

## AV IRWMP Second Stakeholder Meeting

Wednesday, June 20, 2012

Minutes taken by: Grizelda Soto

The second Antelope Valley Integrated Regional Water Management Plan (IRWMP) 2007 Update Stakeholder meeting was held on June 20, 2012, at Edwards Air Force Base. Attendees are listed in the attached sign-in sheet.

### 1. Welcome and Introductions

- a. The meeting was opened by Dave Rydman (WWD), led by Brian Dietrick (RMC) and Bruce Phillips (PACE), and called to order at 9:40am.
- b. Handouts of the meeting agenda and PowerPoint presentation were distributed. An electronic copy of the presentation is attached.

### 2. Meeting Objectives

- a. Brian explained the meeting objectives. These included: IRWMP Update on DAC outreach and Integrated Flood Management, Status updates from the A-Team members, Water Conservation Update, and next steps on the AV IRWMP process.

### 3. Update on DAC Outreach

- a. Brian provided the DAC definition and described the benefits of DAC outreach with respect to the IRWM process.
- b. Discussed DAC areas not within the AV IRWMP Boundary:
  - i. DAC areas that are nearby but outside the AV IRWM Region include Tehachapi (Kern Region), Pinion Hills (Mojave), and Adelanto (Mojave)
  - ii. Portions of California City are within the AV IRWMP Boundary; however, California City has decided to form their own Fremont Valley IRWMP Region.
    1. California City has been approached multiple times as a potential stakeholder in the Antelope Valley region, but to date they have declined.
    2. Fremont Valley is listed as an IRWM Region on the DWR website.
    3. Vicki Medina (AV Board of Trade) will approach her California City contact(s) to extend another offer to join the AV IRWMP effort.
- c. Brian provided a summary of the items discussed during the first DAC Committee Meeting and a summary of work performed by RMC since that time.
- d. Various DAC stakeholders have been contacted to obtain data and solicit active participation in the IRWMP Process. Stakeholders contacted were:
  - i. Boron CSD

- ii. North Edwards Water District
- iii. Desert Lake CSD
- iv. Edgemont Acres MWC
- v. Mojave Public Utilities District
- vi. Lake Los Angeles
- vii. California City
- viii. Kern County Planning Dept.
- ix. Los Angeles County

4. Update on Integrated Flood Management

- a. Bruce (PACE) provided a summary of the items discussed during the first integrated flood management committee meeting on June 6<sup>th</sup>.
  - i. Overview of the holistic approach for the AV IRWMP
  - ii. Overview of the various types of flooding scenarios that occur in the AV
- b. Bruce explained flood-related maps that have been developed for the AV IRWMP region: conceptual map, FEMA Map (overlaid with land use), and the City of Lancaster local flood problem map
- c. Brian described the Existing Flood Document Matrix:
  - i. Over 25 documents currently listed
  - ii. Habitat information/data (GIS shape files) still needed to overlay on the various flood zones in the AV IRWMP Region
  - iii. Wendy Reed (AV Conservancy) will send RMC and PACE habitat data (GIS Shapefiles) she has available
- d. Developing the Integrated Flood Management Plan (IFMP):
  - i. Stakeholders want the IFMP to provide guidelines for IRWM project selection.
  - ii. Stakeholders also want a document that can be used to guide development in the alluvial and floodplain areas of the AV.
  - iii. The IFMP will build upon the AV Comprehensive Plan of Flood Control and Water Conservation (1987).

5. Status Updates from A-Team

- a. Prop. 84 Implementation Grant for WSSP2 Banking Project
  - i. Dave Rizzo (AVEK) gave a summary of the project
  - ii. First pilot hole and well have already been drilled
  - iii. Second pilot hole had high arsenic concentration and was abandoned
  - iv. Third pilot hole has been drilled but no testing has yet been done
  - v. Ultimately, seven recovery wells are planned
  - vi. AVEK agreement with DWR to be finalized soon
- b. Dave also mentioned that SNIP pipeline construction went out for bid
- c. LACSD Wastewater Plant Upgrades

- i. Rick Caulkins (LASCD) gave a summary of the plant upgrades
- ii. District 20 – tertiary plant has been fully operational since late 2011
- iii. District 14 – tertiary plant is currently not in operation; testing will commence soon (could be online by August 2012)
  - 1. LASCD is proposing a service charge rate increase
  - 2. As a public outreach effort, tours of the new facilities will be held on Saturday, July 14<sup>th</sup> (sign up available at LACSD.org).
- d. S/N Management Plan
  - i. Jessica Bunker (LACWW) gave a summary of the S/N Management Plan progress.
  - ii. Work continues on developing the monitoring plan
    - 1. cities and agencies were contacted to provide their monitoring well identification name/number and water quality data
    - 2. only 3 of the 8 agencies contacted have provided information
    - 3. follow-up on the remaining five agencies will continue
  - iii. Drafting of the S/N Management Plan document has begun
- e. Prop. 1e Grant for Upper Amargosa Creek Project
  - i. Dave Rydman (LACWW) gave a summary of the Prop 1E status as Gordon Phair (City of Palmdale) was sick and could not make the meeting.
  - ii. RFQ was released for the design portion of the project and seven consulting firms have submitted proposals
  - iii. Multiple local agencies have committed funds for this project in addition to the Prop. 1e grant funds (Palmdale, PWD, AVEK, WWD)
- f. USGS Groundwater Modeling Effort
  - i. Dave Rydman (LACWW) gave a summary of the USGS groundwater modeling effort.
  - ii. The scientific investigation has been completed and will be in the QA/QC review process for the next year; available to public after that time.
  - iii. A conference paper/poster is available for review.
- g. Water Conservation Efforts
  - i. Dave Rydman (LACWW) gave a summary of water conservation efforts.
  - ii. The Discovery Science Center will be developing a water conservation educational outreach program just for the Antelope Valley for students. This program will be presented at 10 schools in the Antelope Valley.

6. Antelope Valley Board of Trade – Sponsorship

- a. Rick Caulkins (LASCD) and Vicki Medina (AV Board of Trade) asked the stakeholder group if the AVSWCA would be interested in sponsoring the AV Board of Trade. The cost to sponsor would be \$200.

- b. Sponsorship of the AV Board of Trade annual meeting would be a great outreach opportunity to for the AV IRWMP effort. In addition, all sponsors are given 15 minutes for a presentation.
  - i. It was suggested RMC could also sponsor the AV Board of Trade on behalf of the AV IRWMP.
  - ii. Wendy Reed (AV Conservancy) volunteered the AV Conservancy to provide \$200 to sponsor the AV Board of Trade on behalf of the AV IRWMP effort.

7. Climate Change

- a. Brian gave a quick update on Climate Change
  - i. How climate change will fit into the IRWMP – two paths currently being followed in the climate change analysis:
    - 1. Adaptation analysis to identify areas where the Region may be vulnerable to climate change effects.
    - 2. Climate change mitigation analysis focused on greenhouse gas emission reduction (i.e., smaller carbon footprint).
  - b. Due to limited amount of time, the topic of climate change will be discussed in more detail at the next stakeholder meeting.

8. Next Steps

- a. The next Stakeholder meeting will next address the AV IRWMP Goals and Objectives:
  - i. Review 2007 AV IRWM Plan and identify any changes to the previous goals and objectives
  - ii. Consideration of climate change
  - iii. Consideration of integrated flood management
  - iv. Incorporate S/N Management Plan
- b. Upcoming meetings:
  - i. Early July – Flood Committee Meeting (Location TBA)
  - ii. July 24<sup>th</sup> – AV Board of Trade (JP Eiopulous Hellenic Center)
  - iii. August 15<sup>th</sup> – Stakeholder Committee Meeting (Location TBA)

9. Meeting was adjourned at 11:45 am.

10. An optional bus tour of Rosamond Lake and Piute Ponds was organized by Amy Frost (EAFB) for the AV IRWMP Stakeholder group (1:15 pm-4:00pm)

- a. Wanda Deal (EAFB) and Mark Hagan (EAFB) led the Piute Ponds and Rosamond Dry Lake tour.
  - i. First stop was of the ephemeral washes on shuttle road (1:30pm)
  - ii. Second stop was at the northern portion of Piute Ponds (2:00pm)

iii. Final stop was on the Rosamond Dry Lake Bed (3:30 pm)

**ACTION ITEMS:**

1. Wendy Reed (AV Conservancy) to provide habitat data to RMC and PACE
2. RMC to arrange meeting locations for Flood Committee and Stakeholder meetings
3. RMC to prepare presentation for AV Board of Trade luncheon, July 24<sup>th</sup>

DRAFT

**Antelope Valley**  
**Integrated Regional Water Management Plan**  
**2007 Update**

**Second Stakeholder Meeting**

**Consultant Team:**  
Brian Dietrick  
Bruce Phillips  
Tom West  
Grizelda Soto

**RMC** *Innovative Solutions for  
Water and the Environment* **PACE** June 20, 2012

## Meeting Objectives

- IRWMP Update Progress Report
  - DAC Outreach
  - Integrated Flood Management
- Status Updates – A-Team
- Water Conservation Update – Dave R.
- IRWMP Next Steps
  - Project Schedule
  - Climate Change
  - IRWMP Goals & Objectives

**RMC**

## Updates – DAC Outreach

### Overview

**Definition:** communities with median household income less than 80 percent of statewide median (\$48,706)

#### DAC outreach is beneficial to IRWM:

- IRWM seeks to provide water-related benefits to all areas of the Region, including typically under-served areas
- DACs must be included in mandatory public outreach process
- DAC water benefits must be part of project review process for IRWMP update
- DAC benefits allow applicants to expand the list of eligible projects (for implementation grants) to include feasibility studies, design, needs assessments



## Updates – DAC Outreach

### Work Completed – Define DAC Areas

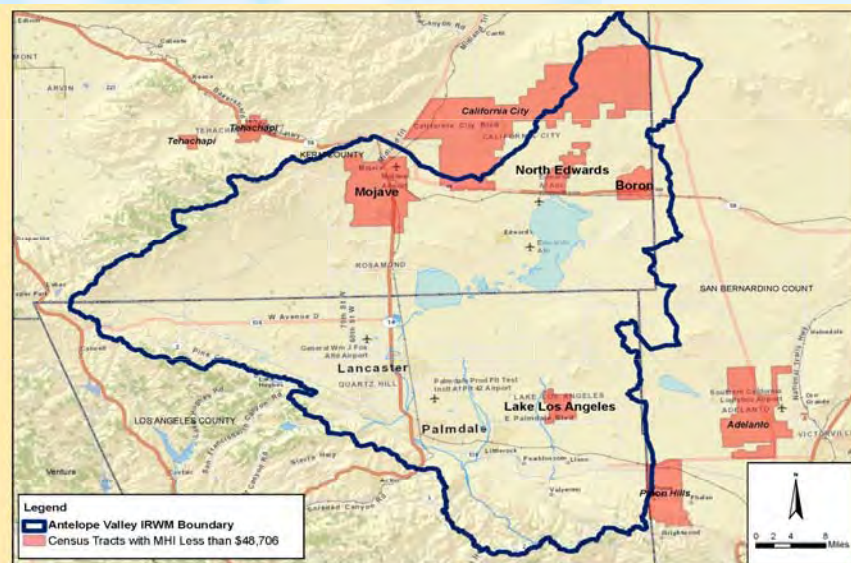


Figure X-X Antelope Valley Disadvantaged Communities Map



## Updates – DAC Outreach

Other Work Completed

- DAC Committee Meeting No. 1:
  - Prop 84/Prop 1E DAC background and info
  - Review/discuss previous six DAC AV IRWM regions
  - Obtain DAC stakeholder contact information
  - Discuss DAC water supply, quality and flooding TM
- Stakeholders contacted
  - Boron CSD
  - North Edwards Water District
  - Desert Lake CSD
  - Edgemont Acres MWC
  - Mojave Public Utilities District
  - Lake Los Angeles
  - California City
  - Kern County Planning Dept.
  - Los Angeles County



## Updates – DAC Outreach

DAC Process/Schedule

DAC Outreach  
 △ Lake LA  
 △ North Edwards  
 △ Mojave  
 △ Boron


DAC Supply, Quality, & Flooding Summary

DAC Supply, Quality, & Flood Monitoring Plan

Define DAC Areas    Collect DAC Data    Identify Monitoring Needs    Draft TM    Review    Final TM

April    June    August    October

△ = Stakeholder mtg  
 ▲ = DAC committee mtg  
 △ = DAC outreach





## Updates- Integrated Flood

### Overview

#### Holistic approach for dealing with flood risks:

- Interconnection flood management actions within water resources management and land use planning
- Value of coordinating across geographic and agency boundaries
- Need to evaluate opportunities and impacts from a “system” perspective
- Importance of environmental stewardship and sustainability

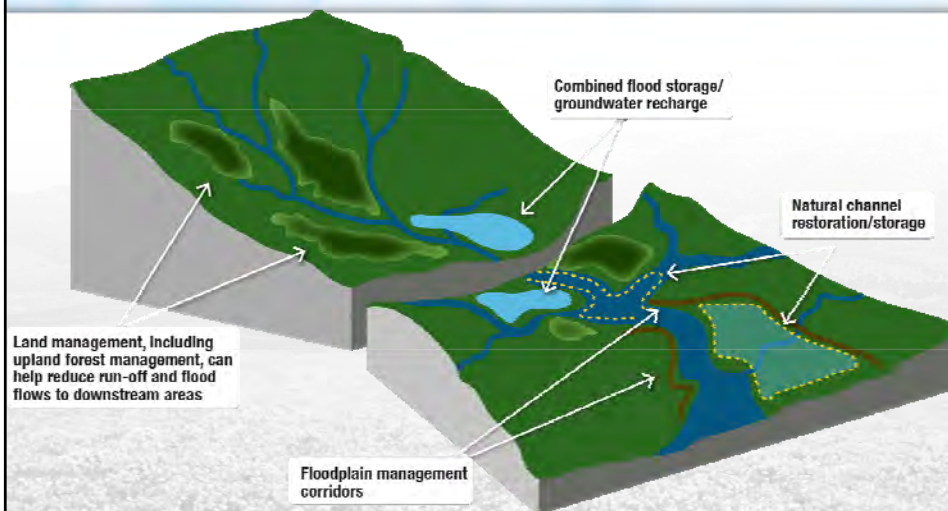


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## Updates – Integrated Flood

### Common Examples



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## Updates-Integrated Flood

### Drivers

- DWR guidelines emphasize importance of integrated flood management (IFM)
- Scoring on recent Prop 84 grant proposal included focus on IFM
- IFM must be addressed in IRWM update to ensure ability to secure maximum funding
- Competitive IFM projects should be incorporated into the IRWM project database



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## Updates-Integrated Flood

### Work Completed – Existing Flood Document Matrix

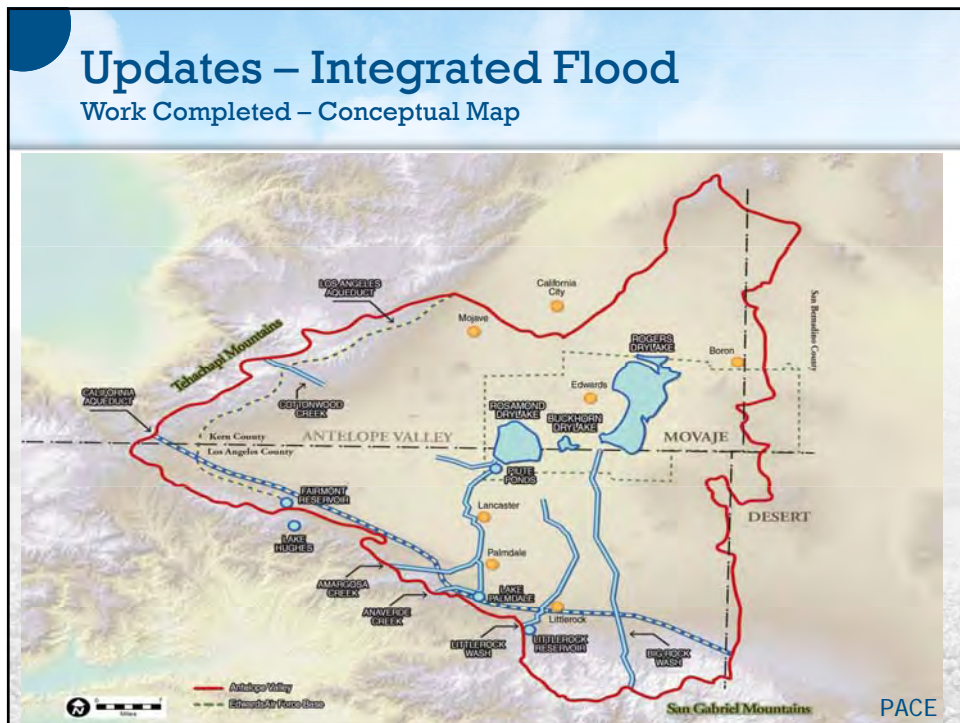
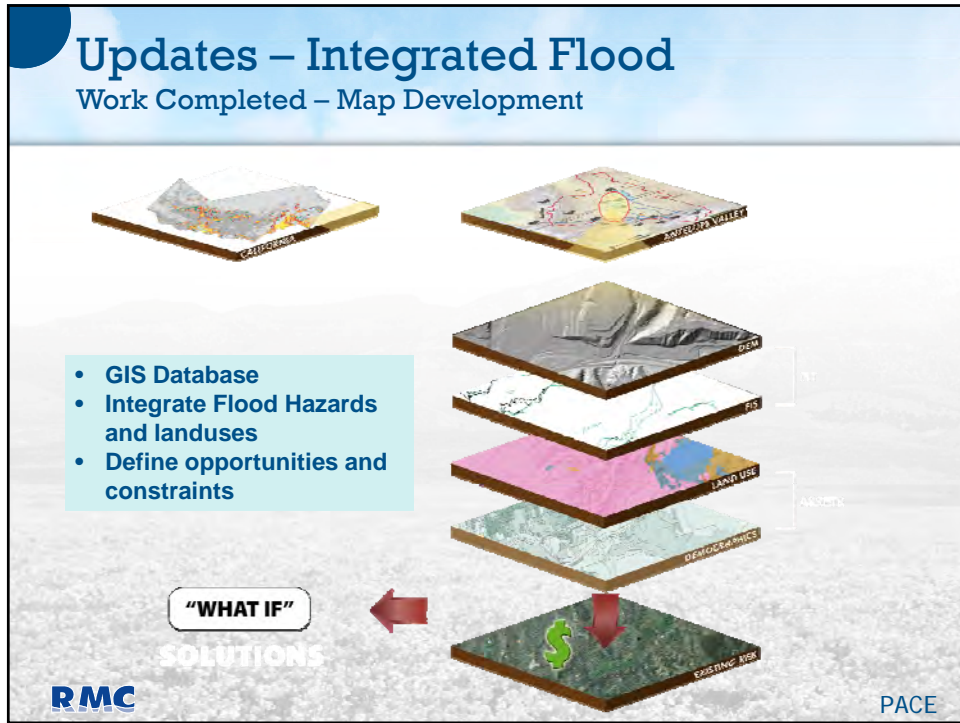
- Number of Documents Listed: 26
- Types of Documents:
  - General Plans
  - Master Plan of Drainage
  - Technical Report
  - Comprehensive Report
- Sources:
  - LACDPW
  - QHWD
  - EAFB
  - Lancaster
  - Palmdale
  - Kern County

All IRWM Flood Management Document Matrix - DRAFT

Document Title	Location	Year	Author	Status	Notes
General Plan	Palmdale	2008	Palmdale	Existing	...
Master Plan of Drainage	Lancaster	2005	Lancaster	Existing	...
Technical Report	Kern County	2007	Kern County	Existing	...
Comprehensive Report	Lancaster	2006	Lancaster	Existing	...

RMC

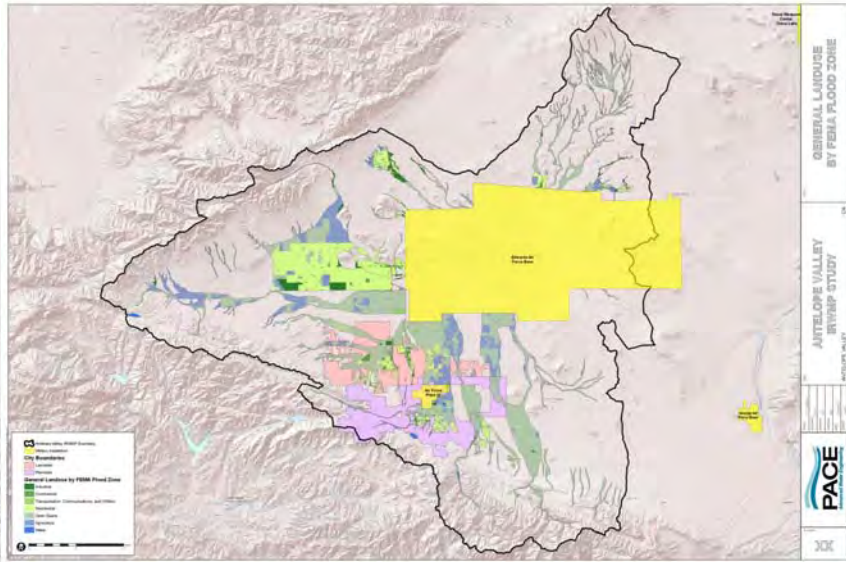
PACE





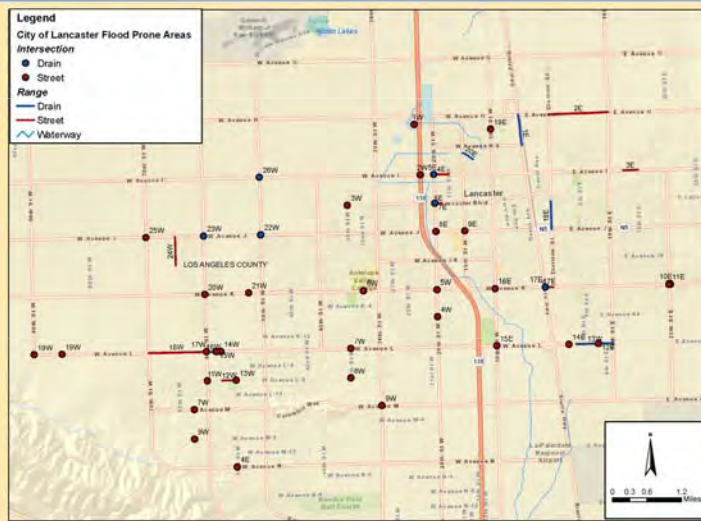
# Updates – Integrated Flood

Work Completed – FEMA Map



# Updates – Integrated Flood

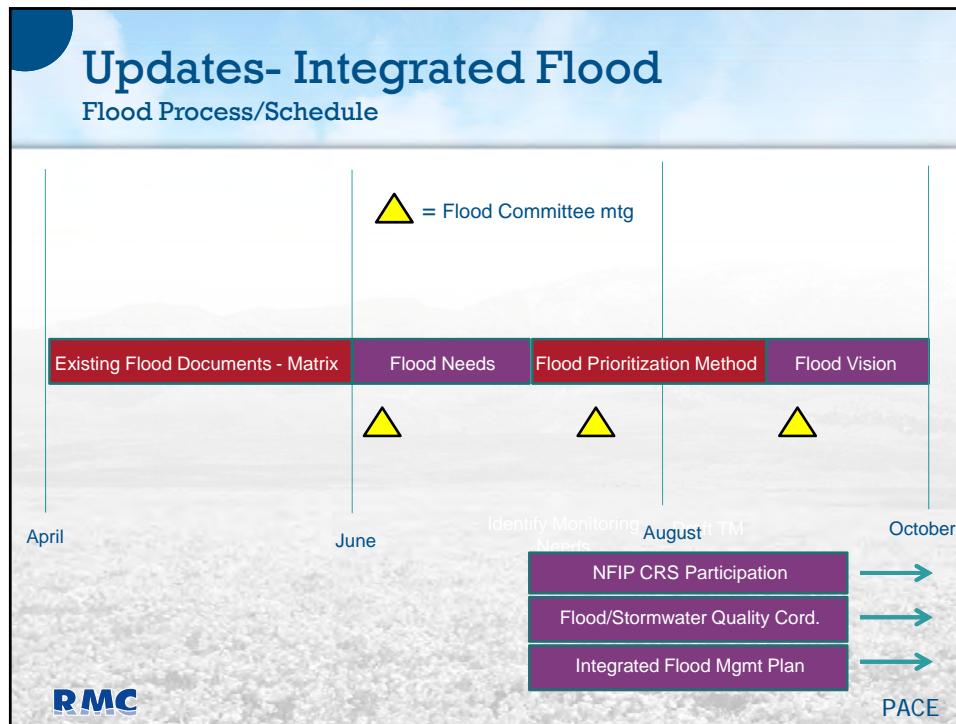
Work Completed – Local Flood Problem Maps



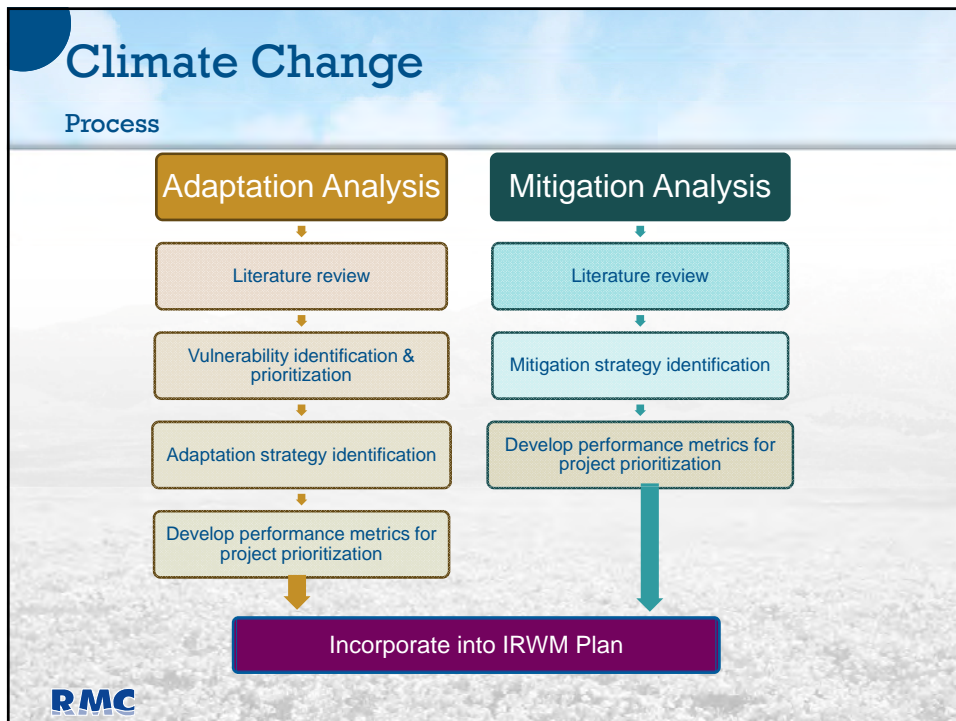
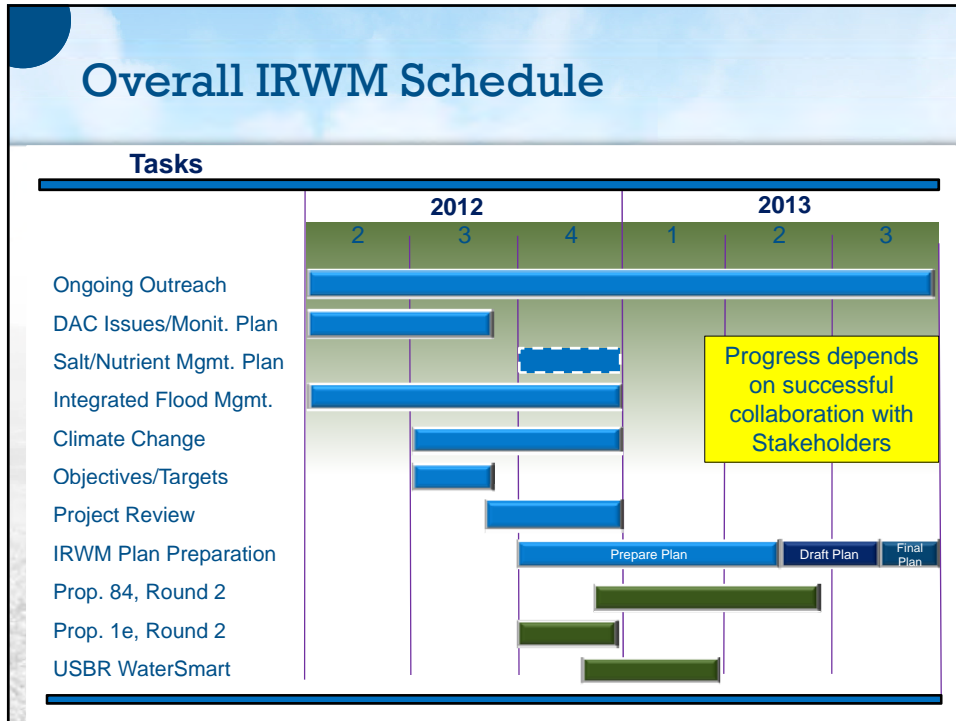
RMC

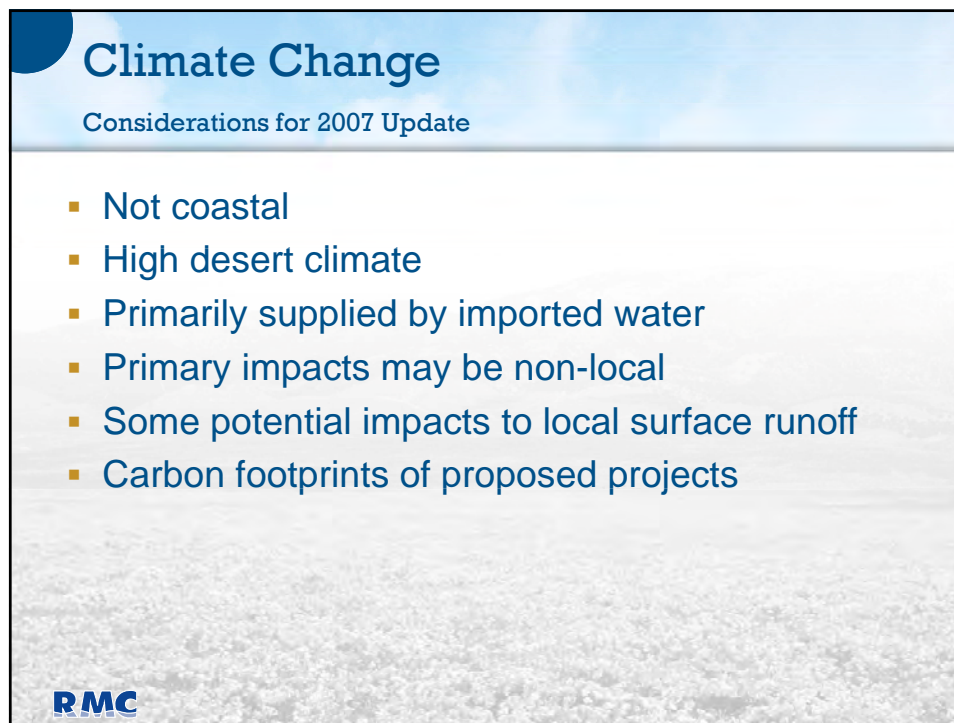
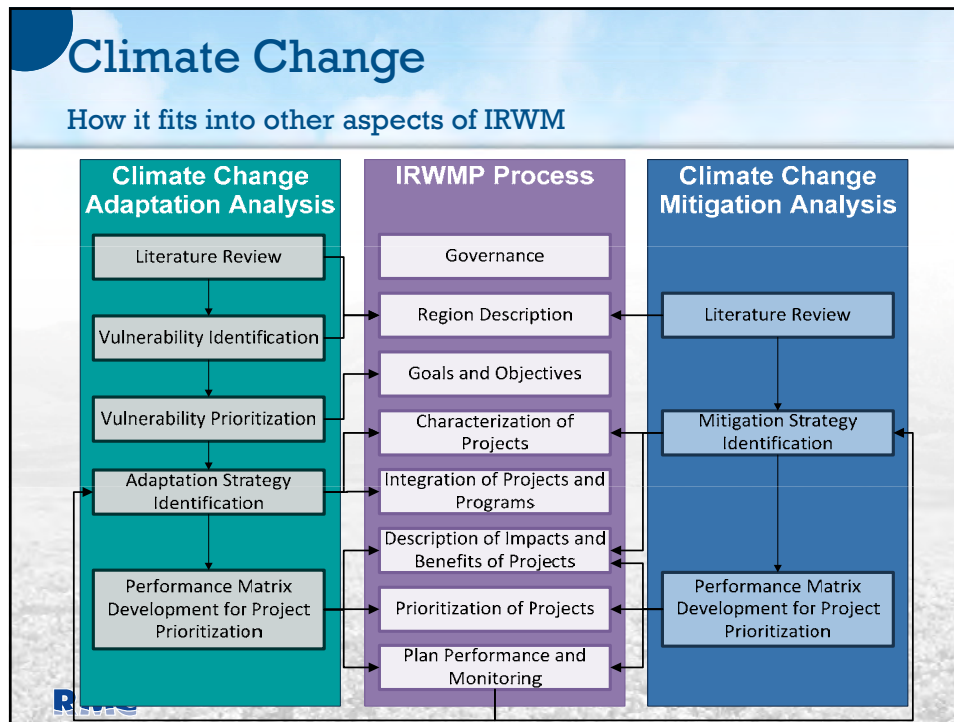
Figure X-X City of Lancaster Flood Prone Areas

PACE



- ## Status Updates from A-Team
- Prop 84 Implementation Grant for WSSP2 Banking Project
  - Prop 1E Grant for Upper Amargosa Creek Recharge Project
  - Salt Management Plan
  - USGS Groundwater Modeling Effort
  - Sanitation District Wastewater Plant Upgrades
  - Water Conservation Efforts
- RMC









## Next Steps: Goals & Objectives

### Considerations for 2007 Update

- I. Changes to water supply management
  - I. Updated UWMP data
  - II. Additional groundwater data
- II. Changes to water quality management
  - I. New information on contaminants
  - II. New plans for recharge projects
  - III. New plans for recycled water projects
- III. Changes to flood management
- IV. Changes to land use planning
- V. Climate Change
  - I. Vulnerability
  - II. Mitigation
- VI. S/N Management

**RMC**

## Next Steps: Meetings

- Early July – Flood Committee, location TBA
- July 24<sup>th</sup> - AV Board of Trade, JP Eiopulous Hellenic Center
- August 15<sup>th</sup> - Stakeholder Mtg No. 3, location TBA

**RMC**

