSION EXPENSE GASB 68		-	-	-		
1,339,114	1,445,705	1,372,850	1,477,897		SALARIES & BENEFITS Totals:	1,585,498		212,647.84	107,600.64	15.5%	7.3%
79,057	62,861	121,000	81,217	E02	CONTRACT/PROFESSIONAL SERVICES						
				5200	CONTRACT/PROFESSIONAL SERVICES		120,000	(1,000)	38,783	-0.8%	47.8%
79,057	62,861	121,000	81,217		CONTRACT/PROFESSIONAL SERVICES Totals:	120,000		(1,000.00)	38,782.78	-0.8%	47.8%
130,013	61,399	90,000	70,463	E03	OPERATING EXPENSES						
				5300	OPERATING SUPPLIES		90,000	-	19,537	0.0%	27.7%
8,140	3,323	7,500	4,757	5310	EQUIP NON-CAP		-	(7,500)	(4,757)	-100.0%	-100.0%
9,020	10,088	10,000	5,873	5311	SMALL TOOLS/MAINT & REPAIRS		12,500	2,500	6,627	25.0%	112.8%
8,202	8,084	10,000	7,701	5320	RENTALS/LEASES/PERMITS		10,000	-	2,299	0.0%	29.9%
155,376	82,894	117,500	88,794		OPERATING EXPENSES Totals:	112,500		(5,000.00)	23,705.76	-4.3%	26.7%

2014 Actual	2015 Actual	2016 Adopted	2016 Estimated	Account	Description	2017 Sub Totals	2017 Requested	\$ vs. Adopted	\$ vs. Est 2016	% vs. Adopted	% vs. Est 2016
				400	DISTRIBUTION						
				E04	MAINTENANCE						
5,120	935	-	2,880	5401	SAFETY EQUIPMENT - MAINTENANCE		2,000	2,000	(880)		-30.6%
85,245	71,317	75,000	92,660	5410	MAINT & OPERATIONS OF VEHICLES		78,000	3,000	(14,660)	4.0%	-15.8%
3,525	9,110	15,000	8,311	5420	BUILD MAINT-SERVICES & SUPPLYS		16,000	1,000	7,689	6.7%	92.5%
93,890	81,362	90,000	103,851		MAINTENANCE Totals:	96,000		6,000.00	(7,851.02)	6.7%	-7.6%
				E05	FACILITIES						
100,943	82,164	110,000	86,647	5500	UTILITIES - DISTRICT OFFICE		110,000	-	23,353	0.0%	27.0%
56,932	55,119	56,000	65,711	5510	TELEPHONE/COMMUNICATIONS		67,000	11,000	1,289	19.6%	2.0%
157,874	137,284	166,000	152,358		FACILITIES Totals:	177,000		11,000.00	24,641.70	6.6%	16.2%
				E06	GEN. & ADMIN.						
11,976	8,652	6,500	7,346	5600	OFFICE SUPPLIES		6,500	-	(846)	0.0%	-11.5%
3,252	1,751	5,000	7,009	5630	TRAINING, CONFERENCES & MEETINGS		7,000	2,000	(9)	40.0%	-0.1%
15,227	10,403	11,500	14,355		GEN. & ADMIN. Totals:	13,500		2,000.00	(854.88)	17.4%	-6.0%
				E07	DEPRECIATION						
786,138	1,096,457	847,469	922,000	5700	DEPRECIATION		1,105,000	257,531	183,000	30.4%	19.8%
786,138	1,096,457	847,469	922,000		DEPRECIATION Totals:	1,105,000		257,531.00	183,000.00	30.4%	19.8%
				E08	ALLOCATIONS						
(80,539)	(24,338)	-	-	5800	ALLOCATIONS		-	-	-		
(80,539)	(24,338)	-	-		ALLOCATIONS Totals:	0		-	-		
2,546,138	2,892,628	2,726,319	2,840,473		EXPENDITURES TOTALS:	3,209,498		483,179	369,025	17.7%	13.0%



2014 Actual	2015 Actual	2016 Adopted	2016 Estimated	Account	Description	2017 Sub Totals	2017 Requested	\$ vs. Adopted	\$ vs. Est 2016	% vs. Adopted	% vs. Est 2016
500 WATERSHED											
				E01	SALARIES & BENEFITS						
40,083	40,979	89,500	96,042	5100	REGULAR SALARIES		133,988	44,488	37,947	49.7%	39.5%
3,459	10,408	20,100	19,832	5140	MEDICAL INSURANCE		25,043	4,943	5,211	24.6%	26.3%
160	867	2,150	830	5141	DENTAL INSURANCE		2,979	829	2,149	38.5%	258.8%
37	90	325	98	5142	VISION INSURANCE		458	133	360	40.9%	368.3%
30	117	60	117	5143	LIFE INSURANCE		107	47	(10)	77.6%	-8.5%
87	286	500	271	5144	LONG TERM DISABILITY		670	170	399	34.0%	147.6%
673	662	425	900	5145	WORKERS COMPENSATION		764	339	(136)	79.7%	-15.1%
7	10	25	19	5146	ASSISTANCE PROGRAM		42	17	23	68.0%	120.1%
3,865	4,206	11,400	7,998	5150	PERS - RETIREMENT		17,988	6,588	9,989	57.8%	124.9%
3,180	2,234	5,600	5,609	5160	FICA - SOCIAL SECURITY		8,307	2,707	2,698	48.3%	48.1%
580	522	1,300	1,312	5161	MEDICARE		1,943	643	631	49.4%	48.1%
0	0	-	-	5180	PENSION EXPENSE GASB 68		-	-	-		
52,161	60,378	131,385	133,027		SALARIES & BENEFITS Totals:	192,288		60,903	59,261	46.4%	44.5%
				E02	CONTRACT/PROFESSIONAL SERVICES						
198,079	214,753	250,000	200,000	5200	CONTRACT/PROFESSIONAL SERVICES		347,283	97,283	147,283	38.9%	73.6%
198,079	214,753	250,000	200,000		CONTRACT/PROFESSIONAL SERVICES Totals:	347,283		97,283.00	147,283.00	38.9%	73.6%
				E03	OPERATING EXPENSES						
979	364	500	146	5300	OPERATING SUPPLIES		500	-	354	0.0%	243.1%
0	2,548	-	-	5310	EQUIP. NON-CAP		1,000	1,000	1,000		
979	2,912	500	146		OPERATING EXPENSES Totals:	1,500		1,000.00	1,354.26	200.0%	929.2%
				E04	MAINTENANCE						
20,759	7,238	15,000	5,000	5430	ROAD MAINTENANCE		15,000	-	10,000	0.0%	200.0%
20,759	7,238	15,000	5,000		MAINTENANCE Totals:	15,000		-	10,000.00	0.0%	200.0%
				E05	FACILITIES						
177	177	300	89	5510	TELEPHONE/COMMUNICATIONS		300	-	211	0.0%	238.9%
177	177	300	89		FACILITIES Totals:	300		-	211.48	0.0%	238.9%
				E06	GEN. & ADMIN.						
0	0	65,000	97,080	5620	WATER CONSERVATION PROGRAM		26,000	(39,000)	(71,080)	-60.0%	-73.2%
0	4,660	15,000	15,000	5621	WATERSHED GRANTS DATA COLLECT		15,000	-	-	0.0%	0.0%
0	0	17,500	15,300	5622	EDUCATION PROGRAM		17,500	-	2,200	0.0%	14.4%
615	0	3,000	490	5630	TRAINING, CONFERENCES & MEETINGS		3,000	-	2,510	0.0%	512.7%
1,250	0	1,250	1,000	5631	MEMBERSHIP & DUES		1,250	-	250	0.0%	25.0%
0	0	300	-	5632	SUBSCRIPTIONS/BOOKS		300	-	300	0.0%	
1,865	4,660	102,050	128,870		GEN. & ADMIN. Totals:	63,050		(39,000.00)	(65,819.70)	-38.2%	-51.1%
274,020	290,119	499,235	467,131		EXPENDITURES TOTALS:	619,421		120,186	152,290	24.1%	32.6%

2014 Actual	2015 Actual	2016 Adopted	2016 Estimated	Account	Description	2017 Sub Totals	2017 Requested	\$ vs. Adopted	\$ vs. Est 2016	% vs. Adopted	% vs. Est 2016
800 SUPPLY & TREATMENT											
E01 SALARIES & BENEFITS											
540,265	675,553	681,000	670,578	5100	REGULAR SALARIES		815,280	134,280	144,702	19.7%	21.6%
42,502	35,314	37,000	48,909	5120	OVERTIME WAGES		30,000	(7,000)	(18,909)	-18.9%	-38.7%
0	6,192	4,000	4,000	5130	STANDBY		4,000	-	-	0.0%	0.0%
60,664	59,231	99,000	38,402	5140	MEDICAL INSURANCE		117,981	18,981	79,580	19.2%	207.2%
7,120	7,363	9,900	6,048	5141	DENTAL INSURANCE		12,099	2,199	6,050	22.2%	100.0%
1,107	885	1,500	876	5142	VISION INSURANCE		2,460	960	1,584	64.0%	180.7%
1,027	1,159	1,500	919	5143	LIFE INSURANCE		1,958	458	1,039	30.5%	113.0%
2,023	2,137	3,500	1,665	5144	LONG TERM DISABILITY		4,083	583	2,418	16.7%	145.2%
24,154	23,727	31,500	35,000	5145	WORKERS COMPENSATION		46,911	15,411	11,911	48.9%	34.0%
105	111	350	82	5146	ASSISTANCE PROGRAM		433	83	351	23.6%	427.2%
53,317	64,185	88,800	45,623	5150	PERS - RETIREMENT		120,171	31,371	74,548	35.3%	163.4%
35,230	41,922	44,300	43,222	5160	FICA - SOCIAL SECURITY		52,343	8,043	9,121	18.2%	21.1%
8,351	9,804	10,500	10,661	5161	MEDICARE		12,373	1,873	1,712	17.8%	16.1%
2,733	2,910	5,000	3,727	5171	UNIFORMS		6,615	1,615	2,888	32.3%	77.5%
714	325	1,500	2,910	5172	CERTIFICATIONS		1,500	-	(1,410)	0.0%	-48.5%
0	0	-	-	5180	PENSION EXPENSE GASB 68		-	-	-		
779,313	930,817	1,019,350	912,622		SALARIES & BENEFITS Totals:	1,228,206		208,855.85	315,583.71	20.5%	34.6%
E02 CONTRACT/PROFESSIONAL SERVICES											
133,395	78,155	120,000	114,335	5200	CONTRACT/PROFESSIONAL SERVICES		150,000	30,000	35,665	25.0%	31.2%
49,111	74,338	64,000	76,946	5202	OUTSIDE WATER ANALYSIS		75,000	11,000	(1,946)	17.2%	-2.5%
182,506	152,492	184,000	191,281		CONTRACT/PROFESSIONAL SERVICES Totals:	225,000		41,000.00	33,718.98	22.3%	17.6%

2014 Actual	2015 Actual	2016 Adopted	2016 Estimated	Account	Description	2017 Sub Totals	2017 Requested	\$ vs. Adopted	\$ vs. Est 2016	% vs. Adopted	% vs. Est 2016
				800	SUPPLY & TREATMENT						
				E03	OPERATING EXPENSES						
53,456	47,532	45,000	54,078	5300	OPERATING SUPPLIES		57,000	12,000	2,922	26.7%	5.4%
33,780	25,096	34,000	28,579	5301	CHEMICALS		35,000	1,000	6,421	2.9%	22.5%
6,295	14,383	12,000	8,465	5302	LAB SUPPLIES		24,500	12,500	16,035	104.2%	189.4%
0	4,120	7,000	208	5310	EQUIP. NON-CAP		15,000	8,000	14,792	114.3%	7119.2%
2,731	2,684	3,500	13	5311	SMALL TOOLS/MAINT & REPAIRS		6,000	2,500	5,987	71.4%	47368.4%
98,798	100,992	105,000	100,000	5320	RENTALS/LEASES/PERMITS		110,000	5,000	10,000	4.8%	10.0%
195,060	194,808	206,500	191,342		OPERATING EXPENSES Totals:	247,500		41,000.00	56,157.56	19.9%	29.3%
				E04	MAINTENANCE						
764	80	-	-	5401	SAFETY EQUIPMENT - MAINTENANCE		-	-	-		
20,067	18,814	22,000	15,612	5410	MAINT & OPERATIONS OF VEHICLES		21,000	(1,000)	5,388	-4.5%	34.5%
4,444	4,498	7,500	261	5420	BUILD MAINT-SERVICES & SUPPLYS		7,500	-	7,239	0.0%	2774.7%
25,276	23,392	29,500	15,873		MAINTENANCE Totals:	28,500		(1,000.00)	12,626.64	-3.4%	79.5%
				E05	FACILITIES						
265,163	283,336	285,000	242,913	5500	UTILITIES - DISTRICT OFFICE		275,000	(10,000)	32,087	-3.5%	13.2%
26,406	34,684	34,000	37,492	5510	TELEPHONE/COMMUNICATIONS		40,000	6,000	2,508	17.6%	6.7%
291,570	318,021	319,000	280,405		FACILITIES Totals:	315,000		(4,000.00)	34,595.46	-1.3%	12.3%
				E06	GEN. & ADMIN.						
2,503	2,772	5,800	1,089	5600	OFFICE SUPPLIES		3,500	(2,300)	2,411	-39.7%	221.5%
6,329	690	3,000	253	5630	TRAINING, CONFERENCES & MEETINGS		3,500	500	3,247	16.7%	1284.5%
0	0	500	-	5632	SUBSCRIPTIONS/BOOKS		500	-	500	0.0%	
8,832	3,462	9,300	1,341		GEN. & ADMIN. Totals:	7,500		(1,800.00)	6,158.56	-19.4%	459.1%
				E07	DEPRECIATION						
344,592	0	310,531	368,000	5700	DEPRECIATION		389,000	78,469	21,000	25.3%	5.7%
344,592	0	310,530	368,000		DEPRECIATION Totals:	389,000		78,470.00	21,000.00	25.3%	5.7%
				E08	ALLOCATIONS						
(51,808)	(306)	-	-	5800	ALLOCATIONS		-	-	-		
(51,808)	(306)	-	-		ALLOCATIONS Totals:	0		-	-		
1,775,341	1,622,687	2,078,181	1,960,865		EXPENDITURES TOTALS:	2,440,706		362,525	479,841	17.4%	24.5%

SEWER FUND EXPENSE BUDGET (see Appenix 2 for further detail)

Budget Analysis FY1617

2014 Actual	2015 Actual	2016 Adopted	2016 Estimated	Account	Description	2017 Sub Totals	2017 Requested	\$ vs. Adopted	\$ vs. Est 2016	% vs. Adopted	% vs. Est 2016
				600	WASTEWATER						
				E01	SALARIES & BENEFITS						
9,999	5,244	15,000.00	15,000.00	5100	REGULAR SALARIES		15,000	-	-	0.0%	0.0%
1,037	921	2,500.00	2,500.00	5120	OVERTIME WAGES		2,500.00	-	-	0.0%	0.0%
0	0	500.00	500.00	5130	STANDBY		500.00	-	-	0.0%	0.0%
1,090	582	1,300.00	1,300.00	5150	PERS - RETIREMENT		0.00	(1,300)	(1,300)	-100.0%	-100.0%
671	377	1,100.00	1,100.00	5160	FICA - SOCIAL SECURITY		1,092.25	(8)	(8)	-0.7%	-0.7%
157	88	300.00	300.00	5161	MEDICARE		325.42	25	25	8.5%	8.5%
24	0	0.00	0.00	5171	UNIFORMS		0.00	-	-		
0	0	0.00	0.00	5180	PENSION EXPENSE GASB 68		0.00	-	-		
12,979	7,213	20,700	20,700		SALARIES & BENEFITS Totals:	19,418		(1,282)	(1,282)	-6.2%	-6.2%
				E02	CONTRACT/PROFESSIONAL SERVICES						
5,234	19,972	51,000.00	30,000.00	5200	CONTRACT/PROFESSIONAL SERVICES		51,000.00	-	21,000	0.0%	70.0%
172	1,528	14,600.00	11,658.00	5202	OUTSIDE WATER ANALYSIS		12,000.00	(2,600)	342	-17.8%	2.9%
5,406	21,500	65,600	41,658		CONTRACT/PROFESSIONAL SERVICES Totals:	63,000		(2,600)	21,342	-4.0%	51.2%
				E03	OPERATING EXPENSES						
10,620	2,453	6,000.00	0.00	5300	OPERATING SUPPLIES		6,500.00	500	6,500	8.3%	
11,159	16,749	15,000.00	16,949.48	5320	RENTALS/LEASES/PERMITS		15,000.00	-	(1,949)	0.0%	-11.5%
21,780	19,202	21,000	16,949		OPERATING EXPENSES Totals:	21,500		500	4,551	2.4%	26.8%
				E04	MAINTENANCE						
280	0	500.00	0.00	5410	MAINT & OPERATIONS OF VEHICLES		500.00	-	500	0.0%	
0	0	500.00	0.00	5420	BUILD MAINT-SERVICES & SUPPLYS		500.00	-	500	0.0%	
280	0	1,000	0		MAINTENANCE Totals:	1,000		-	1,000	0.0%	
				E05	FACILITIES						
5,693	5,308	7,000.00	12,076.82	5500	UTILITIES - DISTRICT OFFICE		7,000.00	-	(5,077)	0.0%	-42.0%
3,076	3,300	3,200.00	2,963.98	5510	TELEPHONE/COMMUNICATIONS		3,800.00	600	836	18.8%	28.2%
8,769	8,608	10,200	15,041		FACILITIES Totals:	10,800		600	(4,241)	5.9%	-28.2%
				E06	GEN. & ADMIN.						
49	0	0.00	0.00	5600	OFFICE SUPPLIES		0.00	-	-		
104	0	0.00	0.00	5650	POSTAGE		0.00	-	-		
153	0	0	0		GEN. & ADMIN. Totals:	0		-	-		
				E07	DEPRECIATION						
41,773	41,773	42,000.00	42,134.00	5700	DEPRECIATION		52,000.00	10,000	9,866		23.4%
41,773	41,773	42,000	42,134		DEPRECIATION Totals:	52,000		10,000	9,866		23.4%
				E08	ALLOCATIONS						
4,000	4,000	4,000.00	4,000.00	5810	OVERHEAD		0.00	(4,000)	(4,000)	-100.0%	-100.0%
4,000	4,000	4,000	4,000		ALLOCATIONS Totals:	0					
95,139	102,296	164,500	140,482		SECTION 1 EXPENSES	167,718		3,218	27,235	2.0%	19.4%

NON-OPERATING EXPENSES

Account	Description	2017 Requested
E71	NON-OPS EXPENSE	
7110	INTEREST EXP. - WATER BOND	77,250.00
7111	INTEREST EXP. - FELTON LOAN	45,000.00
7112	INTEREST EXP - OLY SRF	48,000.00
	NON-OPS EXPENSE Totals:	170,250
	EXPENDITURES TOTALS:	170,250

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CAPITAL PROJECT PROPOSED BUDGET FY1617

Capital Project Summary						Overall Project Total
	Planning/ Design (8%)	CEQA (2%)	Construction (80%)	Contingency (10%)	2016-17 Total	
Administration Building Remodel	\$ 38,400	\$ -	\$ 393,600	\$ 48,000	\$ 480,000	\$ 480,000
Swim Tank (w/ SCADA)	\$ -	\$ -	\$ 518,000	\$ 51,800	\$ 569,800	\$ 569,800
Probation Tank	\$ 34,800	\$ 17,400	\$ 522,000	\$ 52,200	\$ 626,400	\$ 1,740,000
Probation Tank Mitigation		\$ 46,000			\$ 46,000	\$ 230,000
Fall Creek Fish Ladder		\$ 40,000		\$ 4,000	\$ 44,000	
Bull/Bennett Pipeline						
Bull Springs Pipe	\$ 60,000	\$ 15,000	\$ -	\$ 7,500	\$ 82,500	\$ 750,000
Bennett Intake	\$ 39,600	\$ 9,900	\$ -	\$ 4,950	\$ 54,450	\$ 495,000
Bennett Booster	\$ 31,200	\$ 7,800	\$ -	\$ 3,900	\$ 42,900	\$ 390,000
Upper Paso Tank Fence			\$ 5,500		\$ 5,500	\$ 5,500
E Isolyo Tank Fence			\$ 5,500		\$ 5,500	\$ 5,500
Echo Tank Fence			\$ 6,000		\$ 6,000	\$ 6,000
LIMS System Software (replace watertrx)			\$ 10,000		\$ 10,000	\$ 10,000
Lyon WTP Filter Painting			\$ 180,000		\$ 180,000	\$ 180,000
Emerson 64 bit Windows 7 Licensing			\$ 26,000		\$ 26,000	\$ 26,000
Turbidity Meters Lyon WTP			\$ 5,800		\$ 5,800	\$ 5,800
Vehicle Replacement (2)			\$ 64,000		\$ 64,000	\$ 64,000
Vehicle Lompico			\$ 35,000		\$ 35,000	\$ 35,000
Vehicle Lompico			\$ 29,000		\$ 29,000	\$ 29,000
District 2-way Radio System Replacement			\$ 35,000		\$ 35,000	\$ 35,000
SCADA HMI Software Upgrade			\$ 100,000		\$ 100,000	\$ 100,000
Felton Heights Mutual Consolidation Project	\$ 32,000	\$ 8,000	\$ 320,000	\$ 40,000	\$ 400,000	\$ 400,000
Meter Replacements						
South Service Area			\$ 220,000	\$ 22,000	\$ 242,000	\$ 242,000
Lompico Service Area			\$ 168,000	\$ 16,800	\$ 184,800	\$ 184,800
Lompico Service Area Tank Replacement	\$ 75,000			\$ -	\$ 75,000	\$ 75,000
Lompico SCADA	\$ 2,500		\$ 25,000	\$ 2,750	\$ 30,250	\$ 30,250
Bear Creek Estates WWTP	\$ 32,000	\$ 8,000	\$ 320,000	\$ 40,000	\$ 400,000	\$ 400,000
			Total	\$ 3,779,900		\$ 6,488,650

Fiscal Year 2016/2017	
Water Enterprise Fund	\$ 3,025,850
Lompico Assessment District	\$ 354,050
Sewer Enterprise Fund	\$ 400,000
TOTAL	\$ 3,779,900

**APPENDIX 1
PERSONNEL SUMMARY**

	FTE	Mid Step Annual Salary *	Full Burden Est. **	
Board of Directors	5.00	\$ 3,025		
District Manager	1.00	\$ 177,788	\$ 248,903	
District Secretary	1.00	\$ 67,428	\$ 94,399	
Customer Service/Admin	0.50	\$ 57,492	\$ 80,489	<i>New hire, split 100/200</i>
TOTAL ADMIN.	7.50			
Finance Manager	1.00	\$ 93,960	\$ 131,544	
Sr. Customer Service/Accounting Specialist	1.00	\$ 66,420	\$ 92,988	
Customer Service/Accounts Specialist	3.00	\$ 57,492	\$ 80,489	
Customer Service/Admin	0.50	\$ 57,492	\$ 80,489	<i>New hire, split 100/200</i>
TOTAL FINANCE/CS	5.50			
ENGINEERING	1.00	\$ 85,740	\$ 120,036	
Director of Operations	0.60	\$ 113,508	\$ 158,911	
Deputy Director of Operations	0.60	\$ 90,936	\$ 127,310	
Field Services Supervisor	1.00	\$ 79,356	\$ 111,098	
Electrician/Instrumentation Technician	0.40	\$ 79,356	\$ 111,098	
Customer Service/Field Coordinator	1.00	\$ 63,252	\$ 88,553	
Senior Field Services Worker	1.00	\$ 67,884	\$ 95,038	
Field Services Worker II	7.00	\$ 60,240	\$ 84,336	<i>2 New hires - Lompico</i>
Network Specialist	0.60	\$ 76,572	\$ 107,201	
Operations Tech	0.50	\$ 63,252	\$ 88,553	<i>New Hire, split 400/800</i>
TOTAL OPERATIONS	12.70			
Environmental Manager	1.00	\$ 94,572	\$ 132,401	
Water Conservation Coordinator	1.00	\$ 72,925	\$ 102,095	<i>New Hire</i>
TOTAL ENVIRONMENTAL	2.00			
Director of Operations	0.40	\$ 113,508	\$ 158,911	
Deputy Director of Operations	0.40	\$ 90,936	\$ 127,310	
Electrician/Instrumentation Technician	1.60	\$ 79,356	\$ 111,098	<i>New Hire - Lompico</i>
Network Specialist	0.40	\$ 76,572	\$ 107,201	
Water Treatment & System Supervisor	1.00	\$ 87,696	\$ 122,774	
Water Treatment & System Operator	4.00	\$ 71,628	\$ 100,279	<i>New Hire - Lompico</i>
Senior Water Treatment & System Operator	1.00	\$ 78,792	\$ 110,309	
Operations Tech	0.50	\$ 63,252	\$ 88,553	<i>New Hire, split 400/800</i>
TOTAL SUPPLY & TREATMENT	9.30			
TOTAL EMPLOYEE COUNT	38.00			Proposed New Hires
TOTAL LESS BOD MEMEBERS	33.00			7

* Salary ranges based on most current salary schedules

** Assumes a 40% mark-up for total cost of labor

APPENDIX 2 - DEPARTMENTAL EXPENSE DETAIL
ADMIN - EXPENSE DETAIL

Account	Amount	Description
5631	\$ 9,700	LAFCO SLV + Lompico
5631	\$ 15,000	ACWA
5631	\$ 3,000	AWWA
5631	\$ 5,300	Misc
5631	\$ 7,000	CSDA
	<u>\$ 40,000</u>	
5200	\$ 50,000	Santa Margarita GSA
5200	\$ 6,000	Equip. Maint.
5200	\$ 12,000	Web/Internet/Anti Virus
5200	\$ 30,000	Public Outreach
5200	\$ 13,000	HR/Payroll
5200	\$ 88,000	Rate Study
5200	\$ 44,000	Compensation & Benefits Benchmarking
5200	\$ 30,000	Election Fees
5200	\$ 7,200	Community TV
5200	\$ 5,000	Misc.
	<u>\$ 285,200</u>	

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FINANCE - EXPENSE DETAIL

Account	Amount	Description
5200	\$ 26,500	Springbrook Software Maint.
5200	\$ 1,500	Pitney Bowes
5200	\$ 270	Stordok
5200	\$ 1,200	Corelogic
5200	\$ 700	Phones
5200	\$ 1,700	Sensus
5200	\$ 12,025	Paychex
5200	\$ 13,200	Info Send
5200	\$ 24,000	Springbrook web payment hosting and IVR
5650	\$ 32,400	Postage Infosend
5650	\$ 3,500	Postage other misc
5610	\$ 33,000	Credit card fees - Bluefin
5610	\$ 5,400	E-box
5610	\$ 12,000	Desktop Deposit / ACH recurring payments

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OPERATIONS - EXPENSE DETAIL

Account	Amount	Description
5200	\$ 6,000	Alarm monitoring
5200	\$ 6,000	Generator maintenance
5200	\$ 12,000	Cathodic protection
5200	\$ 35,000	Tank cleaning
	\$ 59,000	

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WATERSHED - EXPENSE DETAIL

Account	Amount	Description
1-500-5200	\$ 10,000	Environmental Review
1-500-5200	\$ 20,000	Watershed Patrol
1-500-5200	\$ 22,641	County Wide Fish Monitoring
1-500-5200	\$ 55,500	2015 UWMP Update
1-500-5200	\$ 20,000	CEQA Olympia MP/Broom Removal
1-500-5200	\$ 6,000	Events
1-500-5200	\$ 6,000	Misc.
		SPECIAL PROJECTS
1-500-5200	\$ 141,637	Flow Monitoring
1-500-5200	\$ 37,132	Temp Monitoring
1-500-5200	\$ 28,373	Critical Riffle Analysis Boulder Creek
		WATER CONSERVATION
1-500-5620	\$ 5,000	Water Conservation Coalition Efforts
1-500-5620	\$ 10,000	Rebate Program
1-500-5620	\$ 5,000	Water Conservation Outreach & Education
1-500-5620	\$ 5,000	Misc.
1-500-5620	\$ 1,000	Cabrillo College Conservation Courses
Professional Services	\$ 347,283	
Water Conservation	\$ 26,000	

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SUPPLY & TREATMENT - EXPENSE DETAIL

Account	Amount	Description
5202	\$ 14,000	Water quality analysis
5202	\$ 2,200	Benchtop combo ph/conductivity meter
5202	\$ 300	Magnetic stir plate for pH meter
5202	\$ 6,000	General physical analysis supplies
5202	\$ 2,200	Deionized Water System
	\$ 24,700	
5300	\$ 5,600	Inline ph monitor Kirby Inf/eff (2)
5300	\$ 5,600	Turbidimeters inf/eff Lyon (2)
5300	\$ 3,000	Replacement transducer Olympia 3
5300	\$ 1,000	Barrel Pump (2)
	\$ 15,200	
5310	\$ 15,000	6 - 64bit W7 Computers
5200	\$ 15,000	Alarm monitoring
5200	\$ 25,000	Well maint.
5200	\$ 16,000	WTP maint.
5200	\$ 8,000	Generator maint.
	\$ 64,000	

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SEWER - EXPENSE DETAIL

Account	Amount	Description
5200	\$ 25,000	Collection System Assessment
5200	\$ 15,000	Treatment System Assessment/modifications
5200	\$ 11,000	Regular Services

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**APPENDIX 3
 STAFF IDENTIFIED BUDGET CUTS IN BUDGET**

ADMIN

Legal Services (20,000)

Contract Professional Services

Public Outreach (30,000)

Santa Margarita GSA (150,000)
 (200,000)

ENGINEERING

Contract Professional Services (10,000)

OPERATIONS

Overtime (4,000)

ENVIRONMENTAL

Contract Professional Services

Karst Study (9,000)

Misc. (6,000)

Critical Riffle Study (28,373) *could defer to FY1718*

Water Conservation

Rebate Program (30,000)

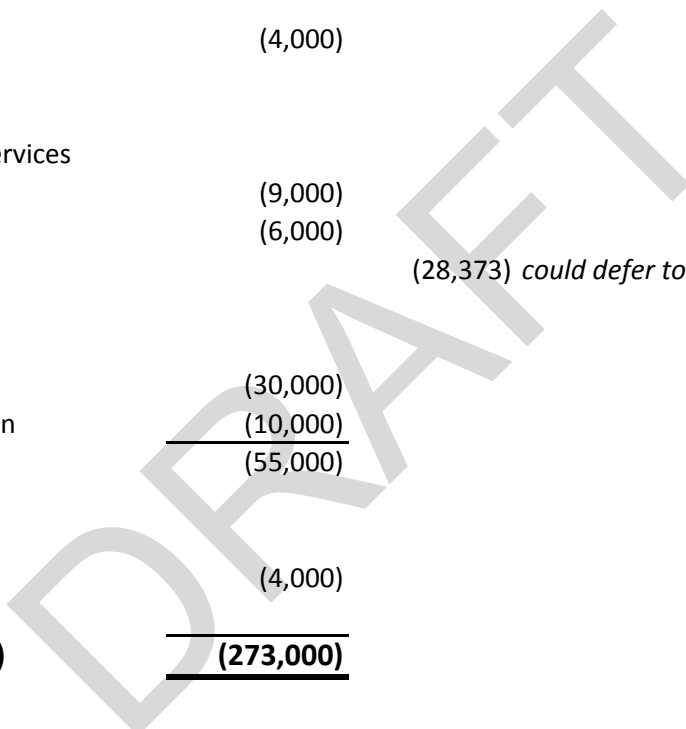
Outreach & Education (10,000)

(55,000)

SUPPLY & TREATMENT

Overtime (4,000)

TOTAL INC. (DECREASE) (273,000)



MEMO

TO: Board of Directors
FROM: District Manager
SUBJECT: City of Santa Cruz Conservation
DATE: May 26, 2016

RECOMMENDATION:

It is recommended that the Board of Directors review this memo regarding the presentation by Rosemary Menard, Water Director at City of Santa Cruz.

BACKGROUND:

Rosemary Menard will be addressing the Board, staff and public regarding conservation efforts by the City of Santa Cruz. Recent rains and relaxed restrictions regarding water use has the public questioning the need for water conservation. Ms. Menard will be sharing the City's plan for conservation and why it is still necessary to reduce water use.

FISCAL IMPACT:

None

2016 STRATEGIC PLAN:

Strategic Element 6.0 - Public Affairs
Strategic Element 7.0 - Strategic Partners

M E M O

TO: Board of Directors
FROM: District Manager
SUBJECT: Administration/Engineering Departments Status Report
DATE: June 2, 2016

RECOMMENDATION:

It is recommended that the Board of Directors review and file the Administration/Engineering Departments status report.

BACKGROUND:

MEETINGS OF NOTE

- May 4 and 5 DM attended the ACWA Spring Conference in Monterey, CA
- May 4 DM attended Lompico Board Meeting for final ballot count on Assessment District 2016-1.
- May 11 DM attended the Santa Margarita Groundwater Basin Advisory Committee at Scotts Valley Water District

ENTERPRISE WIDE COST-OF-SERVICE STUDY

- Management met with staffing consultant on March 24th.
- Management conducted field survey with consultant on March 28th
- Finance Committee conducted kick-off meeting with consultant on March 29th
- Staff interviews were conducted April 6 and 11.
- Follow-up interviews were conducted in April and May

The intent of this study is to determine what the true cost of providing water and sewer service includes; watershed protection, water rights management, infrastructure, staffing and administration. These issues will be studied both from a geographical and seasonal standpoint.

PROBATION TANK REPLACEMENT PROJECT

The 100% Plan Review is currently in progress. The Project's Habitat Conservation Plan (HCP) was approved by the Board in late summer. The State has conducted an initial review of the HCP. Staff met with the State on-site at Olympia. Staff and consultant are coordinating modifications to the HCP with the hope of final State Approval in summer 2016. Project is scheduled for bidding in late-2016 and construction is expected to be completed in early 2017. Construction is expected to take 6 months

SWIM TANKS REPLACEMENT PROJECT

~~Final plans and specs have been received and reviewed. Some final changes are being returned to the design engineer. Project is scheduled for bidding in early mid 2016 and construction is expected to be completed in mid late 2016.~~

Plans and Specifications are complete and a Mitigated Negative Declaration is in the works. Project has been deferred a minimum of six months while District applies for SRF funding.

FALL CREEK FISH LADDER

100% plans and specifications are under staff review.

Staff recently was informed by Federal Fish and Wildlife (FFW) that the Fall Creek Diversion and Fish Ladder do not qualify for streamlined permitting. This is a change of direction from past conversations over the last three years. Individual consultation will be required and the District will be submitting a request to the Army Corp of Civil Engineers. This new information will delay the project at least a year, if not longer.

INTERTIES 2, 3, 4

Primary project construction is finished. ~~finishing construction.~~ Start-up was initiated in late March and District is testing the effectiveness of moving water between service areas using the Intertie 3/4 Station. A joint test was completed successfully with Scotts Valley WD. ~~A joint test with Scotts Valley is being scheduled for Intertie 2.~~

County has rejected all paving on Graham Hill Road. Paving, in particular the saw-cut grooving is unraveling. District is investigating to determine cause and how to correct. Staff has contracted with NCE to conduct forensic services.

FELTON HEIGHTS WATER STORAGE TANK

Staff is working to obtain necessary easements on neighboring property. Design is expected for summer of 2016 with construction occurring in ~~fall~~ Spring 2017~~6~~. Project has been deferred while District applies for SRF funding.

LOMPICO

~~The Lompico Assessment District ballot count is scheduled to take took place May 4th, 2016. If a A majority of the returned ballots are were 'yes', and the Assessment District is was formed. the District will begin working with Lompico and LAFCO in preparing Final paperwork for the merger has been completed. Staff intends to begin has begun operating the Lompico facilities. as soon as practical if a majority of Lompico property owners agree to the Assessment District. Final merger is scheduled to be completed June 1st, with the LAFCO paperwork being filed with the County Recorder.~~

M E M O

TO: Board of Directors

FROM: District Manager

PREPARED BY: Environmental Programs Manager

SUBJECT: Environmental Status Report

DATE: June 2, 2016

RECOMMENDATION:

It is recommended that the Board of Directors review and file the Environmental Department status report.

BACKGROUND:

NON-INDUSTRIAL TIMBER MANAGEMENT PLAN NO. 1-96NTMP-018

Staff conducted a timber harvest inspection on a proposed Non-Industrial Timber Management Plan (NTMP) within the Lompico headwaters. The proposed area to be harvested is a 12 acre portion of the 107 acre NTMP and includes cable yarding over a class II watercourse, located about 1 mile upstream from the Lompico surface diversion. Staff inspected the landing area, which was used in 2013 to cable yard another portion of the NTMP area, and noted no erosion impacting the watercourse. Staff discussed the California Forest Practice Rules with the Forester, to ensure they are not proposing any harvest activities as an exception to the rule especially within the (Wildlife Protection Zone) WLPZ. Timber harvest activities are expected to be completed by August 2016.

2015 URBAN WATER MANAGEMENT PLAN (UWMP)

Staff is working closely with Water Systems Consulting, the consultant who will be updating the 2015 UWMP. Staff has transferred data to WSC in order to prepare the document. We expect to submit the document to the Department of Water Resources by September 1st.

WATER CONSERVATION

Staff is working on the 2016 Stage 2 Water Shortage Contingency Plan, aka Water Conservation – A Way of Life campaign. It will include new highway signs, monthly e-newsletters, an advertisement on the side of the HWY 35 bus, Post cards in May and July and multiple posts on Facebook every week.

Staff revised the Water Conservation Rebate program, which will be discussed at a future Board Meeting. The EEP Committee recommended that bring the updated program to the Full Board.

Staff is proposing to hire a Water Conservation Coordinator/Grant Writer position. A discussion of the position was held at the Finance Committee meeting on May 17th and it was recommended to delay any new positions until January 2017.

Staff continues to coordinate with the Water Conservation Coalition for a collaborative regional public outreach campaign. The District continues to support Cabrillo College water conservation/landscape course work. Spring classes are scheduled to begin in March. <http://www.cabrillo.edu/services/extension/green.html>

Upcoming Water Conservation Coalition collaborative efforts include:

California Department of Fish and Wildlife Winter Water Diversions for Summer

Irrigation Informational Meeting: June 2, 2016 6:30 – 8:30PM

Redwood Mountain Faire: June 4 & 5th

Scott's Valley Garden Faire: June 18th

County Faire: September 14-18th

HYDROLOGICAL ASSESSMENT

Staff has reviewed the Year 2 Temperature and Flow Study for the San Lorenzo River, and it's impacts due to District surface water diversions. A meeting has been set with the regulatory agencies to discuss in detail the report. A full report will be provided to the full board following the meeting with resource agencies.

BROOM MANAGEMENT PLAN

Staff is working closely with Suzanne Schettler, the 2015 Data Collection/ Restoration Grant Awardee, on the finalization of the district's Broom Management Plan for the Olympia Watershed. We expect the final draft to be available to be presented at the next Environmental Engineering and Planning (EEP) meeting scheduled for May 25, 2016.

KARST PROTECTION ZONE INVESTIGATION

Staff received a final report for the Karst Protection Zone Investigation and Mapping. The purpose of the study was to develop an inventory of karst related rock formations in western Santa Cruz County as part of an overall effort to protect and manage ground and surface water resources in Santa Cruz County. It was presented at the Environmental Engineering and Planning (EEP) Meeting on May 25. The Report has been included as informational item in this agenda and is available on the District Website under Public Documents.

PUBLIC OUTREACH/ DROUGHT OUTREACH

- The District conducted a mainline flushing program in Lompico. Notifications were mailed to residents with in the areas impacted and signs were posted along roadways.
- E Newsletters are sent out to over 3000 customer email addresses at least monthly.
- The District Facebook page and website are updated regularly (3-5 times per week).
- Media Alerts have been published in local papers regarding:
 1. None

1. Convene Meeting/Roll Call

The meeting was convened by Chair Bruce at 11:05am.

All members of the committee were present, as was District Manager Lee.

2. Oral Communications

This portion of the agenda is reserved for Oral Communications by the public for items that are not on the Agenda. Any person may address the Committee at this time, on any subject that lies within the jurisdiction of the Committee. Normally, presentations must not exceed three (3) minutes in length, and individuals may only speak once during Oral Communications. No actions may be taken by the Committee on any Oral Communications presented; however, the Committee may request that the matter be placed on a future agenda. Please state your name and town/city of residence at the beginning of the statement for the record.

No public comments were made.

3. Old Business: Members of the public will be given the opportunity to address each scheduled item prior to Committee action. The Chairperson of the Committee may establish a time limit for members of the public to address the Committee on agenda items.

a. PAST DUE POLICY Discussion and possible action by the Committee regarding Past Due Policy.

District Manager Lee shared the current proposed draft Past Due Policy and Procedures language.

Chair Bruce proposed that the draft language be posted on the website with publicized opportunities for comment.

Committee Member Fultz asked if the 'clock stopped' on further accrual of fees or penalties if a payment agreement were put in place. DM Lee noted that the practice is to 'stop the clock' once a payment agreement is in place.

Public comments from Mr Holloway, who commented and asked:

"I remember making a \$75 deposit, I also remember that deposit got kicked back to me. Can you explain?"

DM Lee stated that past policy was that \$75 deposit was refunded after 1 year of regular payments. New customers will be required to put down \$75. And, that will be paid back to them after 1 year.

Getting the deposit back is not in this draft policy.

Mr. Holloway asked; "Why not just have a late fee service charge and interest. And, if they don't pay, just put a lien on their house?"

Chair Bruce asked if this lets tenants off the hook. DM Lee commented that there are more details and practices that the District needs to put in place to make sure property owners are "on the hook" because right now there aren't sufficient tools in place.

Mr. Fultz asked how PG&E handles their bills and late payments. Maybe that's a good benchmark.

Comments due by June 16th to prepare for committee meeting on June 28th. Comments will be emailed to an "Alias" and would be in Holly's hands thereafter.

DM Lee suggested that perhaps we can use a small publication in local press, the email list, and Facebook, etc. to engage the public. The members of the committee concurred that inviting public comment is useful and appropriate.

Question posed: What percent of delinquent rate payers? Less than 1%

b. MATRIX OF LEGAL NEEDS Discussion and possible action by the Committee regarding a Matrix Legal Needs.

DM Lee shared a preliminary matrix of legal needs the District may face. This was for the group's discussion and use as a framing and brainstorming tool.

An additional evaluation factor of Urgency was added. The legal functions of "Environment" (CEQA, Environmental permits, etc.) was added.

DM Lee shared that the item of "Water Rights" was a very complex and evolving issue and would not likely be included in any generic legal services contract.

Chair Bruce remarked that some items may be episodic and not suitable for a long-term contact

DM Lee – the matrix can be broken out into segments that reflect one or more (probably two or three) legal contracts and there may be RFPs for each, or their might be a 'master' legal services RFP/contract with specialized services provided as sub-contracts. The group settled on grouping the legal services functions into three broad categories.

Next Steps: Committee members are to provide bullet points, or a 'shopping list' for each of the three identified categories of legal services: "General", "Environmental", Human Resources

Committee members will send their input on this to Brian before June 16th. Committee member Brown remarked that a discussion of the merits and demerits of retaining counsel in-house should also be part of the evaluation.

c. GOALS AND OBJECTIVES FOR THE ADMINISTRATION COMMITTEE Discussion and possible action by the Committee regarding Goals and Objectives.

The review of the Committee's goals and objectives was deferred in the interests of time. Chair Bruce asked to include this in the next meeting's agenda.

4. New Business: Members of the public will be given the opportunity to address each scheduled item prior to Committee action. The Chairperson of the Committee may establish a time limit for members of the public to address the Committee on agenda items.

a. EXEMPTION FROM PARCEL TAX Discussion and possible action by the Committee regarding An Exemption from Parcel Tax.

Review of rate payer request for consideration of low income senior relief through parcel taxes or other means.

Question from Mr. Holloway – is there a state-level legal exemption authorized (in the context of parcel taxes) for low income, or other classes? Also, could you substitute parcel taxes for the basic service rate, and then could you create a carve-out for low income customers (senior or otherwise). How will renters be impacted? Committee member Fultz noted that property owners will be required to pass along the parcel tax to renters – in addition to other potential economic considerations.

Mr. Fultz remarked that property taxes would further divorce the provision of the water and the service of providing it from the SERVICE of providing it.

The committee had a fulsome discussion about property taxes, assessment districts and how to address the issue of equity. DM Lee recommended that the committee forward the concept to the full board for them to remand this to the Finance Committee for their consideration in connection with or as a component of the future rate study.

b. BULK WATER DELIVERIES FOR AGRICULTURAL USE Discussion and possible action by the Committee regarding Bulk Water Deliveries for Agricultural Use.

The county is proposing medical marijuana cultivation be required to provide their own source of water. This may lead growers to dam streams or drill wells, which is potentially damaging.

We are an interested party in the County's proposed ordinance. Committee member Brown stressed that the County is seeking to normalize the cultivation of medical marijuana. The State may legalize its recreational use via a ballot initiative this fall. The District (and the County) have an opportunity to 'get ahead' of this important and potential impactful issue.

The committee enjoined in robust discussion on related topics: the cost and burden of regulation, unintended consequences of the County's ordinance action or inaction, the potential negative impacts to the Water District and the watershed if growers were to illegally divert water, dam streams or drill wells willy-nilly.

Committee member Fultz had several concerns about the District's participation in the County's Ordinance given federal illegality of marijuana and expressed his concern that the County should provide legal indemnity to the Water District.

The District will provide comment on the County's proposed Ordinance reflecting the District's concerns over potential negative impacts to the Water District and the Watershed in the absence of the option to utilize bulk water deliveries for medical marijuana cultivation – or any other agricultural crop.

c. STATE REVOLVING FUND (SRF) APPLICATION PROCESS Discussion and possible action by the Committee regarding the SRF Application Process.

DM Lee commented that this topic was not urgent and asked to defer this item to the next committee meeting.

d. FORM 700 REQUIREMENTS FOR APPOINTED COMMITTEE MEMBERS Discussion and possible action by the Committee regarding Form 700 Requirements for Appointed Committee Members.

We presently require all committee members – board members and appointed public members – to submit a Form 700. The District perceives the requirements for appointed public committee members as a ‘grey area’ for this disclosure. There are options for ‘short form’ disclosures for appointed public committee members. The issue arose in the context of the Lompico oversight committee, and a concern raised by a member of the public that the full Form 700 reporting might be burdensome.

After discussion, a review of an example from the Library Board provided by Mr. Holloway, the consensus of the committee was to continue requiring appointed public committee members to file the full Form 700 disclosure, in keeping with the District’s desire for transparency and accountability. And, further, to provide support and tutorials to committee members to reduce any reporting burdens and to facilitate accuracy and completeness.

5. Informational Material: Mr. Holloway provided a one page, double-sided hand-out describing the Library Board’s guidance on filing Form 700. Chair Bruce reminded the group of the upcoming Water Mixer hosted by the Valley Chambers and Water Districts at the Trout Farm Inn on Thursday evening. District Manager Lee reminded the group of Sunday’s Memorial Celebration for Rob Menzies at Camp Joy on Saturday – and that parking there is extremely limited.

6. Adjournment

The meeting adjourned at 1:55pm.



NOLAN ASSOCIATES

January 29, 2016

Job No. 13021

Chris Berry
Watershed Compliance Manager
City of Santa Cruz Water Department
715 Graham Hill Rd. Building A
Santa Cruz, CA 95060

SUBJECT: FINAL REPORT
 Karst Protection Zone Investigation
 City of Santa Cruz
 Santa Cruz County, California

Dear Mr. Berry:

This report summarizes the findings and conclusions of our karst protection zone investigation. The purpose of the proposed study was to develop an inventory of karst related rock formations in western Santa Cruz County as part of an overall effort to protect and manage ground and surface water resources in Santa Cruz County. Figure 1, Topographic Index Map, shows the location and topography of the study area.

Our scope of services for this project included the following tasks:

- a. Collection and Review of Existing Data, including:
 - i. Comprehensive review of existing geologic and hydrologic mapping.
 - ii Reconnaissance geologic mapping from stereographic aerial photos of the study area utilizing aerial photographs ranging in age from the 1930's to the present.
 - iii. Review of Lidar imagery available for Santa Cruz County.
 - iv. Public outreach to the caving community and other earth science professionals.
 - v. Review of boring/water well data.

- b. Field Reconnaissance and detailed geologic mapping of select areas within the study area.
- c. Production of a marble outcrop map.

PROJECT AREA GEOLOGIC SETTING

For the purposes of the present project, the study area is roughly defined as the Ben Lomond Mountain block, bounded to the north by the Zayante fault, to the west and south by the Pacific Ocean, and to the east by the Ben Lomond fault (Figure 2, Study Area Geologic Map). The Ben Lomond Mountain Block is a large mass of granitic rock that was uplifted and tilted to the southwest by the Ben Lomond fault, which parallels the San Lorenzo River Valley for much of its length. The granitic rock that forms the core of Ben Lomond Mountain is locally overlain by relatively thin deposits of metamorphic and sedimentary rocks, consisting primarily of schist and marble (Figure 2).

The metamorphic rocks of Ben Lomond Mountain are derived from very old sedimentary rocks that have been altered (metamorphosed) by high pressure and heat, owing to deep burial in the earth's crust. This process resulted in the production of marble, schist, and quartzite—metamorphic rock derived from the original sedimentary layers of limestone, shale, and sandstone, respectively.

The metamorphic rocks originally formed a cap over magma chambers located miles underground. The magma eventually cooled and crystallized into the granitic rock that makes up the core of Ben Lomond Mountain. The granitic rock has since been uplifted from depth and the metamorphic rock cap that covered the granitic rock was mostly eroded away, leaving only remnants of metamorphic rock that now form scattered outcrops of marble, schist, and quartzite over the crest of the granitic rock of the Ben Lomond block (Figure 2).

Because the metamorphic outcrops are small erosional remnants of an originally extensive rock formation, the outcrops tend to be irregular and randomly distributed. The metamorphic rocks have also been subjected to great tectonic forces and are deformed by folding and faulting, making it difficult to trace individual layers from place to place.

Our study has focused on the occurrence of marble bedrock. Marble is a metamorphic form of limestone. Both rocks are composed of the mineral calcite, but marble has been re-crystallized by high heat and pressure so that it is usually denser and more massive than the original limestone from which it formed. The terms marble and limestone are sometimes used interchangeably. There is a long history of the mining of marble in Santa Cruz County for the production of lime, which is used to make the cement used in concrete. Many of the historical accounts of the mining industry refer to the rock as limestone.

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The marble bedrock is unique among the different rock types on Ben Lomond Mountain because marble (and limestone) will dissolve in water, forming open fissures and caverns underground. Where caves or fissures reach the ground surface, sinkholes form. Collectively, these features result in a unique appearing landscape known as karst terrain. Several areas of karst terrain are recognized on Ben Lomond Mountain.

Significance of Karst Terrain

The interest in karst terrain is occasioned by its unique effect on ground water flow. Normally, ground water flows through the small spaces between the grains that make up rock or through small cracks in the rock. Flow rates in these rocks are generally slow, from fractions of an inch to not more than a few feet per day, and the water flowing through these small spaces is filtered to some extent. In karst terrain, the water flows through open fissures or caverns created by dissolution of the marble, and flow rates can be hundreds or thousands of feet per day, with little or no filtration. Where the system of open fissures and caverns contains water, the system is referred to collectively as a karst aquifer.

The karst aquifer system acts as a collector, accepting water from surrounding rocks and concentrating it into underground flow through the fissure system. A karst aquifer also commonly acquires water from surface streams where the streams cross sinkholes. The sinkholes in this case are known as swallow holes and they may capture part or all of the surface flow of the stream. This feature of karst terrain often prevents ordinary surface drainage systems from forming in areas underlain by marble or limestone. Where the flow through the underground karst channels reaches the ground surface, it forms karst springs.

Karst springs are often good water supply sources. Karst springs are important water supply sources for the City of Santa Cruz Water Department and the San Lorenzo Valley Water District. However, because of the lack of filtration and direct and rapid flow of surface water into the sinkhole or swallow holes and back out at karst springs, these water sources can also be easily contaminated by surface activities.

LITERATURE REVIEW

For this study we reviewed geologic literature and maps for the study area. Early descriptions of the geology of the Ben Lomond Mountain area included Branner, Newsom, and Arnold (1909) and Fitch (1931). Leo (1961, 1967) provided the first comprehensive look at the granitic and metamorphic rocks of Ben Lomond Mountain. Comprehensive mapping of the Central Santa Cruz Mountains, including Ben Lomond Mountain was provided by Brabb (1970). The geologic mapping and Tertiary stratigraphy of Ben Lomond Mountain was further refined by Clark (1981).

Detailed studies of portions of Ben Lomond Mountain relevant to the present study were conducted by Nolan Associates (1996), Nolan, Zinn, and Associates (2005) and Nolan Associates (2007), for Pogonip, the UCSC campus, and Bonny Doon quarry areas, respectively. The area of karst terrain surrounding the Bonny Doon marble quarry was also the site of dye tracer studies conducted by P.E. LaMoreaux and Associates (2005). The dye tracer studies involve introduction of dyes into entry points for the karst aquifer (sinkholes or swallow holes) and monitoring of karst springs downstream for the appearance of dye. The dye tracer studies can be used to determine flow patterns and connectivity between specific sinkholes and springs in karst aquifers. Dye tracer studies have also been performed for the karst system under the UCSC campus (Ayers, 1991).

REMOTE SENSING IMAGERY

Two types of remote sensing imagery were used for this study. Stereographic aerial photos ranging age from 1940 to 1973 were studied to identify areas of karst terrain within the Ben Lomond block. In addition to aerial photos, Santa Cruz County has lidar coverage that was analyzed to identify sinkholes.

Aerial Photos

The aerial photo flight lines and coverage consulted for this study area are listed in the references section, at the end of the text. Two of the flight lines received the closest scrutiny: 1943 and 1972-73. These flight lines were chosen for age, clarity, scale, and coverage. Air photo review for the southern portion of the study area was supplemented by 1940 aerial photos.

Much of Ben Lomond Mountain is heavily forested. The aerial photography is of limited use in forested areas. Because Santa Cruz County was heavily logged in the early and mid 20th century, the terrain in the older photos is more lightly forested. We therefore relied more heavily on the 1943 flight line. The photos were observed through a stereographic viewer and notes were taken on separate topographic sheets to identify areas of interest for later field inspection.

Lidar Coverage

Lidar data sets are collected using airborne ranging lasers combined with very tightly controlled geographic positioning. The resulting data sets consist of millions or billions of individual points for which a geographic location and an elevation are known. The data sets can be processed to produce topographic maps or shaded relief maps of the terrain. Figure 3 shows a shaded relief map of the study area based on the lidar coverage. The advantage of lidar imagery over conventional aerial photographs is that it can penetrate the forest canopy, so that it shows a truer picture of the ground surface.

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The lidar coverages are in digital form and can therefore be processed digitally to identify or isolate key features. We processed the lidar coverage to identify closed topographic depressions. The principal surface characteristic of karst terrain are sinkholes, which form closed topographic depressions, that is, surface depressions that form basins. Closed topographic depressions do not form in the ordinary process of landscape evolution, which is driven principally by weathering of earth materials and erosion by flowing water. Therefore closed depressions indicate more specialized landscape processes, such as glacial erosion, active faulting, landsliding, or sinkhole formation in areas underlain by marble or limestone.

We used the hydrologic tools in ArcMap to identify all closed depressions recorded by the lidar data set within the study area. The resulting data set contained a good deal of false closed depressions, particularly along stream drainages, due to the random distribution of the lidar data points. In streams, the data points may not follow the thalweg (flowline) of the creek, and may represent the top of a boulder or the stream bank, rather than the bottom of the creek, making it appear that there is an increase in elevation moving downstream, rather than a decrease. To remove some of these false signals, we filtered the data by removing closed depressions below a certain size limit.

For the purposes of this study, we filtered out all closed depressions less than 100 square feet in area (roughly a 10-foot by 10-foot rectangle.) We chose this filter for two reasons: 1) while there may be closed depressions related to karst terrain in the study area smaller than 100 square feet, there is a low likelihood that they would be accurately recorded by the lidar data, and 2) the filter substantially reduced the amount of noise (false positives) in the data set.

We evaluated this methodology by comparing the ArcMap generated map of closed depressions with a map of actual sink holes located by field mapping. Nolan, Zinn, and Associates (2005) performed detailed mapping of the UCSC campus and their study provided a map layer showing all recognized sinkholes on the campus. Figure 4 includes the sinkhole map for the central portion of campus. Also shown on Figure 4 is the campus sinkhole map overlaid with the closed depression layer we generated.

The GIS analysis recognized about half the mapped sinkholes. False positives still appear, despite the filter, but the closed depression layer was effective in identifying sink holes in areas that are not heavily forested. Despite the ability for lidar data sets to “see through” the vegetation canopy, the data set’s resolution in areas of heavy tree cover is lower than in more open areas. The map was less accurate in areas under forest canopy and in areas with a high concentration of large buildings, as might be expected. It should be noted, however, that a number of the sinkholes mapped, especially in the northern portion of the map, were identified based on drill hole data rather than surface expression, and would not show up as closed depressions in any case. Consequently, we consider the accuracy of the close depression layer to be better than is indicated by simple inspection of Figure 4.

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The closed depression layer also identifies ponds, reservoirs, and areas where fill embankments for roadways cross stream drainages. For example, an old City reservoir shows up as a closed depression on Figure 4, as does a stream drainage crossed by a large road fill (Figure 4). The closed depression layer for the study area is shown on Plate 1. The lidar data correctly identified closed depressions associated with wave troughs offshore (Plate 1). The closed depression layer was used in conjunction with the aerial photo review to select areas for field study.

WELL RECORD REVIEW

As part of this study, we reviewed 1,305 well records available from Santa Cruz County Environmental Health for the study area. These well records were classified based on whether they showed direct evidence for marble or evidence for large voids, which would be indirect evidence for the presence of marble.

The interpretation of well records is not always straight forward. Well drillers are not trained in rock identification and the purpose of well drilling is to find water, not to document rock types. Consequently, rock types may be mis-identified and changes in rock type may be missed or logged at the wrong depth. We therefore evaluated the well records both on the basis of whether or not marble was reported on the well log and also according to whether rock types indicated on the well log could be reasonably inferred to be marble. One of the principal indicators of marble or limestone are void spaces underground, which do not occur significantly in rocks that do not dissolve in water.

The well logs were classified as to whether marble was possibly or definitely observed and whether voids were possibly or definitely observed. The well locations with a probable or definite occurrence of marble or voids are plotted on Plate 1 according to the following classification scheme:

SYMBOL	MARBLE OBSERVED	VOID OBSERVED
	no	P
	P	no
	P	D
	D	no
	D	D

no = not observed
P = possible
D = definite

FIELD MAPPING PROGRAM

The field mapping program involved 133 hours of field time and was focused on areas of known marble outcrop and areas identified by the remote sensing and well record reviews as being areas of interest. Marble outcrops on the northeastern side of Ben Lomond Mountain and including the Fall Creek basin received particular scrutiny. These areas had not previously been mapped in detail, as had other areas of significant marble outcrop on and around the UCSC campus and the Bonny Doon marble quarry, including Laguna Creek. Field mapping was done on topographic base sheets at a scale of 1:4800. Significant features were located with gps-derived UTM coordinates. The results of the field mapping program are depicted on Plate 2, Marble Outcrop Map. Plate 3, Marble Structure, is a larger scale map of the marble outcrops showing structural information.

We did not discover any large new outcrops of marble on Ben Lomond Mountain. We did, however, refine the mapping of marble, especially on the northeast side of Ben Lomond Mountain and near the Ice Cream Grade crossing of Laguna Creek, with modest increases in the areas mapped as marble. We also mapped a new, small marble body in the area of the Granite Construction Felton Quarry (Plate 2) that had not previously been documented. There may be some additional, though likely small, outcrops in the adjacent section of Gold Gulch Creek that we were not able to access.

Marble Outcrop Characteristics

The marble cropping out on Ben Lomond Mountain has been described in some detail by Leo (1967). In general, relict bedding is visible in the marble as foliations or expressed as thin layers of schist, a relict of thin sedimentary layers intercalated in the original limestone. Contacts with bounding bodies of schist or quartzite are generally parallel to the foliations in both bodies. The contacts and foliation in both the marble and schist are generally consistent over substantial areas. Veins or sills of granitic rock are common.

The structure of the metamorphic rocks is well documented on the UCSC campus because of the relatively large size of the mass, the exposure afforded by numerous marble quarries, and the boring logs from hundreds of geotechnical investigations that have been performed for campus development. The metamorphic rock is cut by a grid of east-west and north-south trending faults that is visible on topographic maps and aerial photos (Plate 3). The fault system is well expressed in surface topography due to solution of the marble by preferential ground water flow along the fault lines, which has etched them into the campus topography. Faulting is accompanied by some open folding.

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The metamorphic body at UCSC appears as a mostly coherent, although faulted mass showing roughly east-west striking, moderately north or south dipping foliations and contacts between marble and schist layers (Plate 3). This pattern is repeated to a large extent in the marble bodies along the northeastern flank of Ben Lomond Mountain and in the marble sequence extending from the Bonny Doon marble quarry to the Ice Cream Grade crossing of Laguna Creek.

Marble outcrops on the northeast side of Ben Lomond Mountain and in the upper part of the Laguna Creek watershed show a consistent pattern of relatively small, lense shaped bodies elongate in and east-west direction, approximately parallel to strike of foliations (Plate 3). We also noted small lense shaped bodies of marble cropping out in Majors Creek (Plate 3). The larger marble bodies on the UCSC campus and at the Bonny Doon quarry are more tabular in form, but they maintain the mostly east-west to southeast-northwest strike of foliation.

In contrast, the marble in the San Vicente Creek marble body shows little in the way of coherently oriented foliations through much of the quarry. This marble body is partially enveloped in granitic rock, and it is possible that it suffered a higher degree of thermal alteration during intrusion of the granitic magma than in other areas.

We noted a modest cockpit karst type terrain forming over areas of marble at the Bonny Doon marble quarry (now mined out) and the marble mass along Ice Cream Grade. The terrain on the UCSC campus has a somewhat less well developed surface expression. Ben Lomond Mountain has been undergoing gradual uplift over the last 800,000 years or more and it is marked by a flight of marine terrace increasing in age with elevation. The geomorphic surface at UCSC is at a lower elevation than the Bonny Doon outcrops and it is therefore younger in age, which may explain its less mature karst related topographic expression. The San Vicente Creek quarry had already been substantially mined by the time of the early aerial photos (1940), so we could not tell whether it was associated with any particular surface expression prior to mining. The marble bodies on the northeast side of Ben Lomond Mountain have been extensively mined and are obscured by a dense forest canopy. It is difficult to draw any conclusions regarding pre-mining surface expression.

All of the substantial marble bodies appear to be cut by faults and/or fractures (Figure 3). Contacts with surrounding igneous rocks usually cut across foliation and across contacts between the different metamorphic units. In some cases, the contacts between metamorphic rocks and granitic rocks appear faulted. In other cases, there is a noticeable thermal contact zone.

The marble body in the San Vicente Creek quarry is partially encapsulated by granitic rock (Plate 3). The contacts at the southwestern and northern ends of the lenticular mass dip back under the granitic rock. The eastern margin of the marble body is in fault contact with the granitic rock and

it appears that the granitic rock was thrust over the marble. Vanishing River Cave extends back from the northeastern wall of the limestone quarry several hundreds of feet, indicating that the marble mass extends northeasterly from its surface exposure, at least partially under granitic rock thrust over the marble.

We also mapped a new marble body in a drainage that flows in a southerly direction from the middle of the Granite Construction's Felton Quarry property. Based on our field traverse, this marble body appears to be fully encapsulated in granite, but is bounded along its eastern margin by faulting. We also noted several boring logs that indicate marble bodies within the granite mass along a northwest-southeast axis passing through the quarry (Plate 2). One of the most southernly of these wells encountered "limestone" and a 50' high water filled void overlain (apparently) by granite. We did not note any evidence for a surface outcrop of limestone in this area.

Subsurface Occurrence of Marble

As can be seen on Plate 2, a number of wells encountered marble bodies at depth. In some cases, the marble bodies appear to be encapsulated in granite. We did not see evidence for surface outcrops of marble at these locations. However, the wells are typically approximately located, and in some cases mis-located, and not all well locations were readily accessible. We presume that, in most cases, the marble encountered in the wells comprise isolated masses that do not connect to form a karst aquifer, but we do not have adequate information in all cases to make that judgement.

We noted a feature of the sedimentary rocks overlying the marble body at San Vicente quarry that is of interest. The sedimentary unit directly overlying the marble is the Santa Margarita Sandstone. This unit typically consists of a weakly cemented friable sand. Where it overlies the marble, it is a hard, highly calcareous sandstone. The calcareous cementation at this site was also noted by Clark (1981). We also observed a similar calcareous cementation in the Lompico Sandstone in the lower portion of Laguna Creek.

We infer from the calcareous cementation in the Lompico Sandstone in Laguna Creek below Smith Grade Road that the sandstone is locally underlain by marble. We made several other observations that support this inference. There are a number of wells in the vicinity that encountered marble (Plate 2). We also noted a tufa deposit on the bank of Laguna Creek about one-third of the way down Laguna Creek towards the ocean from Smith Grade Road. We infer this tufa deposit to be indicative of a former karst spring at this location.

We have noted a pattern of small lense-shaped marble bodies in the metamorphic complex (Plate 3). It is considered likely that additional marble bodies occur beneath the Tertiary sedimentary

cover, including a sizeable marble mass underlying the Lompico Sandstone in lower Laguna Creek, as noted above.

Karst Springs

Plate 2 depicts karst springs derived from field observation and compilation of springs identified by other sources (Weber and Associates, 1989; Nolan Associates, 1996; Nolan, Zinn, and Associates, 2005; Nolan Associates, 2007). The karst springs are typically located on the down-gradient (downhill) side of marble outcrops where they abut non-soluble bedrock.

We have mapped a karst spring in San Vicente Creek under the existing quarry based on inference rather than direct observation. San Vicente Creek is carried through an at least partially artificial channel under the San Vicente Quarry. This channel intersects the cave system under the quarry and the cave system extending northeastward from the quarry face (Vanished River cave (Rogers, 1970)). These caves represent a small karst aquifer and we consider it likely that the karst aquifer drains into San Vicente Creek beneath the quarry.

Creegan and D'Angelo (1984) compiled stream flow data for flow gages on the upstream and downstream sides of the quarry. If there were a substantial spring under the quarry, we would expect to see significantly greater stream flow at the gage below the quarry during the dry season (corrected for the diversion for the Davenport water supply). The stream flow data is equivocal. We have included a spring at this location on our compilation map (Plate 2), but we consider the existence of a significant spring under the quarry to be an open question.

SUMMARY OF PRINCIPAL FINDINGS

1. We did not identify any large new outcrops of marble on Ben Lomond Mountain. Detailed mapping of previously recognized outcrops in the Ice Cream Grade area of Laguna Creek and on the northeast flank of Ben Lomond Mountain did show that several of these outcrops were somewhat larger than previously documented, but not substantially larger. We did identify a relatively small new outcrop of marble in the Felton Quarry.
2. There may be significant masses of marble buried by sedimentary rock in the lower Laguna Creek basin. There may also be some buried marble in the middle portion of the Majors Creek basin, although the evidence for this inference is not strong.
3. There appear to be masses of marble occurring as inclusions within the granite, based on review of the well data. These masses are very probably relatively small in size and not generally interconnected.

Nolan Associates

Please contact us if you have any questions regarding the marble mapping information or other aspects of this investigation.

Very truly yours,

NOLAN ASSOCIATES

A handwritten signature in black ink, appearing to read 'Jeffrey M. Nolan', written in a cursive style.

Jeffrey M. Nolan, R.G., C.E.G.
Principal Geologist

Attachments: References
 Figures 1-4
 Plates 1-3

Nolan Associates

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Air Photos

1. UCSC Catalog Number: 1973-74

Flight Sponsor: Big Creek Lumber

Flown By: WAC Corporation

Scale: 1:15,840

Type: Black and White, 9"x9" prints

Frames: Flight Line 5, frames 5-1 to 5-10
Flight Line 6, frames 6-1 to 6-11
Flight Line 7, frames 7-1 to 7-13
Flight Line 8, frames 8-1 to 8-15
Flight Line 9, frames 1-1 to 1-15
Flight Line 10, frames 2-1 to 2-11
Flight Line 11, frames 3-1 to 3-8
Flight Line 12, frames 4-1 to 4-6

2. UCSC Catalog Number: 1943

Flight Sponsor: USDA

Flown By:

Flight Symbol: CJA

Scale: 1:10,000

Type: Black and White, 18"x18" prints

Frames: 2B-89 to -97
2B-75 to -85
2B-58 to -69
2B-38 to -50
2B-20 to -30
2B-3 to -10
1B-71 to -76

3. USCS Catalog Number: 1940

Flight Sponsor: USACOE

Flown By: Fairchild Aerial Surveys

Flight Symbol: C-6472

Scale: 1:18,000

Type: Black and White, 9"x9" prints

Frames: 47-57
61-70
80-98
103-111

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United States Geological Survey (USGS), 1954, revised 1991, Davenport quadrangle, California: 7.5-minute topographic series, scale 1:24,000.

United States Geological Survey (USGS), 1954, revised 1991, Felton quadrangle, California: 7.5-minute topographic series, scale 1:24,000.

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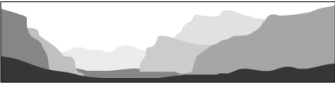
Study Area Boundary



Pacific Ocean

0 0.5 1 2 3 Miles

Reference: U.S. Geological Survey 7.5 minute topographic map series, Franklin Point, Big Basin, Castle Rock Ridge, Point Ano Nuevo, Davenport, Felton, and Santa Cruz Quadrangles.

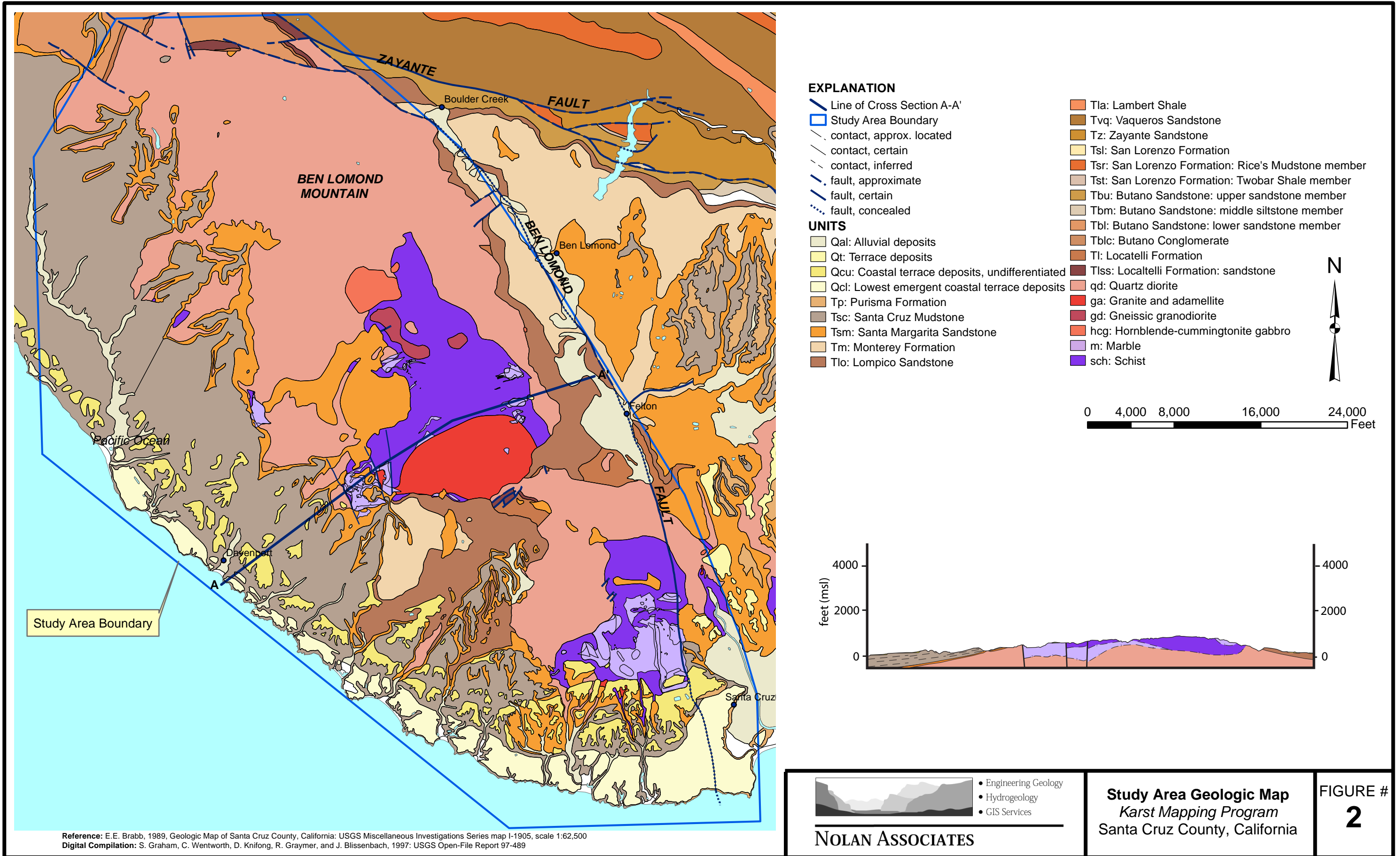


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- Hydrogeology
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Topographic Index Map
Karst Mapping Program
 Santa Cruz County, California

FIGURE #
1

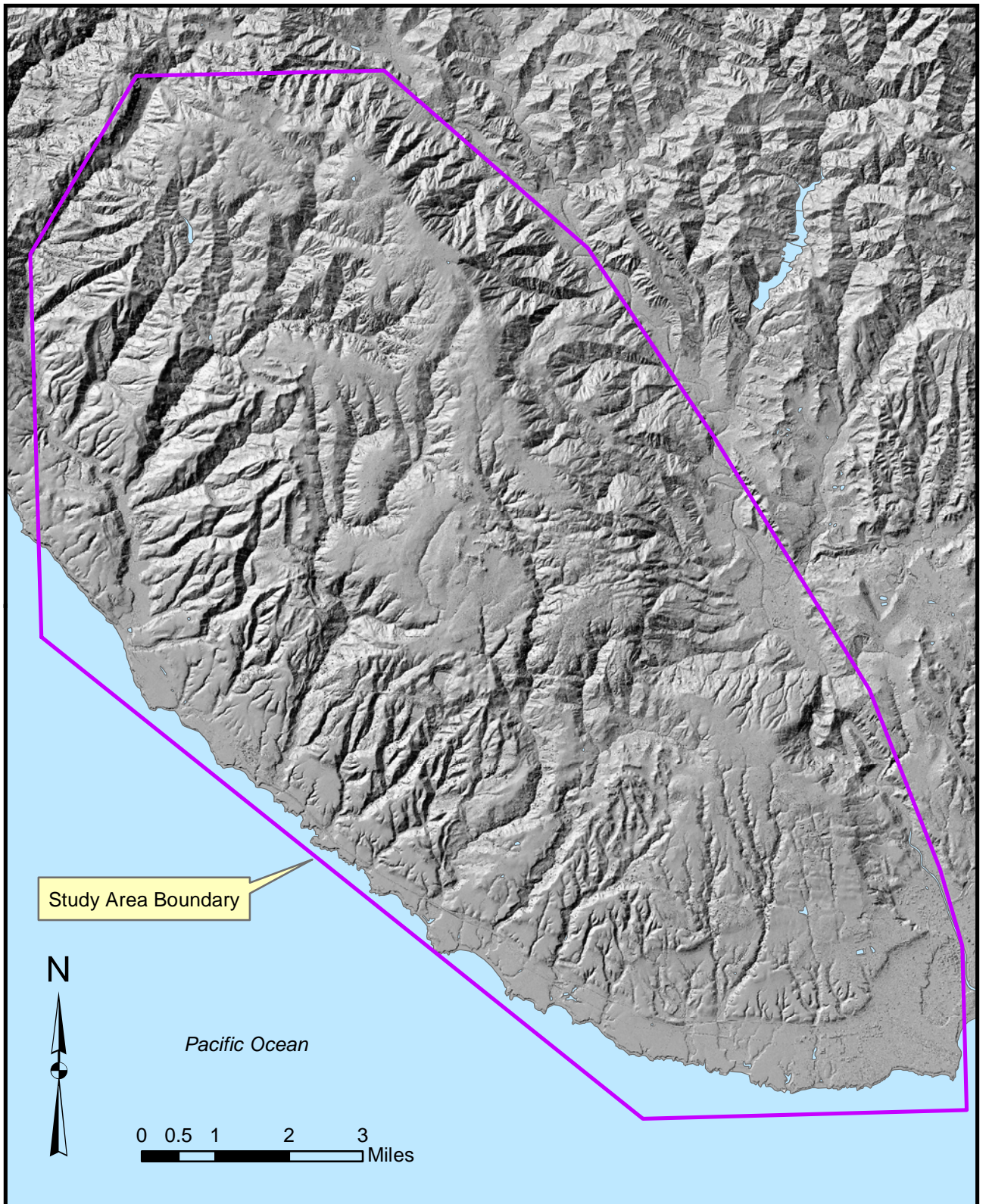



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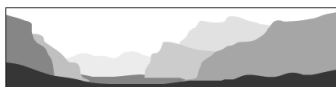
NOLAN ASSOCIATES

Study Area Geologic Map
 Karst Mapping Program
 Santa Cruz County, California

FIGURE #
2



Reference: U.S. Geological Survey 7.5 minute topographic map series, Franklin Point, Big Basin, Castle Rock Ridge, Point Ano Nuevo, Davenport, Felton, and Santa Cruz Quadrangles.



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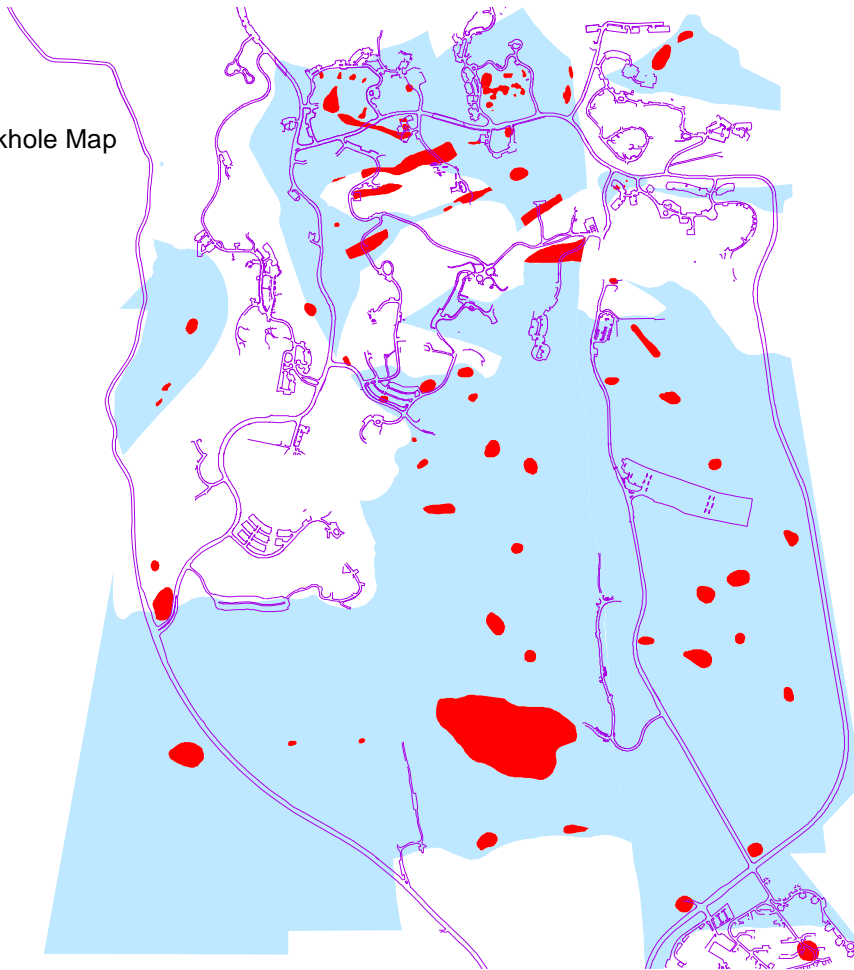
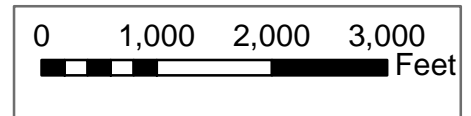
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Lidar Coverage Map
Karst Mapping Program
 Santa Cruz County, California

FIGURE #
3

DRAFT

UCSC Sinkhole Map



UCSC Sinkhole Map
with closed depression
layer overlay

Stream drainage crossed by
roadway fill embankment

Old City Reservoir

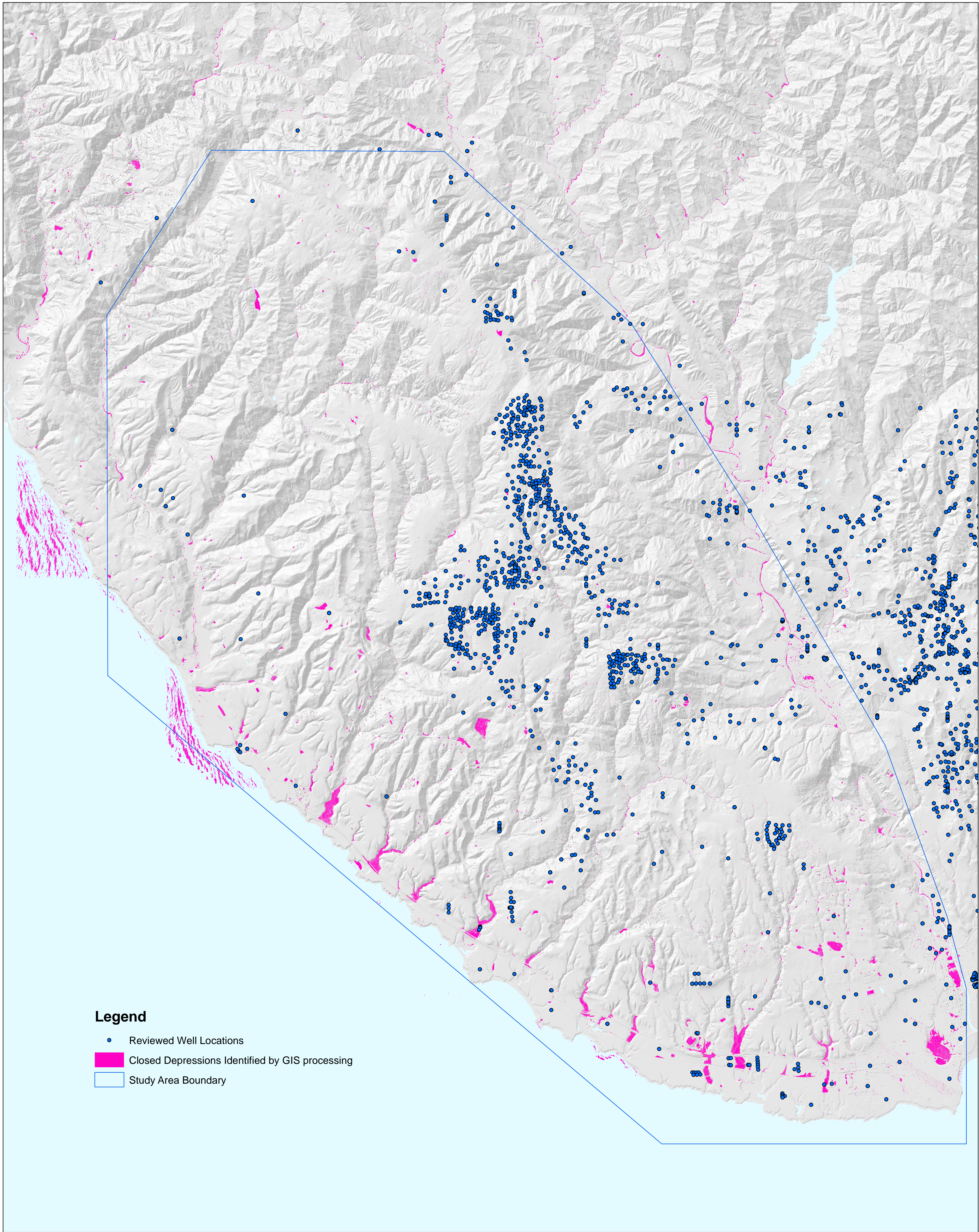
Legend

- Sinkhole
- Marble Outcrop
- Closed Depressions, filtered

Closed Depression Evaluation

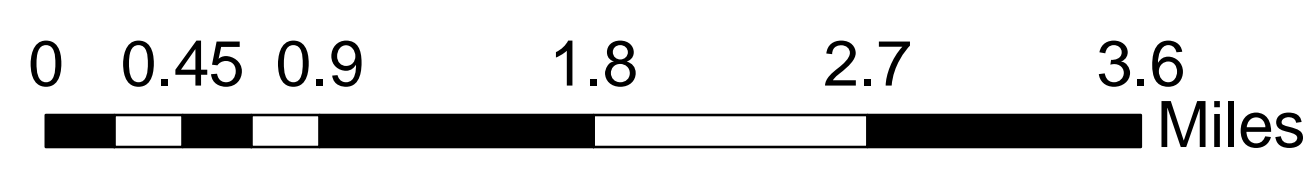
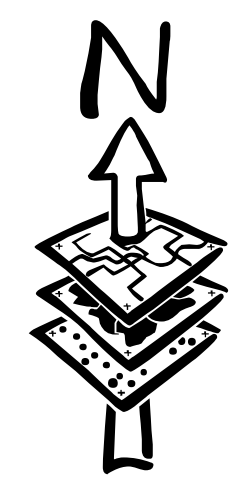
Karst Mapping Program
Santa Cruz County, California

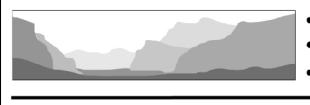
FIGURE 4

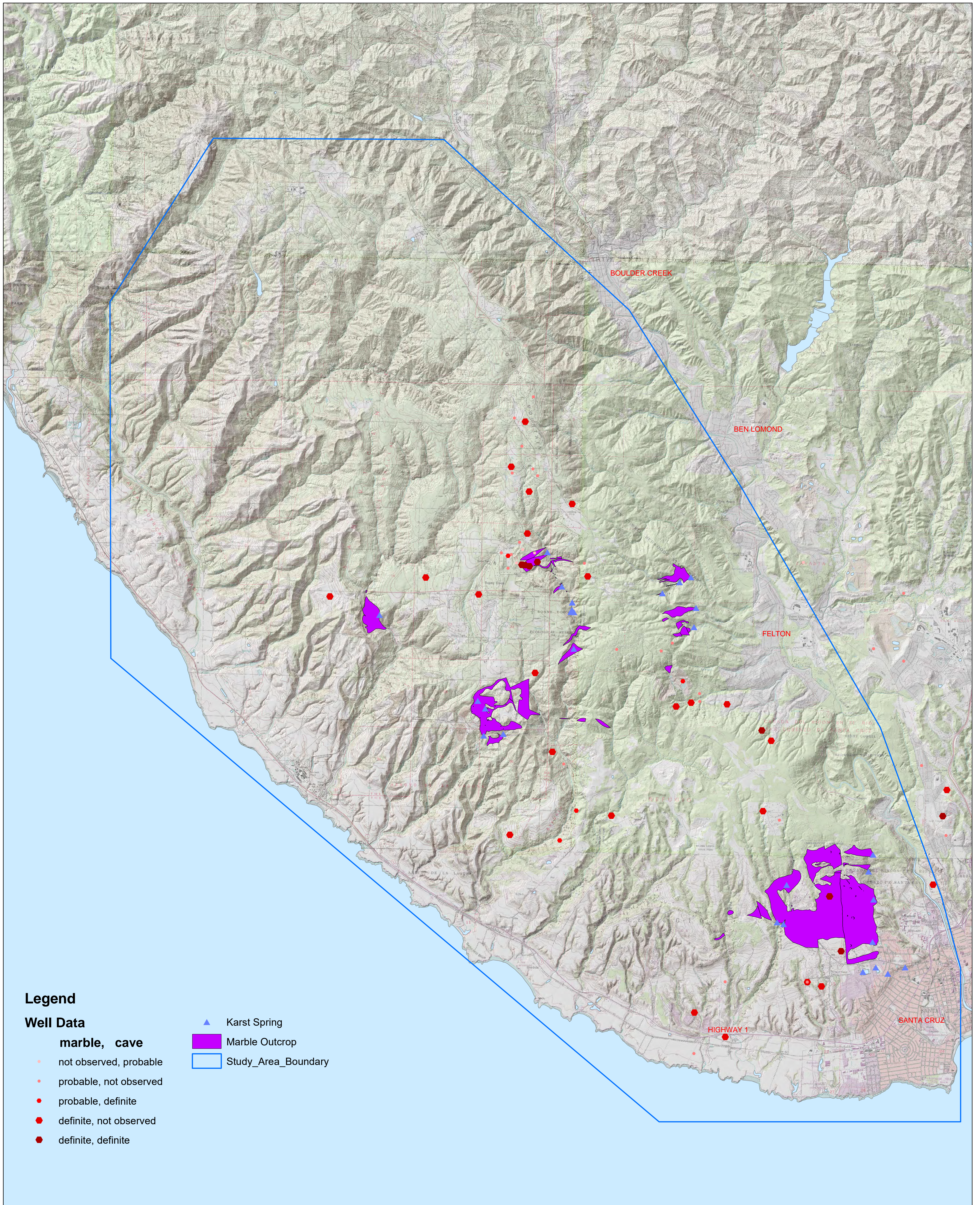


Legend

- Reviewed Well Locations
- Closed Depressions Identified by GIS processing
- Study Area Boundary



 NOLAN ASSOCIATES	• Engineering Geology • Hydrogeology • GIS Services	Date: 10/2015
		Revised:
		Project: 13021
GIS Layer Showing Closed Depressions		
Karst Mapping Program Santa Cruz County, California		
Scale: 1:40,000		Plate 1
Drawn by: JMN		



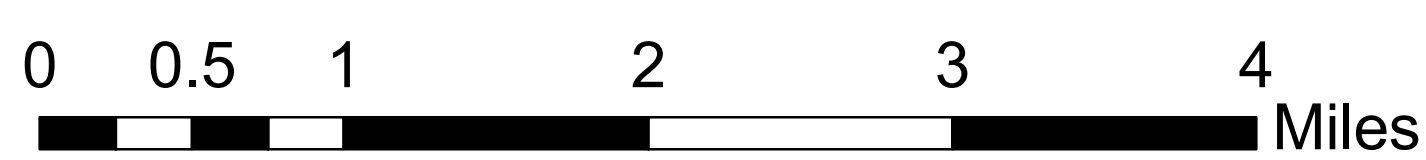
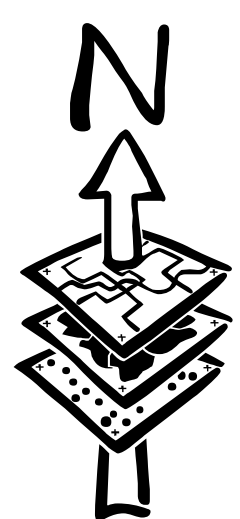
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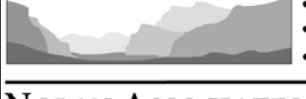
Well Data

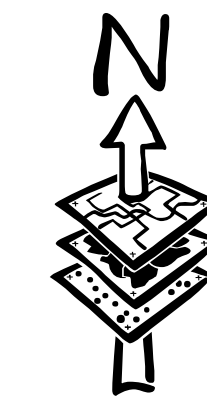
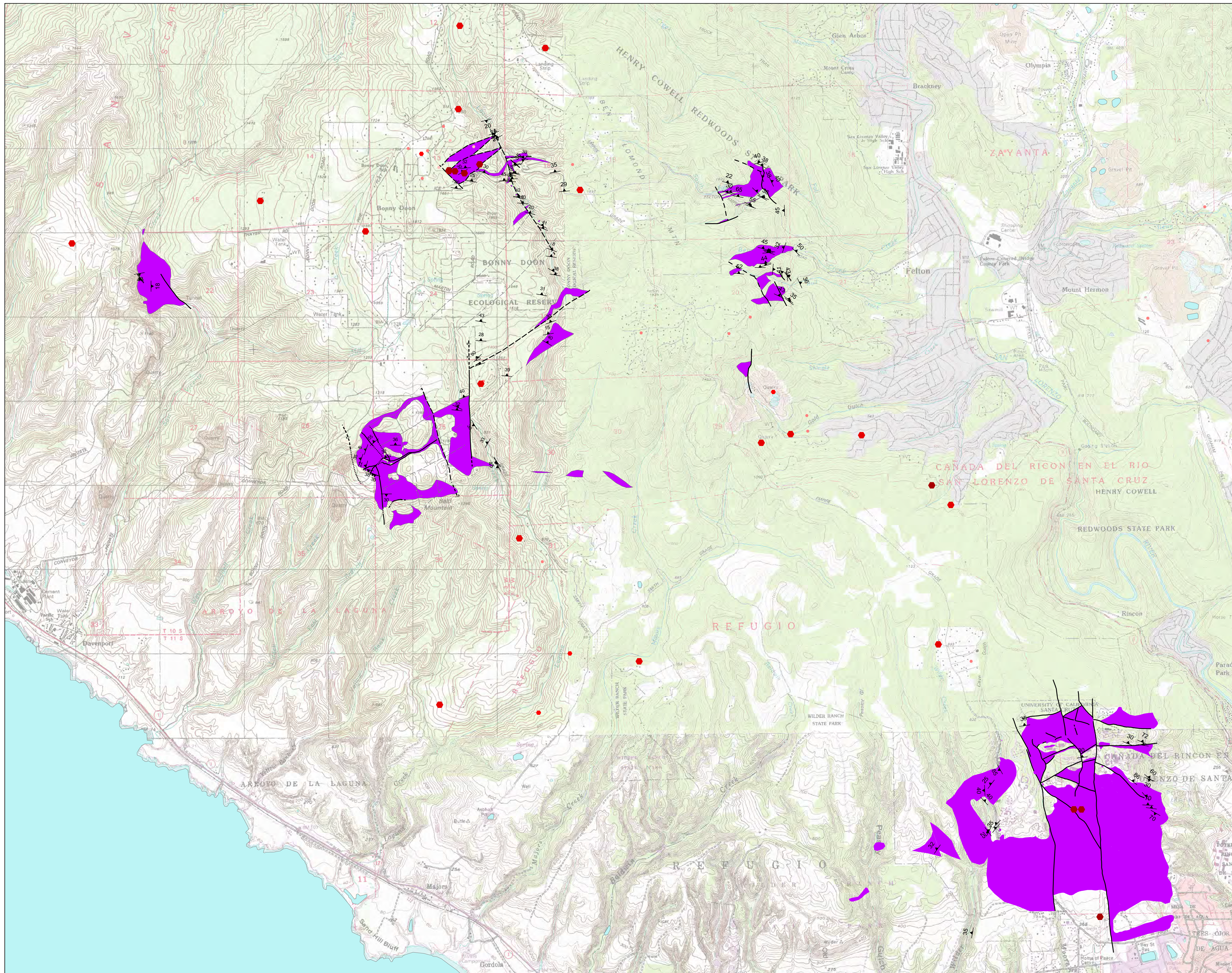
marble, cave

- not observed, probable
- probable, not observed
- probable, definite
- definite, not observed
- definite, definite

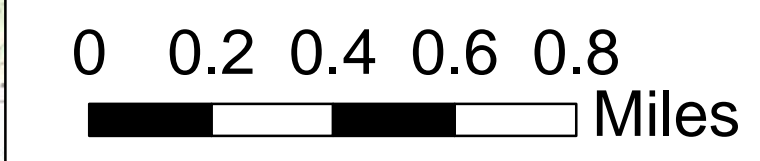
- ▲ Karst Spring
- Marble Outcrop
- Study Area Boundary



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	Revised:
Project: 13021	
Marble Outcrop and Well Data Karst Mapping Program Santa Cruz County, California	
Scale: 1:40,000	Plate 2
Drawn by: JMN	

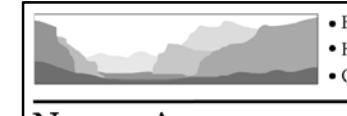


SCALE
1:20,000



Legend

- Well Data**
- marble, cave
 - not observed, probable
 - probable, not observed
 - probable, definite
 - definite, not observed
 - definite, definite
- Faults and Fractures**
- Fault, certain
 - Fault, approximately located
 - Fault, buried or inferred
 - Fault, queried
 - Fracture, strongly expressed
 - Fracture, moderately expressed
 - Fracture, weakly expressed
 - Marble Outcrop

 • Engineering Geology • Hydrogeology • GIS Services	Date: 10/2015
	Revised:
Project: 13021	
Marble Structure Karst Mapping Program Santa Cruz County, California	
Scale: 1:20,000	Plate 3
Drawn by: JMN	

May 24, 2016

San Lorenzo Valley Water District
Attn: Jen Michelsen
13060 Highway 9
Boulder Creek, CA 95006

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MAY 24 2016

SAN LORENZO VALLEY
WATER DISTRICT



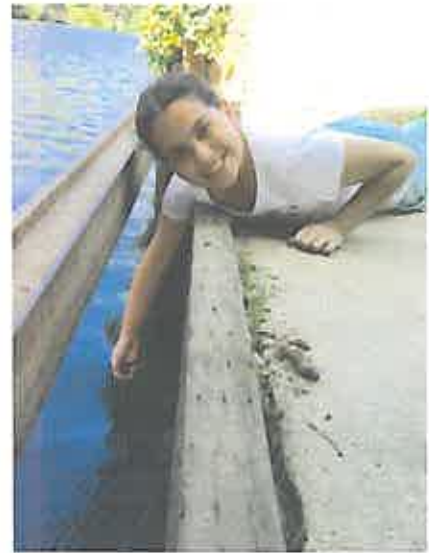
COASTAL-WATERSHED.ORG

*Preserving and protecting
our coastal watersheds*

Dear Jen,

Thank you for reconnecting a healthy San Lorenzo watershed to a vibrant community. I know that the San Lorenzo Valley Water District board, staff and customers care deeply about the connection between community and the natural world. Your Watershed Education Grant Program drives positive changes along the river making it a healthier, safer and more vibrant place for all of us to enjoy. I am so grateful for your support.

Thanks to your funding, Watershed Rangers will connect, inspire and empower San Lorenzo Valley middle school students in the hands-on exploration of the San Lorenzo River watershed and activities that benefit the watershed's environmental health. Using the scientific method, inquiry and analysis students explore the watershed and use tools and technologies to measure environmental parameters. Students learn the importance of the resources the San Lorenzo River watershed provides, including critical habitat and drinking water supply. What makes this environmental education program unique is not only hands-on science experience, but also the emphasis on leadership development. Through Watershed Rangers students discover how each person has their own leadership style and strengths. Students develop their own leadership skills through team-building exercises, mentoring of younger students and community service learning projects that benefit the health of the San Lorenzo River watershed. Watershed Rangers brings environmental education out of the classroom, into the natural world and into communities.



You are making a difference. Thank you for investing in the Coastal Watershed Council, in nature, in the next generation of watershed stewards and in your community.

Warmly,

A handwritten signature in blue ink that reads "Greg Pepping".

Greg Pepping
Executive Director

Pursuant to IRS regulations, the Coastal Watershed Council confirms that your donation of \$2,700 represents a charitable contribution, and no goods or services were provided in whole or partial consideration of this gift. CWC's Federal Tax ID: 68-0368798.

COASTAL WATERSHED COUNCIL
345 Lake Avenue, Suite F, Santa Cruz, CA 95062 ~ (831) 464-9200
www.coastal-watershed.org