

**RECLAMATION DISTRICT NO. 828
WEBER TRACT
BOARD OF TRUSTEES MEETING
THURSDAY, JANUARY 28, 2016
8:30 AM
ENGINEER'S REPORT**

I. AB 360 DELTA LEVEE SUBVENTIONS PROGRAM

- a. Review status of project to control waterside levee slope vegetation along levee along Shimizu Dr. for a 4,100 foot section extending between I-5 to the west and Buena Vista to the east. This Vegetation Control Project will be conducted in accordance with the District's 1996 Routine Maintenance Agreement with the Department of Fish & Wildlife (Game) which allows for controlling vegetation on the waterside levee slope. This control will include cutting and trimming vegetative growth such as weeds, brush, berry vines, and trees to the extent necessary to inspect and maintain the levee. It is expected the vegetation control project within this section will be completed in two phases. The 1st phase will include the trimming of trees utilizing a labor crew and wood chipper type machinery. This 1st phase will be approximately \$25,000 (see attached scope).

The 2nd phase, not yet authorized, will include the removal of weeds, brush and berry vines by use of mower attachment to the end of an excavator boom with a selected contractor providing Shimizu Dr. traffic and pedestrian control. This 2nd phase will be approximately \$25,000

EXHIBIT A: Scope of requested Services for Phase 1 Vegetation Control Project

- b. Report on progress of repairs to levee beneath I-5 associated with damage from homeless encampment.
- c. Report on status of authority from the City of Stockton Parks Department to trap beavers at Louis Park / Pixie Woods area.
- d. Report on responses from landowners regarding inspection letters that were mailed to 29 property owners. Notice to landowners was limited to areas east of Buena Vista to Pershing Avenue.

EXHIBIT B: Public Outreach Inspection email memo from KSN Inc.

II. SJAFCA SMITH CANAL GATE STRUCTURE PROJECT

- a. Update on Smith Canal gate closure project.

III. WEATHER PATTERNS PREDICTED FOR BALANCE OF THE YEAR AND EARLY 2016

- a. Review information presented at SJCo Water Advisory Commission Meeting by Mike Cockrell, SJCo OES Director.

EXHIBIT C: Weather related exhibits presented by Mike Cockrell

IV. DWR EMERGENCY RESPONSE GRANT AWARDED TO SAN JOAQUIN COUNTY

- a. Review RD 828's Flood Contingency Map and Emergency Operation Plan submitted to SJ County. Presentation of map and plan by KSN staff.

A

Appendix D

2015 Vegetation Maintenance Contract

Reclamation District No. 828 – Weber Tract

Scope of Work

All work to be completed between Interstate 5 to the west and San Juan to the east, water side.

1. Remove saplings less than 2" diameter with the exception of the willows and respective root system, including disposal.
2. Trim up limbs to 4'-0" on all trees, remove trimmings and dispose.
3. Remove and dispose of accumulation of trash and existing brush piles.
4. Chop and remove limited amounts of scrub shrub necessary for the trimming of trees, leaving root system.
5. Chop Arundo and remove any heavy accumulations of debris left over from the chopping process.
6. Chop Pampas Grass and remove any heavy accumulations of debris left over from the chopping process.

Specific areas targeted for removal of Arundo and Pampas Grass is as follows:

Item	Station	Coordinates	Area
Pampas Grass	49+75	37.961903 -121.330589	10' X 10'
Arundo	45+50	37.962170 -121.329056	40' X 20'
Pampas Grass	40+00	37.962715 -121.327278	10' X 10'
Arundo	29+00	37.963474 -121.323761	80' X 20'
Arundo	30+75	37.963371 -121.324203	60' X 20'

B

Chris Neudeck

From: Dave C. Carr
Sent: Monday, January 25, 2016 4:51 PM
To: Chris Neudeck
Subject: FW: RD 828 - Weber Tract - P:1204

Chris,

Summary Below:

Public Outreach Inspection

We launched a Public Outreach Project for 29 property owners east of San Juan Avenue whereas a form letter was sent to those 29 residences. We have received 11 back via the self-addressed stamped envelopes accompanying the letters.

Of the 11 returned letters, 6 will need inspection. KSN is currently engaging the 6 property owners by setting up visits to respective properties to complete an inspection and provide reports.

Reports will be used to determine in immediate work is needed to correct a problem.

Dave



Dave C. Carr
Construction Manager

711 N. Pershing Avenue Stockton CA 95203
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dcarr@ksninc.com | <http://www.ksninc.com>

Warning:

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From: Dave C. Carr
Sent: Thursday, January 21, 2016 4:35 PM
To: Aaron Lickingteller
Cc: Chris Neudeck
Subject: RD 828 - Weber Tract - P:1204

Aaron,

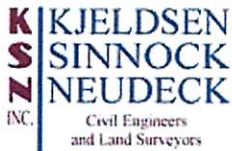
We did a project for RD 828 whereas we sent out form letters to 29 home owners whose property and yards are on the levee which makes inspection difficult to see if not in a boat. Of those 29 have received 10 of them back. Of those ten you need to follow up with 6 property owners.

I have the returned letters here in my office, make arrangements next week to see me and get those and when you have time make contact with property owners and be prepared to make a report of each property, the condition, owners concerns, etc. with lots of photos. That report will be used to determine if a project comes out of it or if immediate work is needed to correct a problem.

The root file for this project is located here: <P:\1204 RD 828-Weber Tract\9015 Levee Maintenance 2015\08 Public Outreach>

Thanks,

Dave



Dave C. Carr
Construction Manager

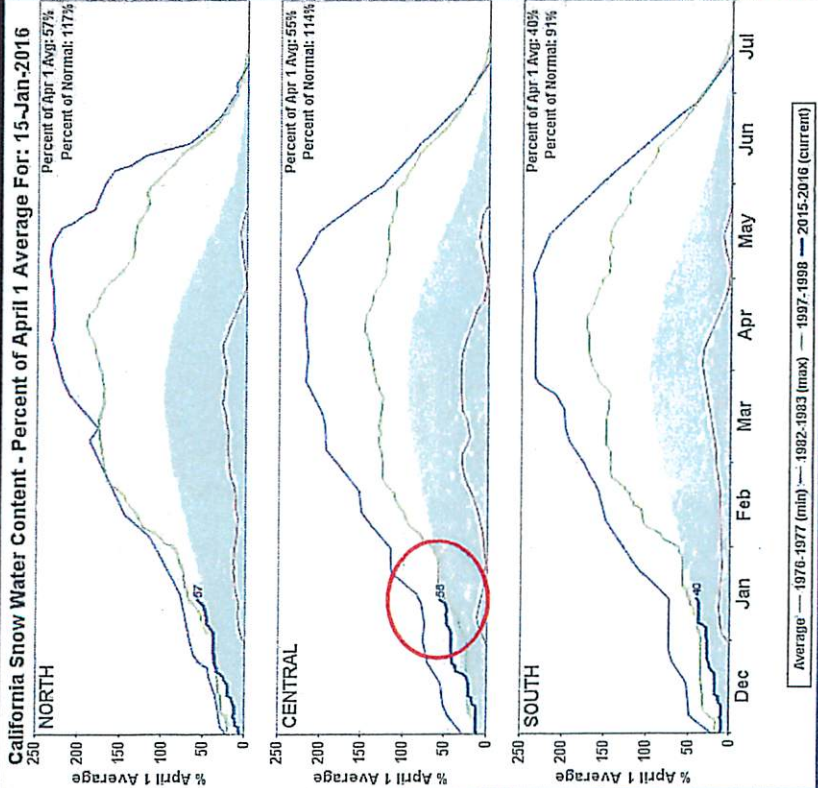
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Warning:

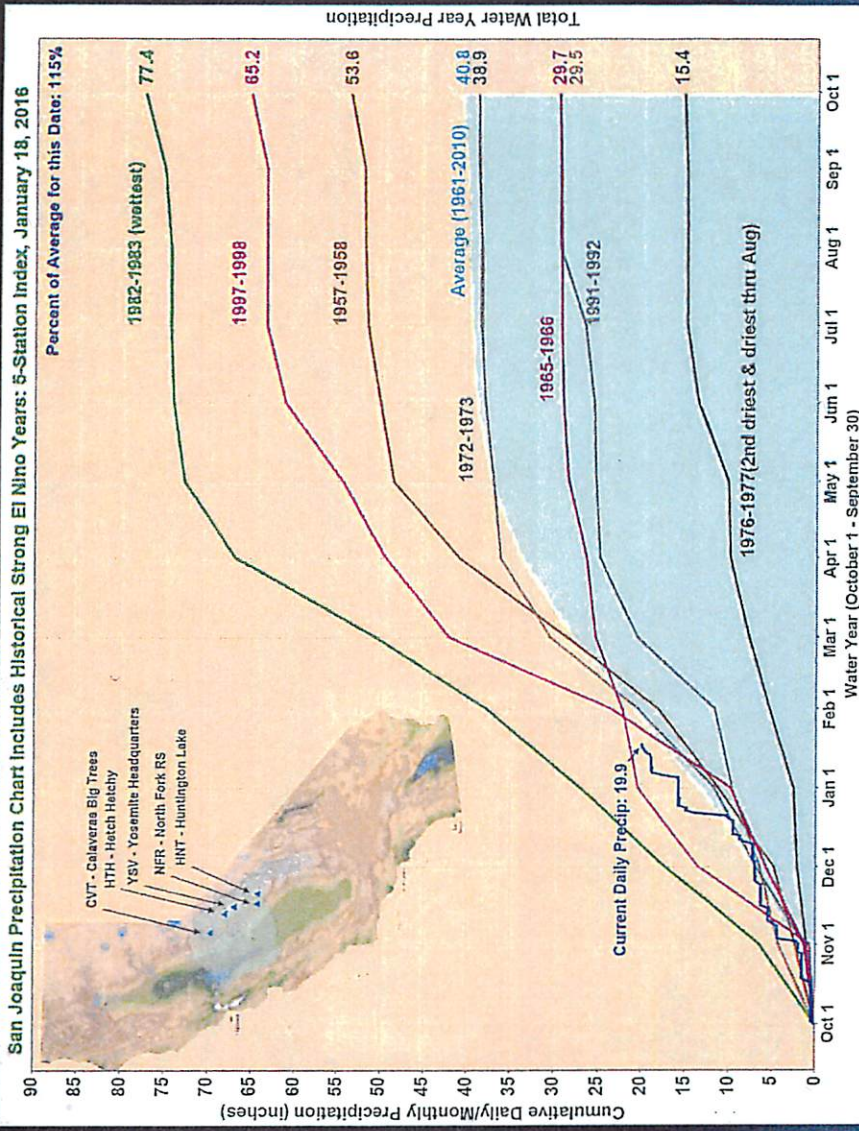
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C

California Snow Water Content — 114%



5 Station Precip. Index— 115% @ 19.9” (40.8 avg.) Stockton at 104% of average



Status of ENSO!

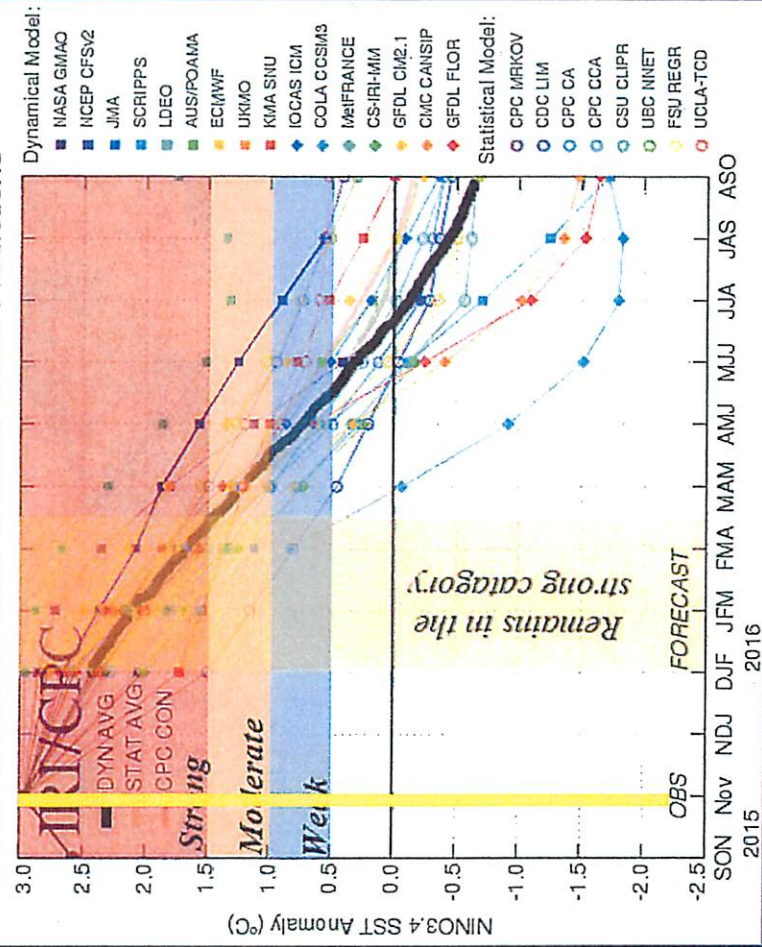
(El Niño-Southern Oscillation)

- To be classified as a full-fledged El Niño or La Niña episode, thresholds must be exceeded for a period of at least 3 consecutive overlapping 3-month seasons
- El Niño 3 month SST's have peaked (Oct-Nov-Dec SST was 2.3)
- Most models indicate strong El Niño will weaken with transition to ENSO-neutral during late spring - early summer
- El Niño has already produced significant global impacts and is expected to affect temperature and precipitation patterns across the United States during the upcoming months

Year	DJF	JFM	FMA	MAM	AMJ	MJJ	JJA	JAS	ASO	SON	OND	NDJ
1997	-0.5	-0.4	-0.2	0.1	0.6	1.0	1.4	1.7	2.0	2.2	2.3	2.3
1998	2.1	1.8	1.4	1.0	0.5	-0.1	-0.7	-1.0	-1.2	-1.2	-1.3	-1.4
2015	0.5	0.4	0.5	0.7	0.9	1.0	1.2	1.5	1.8	2.0	2.3	2.3
1982	0	0.1	0.2	0.5	0.6	0.7	0.8	1.0	1.5	1.9	2.1	2.1
1983	2.1	1.8	1.5	1.2	1.0	0.7	0.3	0	-0.3	-0.6	-0.8	-0.8

1982-83 had 3-Qtrs of 2.0+
 1997-98 had 5-Qtrs of 2.0+
 2015-16 is at 3-Qtrs of 2.0+

Peaked! 2.3 Oct-Dec. Now on downward trend 24-models
 Mid-Dec 2015 Plume of Model ENSO Predictions



California Drought Year 4

Current Conditions:
Central Sierra Precipitation
(The source of San Joaquin County's surface water)



72.08"
Missing rain since
beginning of Drought



Each Full Bucket = 1 Normal Water Year of Rain...**40.8"** of rain

72.08" of missing precip. 2012-2015

40.8" for average for 2016

113.25" needed by 01-Oct-16 to catch up

We are 14% of that needed amount

20-Jan-16

NWS
Sacramento



The CA Precipitation Situation: 5 Station Index

How full is our 5 gallon bucket now? (As of January 1, 2016)



Every Water Year (Oct 1-Sept 30), the 5 Station Central Sierra Index averages 40.8" of water and is a good indicator of water supply in San Joaquin valley.

Note: NorCal's "Wet Season" is Oct - April

Map showing the 5 Stations and area it impacts



5 Gallon Bucket: represents the 40.8" we need this coming year plus the deficits from the past 4 water years 72.45" (113.25" total)

Red Arrow: What we need in the next year to reach normal precipitation in 2015-2016 WY AND make up the deficits since 2011-2012 WY

Blue shading: Where we are now ~14% full (15.8")

Advisory Water Commission

Reclamation District 828 Emergency Operations Plan Project Overview

- ❖ The District’s newly developed Emergency Operations Plan is compliant with California Water Code Section 9650 (AB156), Federal (NIMS) and State (SEMS) planning concepts and the San Joaquin County OES compliance checklist.
- ❖ KSN, Inc. worked to divide a "flood response" into two distinct components: "flood fight" (Annex A-Flood Contingency Map) and "more traditional public safety functions" e.g. Warning, evacuation, recovery etc. (Basic Plan).
- ❖ This new plan has a more standardized emergency planning format such as: an Introduction, Situation Overview, Public Warning and Evacuation, Command and Control, Coordination with multiple government levels, Recovery, Plan Maintenance and Administration and Training Protocols.

EMERGENCY OPERATIONS PLAN

FLOOD CONTINGENCY MAP

A flood response in California is complex and the prime importance of this plan focus on the "jurisdictional responsibility" of the Levee Maintaining Agency (LMA).

The Flood Contingency Map (FCM) is a mapping format in Geographic Information System (GIS) format to visually display key District flood fight information and procedures.

There are two distinct components of flood response: flood fight operations and general public safety operations. The interaction between both, are well documented in this plan.

The digitized electronic map format can be shared across distances with other involved agencies and officials such as DWR or the USACE.

It is important to note that this is an LMA plan, NOT a county, state or federal plan. All disasters are local in California, which puts the LMA with the overall responsibility to prepare, respond to and recovery from a flood (levee) emergency.

The use of maps to display key procedures and information has been shown to make critical data more easily and accurately accessible in an emergency situation, particularly with public safety field responders in the fast paced, field environment.

This plan highlights the District’s "triggers" for activation in a flood response. Those triggers call for certain response actions such as levee patrols, the appointment of the District Incident Commander, when to coordinate with other governmental jurisdictions and state/federal disaster assistance.

Contents on the FCM are in 'text boxes on the map. Key text boxes are things like jurisdictional flood fight history, Special flood fight considerations, a communications plan, the levee patrol plan and the incident command organizations.

Who has the authority of the District to speak on behalf of the Board of Trustees, the authority to make emergency purchase or execute emergency contracts with vendors to perform emergency work and what those policies and procedures are internally are all documented in the Basic Plan. This will assist the District with state and or federal reimbursement if available in the Recovery effort.

Additional items noted by a "symbol" are seepage sites, breach history; pump stations, erosion sites, levee access points, gauge locations and structures. There are also District topography contents, 100-yr elevations, incident command post; supply staging and flood fight resources locations highlighted on the District FCM.

**RECLAMATION DISTRICT 828
BILLS TO BE PAID
January 2016**

NAME	INVOICE #	AMOUNT	TOTAL \$	WARRANT #	SUB FUND	5 YR PLAN
Kjeldsen, Sinnock, & Neudeck, Inc.	17999	\$1,132.50				
	18000	\$603.75			x	
	18001	\$5,040.13				
	18002	\$7,544.08				
	18003	\$1,877.50				
	18133	\$365.00			x	
	18134	\$416.50				
	18135	\$981.25				
	18308	\$20.00				
	18309	\$638.75			x	
	18310	\$2,116.55				
	18311	\$368.09				
	18312	\$1,512.50				
			\$22,616.60			
D.A. Archer Excavation, Inc.	15-76	\$3,197.36				
			\$3,197.36			
Neumiller & Beardslee	273101	\$3,916.56				
	273633	\$4,535.39				
	274427	\$460.00				
			\$8,911.95			
Election Staff - 11/10/2015	Jean Knight	\$160.00				
	Rhonda Olmo	\$160.00				
	Kellie Maghoney	\$160.00				
			\$480.00			
Schwartz Fiannini Lanstberger & Adamson	45202	\$3,100.00				
			\$3,100.00			
Judith Buethe Communications	4968	\$136.00				
	5004	\$34.00				
			\$170.00			
Trustee Stipends - 1/28/2016	Bill Mendelson	\$50.00				
	Bob Merdinger	\$50.00				
	Deborah Provost	\$50.00				
			\$150.00			

TOTAL: \$38,625.91

NOTES:

Anticipated Fund Balance :	\$547,655.61	5 Year Plan Balance:
Less Submitted Bills for Payment:	<u>\$38,625.91</u>	
Total:	\$509,029.70	

notes

*as of December 2015 reports

BILLS PAID October 2015

NAME	INVOICE #	AMOUNT	TOTAL \$	WARRANT #	SUB FUND	5 YR PLAN
Kjeldsen, Sinnock, & Neudeck, Inc.	17660	\$46.36				
	17661	\$1,384.65			x	
	17662	\$2,721.30				
	17663	\$947.50				
	17847	\$265.00				
	17848	\$145.00			x	
	17849	\$3,058.28				
	17850	\$1,025.00				
	17851	\$435.74				
			\$10,028.83	1216		
Neumiller & Beardslee	272409	\$4,697.88				
			\$4,697.88	1217		
Dohrmann Insurance Agency	14208	\$500.00				
			\$500.00	1211		
Trustee Stipends - 10/22/2015	Bill Mendelson	\$50.00		1218		
	Bob Merdinger	\$50.00		1219		
	Paul Marsh	\$50.00		1220		
			\$150.00			

TOTAL: \$15,376.71

*Paid 9/25/15 - ratified

Bus homeless camps
and towns