COUNTY OF SAN DIEGO

DAM EMERGENCY RESPONSE PLANS

LAURA CURVEY, SENIOR EMERGENCY SERVICES COORDINATOR, OFFICE OF EMERGENCY SERVICES
OVERVIEW

• Historical Planning and Responsibilities
• Current Efforts
• Future Goals
HOW MANY DAMS?

• Dams Within San Diego County: 58

• Dams Outside of San Diego County: 4
  • Rodriguez (Mexico)
  • Skinner Clearwell (Riverside County)
  • Skinner Reservoir (Riverside County)
  • Vail (Riverside County)

Total Dams Within/Affecting our County: 62
DAM OWNERS

- City of San Diego  
  • 14 Dams
- City of Escondido  
  • 2 (Dixon and Wohlford)
- City of Poway  
  • 1 (Poway)
- City of Chula Vista  
  • 1 (Bonita Long Canyon)
- Helix Water District  
  • 2 (Jennings and Cuyamaca)
- Sweetwater Authority  
  • 2 (Loveland and Sweetwater)
- Vista Irrigation District  
  • 1 (Henshaw)
- County Water Authority  
  • 1 (Olivenhain)
- Other Water Districts  
  • 17
- U.S. Marine Corps  
  • 4
- Private Entities  
  • 11
- Miscellaneous  
  • 6
  • Lake Cuyamaca Rec & Park District
  • Palo Verde Ranch Homeowners Assoc.
  • Fallbrook Public Utility District
  • Citizens Development Corporation
  • Santa Fe Community Services District
  • Mexico
# LARGEST DAMS

<table>
<thead>
<tr>
<th>Dam</th>
<th>Acre Feet Capacity</th>
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<tbody>
<tr>
<td>San Vicente</td>
<td>245,000</td>
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<tr>
<td>El Capitan</td>
<td>112,800</td>
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<tr>
<td>Rodriguez</td>
<td>111,070</td>
</tr>
<tr>
<td>Vail</td>
<td>51,000</td>
</tr>
<tr>
<td>Morena</td>
<td>50,206</td>
</tr>
<tr>
<td>Henshaw</td>
<td>50,000</td>
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<tr>
<td>Lower Otay</td>
<td>47,066</td>
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<tr>
<td>Barrett</td>
<td>44,755</td>
</tr>
<tr>
<td>Skinner Reservoir</td>
<td>43,800</td>
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LOCATION OF DAMS
COUNTY OES EMERGENCY RESPONSE PLANNING EFFORTS

- Emergency Response Plans (ERPs) dated back to 1996
- Most recent updates: started in 2017
  - Mapping for alerts, road closures, and unique institutions, shelters finalized in 2018
- Total ERPs completed: 41
DAM EMERGENCY RESPONSE PLANS

Key Areas of Dam Plans

- OES and Law Enforcement Actions
- Pre-Scripted Messaging for:
  - AlertSanDiego (Phone/Email/Text), WEA, and EAS
- Evacuation Routes and Traffic Control Points
- Potential ICPs, Staging Areas and Shelters
- Unique Institutions
  - Hospitals, Schools, SNFs, Retirement Homes, Stadiums/Arenas, etc.
OES RESPONSE ACTIONS

- Public Alert and Warning
- Notify Response Agencies
- OAEOC Activation/Coordination
- Emergency Public Information
OES PLANNING RESPONSIBILITIES

• Development of Dam Emergency Response Plans

• Development of Dam Emergency Response Maps, based on Dam Owners’ Inundation Data
COUNTY OF SAN DIEGO OES CONCERNS WITH DAM FLOWS

- BLUF: Will there be flooding downstream? How much and how quickly will it occur?
- What is the expected volume, and can the drainage system/watershed accommodate that volume?
- How long is it expected to last?
- What is downstream? –ERP
- Homeless populations downstream
CURRENT EFFORTS

• Being available to dam owners working through the EAP process
• Working with water districts on how to meet their annual requirements without overwhelming our office or County Sheriff dispatch.
• Coordinate with Cal OES to obtain updated and available inundation maps
FUTURE EFFORTS

• Continue to work with Cal OES to improve our coordination
• Coordinate with NWS on alert and warnings
• Create ERP’s for remaining dams in our region
THANK YOU

Questions?