



# TODAY'S ACTION

Consider Approving Proposed Terms of a *Subdivision Improvement Agreement*, by and Among, the Monterey County Water Resources Agency and Union Community Partners, Related to the Bryant Canyon Channel Improvement Project, and Authorize the General Manager to Negotiate Final Terms Subject to Approval by County Counsel; and, Recommending the Monterey County Water Resources Agency Board of Supervisors Approve the Agreement and Authorize the Chairman of the Monterey County Water Resources Agency Board of Supervisors to Execute the Agreement





# Committee Action

- February 14, 2014, Personnel and Administration Committee
- February 14, 2014, Finance Committee





# Prior BOD Action

- On August 27, 2001, the Board of Directors (BOD) approved the following items: purchase of 5.77 acres of right of way for extension of Bryant Canyon Drainage Channel; Purchase Agreement and the Easement and Maintenance Agreement subject to final review by County Counsel, an expenditure not to exceed \$81,008 and, recommended for approval by the Board of Supervisors.





# Financial Impact

- None





# Discussion

## History of Bryant Canyon Improvements:

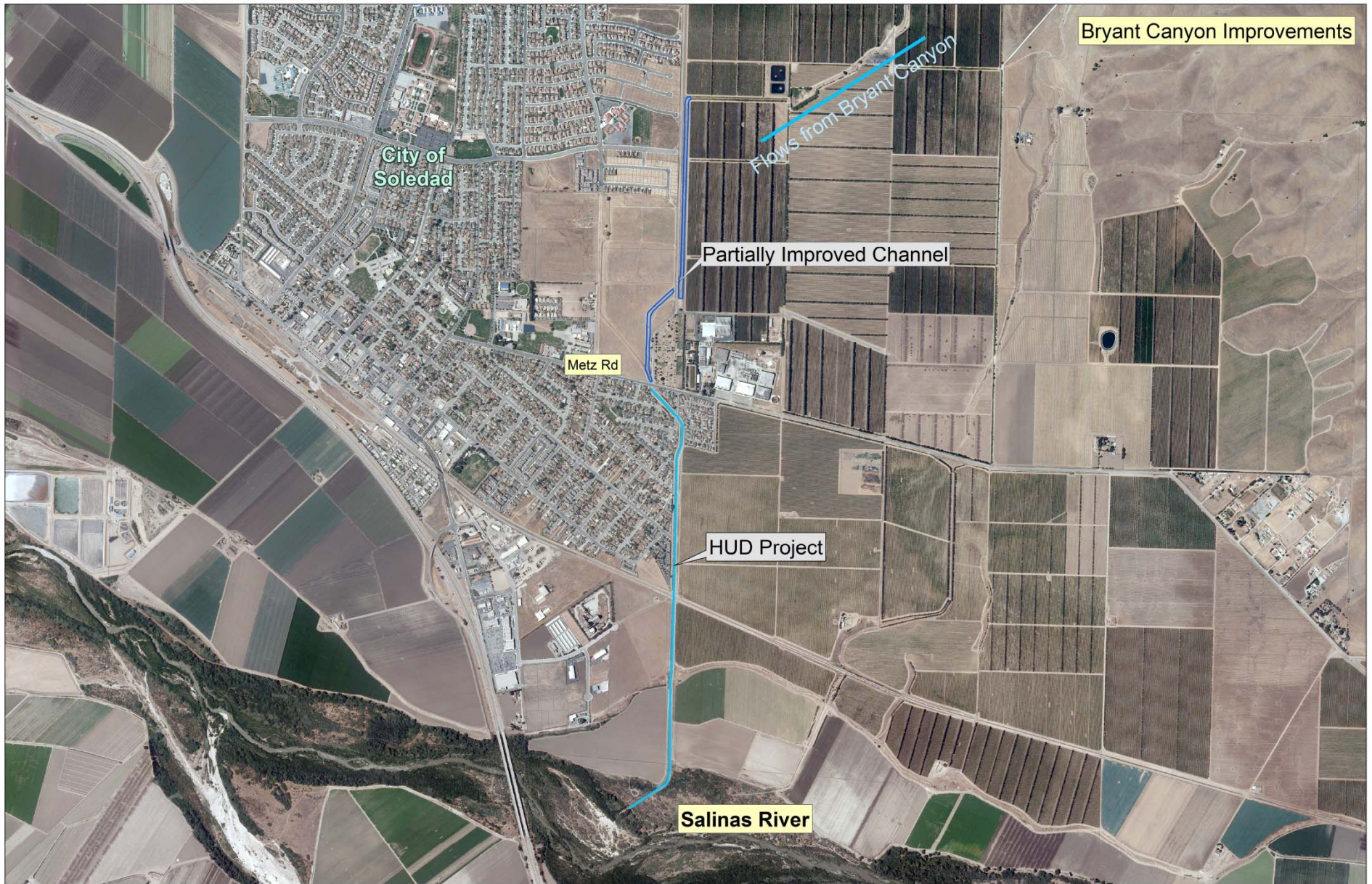
- Soledad Storm Drain constructed by the U.S. Department of Housing and Urban Development (HUD) in 1974
  - to reduce flooding in the City of Soledad
  - directs water along the eastern boundary of the city to the Salinas River
  - several flows bypassed the channel at Bryant Canyon at Metz Roads and caused flooding
  - proposal to extend the inlet about 3/4 mile up Bryant Canyon Road to reduce the amount of flood water bypassing the channel inlet



## Discussion (cont.)

- 2001 purchased Right-of-way to extend inlet (\$81,008)
- 2002 Bryant Canyon Channel Improvement Project:
  - 40,000 cy of drainage ditch excavation,
  - Installed three drop structures, and
  - the installed a temporary 66” culvert under Bryant Canyon Road
  - Activities coordinated by the MCWRA:
    - excavation services for rough grading to MCWRA specifications
    - removal of material at no cost to the MCWRA
    - finished grading was not performed
    - Gabilan Conservation Camp installed structures







# Discussion (cont.)

- Project incomplete:
  - 10 drop structures
  - rock slope protection
  - permanent box culvert
- Zone 8 funds inadequate to complete:
  - Zone 8 annual revenue approximately \$66,000
  - Zone 8 responsibilities include maintaining the Soledad Storm Drain and the newly constructed extension of the Storm Drain
  - Completion estimated to cost over \$1 million





# Discussion (cont.)

- Portion of the newly constructed channel located outside of MCWRA existing easement
  - Letter agreement to move the easement
  - May not have been recorded on title

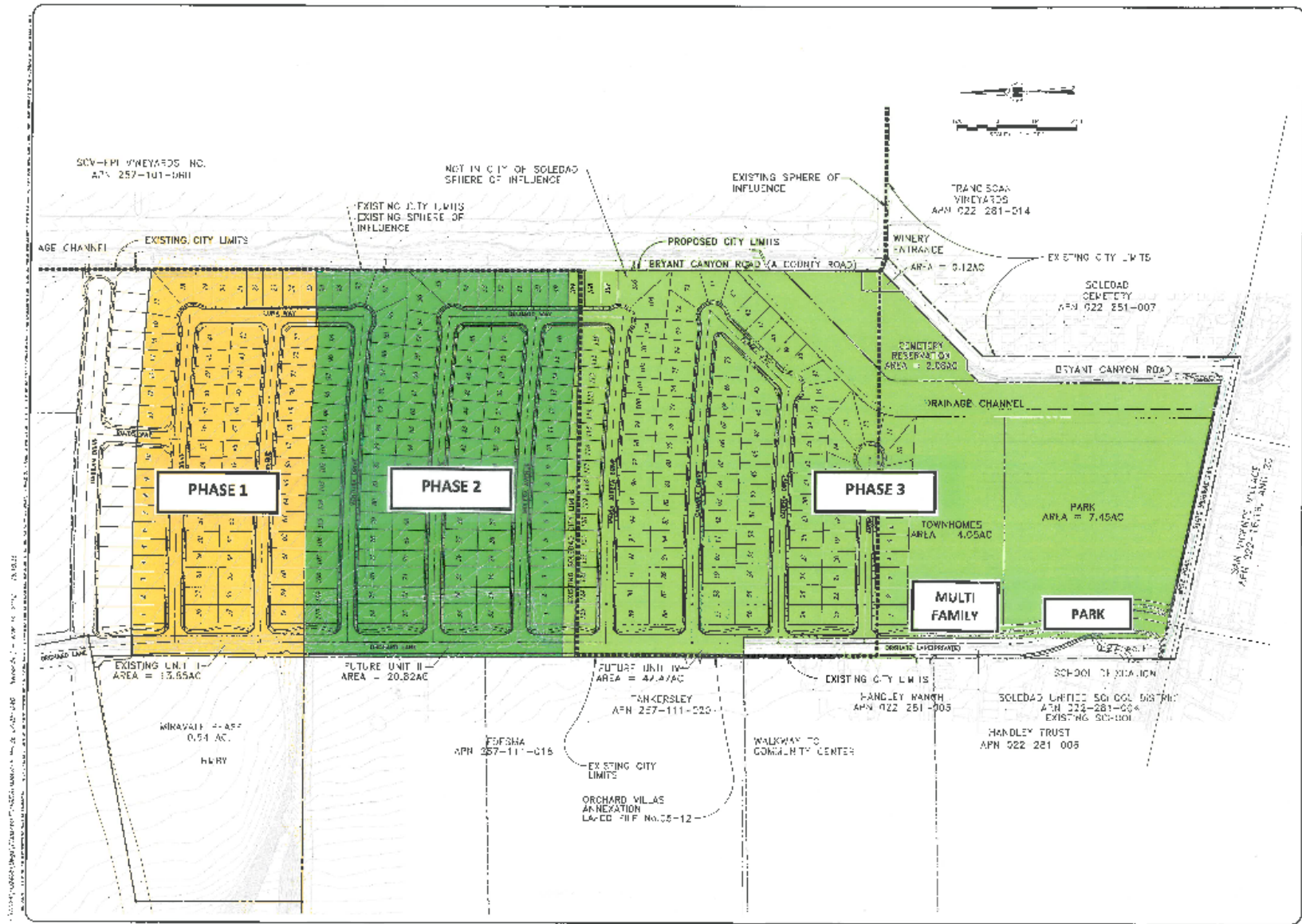




# Discussion

Where we are today:

- Union Community Partners, (UCP) developing the Miravale Subdivision
- Phase 3:
  - located partially within the Soledad city limits
  - adjacent to the partially improved channel
  - discharge stormwater runoff into the channel
  - in an area subject to flooding due to the unfinished channel
- UCP has agreed to construct the unfinished improvements
- UCP and the MCWRA will enter into a Subdivision Improvement Agreement prior to commencement of construction



COUNTY OF MONTEREY, CALIFORNIA, COUNTY ENGINEER'S OFFICE  
 REVIEWED FOR CONFORMANCE WITH MONTEREY COUNTY ENGINEER'S ACT AND PROFESSIONAL STANDARDS  
 DATE: 2/13/14 11:58 AM  
 PROJECT: WAPLE SUBDIVISION PHASE 2  
 SHEET: 1 OF 1  
 DRAWN BY: J. D. BROWN  
 CHECKED BY: J. D. BROWN  
 PROJECT NUMBER: 2013-01

SCALE:
GRAPHIC SCALE
NORTH

**PRELIMINARY**  
 BESTOR ENGINEERS, INC. PRELIMINARY ONLY FOR CONSTRUCTION  
  
 BRENT C. BESTOR

PREPARED FOR: MONTEREY COUNTY ENGINEER'S OFFICE  
**PHASING EXHIBIT**  
 WAPLE SUBDIVISION PHASE 2  
 SHEET OF 1

DATE	11/11/13
SCALE	1" = 120'
NO.	1 OF 1





# Discussion (cont.)

Developer's Responsibilities: Install and complete Improvements and pay for all associated costs, which includes but is not limited to the following:

- Topographic Survey
- Permit Ready Construction Plans and Specifications
- Construction Bond Security to the MCWRA
- Construction activities: materials, labor, transportation, equipment, inspection, correction, spoils, etc.
- Take necessary actions during construction to prevent erosion damage



# Discussion (cont.)

## Developer's Responsibilities: (cont.):

- Dedicate Right-of-way/Easement to the MCWRA
- Repair, relocate or replace existing facilities, improvements or survey monuments that are disturbed, destroyed or damaged during construction
- Inspect and certify improvements are constructed in accordance with the Final Construction Plans and Specifications
- Prepare as-built plans





# Discussion (cont.)

MCWRA's Responsibilities: Approve construction plans and accept improvements.

- Approval of Permit Ready Construction Plans and Specifications
- Coordination with City
- Allow access to site
- Approval of modifications, change orders, etc. by MCWRA will not be unreasonably withheld or delayed
- Regular inspections
- Future maintenance





# Discussion (cont.)

Still undetermined responsibilities:

- Permits, which may include:
  - Encroachment
  - Grading
  - DFW Streambed Alteration Agreement
  - USACE 404
  - RWQCB WDR or 401 Certification



## TODAY'S ACTION

Approve Proposed Terms of a *Subdivision Improvement Agreement*, by and Among, the Monterey County Water Resources Agency and Union Community Partners, Related to the Bryant Canyon Channel Improvement Project, and Authorize the General Manager to Negotiate Final Terms Subject to Approval by County Counsel; and, Recommend the Monterey County Water Resources Agency Board of Supervisors Approve the Agreement and Authorize the Chairman of the Monterey County Water Resources Agency Board of Supervisors to Execute the Agreement









# TODAY'S ACTION

Consider Approving Amendment No. 2 to the Professional Services Agreement with Salinas Pump Company in the Amount of \$54,000 to Provide Water Well and Pump Maintenance, Repair Services and Well Logging Services for the Castroville Seawater Intrusion Project; and, Authorize the General Manager to Execute the Amendment





# Prior BOD Action

- On July 23, 2012 the Board of Directors approved a three-year professional services agreement with Salinas Pump Company in the amount of \$70,000 to provide maintenance, repair and well logging services for the Castroville Seawater Intrusion Project supplemental wells and pumps on an as-needed basis.
- On December 16, 2013 the Board of Directors approved Amendment No. 1 to the professional services agreement with Salinas Pump Company. Amendment No. 1 increased the maximum amount payable to Salinas Pump Company to \$120,000 for maintenance, repair and well logging services for the Castroville Seawater Intrusion Project supplemental wells and pumps on an as-needed basis.





# Financial Impact

- Fund 131: Zone 2B – CSIP Operations & Maintenance  
– \$54,000



# Discussion

## Background:

Current Balance	\$120,000
Well 14A1	(100,000)
Well 9D4	(6,000)
<hr/>	
	\$14,000
Amendment No. 2	\$54,000
Well 01C1	(38,000)
<hr/>	
Contingency	\$30,000



# TODAY'S ACTION

Approve Amendment No. 2 to the Professional Services Agreement with Salinas Pump Company in the Amount of \$54,000 to Provide Water Well and Pump Maintenance, Repair Services and Well Logging Services for the Castroville Seawater Intrusion Project; and, Authorize the General Manager to Execute the Amendment







# TODAY'S ACTION

Consider Adopting an Order that Supports Agency Participation in Developing a US Bureau of Reclamation WaterSMART Program Basin Study for the Salinas and Carmel River Basins, and Authorizes Agency Staff to Perform Tasks in Support of this Project; and, Recommending that the Chair of the Monterey County Board of Supervisors Sign a Letter of Support for the Study







# Committee Action

- None





# Financial Impact

- Budget Unit 930
- Fund 115
- Program 9597 – Special Projects
  - 600 hours / 1 person / 3 years



# Discussion

## Bureau of Reclamation's WaterSMART Program:

- focuses on improving water conservation, sustainability and helping water resource managers make sound decisions about water use.
- identifies adaptive measures to address climate change and its impact on future water demands.
- works with state and local partners to conduct comprehensive water supply and demand studies of river basins in the western United States.



# Discussion (cont.)

- Basin Studies include four main elements:
  - Projections of water supply and demand, including the risks of climate change.
  - Analysis of how existing water and power infrastructure will perform in response to changing water realities.
  - Development of adaptation and mitigation strategies to improve operations and infrastructure in order to supply adequate water in the future.
  - Trade-off analysis of the strategies identified and findings and recommendations as appropriate.



## Discussion (cont.)

- Bureau of Reclamation began seeking applicants interested in participating in the Basin Study Program in November 2013
  - Agency staff reviewed and decided not to pursue
  - Monterey Peninsula Water Management District, Monterey Regional Water Pollution Control Agency and San Luis Obispo County submitted letters of interest by the December deadline.
  - After internal discussions and conversations with USBR, Agency submitted a late letter of interest on January 13, 2014





## Discussion (cont.)

- Reclamation's Mid-Pacific Region nominated the Salinas and Carmel Rivers Basin Study for FY14 funding February 6, 2014
  - Proposal due February 19, 2014
  - Up to \$1M of assistance available from Reclamation and requires 50% local match
  - The four cost-sharing partners developed and submitted the proposal
  - Reclamation's review committee will determine whether or not to participate





# Discussion (cont.)

- The Salinas and Carmel River Basins Study will be a collaborative effort between:
  - Bureau of Reclamation
  - MCWRA
  - SLO County
  - MPWMD
  - MRPCA



## Discussion (cont.)

The review committee is interested in local support for the completion of a Basin Study. Some letters of support were obtained and submitted with proposal, because of timing other letters were not sought out.







# Summary

- This Basin Study provides the opportunity to improve collaboration and the opportunity to develop the solutions and strategies that will fill in the gaps in supply and demand planning, reduce risks to property and infrastructure associated with climate change, and to improve the sustainability of the aquifers and rivers to provide adequate water supplies for the benefit of all users.





# TODAY'S ACTION

Adopt an Order that Supports Agency Participation in Developing a US Bureau of Reclamation WaterSMART Program Basin Study for the Salinas and Carmel River Basins, and Authorize Agency Staff to Perform Tasks in Support of this Project; and, Recommend that the Chair of the Monterey County Board of Supervisors Sign a Letter of Support for the Study







# TODAY'S ACTION

Consider Receiving an Update on the Short-term Salinas River Stream Maintenance Program; and, Providing Direction on How to Proceed with the Program's Environmental Impact Report





# Committee Action

- None





# Prior BOD Action

- Between March 22, 2010 and October 28, 2013, the Board of Directors (BOD) approved a Professional Services Agreement and four Amendments with Cardno ENTRIX to prepare an Environmental Impact Report (EIR).
- Based on public testimony on September 30, 2013, the BOD asked for a two-month continuance on recommending that the Board of Supervisors hold a Public Hearing to consider certifying the Salinas River Stream Maintenance Program Environmental Impact Report.
- The BOD reconsidered this item on December 16, 2013, and asked for staff to continue to work with stakeholders and to bring back a matrix of project options in two months.





# Financial Impact

- None





# Discussion

- Four stakeholder meetings held between October 2013 and February 2014:
  - Understand concerns and proposal
  - Develop possible project or process changes
- Short-term focus
  - Develop more specific activities and locations
  - Additional activities such as trash removal, bank stabilization and bypass channel construction
- Months of this additional public process have helped get a better understanding for all parties involved.
- Some clarity and revision to the project, and consequently the EIR, would help make this program more user-friendly







## Discussion (cont.)

- Matrix developed with group input
  - Six projects
  - Long-term and short-term timelines
  - Varying involvement by MCWRA
  - How do they relate to the CEQA document?





# Matrix Overview

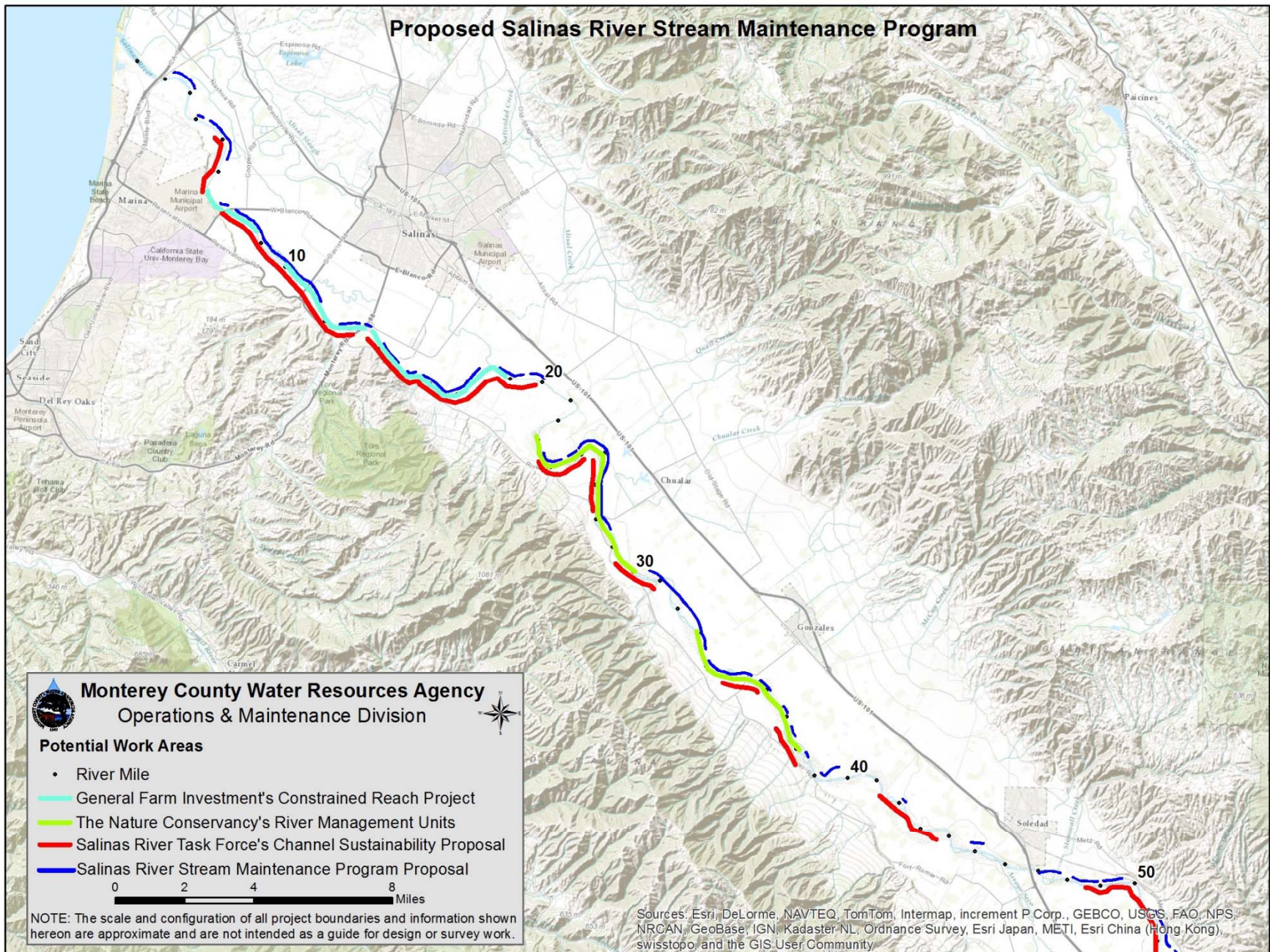
- Approach:
  - System-wide to specific reaches
  - Flood protection, habitat protection, restoration, adaptable
  
- Activities:
  - Structural, vegetation clearing (native and invasive species), sediment management, obstruction removal, streambank protection, trash removal, secondary flood channels, planting native vegetation



# Matrix Overview (cont.)

- Area/footprint:
  - Salinas River
  - Select tributaries
  - Specified reaches
  
- Site Selection Criteria
  - Voluntary Participation
  - Eligibility Assessment (10-year flow)
  - Site Screening
  - Intent to Participate
  - Presence of invasive species

# Proposed Salinas River Stream Maintenance Program



**Monterey County Water Resources Agency**  
 Operations & Maintenance Division

**Potential Work Areas**

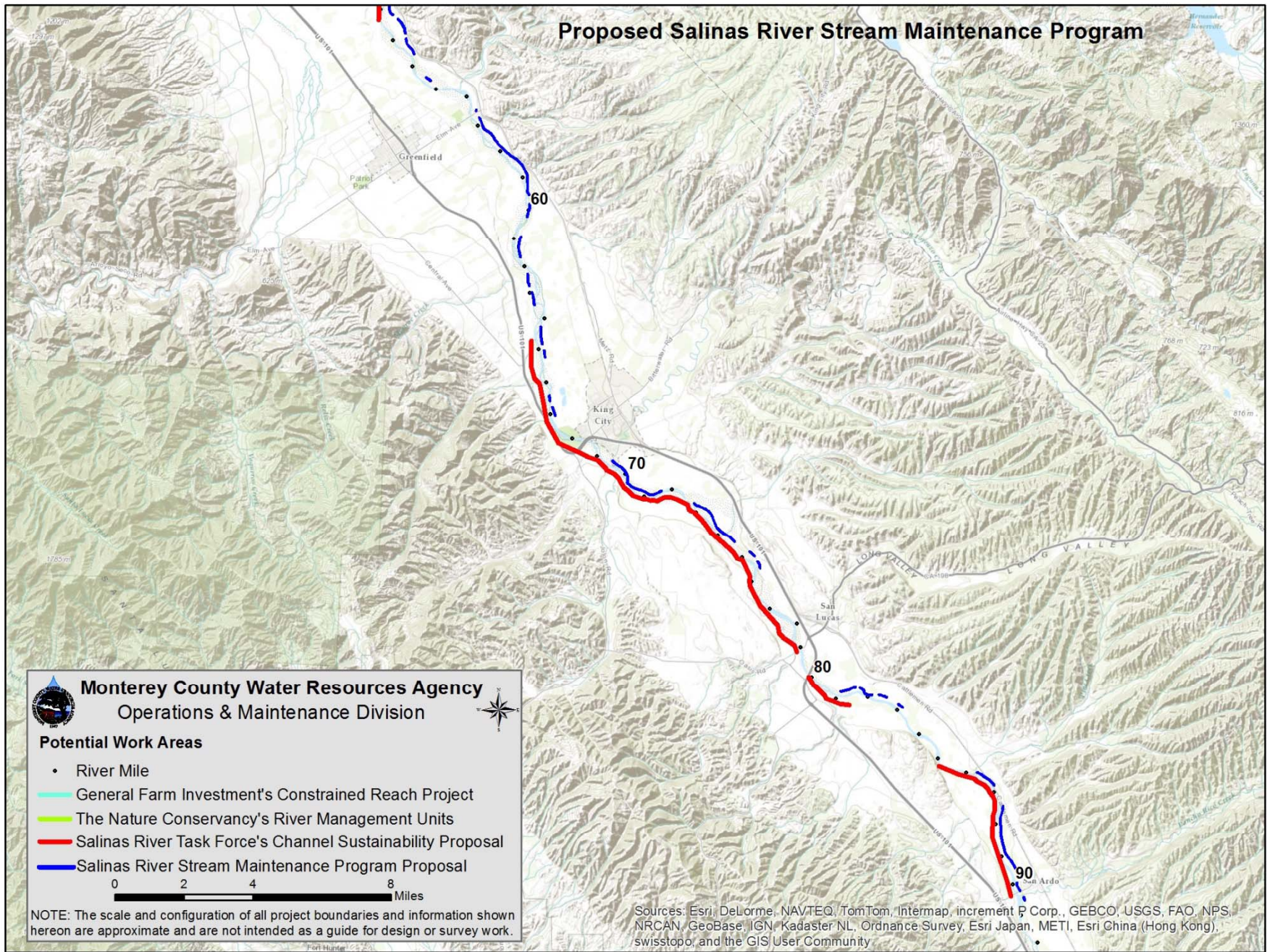
- River Mile
- General Farm Investment's Constrained Reach Project
- The Nature Conservancy's River Management Units
- Salinas River Task Force's Channel Sustainability Proposal
- Salinas River Stream Maintenance Program Proposal

0 2 4 8 Miles

NOTE: The scale and configuration of all project boundaries and information shown hereon are approximate and are not intended as a guide for design or survey work.

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

# Proposed Salinas River Stream Maintenance Program



**Monterey County Water Resources Agency**  
Operations & Maintenance Division

**Potential Work Areas**

- River Mile
- General Farm Investment's Constrained Reach Project
- The Nature Conservancy's River Management Units
- Salinas River Task Force's Channel Sustainability Proposal
- Salinas River Stream Maintenance Program Proposal

0 2 4 8 Miles

NOTE: The scale and configuration of all project boundaries and information shown hereon are approximate and are not intended as a guide for design or survey work.

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community



# Matrix Overview (cont.)

- Timeline
  - In 5 to 10 years, lasting many more (Long Term)
  - Next 5 to 10 years (Short Term)
    - 5-year permits
    - Implement this year or soon thereafter
  
- Roles/Responsibilities
  - USACE 404 Permit and related: MCWRA, RCD
  - DFW 1600 Agreement: Participant, RCD
  - Work Performed:  
Landowner/grower/municipality/RCD
  - Monitoring: MCWRA, participants, TNC, RCD





# Matrix Overview (cont.)

- Environmental Impacts:
  - Some unknown
  - Related to Proposed SMP: similar, less, more
    - Different types of activities
    - Different areas within the channel
    - Different amounts of activities
  
- Proposed Mitigation Strategy
  - Avoidance and minimization
  - On-site or off-site mitigation



# Matrix Overview (cont.)

- Additional CEQA Requirements
  - New CEQA analysis
  - Minor changes to project/ no substantive
  - Extensive changes to project / revise and recirculate Draft EIR
  - Under own CEQA document







# Pathway Forward

- Project that is:
  - Supported by larger group
  - Feasible for MCWRA to implement
  - Able to get permits
  - Reasonable timeline
  - Combine best points from each proposal





# Proposed Approach

- Process we can agree on:
  - Cooperative effort
  - Develop existing conditions
  - Engage Permitting Agencies early on
  - Determine work and avoidance areas
  - Goal of flood risk reduction dictates proposed work
  - Phased approach for system-wide benefit
  - Monitor project benefits



# Proposed Approach

- Phased approach
  - Arundo removal (RCD lead)
  - 404 permit for Chualar and Gonzales RMUs
  - Begin permitting on larger scale – develop specific information
    - Work with Interested landowners/growers now
    - Develop criteria and design for different reaches
    - Expand activities to cover entire river
    - Develop new activities e.g. bank stabilization
  
- Approach helps guide towards Long Term Project



# Why This Approach?

- Start something sooner
- Additional resources from other organizations
- BOD directed staff to participate in Demonstration Project:
  - Experimental
  - Demonstrating a process that may be replicated
  - Positive pathway/smoothier than one we were on
  - Getting insight ahead of time, what can be permitted
  - Short timeframe to get permit applications
  - Stepping stone towards broader permits
- Offers a variety of activities
- Increases clarity and understanding of Program





# Necessary Steps

- Update project for revised CEQA analysis:
  - Umbrella project to include a range of activities
  - Include project-specific details
  - Develop performance standards based on different reaches
  - Adaptable to meet changing conditions of river and participation
  - System-wide benefits, solution for whole river



# Summary

- Many good ideas out of Stakeholder meetings
- Phased approach that encompasses range of options
- Continue to work through demonstration project to work out a new approach
- More detailed project and site specific information
- Update EIR with new process and details
- Work with interested parties immediately to develop permit application for larger system





# TODAY'S ACTION

Receive an Update on the Short-term Salinas River Stream Maintenance Program; and, Provide Direction on How to Proceed with the Program's Environmental Impact Report









# TODAY'S ACTION

Consider Authorizing the General Manager to Proceed to Execute All Agreements Necessary to Complete Environmental Documents, Permit Applications and Supporting Materials Related to the Salinas River Stream Maintenance Program in the Amount Not to Exceed \$150,000 in the Aggregate, Subject to Approval as to Form by County Counsel





# Committee Action

- February 14, 2014 the Finance Committee reviewed the item





# Prior BOD Action

- Between March 22, 2010 and October 28, 2013, the Board of Directors (BOD) approved a professional services agreement and four amendments with Cardno ENTRIX to prepare a California Environmental Quality Act (CEQA) document including supporting analyses, for the amount of \$611,879.
- On March 25, 2013 the BOD approved the Monterey County Water Resources Agency's Fiscal Year 2013-2014 Requested Budget which included \$150,000 in Funds 116, 117, 121, 124, and 129 for Other Professional Fees and Services – Consultants for the Salinas River Stream Maintenance Program.





# Financial Impact

- Up to \$150,000
- Multiple Funds
  - 116: Zone 2C – Operations & Maintenance
  - 117: Zone 3, Lower Salinas River
  - 121: Zone 8, Bryant Canyon
  - 124: Zone 12, San Lorenzo Creek
  - 129: Gonzales Slough Maintenance





# Discussion

## Background:

- MCWRA has administered the Salinas River Stream Maintenance Program since 1997
- Need new five-year USACE 404 permit (last one 2008)
- The necessary steps:
  - CEQA analysis of project
  - BOS approve the Project
  - Biological Assessment and NEPA analysis
  - USACE 404 permit application including Jurisdictional Delineation and other supporting
  - Formal consultations with NOAA Fisheries and U.S. Fish and Wildlife Service
  - Water Quality 401 Certification from the RWQCB





# Discussion

## Current Status:

- Developed a Final EIR in accordance with CEQA
- Certification of EIR delayed
  - staff working with the stakeholders
  - project modifications may be necessary
  - EIR revisions
- USACE 404 Application needs to be prepared
  - Monies budgeted this fiscal year
  - Expedite to not have additional delays



# Discussion (cont.)

- EIR
  - contract with Cardno ENTRIX expires 3/31/2014
  - very limited budget remaining (hundreds of dollars)
  - direction from the BOD to move forward
  - project revisions/additional analysis not part of scope
  - approximate cost between \$25,000 and \$100,000
  - range of activities: revise project description/no substantive changes to revise/recirculate Draft EIR
  - quantity and type of future comment letters unknown
  - only guidelines for what the effort may cost



# Discussion (cont.)

- 404 Permit Application
  - Jurisdictional Delineation
  - Biological Assessment
  - NEPA support







# Summary

- Anticipated to be completed with CEQA by last summer
- FY 13-14 budget has \$150,000 in budget for permitting and related documents
- Additional CEQA work can be paid out of that sum
- The next phase (permitting) can be started while CEQA revisions are underway
- This process with help expedite the steps necessary to move the program forward





## **TODAY'S ACTION**

**Authorize the General Manager to Proceed to Execute All Agreements Necessary to Complete Environmental Documents, Permit Applications and Supporting Materials Related to the Salinas River Stream Maintenance Program in the Amount Not to Exceed \$150,000 in the Aggregate, Subject to Approval as to Form by County Counsel**







# TODAY'S ACTION

Consider Providing Direction to Staff on Whether to Attempt Salinas River Diversion Facility (SRDF) Operation for the Period April 1 through October 31, 2014





# Committee Action

- Reservoir Operations Committee Recommended on February 6, 2014 that releases be made to support the operation of the Salinas River Diversion Facility (SRDF) if river channel conditions exist which would allow for a reasonable possibility of two to four weeks of operation





## Prior Board Action

- On January 27, 2014 the Board of Directors received a report on possible SRDF water delivery options





# Financial Impact

- Operation of SRDF Budgeted in the current FY 2013-2014 and upcoming FY 2014 - 2015
  - Fund: 134





# Discussion

- Third consecutive “Dry” winter on the Central Coast
- Emergency operations last summer resulted in an imbalance in reservoir storage residuals between Nacimiento and San Antonio Reservoirs
  - Nacimiento Conservation Pool Storage: approximately 57,000 acre-feet
  - San Antonio Conservation Pool Storage: <7,260> acre-feet (below minimum pool)







# Discussion

- San Antonio Reservoir





# Discussion

## Winter 2012 – 2013

- Late Dec. and early Jan. rain provides flow to Spreckels through Feb. 10<sup>th</sup>
- Reservoir releases begin about March 10<sup>th</sup> for April 1<sup>st</sup> SRDF Start-Up
  - Spreckels Dry for about 30 days
  - Releases maximized at approx. 500 cfs
  - Flow reaches Spreckels in 14 days





# Discussion (cont.)

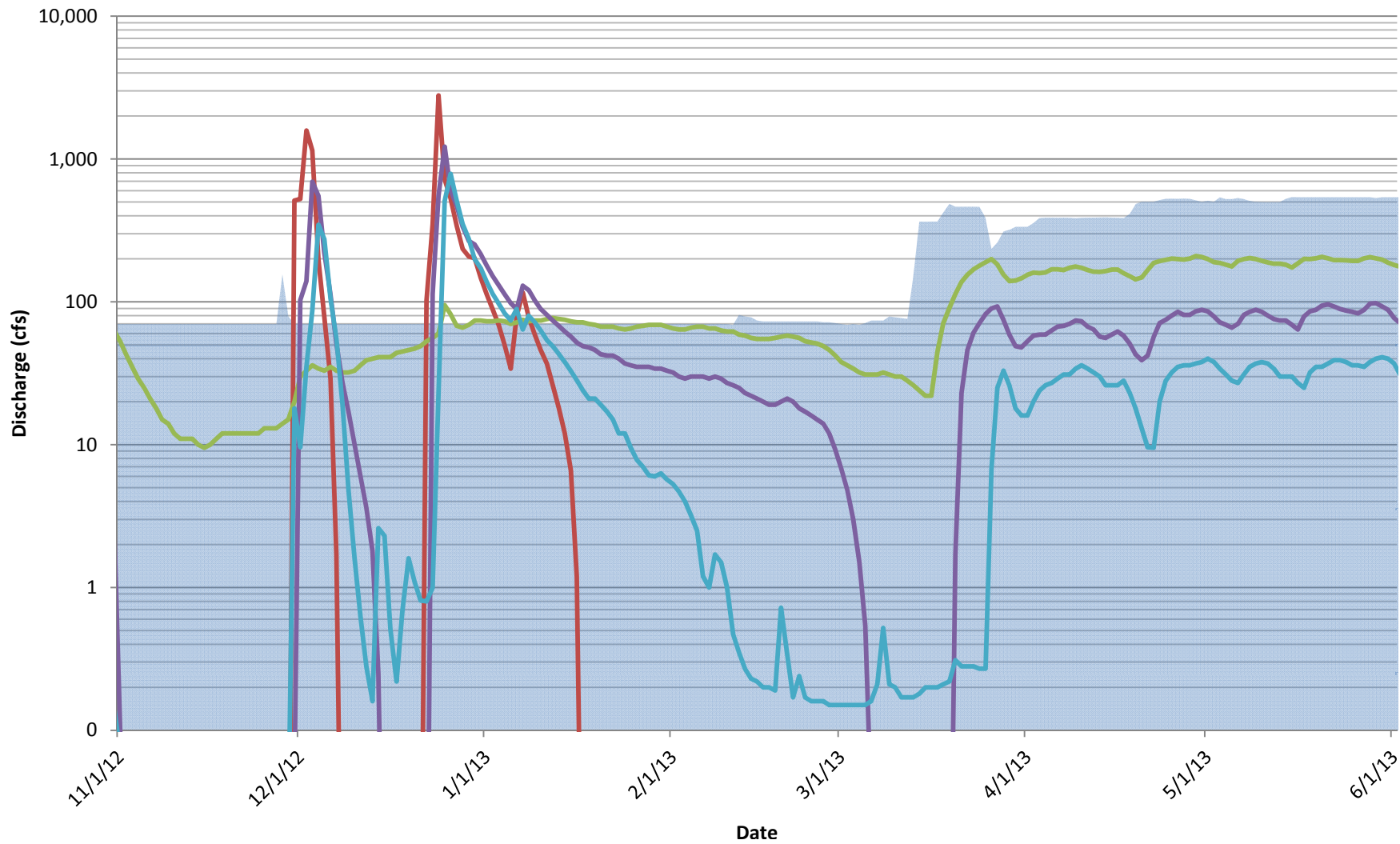
## 2013 SRDF Operations

- SRDF diversions began on April 4<sup>th</sup>
- Releases range from 400 – 500 cfs in April
- Releases averaged 530 cfs in May
- Releases averaged >600 cfs in June, July, August, and September
- Releases averaged 275 cfs in October
- SRDF diversions ended on October 10<sup>th</sup>





### Reservoir Releases and Streamflow Winter 2012-2013

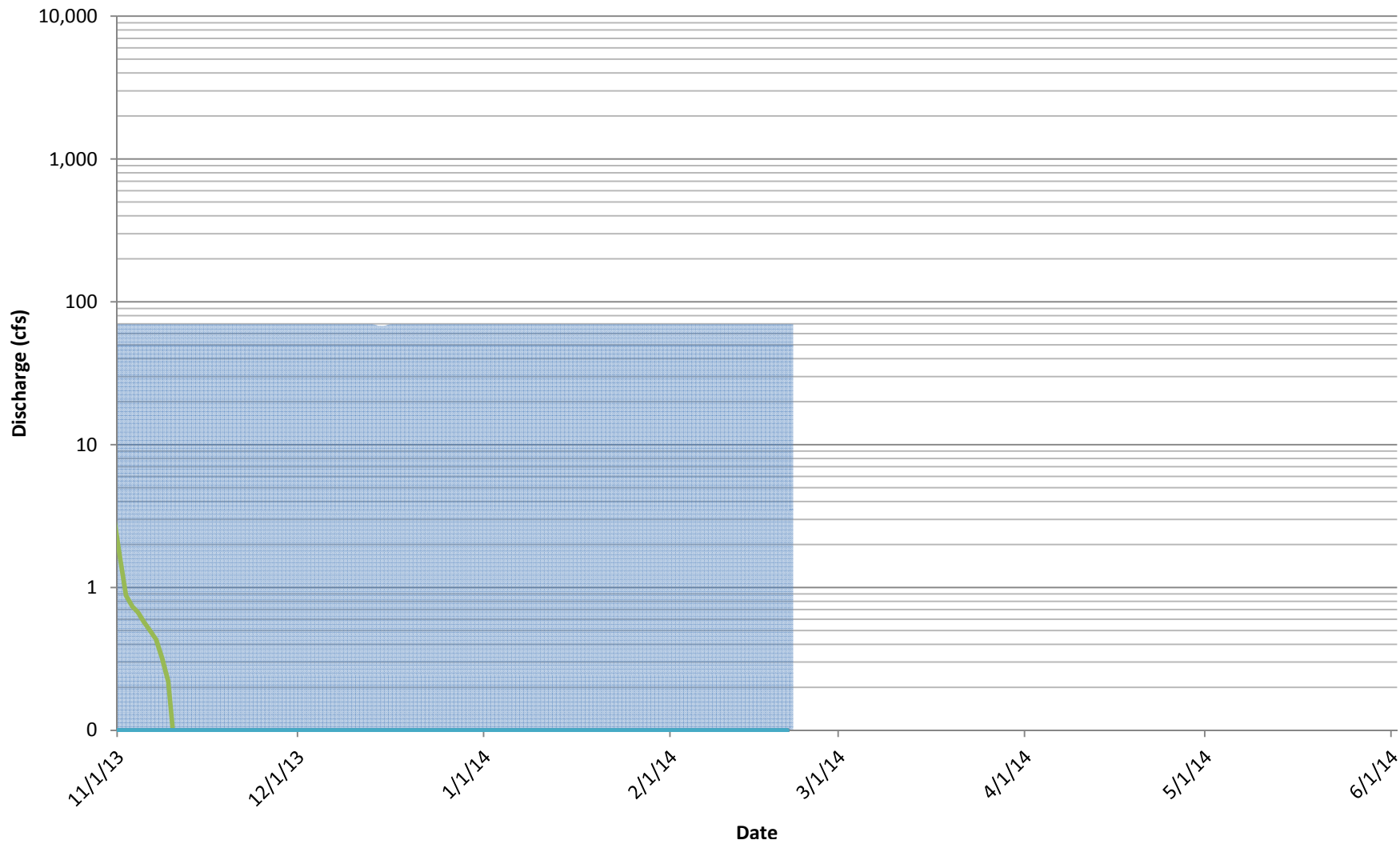


Combined Reservoir Releases    Arroyo Seco below Reliz    Salinas River at Soledad  
Salinas River near Chualar    Salinas River near Spreckels





### Reservoir Releases and Streamflow Winter 2013-2014



Combined Reservoir Releases    Arroyo Seco below Reliz    Salinas River at Soledad  
Salinas River near Chualar    Salinas River near Spreckels



# Discussion (cont.)

## 15 Day Forecast:

**synopsis:** A ridge of high pressure over the West Coast is moving eastward today/tomorrow. By Wednesday, a deep low pressure system will drop out of the Gulf of Alaska and become situated offshore OR. From this location this parent low will develop and then direct impulses toward the West Coast. The first of three impulses will move over the area Wednesday with generally light to moderate rain. The second, stronger system will approach Friday, and enhanced with subtropical moisture will produce moderate, occasionally heavy rainfall into Saturday. The last system will spread light rainfall over the area Thursday. There is no further storm activity expected through March 10th.

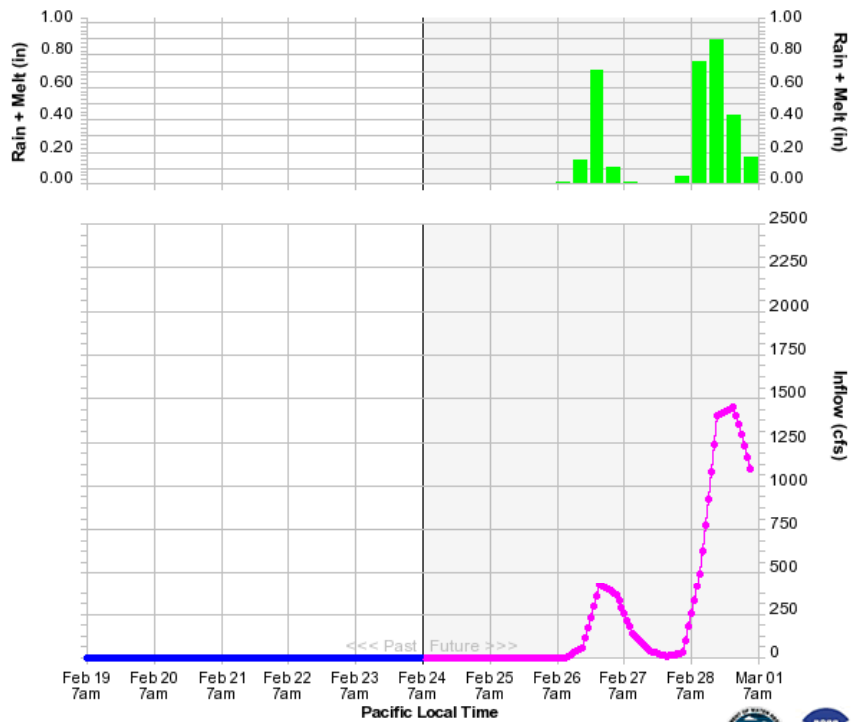




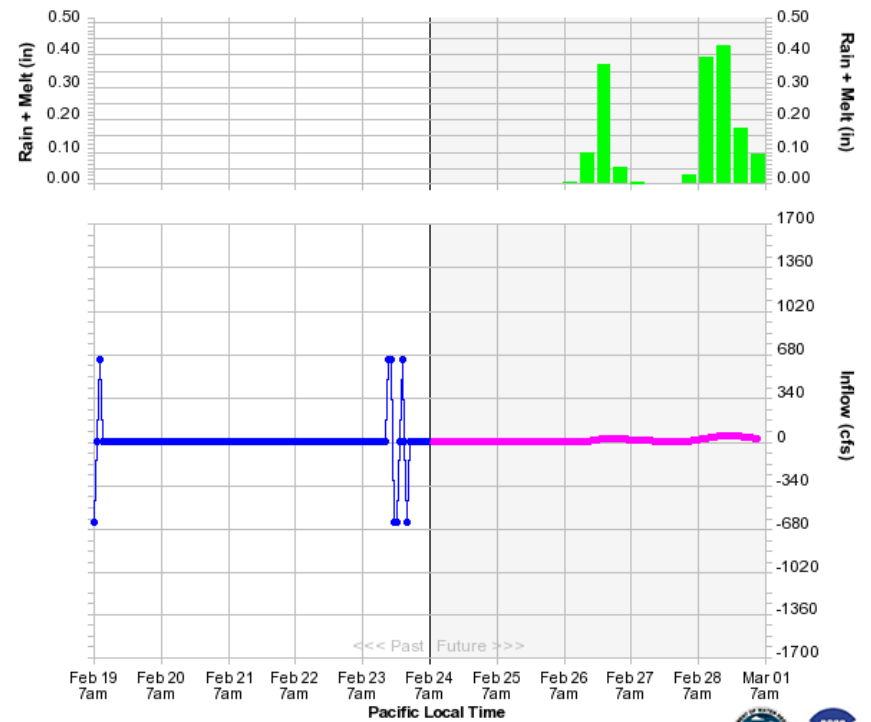
# Discussion (cont.)

Reservoir Inflow:  
Nacimiento Reservoir

San Antonio Reservoir



Observed ● Forecast ● Guidance ● Guidance ●  
FCTime: 1551Z ID: NAACC1  
Created: 02/24/2014 at 7:59 AM PST (Source = C)



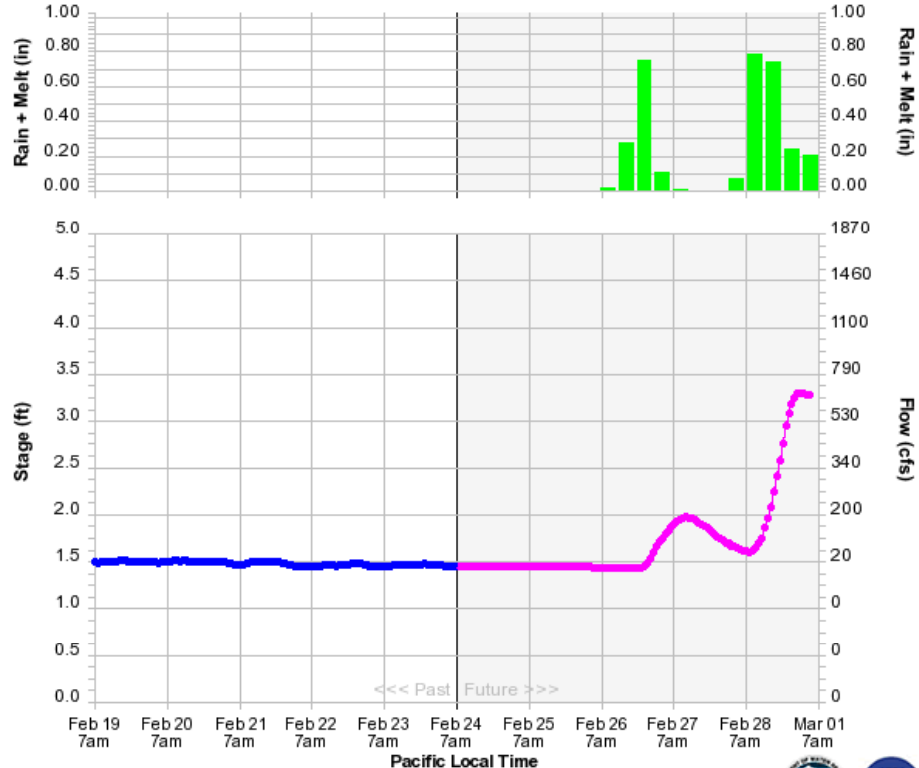
Observed ● Forecast ● Guidance ● Guidance ●  
FCTime: 1551Z ID: SNRC1  
Created: 02/24/2014 at 7:59 AM PST (Source = C)





# Discussion (cont.)

- USGS 111520000 Arroyo Seco Nr Soledad, CA



Observed ● Forecast ● Guidance ●  
FCTime: 1551Z ID: SOLC1  
Created: 02/24/2014 at 7:59 AM PST (Source = C)

California Department of Water Resources  
NWS / California Nevada River Forecast Center



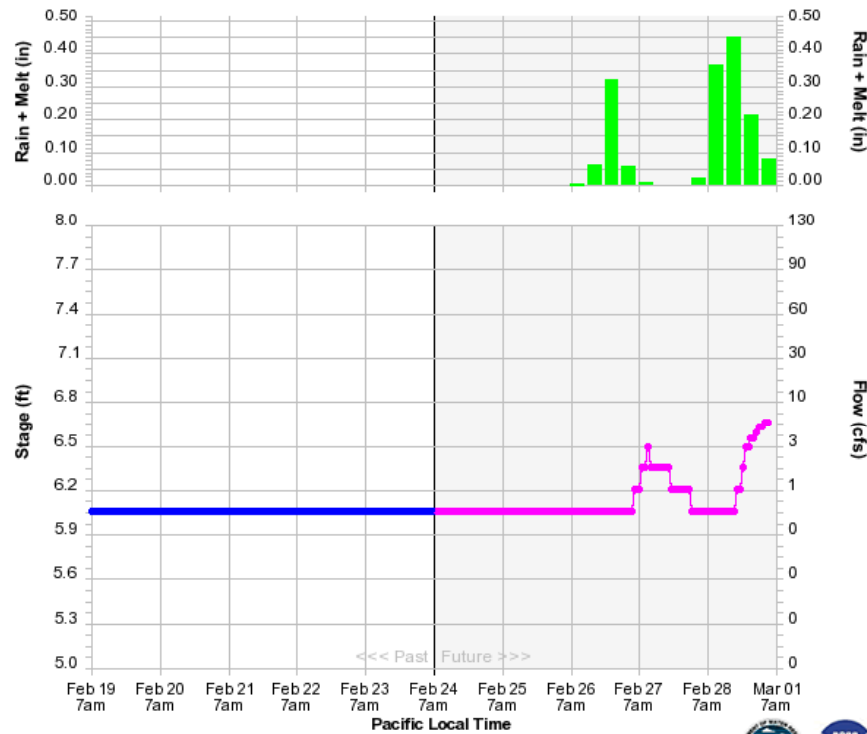




# Discussion (cont.)

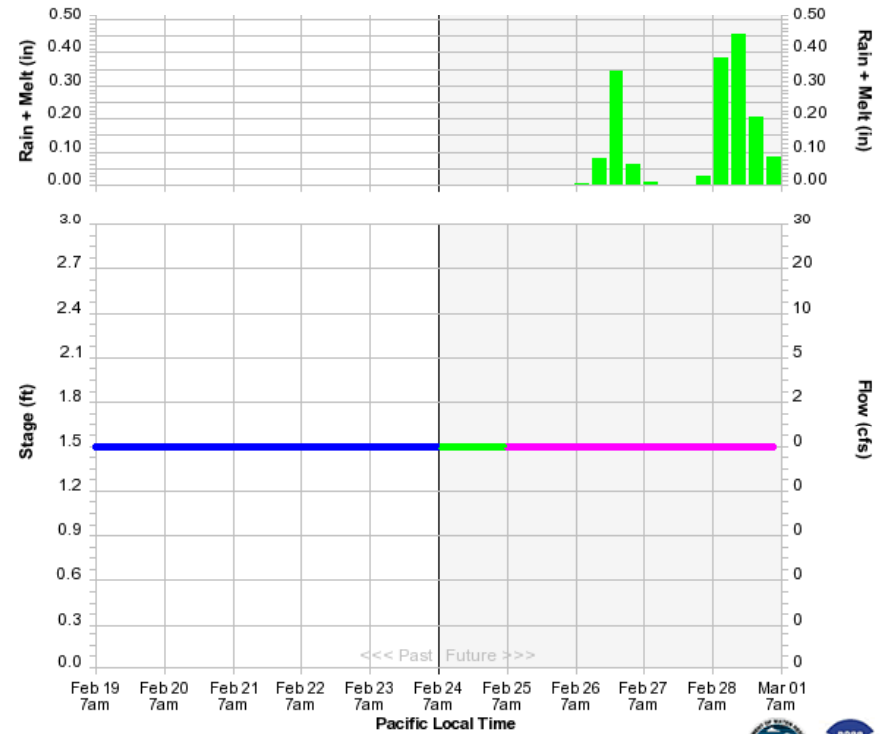
## Salinas River Chualar

## Salinas River Spreckels



Observed ● Forecast ● Guidance ●  
 FCTime: 1551Z ID: SDDC1  
 Created: 02/24/2014 at 7:59 AM PST (Source = C)

California Department of Water Resources  
 NWS / California Nevada River Forecast Center

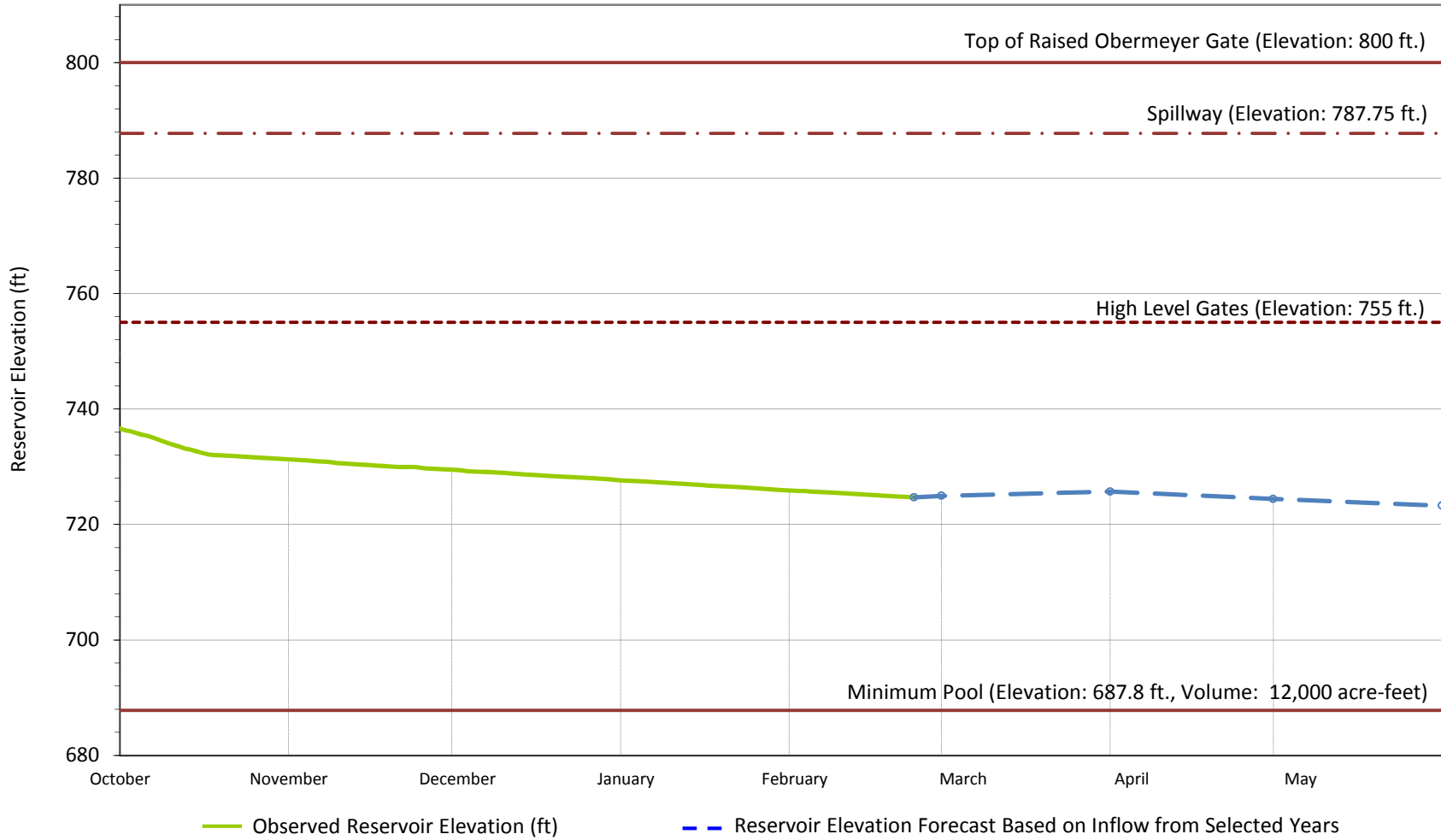


Observed ● Forecast ● Guidance ●  
 FCTime: 1551Z ID: SPRC1  
 Created: 02/24/2014 at 7:58 AM PST (Source = C)

California Department of Water Resources  
 NWS / California Nevada River Forecast Center



Nacimiento Reservoir  
 Elevation, Inflow, and Releases for Winter 2013/2014  
 Based on Rainfall Forecast  
 Forecast Data from Feb. 24 - Jun. 1, 2014

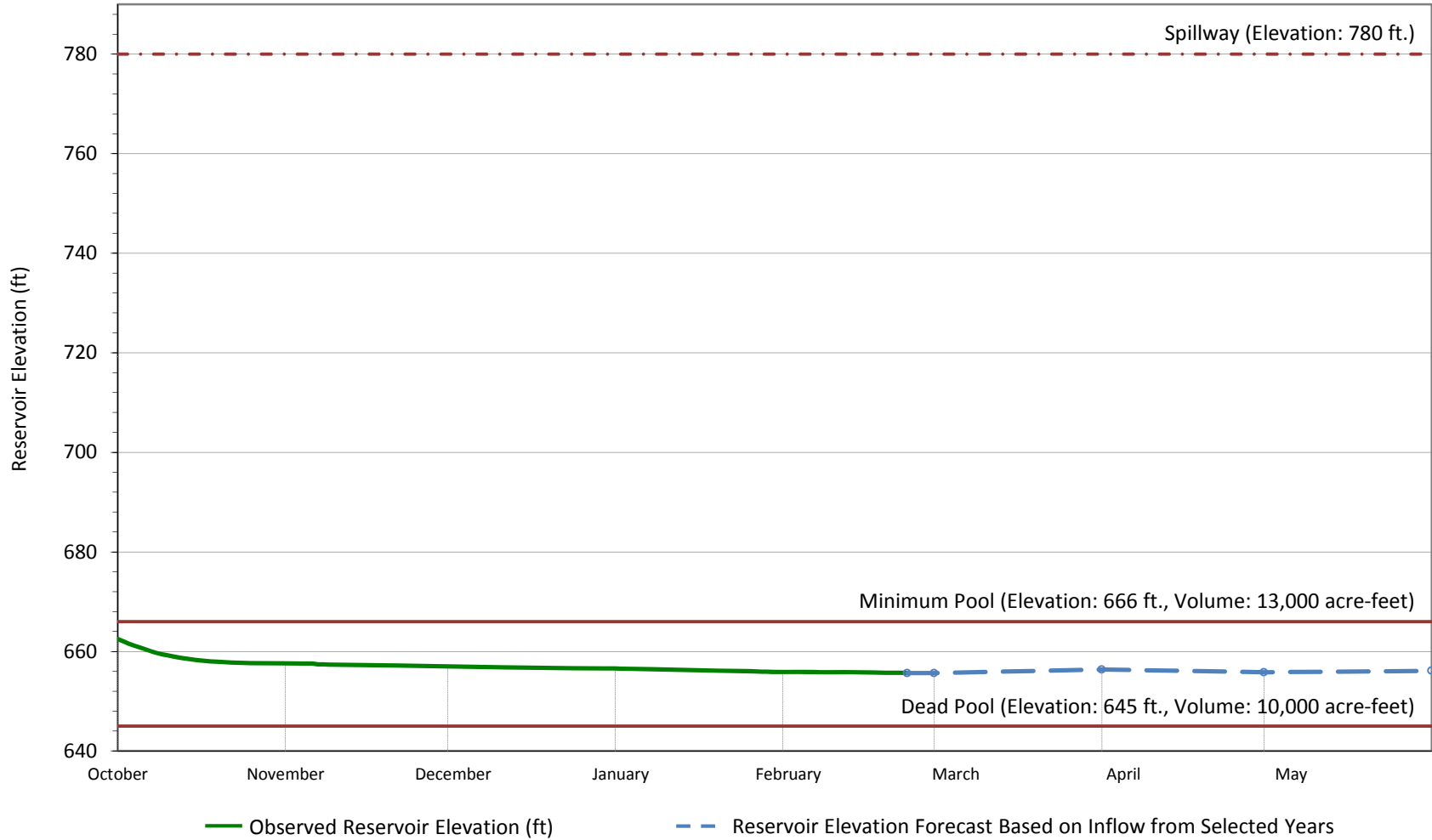


Rainfall Forecast and Water Year Used as Basis for Inflow

February	Based on CNRFC inflow forecast	
March	60% of normal	(WY 1976)
April	65-70% of normal	(WY 1990)
May	75% of normal	(WY 2009)

NOTE - Forecasted elevations are based on minimum fish releases of 60 cfs and a maximum reservoir elevation of 800 ft.

San Antonio Reservoir  
 Elevation, Inflow, and Releases for Winter 2013/2014  
 Based on Rainfall Forecast  
 Forecast Data from Feb. 24 - Jun. 1, 2014



Rainfall Forecast and Water Year Used as Basis for Inflow

February	Based on CNRFC inflow forecast	
March	60% of normal	(WY 1976)
April	65-70% of normal	(WY 1990)
May	75% of normal	(WY 2009)

NOTE - Forecasted elevations based on minimum fish releases of 10 cfs and a maximum reservoir elevation of 780 ft.



# Discussion (cont.)

## SRDF 2014 Strategy

- Based on Pacific HydroMet 4-month outlook
- Limited (possibly none) operational options under dry channel conditions – *Current Channel Status*
- Possible April SRDF Start-Up
  - Assume channel conditions similar to 2013
  - Begin releases on or about March 1<sup>st</sup>
  - Maximum release capacity of 400 cfs on March 1<sup>st</sup>
  - Maximum release capacity of 350 cfs on April 1<sup>st</sup>
  - Operational period of 2 – 4 weeks (best case)
- No reasonable option for SRDF Start-Up After May 1<sup>st</sup>





# TODAY'S ACTION

Provide Direction to Staff on Whether to Attempt Salinas River Diversion Facility (SRDF) Operation for the Period April 1 through October 31, 2014

