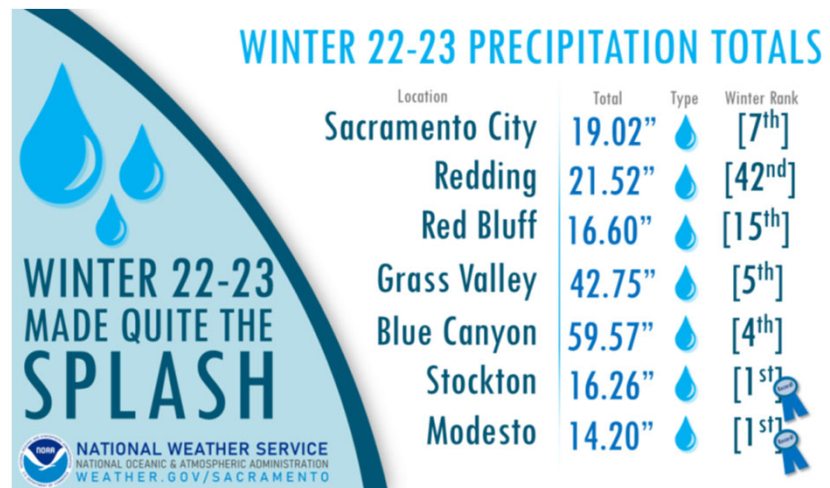


Dec – Jan Winter Storms

1

Agenda

- Preparedness
- Response
- Damages
- Recovery



2

Preparedness

Challenges

- Staff Turnover – Loss of historic and institutional knowledge
- Flood/Drought Cycle
 - Extended time between floods/highwater events
- Multiple Agencies
 - Coordinated Operations & Communications

Opportunities

- Updates to
 - Emergency Operations Plans,
 - Flood Contingency Maps,
 - Regional Flood Management Plans,
 - Stream and Rain Gage Networks,
 - Prepositioned Flood Fight Materials, and
 - GIS Framework

3

Preparedness

Previous Preparedness Efforts

- Lower San Joaquin River RFMP
- Delta FERP Grant Round 1
 - Updates to EOP, Flood Contingency Maps (FCM), Training, Pre-staged material
- Statewide FERP Grants 1 & 2
 - Updates to EOP, FCMs, Training, Pre-staged materials
- Levee and channel maintenance
- USACE Periodic Inspections
- DWR levee inspections
- Multi-county, Delta-wide flood training exercise (November 2022)

4

Preparedness

Ongoing/Upcoming Preparedness Efforts

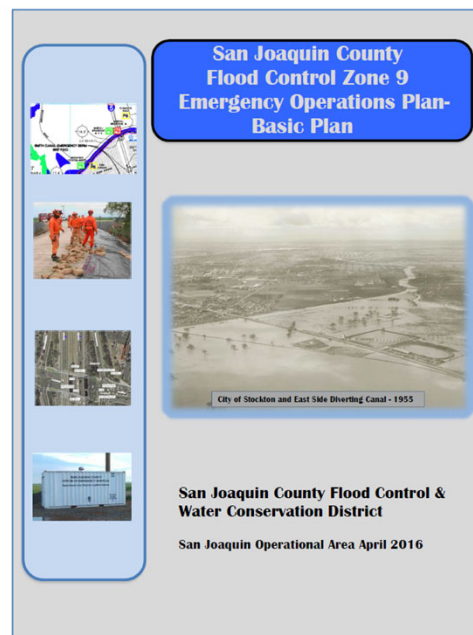
- Delta FERP Grant Round 2 & 3
 - Updates to EOP, FCM, Flood Warning System
- Statewide FERP Grant Round 3
 - Updates to EOP, FCMs, Flood Warning System, GIS Tools
- Lower San Joaquin River RFMP
- Ongoing Levee & Channel Maintenance Program
- USACE Rehabilitation Program (PL 84-99)
- FOC/SJ River Basin Coordination

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Flood Emergency Response

Emergency Roles

- Monitoring & Analyses
 - Water Conditions, Elevations, & Forecasts
 - Identification of heightened threats to levee & drainage system integrity
- Flood Fight Operations
 - Levee patrols
 - Emergency Repairs
 - Erosion
 - Seepage
 - Downed trees
- Engineering Support
 - Responding to public response
 - Coordinating with Ops
 - Tracking, documentation, and assessments



6

Dec-Jan Storm Damages

Mormon Slough

- Erosion
- Slips



7

Dec-Jan Storm Damages

Mormon Slough

- Landside overtopping
- Upstream of Duncan Rd



8

Dec-Jan Storm Damages

Calaveras River
- Downed trees



9

Dec-Jan Storm Damages

Potter Creek
- Bank slippage
- Upstream of Duncan Rd



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Interior/Local Drainage
Acampo



Photo credit: LodineWS.com

11

Interior/Local Drainage
Corral Hollow



Photo credit: Glenn Moore/Tracy Press

12

Interior/Local Drainage

Littlejohn Creek



13

Damages/Recovery

- Overall Damages for Public Works (includes Roads & Utilities)
 - Approximately \$30.1M
- Damagers for SJFCWCD's Channels and Levees
 - Approximately \$26M
 - Majority of which is to Federal Projects (Mormon Slough alone is ~\$21M)
- Does not include economic impacts

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PL 84-99 Process

Levees & Channels MUST go through this process before FEMA will consider them for Disaster Recovery Money

USACE has not opened Rehabilitation Assistance

LMA & CVFPB have sent formal letter to District requesting.

Majority of Levees/Channel damages will be going through this process



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FEMA Disaster Recovery (Public Assistance)

For damages not eligible for other Federal Assistance, Public Assistance Process is how to access Federal Disaster Recovery money.

IF levee/channel damages are deemed ineligible by the USACE under PL 84-99, they can apply for this program AFTER they have been deemed ineligible.

Both PL 84-99 and Public Assistance have local cost share



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Next Steps

- Continue pursuing both FEMA & USACE dollars to assist in damage recovery
- Continue working with State partners for identifying potential solutions for Acampo flooding
- Update Corral Hollow Feasibility Study
- Develop projects/prepare for upcoming HMGP Grant opportunities

- Delta 2/Statewide 3
 - Update EOPs
 - Update FCMs
 - Update/enhance flood warning system
- Document lessons learned
- Training
- Continued Coordination w/ State & Feds for Snowmelt

Challenges

- PL 84-99 not opened by USACE yet
- PL 84-99 / Public Assistance Timing mismatch
- Lingering damages from 2017
- Looming snowmelt

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Backup

18

Continued Threat

- Snowmelt
 - Largest Snowpack on record going back to 1950
- State is forecasting high flows at Vernalis through July.
 - Stages range from approximately 27 – 29.5ft

SI Basin Forecasted Spring Flows (based on April 17th data)

Vernalis Flow (cfs)	April	May	June	July
90% scenario	29000-31000	28000-32000	24000-28000	15000-20000
50% scenario	29000-32000	30000-33000	30000-32000	22000-26000
10% scenario	29000-33000	33000-36000	33000-36000	30000-32000

