



ZONE 3 ADVISORY COMMITTEE

San Luis Obispo County Flood Control and Water Conservation District

AGENDA

Thursday, January 21, 2016 6:30 p.m.

City of Grover Beach

- I. CALL TO ORDER AND ROLL CALL
- II. PUBLIC COMMENT
This is an opportunity for members of the public to address the Committee on items that are not on the Agenda
- III. APPROVAL OF MEETING MINUTES OF November 17, 2015
- IV. OPERATIONS REPORT
 - A. Water plant operations, dam storage, and creek releases
- V. INFORMATION ITEMS
 - A. Distribute Fiscal Year 2016-17 Proposed Budget
 - B. Climate Update
 - C. Projected Reservoir Levels
 - D. PG&E Diablo Canyon Power Plant Desalination Update
 - E. Stormwater Resource Grants - SLCRCD
- VI. CAPITAL PROJECTS UPDATE
 - A. Bi-Monthly Update
- VII. ACTION ITEMS (No Subsequent Board of Supervisors Action Required)
 - A. Habitat Conservation Plan Update
- VIII. ACTION ITEMS (Board of Supervisors Action is Subsequently Required)
 - A. Emergency Water Supply Options Evaluation Letter Update
 - B. Consideration of Using Zone 3 Reserves for Drainage and Flood Control Services including Funding (\$30K) for Meadow Creek Diversion Channel Improvements at Carpenter Canyon Creek.
- IX. FUTURE AGENDA ITEMS
 - A. Contract Renegotiation Discussions
 - B. Funding Groundwater Modeling
 - C. Water Wheeling

XII. COMMITTEE MEMBER COMMENTS

Next Regular Meeting is Tentatively Scheduled for
Thursday, March 17, 2016 at 6:30 PM at Oceano Community Services District
Agendas accessible online at www.SLOCountyWater.org

**SAN LUIS OBISPO COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT
ZONE 3 ADVISORY COMMITTEE
DRAFT MEETING MINUTES
THURSDAY November 19, 2015**

I. Call To Order/Roll Call

The Meeting was called to order at 6:34 pm at the City of Grover Beach by Zone 3 Advisory Committee Chairperson, Paavo Ogren. County Public Works Department Utilities Program Manager and Secretary to Committee, Andrea Montes called role. Members in attendance were:

Karen Bright, City of Grover Beach

Vard Ikeda, Agriculture Delegate

John Wallace, Vice Chair - County Service Area 12 Member at Large

Paavo Ogren, Chairperson - Oceano Community Services District

Kristen Barneich, City of Arroyo Grande

Ed Waage, City of Pismo Beach

Quorum was established and the meeting continued.

II. Public Comment - No public comment given.

III. Approval of Meeting Minutes September 17, 2015 - Member Wallace asked for clarification regarding Steph Wald's indication that the Central Coast Salmon Enhancement (CCSE) would continue to share stream gauge data with the County. Jill Ogren, County Public Works Engineer, confirmed the County has historical data at that particular gauging station, however when the CCSE does its project, the project will include a new stream gauge the County will own and the CCSE will collect data from and share with the County.

No public comment given. Member Bright motioned for approval, seconded by Member Wallace; Member Garing abstained due to absence at September meeting. Motion passed.

IV. Approval of 2016 Meeting Schedule - Member Bright motioned for approval, seconded by Member Barneich; motion passed unanimously.

V. Operations Report - Lopez Water Treatment Plant Assistant Superintendent, Joe Phillips, presented the operations report for the Lopez Facility. The lake elevation was 467.38 feet; storage capacity was 14,399 acre-feet; the capacity was 29 percent; rainfall to date was 2.7 inches; Plant production was about

3.53 million gallons per day; filter turbidity range was .02; terminal reservoir visibility was about 9 feet; and downstream release was 5.1 million gallons per day.

Chairperson Ogren asked when we would be projected to hit 10,000 acre-foot level, which would trigger the next level of the Low Level Response Plan. Ms. Ogren informed the Committee without any rain, we are projected to hit 10,000 acre-feet in August 2016.

No public comment was given.

VI. First Quarter Budget Status FY 2015/16 - Joanne Hilker, County Public Works Finance Accountant, presented the First Quarter Budget Status Report for Flood Control Zone 3. Ms. Hilker referred to graphs in the agenda packet for the 1st quarter FY 15/16. The total Flood Control Zone 3 the expenses were 16% under budget for the quarter. The Routine Operation and Maintenance graph revealed that there was a \$174,000 of savings, mostly in labor due to staff vacancies which are currently in the process of being filled. The second graph, the Non-Routine Operation and Maintenance shows that there was \$107,000 in savings primarily occurred in habitat conservation planning efforts. The third graph represents Capital Outlay, the savings was \$36,000 in savings from the Lopez Water Treatment Plant resurfacing parking lot project. Furthermore, the final billing adjustments from the FY 14/15 along with the FY 15/16 second installment invoices will be mailed out to the Zone 3 agencies. The FY 14/15 ended with a total of \$36,000 credits back to the agencies and it is distributed on actual deliveries based on usage from Lopez and State Water.

VII. Information Items

A. Climate Update – Ms. Montes reported via map slides included in the Agenda Packet, US Drought Monitor. According to Ms. Montes not much has changed, currently still in an exceptional drought. In regards to the temperature, there has been a slight change. In September, there was above average temperatures and November it is the same. Ms. Montes stated that she attended a Winter Weather Conference in Oxnard, CA where the California State Association Conference informed about the El-Nino winter storm track directed towards Southern California. The outlook for rain is higher in the month of January than for the months of February and March.

B. PG&E Diablo Canyon Power Plant Desalination Update

County Public Works Engineer, Jill Ogren, on behalf of John Waddell. Ms. Ogren provided information about the questions to take back to John Waddell. On January 26, 2016 there will be a PG&E Diablo Canyon Power Plant Desalination Update back to the Board of Supervisors. Member Ed Waage commented that the plant desalination project is entirely feasible; however cost and delivery will

be an issue. Chairperson Ogren requested that a presentation be given to the Zone 3 agencies that was similar to that given to the Board of Supervisors.

VIII. Capital Projects Update

A. Bi-Monthly Update - County Public Works Engineer, Jill Ogren updated that the Turnout SCADA project is on its way and that current efforts involve coordination at each of the turnouts and making modifications to outdated equipment. The Power Monitoring project is currently on hold, waiting to see how the equipment works on the Nacimiento Project for testing prior to use. The Water Treatment resurfacing parking lot is scheduled with the County Roads resurfacing project around April or May. For the Water Treatment Intake Repair is still in the planning phase. Member Waage commented on the Variable Frequency Drive Project, is the TAC comfortable with having the pump go until it fails. Ms. Ogren stated that all of the pumps will be replaced when one pump goes down as the current models are outdated and cannot be replaced with the same model and manufacturer. Chairperson Ogren stated that construction of the 6th Rack is on-going as of late November.

IX. Action Items - (No Subsequent Board of Supervisors Action Required)

A. Lopez Water Treatment Plant 6th Rack Budget Transfer - County Public Works Engineer, Jill Ogren indicated that the original budget was \$858,000 and currently needing another \$100,000 in which \$43,000 was needed for sales tax that was not taken into consideration, as well as the delays experienced during the design and storing the equipment for 5 months. The money will come from the Piggings Project if approved. Member Karen Bright commented on the storage of equipment and design that cost to be the added costs. No public comment. Motion approved by Member Waage and seconded by Member Bright. Passed unanimously.

B. Habitat Conservation Plan Update - County Public Works Engineer, Jill Ogren planned to bring a proposed Downstream Release Program to TAC in January then resource agencies such as NOAA for feedback. March or April it is estimated that the consultant ECORP will give a presentation to the Zone 3 Advisory Committee. Doug Bird, County Public Works Staff, updated the committee on the Water Rights permit application for the Lopez Project. The permit expired and the County reapplied. According to Mr. Bird there are options to petition for an extension of time on that particular permit and that will allow the County to proceed with the issues relating to the permit. Member Waage asked Mr. Bird what is the effect to the cities and agriculture users with this permit. Mr. Bird stated that the amount of water being allocated to downstream users would be taken into consideration. Chairperson Ogren

stated the types of information that will be most meaningful for the advisory committee such as the proposed operations with a comparison against historical operations with a line graph, modify the trigger level of the LLRP (looking for an explanation on that), how much surplus water we had historically, how will this affect groundwater recharge, need for a groundwater model. He proposed a list of questions that he would like the consultant to address at the future presentation to the advisory committee.

X. Action Items (Board of Supervisors Action is Subsequently Required)

A. Emergency Water Supply Options Evaluation Letter Update- County Public Works Engineer, Jill Ogren, spoke for Mark Hutchinson on the issue of the Emergency Water Supply Options Evaluation Letter sent by Zone 3 to the District. Ms. Ogren stated that more in depth information on this topic will be provided at the January 21st meeting with the Zone 3 Advisory Committee. Geoff English, Arroyo Grande Director of Public Works, commented on reaching out to Mr. Hutchinson upon the Emergency Water Supply Options for a follow up.

XI. Future Agenda Items –

- A. Contract Renegotiation Discussions** – Chairperson Ogren stated that there has been some discussion at staff level.
- B. Water Wheeling** – Chairperson Ogren stated that Water Wheeling may not be as applicable anymore. Discussion will be brought to the TAC.
- C. Funding Groundwater Modeling** – Chairperson Ogren stated that this will be a future discussion.

XII. Committee Member Comments- Vice-Chair member Wallace commented about Governor Brown’s Executive Order calling for additional drought actions. Governor Brown asked the Water Board to impose more stringent regulations for California’s water supply. Chairperson Ogren also commented on Vice-Chair member Wallace’s last meeting at the Zone 3 Advisory Committee. Vice-Chair member Wallace stated that it was a pleasure serving for 21 years.

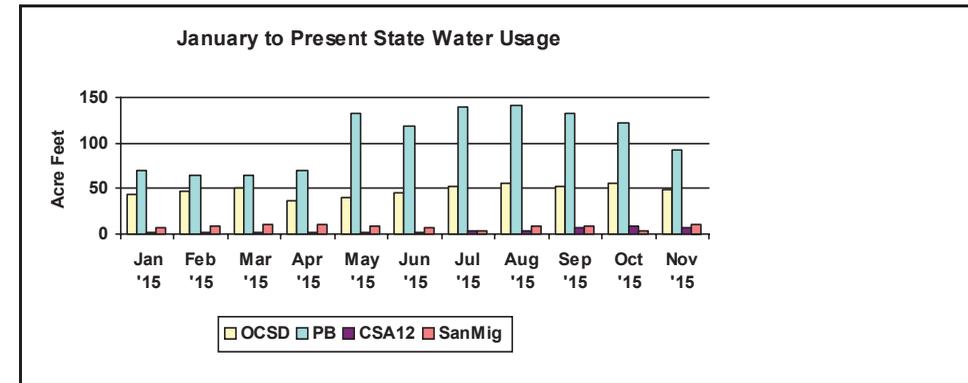
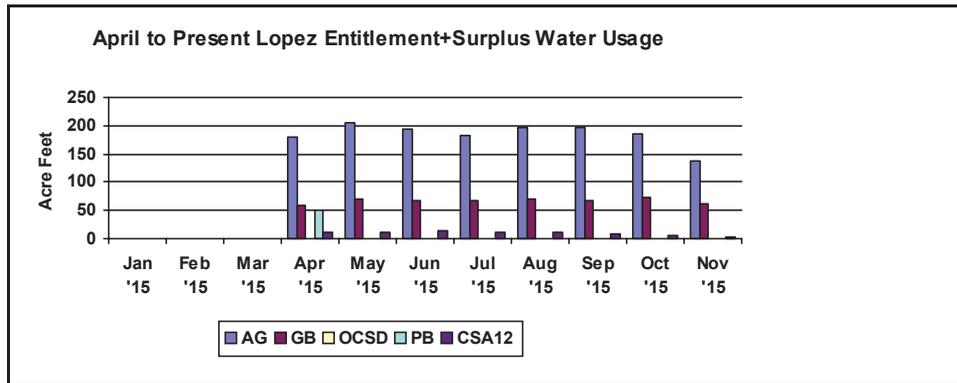
Next Regularly Scheduled Meeting will be held Thursday January 21 at 6:30 pm at the City of Grover Beach. The meeting was adjourned at 7:55 pm.

Respectfully Submitted,

Andrea Montes, County Public Works

San Luis Obispo County Flood Control and Water District Zone 3 - Lopez Project - Monthly Operations Report November, 2015

Contractor	Lopez Water Deliveries												State Water Deliveries						Total Water Deliveries This Month				
	Entl.	Surplus	Total	This Month				April to Present				Annual Request	This Month			January to Present							
				Entitlement		Surplus		Entitlement		Surplus			Usage	% of Annual Request	SWP Deliveries	Change in Storage	Usage	% of Annual Request		SWP Deliveries			
				Usage	%	Usage	%	Usage	%	Usage	%												
Arroyo Grand	2061	881.20	2942.20	136.92	6.6%	0.00	0.0%	1476.33	71.6%	0.00	0.0%	1476.33	50.2%									136.92	
Oceano CSD	272.7	459.00	731.70	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	750	48.53	6.5%							48.53
Grover Beach	720	393.60	1113.60	62.48	8.7%	0.00	0.0%	537.29	74.6%	0.00	0.0%	537.29	48.2%										62.48
Pismo Beach	802.8	504.90	1307.70	0.00	0.0%	0.00	0.0%	50.47	6.3%	0.00	0.0%	50.47	3.9%	900	92.56	10.3%							92.56
CSA 12	220.5	289.10	509.60	4.13	1.9%	0.00	0.0%	78.19	35.5%	0.00	0.0%	78.19	15.3%	57.96	6.53	11.3%							10.66
San Miguelito														130	10.19	7.8%							10.19
Total	4077	2527.80	6604.80	203.53	5.0%	0.00	0.0%	2142.28	52.5%	0.00	0.0%	2142.28	32.4%	1837.96	157.81	8.6%	3	-154.81	1798.33	97.8%	1816.00	361.34	
												Last Month Stored State Water		172.48		This Month Stored State Water			17.67				



Note: Deliveries are in acre feet. One acre foot = 325, 850 gallons or 43, 560 cubic feet. Safe yield is 8,730 acre feet.

"Year to Date" is January to present for State water, April to present for Lopez deliveries, and July to present for rainfall.

Lopez Dam Operations	This Month	Year to Date		
Lake Elevation (full at 522.37 feet)	466.79		Difference (feet)	-55.58
Storage (full at 49200 acre feet)	14178		% Full	28.8%
Rainfall	1.42	2.87		
Downstream Release (4200 acre feet/year)	454.7	3006.82		
Spillage (acre feet)	0	0.00		

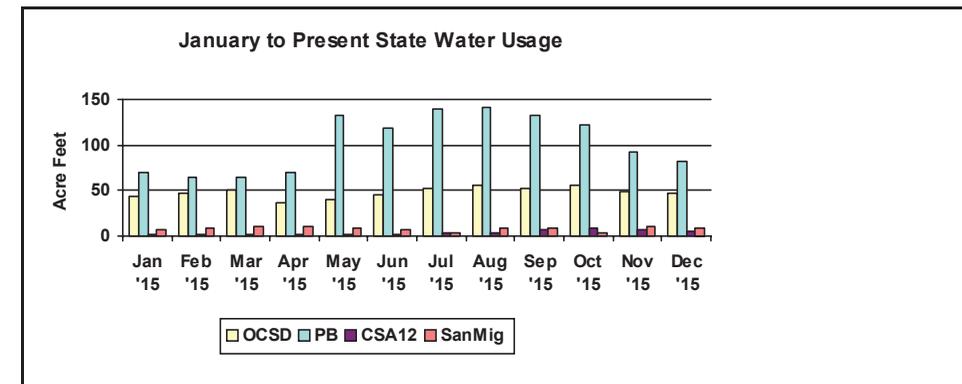
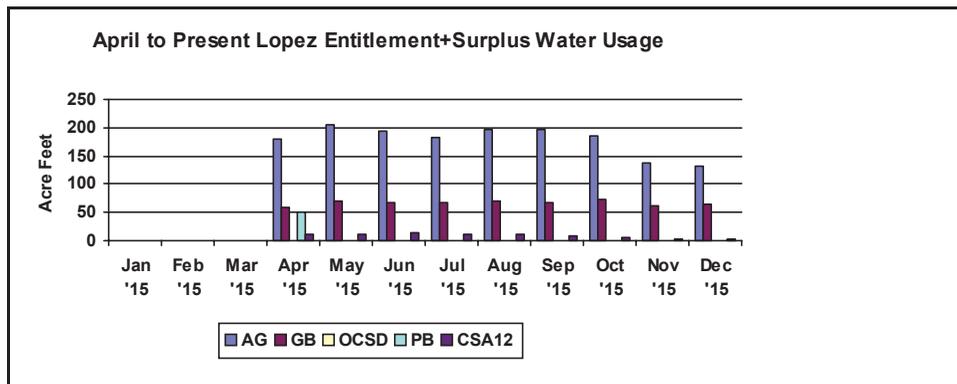
Comments: Reservoir is currently operated under the Low Reservoir Response Plan, therefore Entitlements shown represent a 10% reduction.

Surplus water shown is actually "Carry Over" water as designated in the LRRP.

1) Oceano supplied State Water to Canyon Crest via Arroyo Grande's Edna turn out. A total of 2.28 AF delivered to Canyon Crest was added to Oceano's State Water usage this month and 2.28 AF was subtracted from Arroyo Grande's usage this month.

San Luis Obispo County Flood Control and Water District Zone 3 - Lopez Project - Monthly Operations Report December, 2015

Contractor	Lopez Water Deliveries												State Water Deliveries						Total Water Deliveries This Month					
	Entl.	Surplus	Total	This Month				April to Present				Annual Request	This Month				January to Present							
				Entitlement		Surplus		Entitlement		Surplus			Total		Usage	% of Annual Request	SWP Deliveries	Change in Storage		Usage	% of Annual Request	SWP Deliveries		
				Usage	%	Usage	%	Usage	%	Usage	%		Usage	%										
Arroyo Grand	2061	881.20	2942.20	131.84	6.4%	0.00	0.0%	1608.17	78.0%	0.00	0.0%	1608.17	54.7%										131.84	
Oceano CSD	272.7	459.00	731.70	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	750	46.97	6.3%					571.38	76.2%		46.97
Grover Beach	720	393.60	1113.60	63.69	8.8%	0.00	0.0%	600.98	83.5%	0.00	0.0%	600.98	54.0%										63.69	
Pismo Beach	802.8	504.90	1307.70	0.00	0.0%	0.00	0.0%	50.47	6.3%	0.00	0.0%	50.47	3.9%	1240	82.08	6.6%					1231.73	99.3%		82.08
CSA 12	220.5	289.10	509.60	3.40	1.5%	0.00	0.0%	81.59	37.0%	0.00	0.0%	81.59	16.0%	127	5.52	4.3%					44.40	35.0%		8.92
San Miguelito														130	8.98	6.9%					94.37	72.6%		8.98
Total	4077	2527.80	6604.80	198.93	4.9%	0.00	0.0%	2341.21	57.4%	0.00	0.0%	2341.21	35.4%	2247	143.55	6.4%	138	-5.55			1941.88	86.4%	1954.00	342.48
												Last Month Stored State Water		17.67				This Month Stored State Water		12.12				



Note: Deliveries are in acre feet. One acre foot = 325, 850 gallons or 43, 560 cubic feet. Safe yield is 8,730 acre feet.

"Year to Date" is January to present for State water, April to present for Lopez deliveries, and July to present for rainfall.

Lopez Dam Operations	This Month	Year to Date		
Lake Elevation (full at 522.37 feet)	465.9		Difference (feet)	-56.47
Storage (full at 49200 acre feet)	13847		% Full	28.1%
Rainfall	3.23	6.10		
Downstream Release (4200 acre feet/year)	316.74	3323.56		
Spillage (acre feet)	0	0.00		

Comments: Reservoir is currently operated under the Low Reservoir Response Plan, therefore Entitlements shown represent a 10% reduction.

Surplus water shown is actually "Carry Over" water as designated in the LRRP.

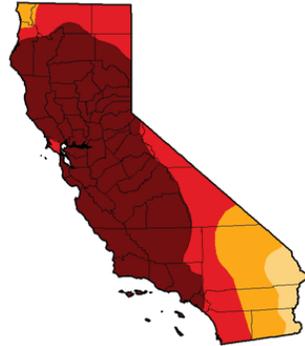
1) Oceano supplied State Water to Canyon Crest via Arroyo Grande's Edna turn out. A total of 1.7 AF delivered to Canyon Crest was added to Oceano's State Water usage this month and 1.7 AF was subtracted from Arroyo Grande's usage this month.

U.S. DROUGHT MONITOR

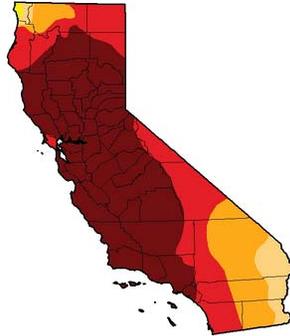
November 2013



September 2014



November 2014



January 2015



February 2015



May 2015



July 2015



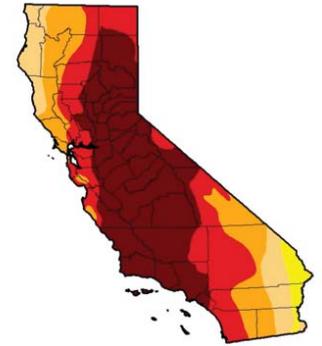
September 2015



November 2015



January 2016



Intensity:

- D0 - Abnormally Dry
- D1 - Moderate Drought
- D2 - Severe Drought

- D3 - Extreme Drought
- D4 - Exceptional Drought

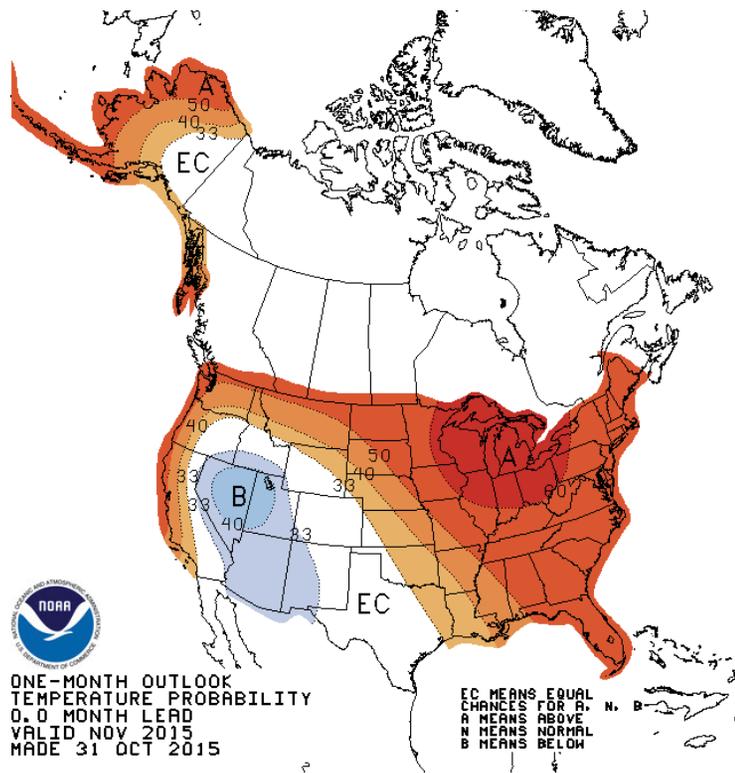
Permission to reproduce the map

If you reproduce the U.S. Drought Monitor map, please use this wording:

The U.S. Drought Monitor is jointly produced by the National Drought Mitigation Center at the University of Nebraska-Lincoln, the United States Department of Agriculture, and the National Oceanic and Atmospheric Administration. Map courtesy of NDMC-UNL.

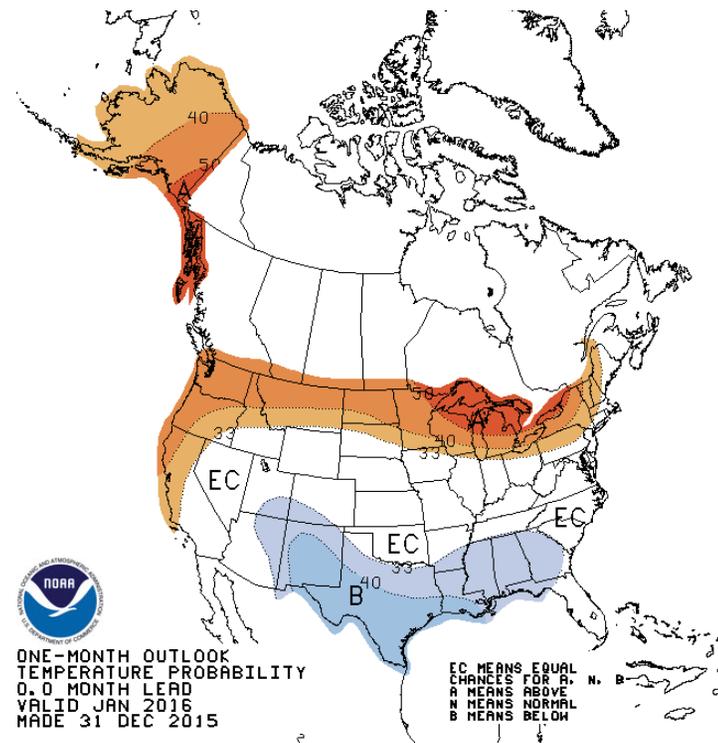
NOAA TEMPERATURE FORECAST

November



November Meeting

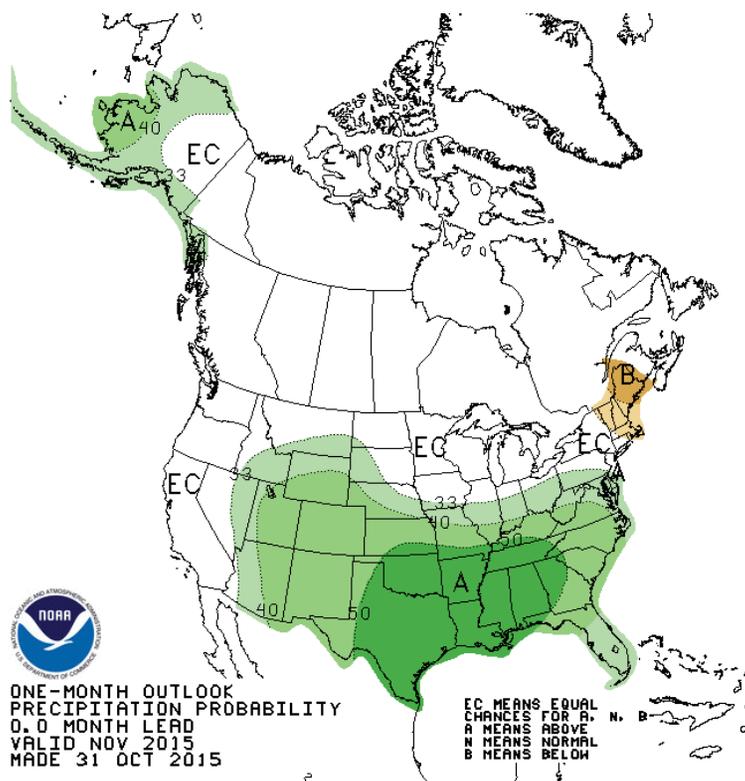
January



January Meeting

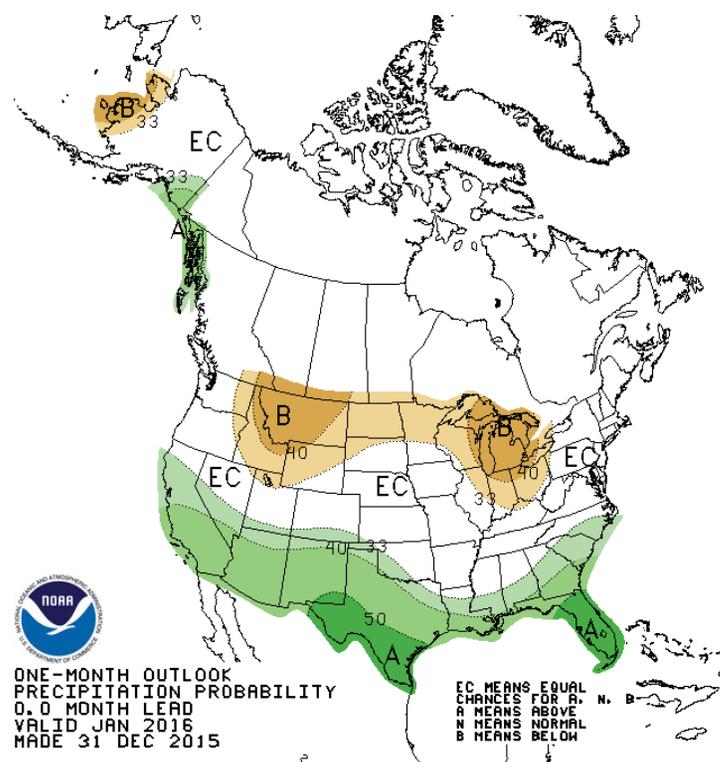
NOAA PRECIPITATION FORECAST

November



Nov. Meeting

January

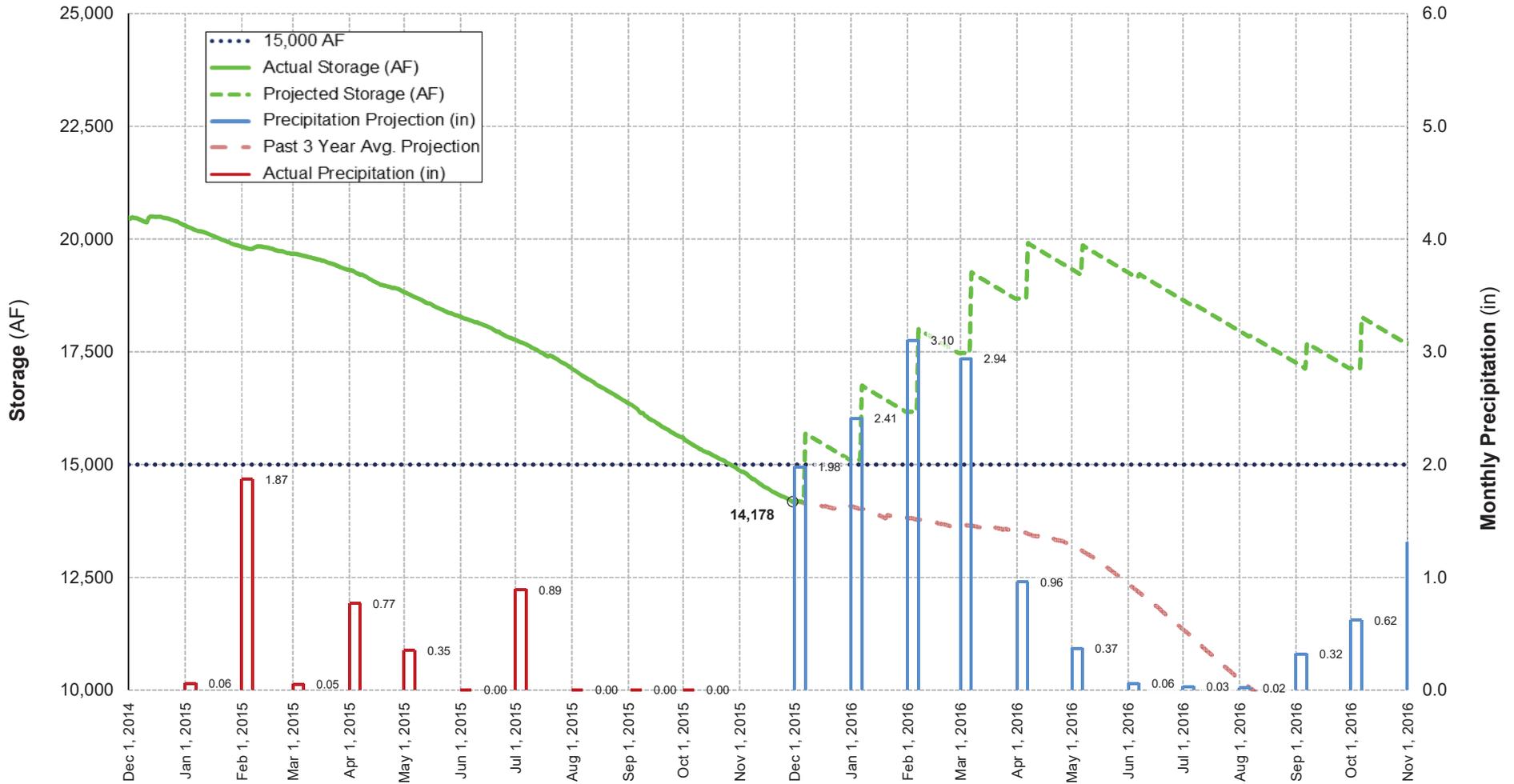


Jan. Meeting

Lopez Reservoir Storage Projections

(precipitation scenario source: www.LongRangeWeather.com)

Revised: 11/30/2015



Notes:

- For "Dry Months" (May - October), projected increases and/or decreases in storage estimated to mimic 2013 conditions.
- For "Wet Months" (November - April), projected storage declines assume annual downstream release of 4,200 AFY and deliveries of 4,530 AFY.
- For "Wet Months", projected storage increases based on historic trends from actual storm data for the period of 12/1993 through 6/2011.
- Storage projection for "Wet Months" assume that unsaturated conditions exist.
- Monthly rainfall projections assumed to occur during the first week of each month.
- Rainfall projection provided by www.LongRangeWeather.com, and updated 10/31/2015.
- Evaporation included in storage projection.
- Past 3 Year Avg. Projection uses historic daily capacity changes averaged from 2012, 2013, 2014



SAN LUIS OBISPO COUNTY
DEPARTMENT OF PUBLIC WORKS

Wade Horton, Director

County Government Center, Room 206 • San Luis Obispo CA 93408 • (805) 781-5252

Fax (805) 781-1229

email address: pwd@co.slo.ca.us



TO: Zone 3 Advisory Committee

FROM: John Waddell, Utilities Project Manager

DATE: January 21, 2016

SUBJECT: PG&E Diablo Canyon Desalination Project Update

The following is a summary of efforts to date on the above project:

- The County is evaluating the feasibility of an emergency project to provide desalinated water from Diablo Canyon Power Plant to the Zone 3 system to address the current drought impacts. The amount of water supply available is expected be from 500 to 1,300 acre-feet per year.
- A presentation and study session on South County Extended Drought Mitigation Measures is planned for the County Board of Supervisors on February 23, 2016. The presentation will include some discussion on the emergency desalination project. Recommendations to the County Board of Supervisors on the Diablo Canyon emergency desalination project is planned for March 2016.
- A letter was sent to each Zone 3 contracting agency requesting their confirmation of interest in this emergency water supply. All of the agencies (Arroyo Grande, Avila Beach CSD, Oceano CSD, and Pismo Beach) responded to confirm their interest.
- The County has been meeting with PG&E and regulatory agencies to determine financial and permitting requirements. County staff met with Coastal Commission staff to provide an overview of the potential project.
- The County is working with Water Systems Consulting and Hollenbeck Consulting to use an existing hydraulic model of the Zone 3 system to evaluate the capacity for delivering this new source.
- County staff are evaluating the hydraulic modeling results, cost estimates, and anticipated permitting requirements in order to develop recommendations for the Board of Supervisors.

File: CF 209.09.01

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SAN LUIS OBISPO COUNTY
DEPARTMENT OF PUBLIC WORKS

Wade Horton, Director

County Government Center, Room 206 • San Luis Obispo CA 93408 • (805) 781-5252

Fax (805) 781-1229

email address: pwd@co.slo.ca.u



MEMORANDUM

TO: Zone 3 Advisory Committee
FROM: Eric Laurie, Project Manager
DATE: January 21, 2016
SUBJECT: Capital Projects Update

Project Updates:

- LWTP 6th Rack Addition
 - Rack installation
 - Cushman Contracting began construction on 11/23/15
 - Rack connection anticipated in early March, 2016
- Turnout SCADA Project
 - Cannon and County operations staff are currently working on the final steps involved in completing the SCADA system
- Repair Projects scheduled but not started for FY15-16
 - Lopez Dam: Repair V-ditch adjacent to spillway
 - Water Treatment Plant Intake Repair (Dept. of Safety of Dams)
 - VFD Project
 - Power Monitoring Equipment
 - PLC Replacement & Programming
- Repair Projects Deferred
 - WTP Parking Lot Re-surfacing deferred until Spring 2017



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Fax (805) 781-1229

email address: pwd@co.slo.ca.us



TO: Zone 3 Advisory Committee

FROM: Katie Drexhage, Environmental Resource Specialist

DATE: January 21, 2016

SUBJECT: Lopez Water Project HCP Status Updates

At your November 19th meeting, District staff stated that the proposed Downstream Release Program would be presented to the TAC in January, and then presented to the resource agencies (i.e., NMFS and USFWS) for feedback. However, after this month's TAC meeting, further information has been requested (i.e., water levels in the creek at different flow rates proposed in the draft Program) as well as further analysis of data, including surplus water. It is estimated that ECORP will present the draft Downstream Release Program in March or May to the Zone 3 Advisory Committee. It is anticipated that a Water Rights Permit discussion will also be included with the presentation about the draft Downstream Release Program.

At your November meeting, the District reported the decision to file a change petition to the existing Permit 12814 to include direct diversion based on feedback from the SWRCB and ECORP. This option will streamline the process, maintain all Lopez Water Project rights in one permit, and provide a more senior direct diversion right as compared to the other option which entailed filing a change petition on the existing Application 30826. This option requires a hydrologic report rather than a Water Availability Analysis. District staff received the draft hydrologic report from ECORP in late 2015. District staff is reviewing the report and will submit staff comments to ECORP by mid-January.

File: CF 206.09.01

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Wade Horton, Director

County Government Center, Room 206 • San Luis Obispo CA 93408 • (805) 781-5252

Fax (805) 781-1229

email address: pwd@co.slo.ca.us



January 21, 2016

MEMORANDUM

TO: Flood Control Zone 3 Advisory Committee

FROM: Mark Hutchinson, Deputy Director of Public Works

SUBJECT: Board of Supervisors Emergency Water Supply Options Study Session

Update

On September 17, 2015 your Advisory Committee sent a letter to the Board of Supervisors (copy attached) requesting a Board Study Session to investigate and evaluate emergency water supply options that could be used to provide south county residents with supplemental water in the event the drought persists.

County Public Works staff have presented your letter to Board members and reviewed the proposal and Board schedule with the County Administrative Office. **Two hours have been allocated for the February 23, 2016 Board of Supervisors Regular Agenda. The meeting will held in the Board of Supervisors Chambers in the New County Government Center at 1055 Monterey Street, San Luis Obispo.**

Working in concert with the Technical Advisory Committee the approach will be to present the emergency options and opportunities in a Study Session format before the Board. Work on the PG&E emergency desalination project development effort has slowed pending information and decisions from PG&E, therefore, we expect only a short update regarding that project on February 23rd. County staff, Technical Advisory Committee members, and NCMA consultants will be working to fully develop the study session materials and presentation.

We will continue to keep your Advisory Committee and individual agencies updated on the progress of this effort as we move forward.



ZONE 3 ADVISORY COMMITTEE

San Luis Obispo County Flood Control and Water Conservation District

September 30, 2015

San Luis Obispo County
Board of Supervisors
County Government Center
San Luis Obispo, CA 93408

Subject: Supplemental Water to Ensure Health and Safety

Dear Supervisors,

For nearly 50 years, Lopez Lake has been an integral component of the south county water resources portfolio and for the first time in its history, deliveries to the Zone 3 agencies have been reduced. Additionally, the Zone 3 agencies' other water supply sources have been severely impacted as well. The Zone 3 Advisory Committee recommends, and believes it is imperative, that the Board of Supervisors holds a study session to investigate and evaluate emergency water supply options that could be used to provide the south county residents with supplemental water to ensure that health and safety needs can be met as the drought persists.

Along with reductions in available Lopez water, groundwater levels are also declining. Since 2009, when evidence of seawater intrusion was detected in the Santa Maria Groundwater Basin, the Zone 3 agencies that rely upon the basin have been forced to limit their pumping to approximately 30% of their groundwater entitlements to protect this critical water supply. Additionally, in 2014 and 2015 State Water Project Allocations have been at unprecedented levels. Therefore, it is imperative that emergency sources of water are identified and secured to ensure that the Zone 3 and other south county agencies can continue to supply safe, reliable drinking water.

We appreciate the County's efforts to continue investigation of potential desalination options for San Luis Obispo County and look forward to additional information about the potential Diablo Desal project. The Zone 3 Technical Advisory and Advisory Committees have also been investigating and evaluating emergency water supply options that could be implemented to assist agencies in the continuing drought. Through this effort, we have developed a preliminary list of potential options and utilized a systematic screening and ranking process to evaluate them. We look forward to sharing and discussing the results of these evaluations with the Board.

The large amount of time and energy devoted to flood control and habitat conservation has also diverted attention away from efforts to improve our preparedness. For well over a decade, the Zone 3 communities have been responding to and evaluating environmental water needs, and funding the preparation of a Habitat Conservation Plan for species dependent on water

from Lopez Reservoir. Extensive work by the County has also covered flood control needs along Arroyo Grande creek, although delays continue with state and federal permitting agencies. These lengthy and resource intensive issues have redirected work efforts and funding from maintaining secure and reliable water supplies for our communities. The emergency is now upon us and we must look closely at our preparedness for continued drought. We have to move expediently to identify emergency supplies and improve overall regional water supply reliability.

Clean and affordable water is needed for families, businesses, and agriculture and the role of counties throughout California is growing as the state legislature establishes new visions for water resources management, and as local communities need leadership and regional collaboration. We understand that local community leaders are responsible to meet the needs of their respective communities. Nevertheless, the County of San Luis Obispo has long promoted collaboration, and as the single agency with the greatest options, we believe that a Board workshop will be important to identify options and to provide staff with direction so that all agencies can coordinate and collaborate while developing solutions and actions. We hope you agree and will work to schedule time on your agenda in the near future.

Sincerely,



PAAVO OGREN
Chair, Zone 3 Advisory Committee

c: Dan Buckshi, County Administrator
Zone 3 Advisory Committee

File: CF 340.120.02 Zone 3 Advisory Committee - Correspondence/Claims

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SAN LUIS OBISPO COUNTY
DEPARTMENT OF PUBLIC WORKS

Wade Horton, Director

County Government Center, Room 206 • San Luis Obispo CA 93408 • (805) 781-5252

Fax (805) 781-1229

email address: pwd@co.slo.ca.us



January 21, 2016

MEMORANDUM

TO: Flood Control Zone 3 Advisory Committee

FROM: Dave Flynn, Deputy Director of Public Works
Mark Hutchinson, Deputy Director of Public Works

SUBJECT: Carpenter Creek Channel Improvements Project

Recommendation

It is recommended that your Committee endorse the Carpenter Creek Channel Improvements Project including funding the project from Flood Control Zone 3 (District) reserves, in the amount of \$ 30,000.

DISCUSSION

Role of the Advisory Committee

The Zone 3 Advisory Committee typically focuses its attention on issues directly related to the Lopez Water Project. However, since the Flood Control and Water Conservation District's work includes both water supply and flood control, the Zone 3 Committee's bylaws extend the Committee's responsibilities to all Flood Control District activities within the boundaries of Zone 3, including Flood Control Projects, as noted in the annotated bylaw excerpt below:

- II. Purpose, Responsibility and Authority*
- 1. The purpose of the Committee is to determine the needs, desires and financially supportive capabilities of the water contractors, residents and property owners in Zone 3, and upon deliberation, to convey these needs, desires and capabilities to the Board of Supervisors and other County officials.*
 - 3. The Committee's authority is that of leadership, advocacy and guidance regarding the needs and desires of water contractors, residents, agriculture and property owners in Zone 3.*

Therefore, while the Carpenter Creek project is not part of the Lopez Water Project, it is within the boundaries of Zone 3 and therefore appropriate for the Advisory Committee to advise the Board of Supervisors.

The Project

Meadow Creek begins in the northerly reaches of the five cities area before it flows parallel with State Route 1 to its terminus at the Oceano lagoon (See attached Watershed Map). Several decades ago, a diversion channel was constructed along the southerly line of the Pismo Beach State Park campgrounds at the northwesterly corner of the City of Grover Beach to provide an alternative course for high flows to reach the ocean and avoid sending high flow volumes into Oceano lagoon. The channel is known locally as Carpenter Creek. However, Carpenter Creek is impeded by a trail crossing through the flow way which restricts flows and the ability for the stream to reach the ocean. The project will replace the trail crossing with a new culvert or bridge structure that will allow more of Meadow Creek flows to flow down Carpenter Creek to the Ocean, rather than southward, parallel to Highway 1, under Grand Avenue, and eventually into the Oceano Lagoon. The intent is divert peak flows to help reduce the potential for flooding in the neighborhoods adjacent to the Lagoon.

Funding

Prior to the passage of Proposition 13 in 1976, Zone 3 collected an additional tax from properties within the Zone. With the passage of Proposition 13 that tax was repealed. Following regulations established by Assembly Bill 8 at that time, a portion of the 1% property tax established by Proposition 13 was apportioned to the Flood Control District. Because Zone 3 had its pre-existing property tax, a portion of the Flood Control District's new funding was segregated into a Zone account, even though the funds are not legally restricted to use within Zone 3. This account has been referred to as "District Funded Reserves" so as not to confuse it with the "Contractor Funded Reserves", which are a component of the Lopez Project budget.

In 2000, when the Zone 3 Water Contracts were amended to fund the seismic remediation project, this funding source was allocated (contractually restricted) to the Lopez Project specifically to assist with debt service, on an annual basis. Therefore, no new funds have been directed to District Funded Reserves from the 1% property tax since the year 2000. At the same time, funds existing in 2000 have remained in a segregated account and used to fund various Zone 3 work for the Lopez Project. One ongoing obligation are habitat Conservation Plan costs that exceed the Lopez Water Project annual billings for that effort. Zone 3 District Funded Reserves are projected to contain approximately \$2.8 million at fiscal yearend (June 30, 2016) after the expenditure for this project.

Establishing funding at \$30,000 from Zone 3 District Funded Reserves for the project will allow staff to pursue the design of an alternative trail crossing design so that higher flows into the channel can be achieved. In addition to the design, the funds would be used to secure environmental approvals and ultimately to construct the improvements using County forces. The development of this channel will provide some relief to chronic flooding issues at the Oceano lagoon. The channel is physically located on State Parks property who have been involved in the discussions on potential improvements.

The attached exhibit shows the existing trail impediment and the intended improvement within this portion of the channel.

Intended Results

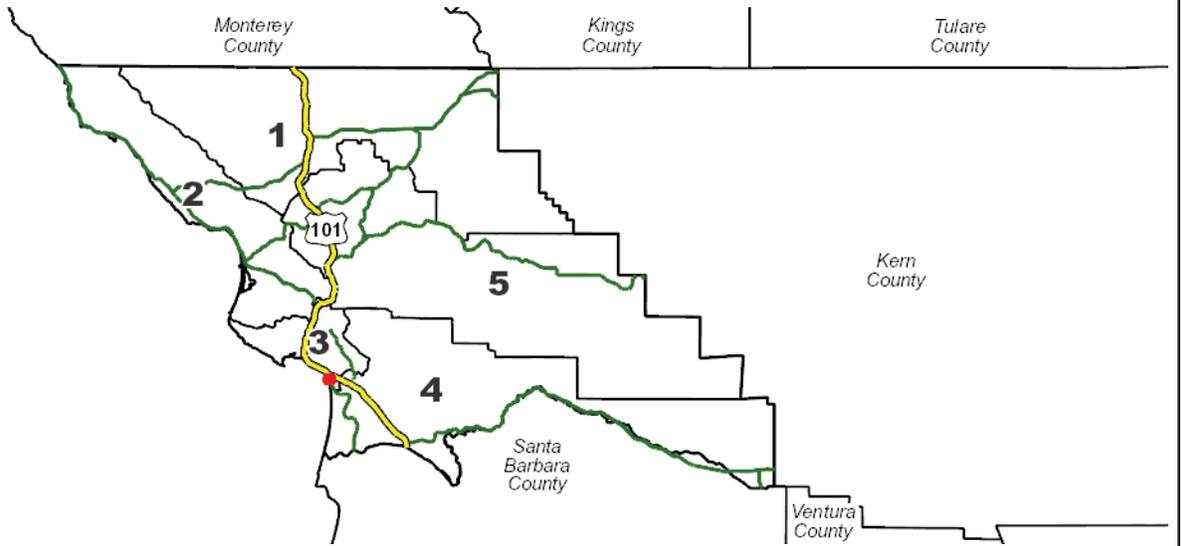
The specific improvement would provide a relatively low cost investment to provide relief for an area wide Zone 3 drainage improvement which would enhance safety and livability of the community.

Other Considerations

The Zone 3 Advisory Committee's responsibilities with respect to the Flood Control District's work in Zone 3, but separate from the Lopez Project, rarely come before the Committee, likely because the most pressing flood control issue is within the purview of Zone 1. Never-the-less, your Committee may wish to agendize an item to gain more understanding of this aspect of the Committee's responsibilities, the associated activities of the Flood Control District, and any issues that may exist relative to the topic.

ATTACHMENTS

Vicinity Map
Watershed Map
Site Photo / Conceptual Design



VICINITY MAP

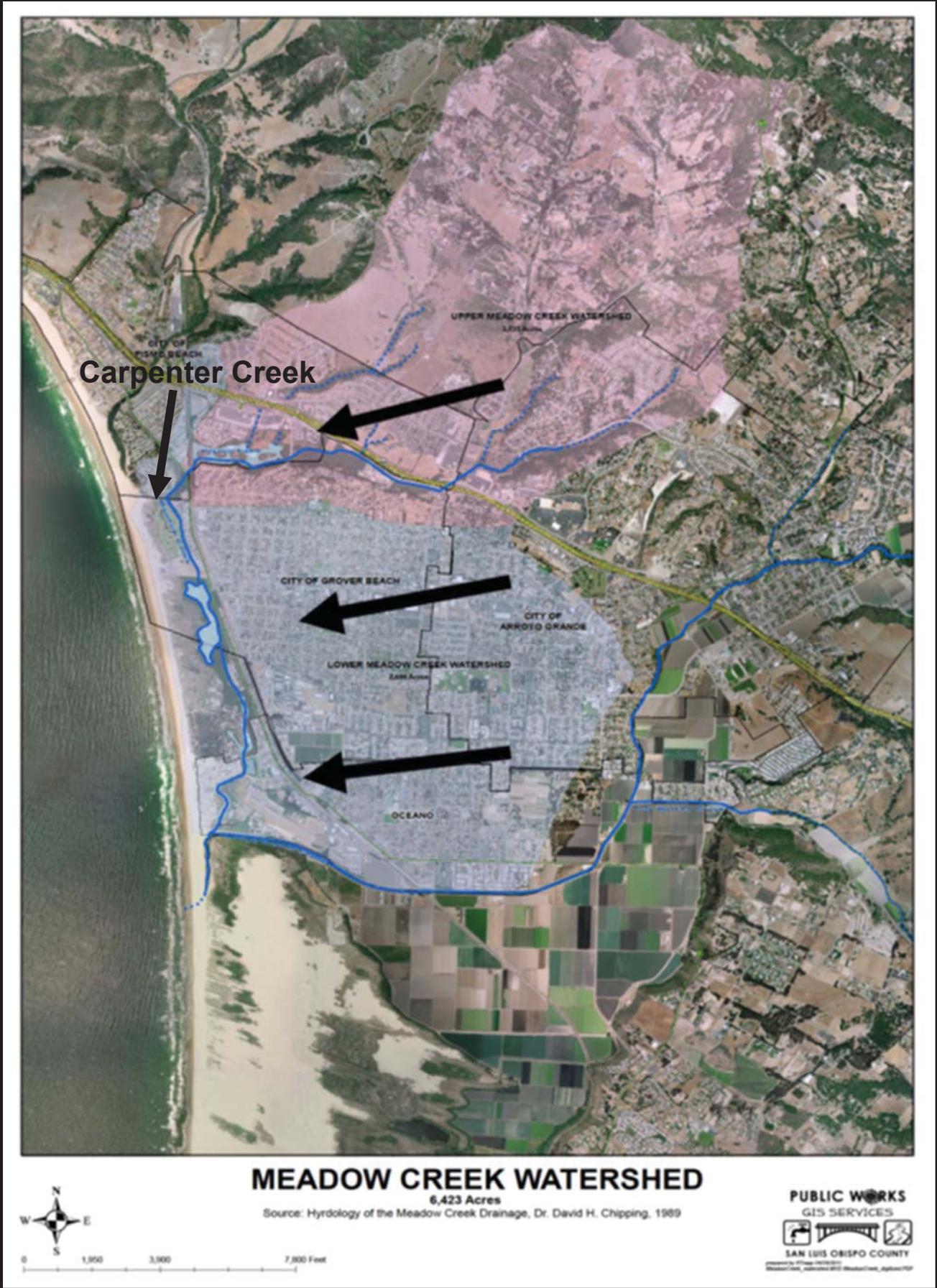
Meadow Creek Diversion Channel Improvement

COUNTY OF SAN LUIS OBISPO PUBLIC WORKS & TRANSPORTATION DEPARTMENT



Created by: Matt Reinhart
Printed: 12/16/2015

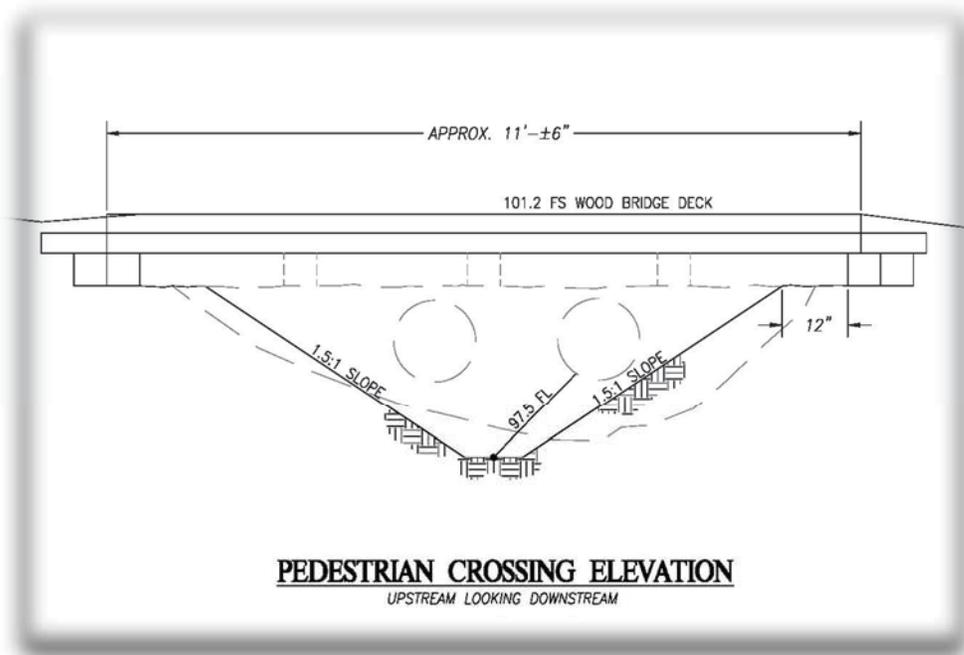




Meadow Creek Diversion Channel Improvement



EXISTING PED CROSSING ELEVATION



PROPOSED PED CROSSING ELEVATION