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?

<table>
<thead>
<tr>
<th>Description</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dams Within San Diego County</td>
<td>58</td>
</tr>
<tr>
<td>Dams Outside of San Diego County</td>
<td>4</td>
</tr>
<tr>
<td>• Rodriguez (Mexico)</td>
<td></td>
</tr>
<tr>
<td>• Skinner Clearwell (Riverside County)</td>
<td></td>
</tr>
<tr>
<td>• Skinner Reservoir (Riverside County)</td>
<td></td>
</tr>
<tr>
<td>• Vail (Riverside County)</td>
<td></td>
</tr>
<tr>
<td>Total Dams Within/Affecting our County</td>
<td>62</td>
</tr>
</tbody>
</table>
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>
</tr>
</thead>
<tbody>
<tr>
<td>San Vicente</td>
<td>245,000</td>
</tr>
<tr>
<td>El Capitan</td>
<td>112,800</td>
</tr>
<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>
</tr>
<tr>
<td>Lower Otay</td>
<td>47,066</td>
</tr>
<tr>
<td>Barrett</td>
<td>44,755</td>
</tr>
<tr>
<td>Skinner Reservoir</td>
<td>43,800</td>
</tr>
</tbody>
</table>
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
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.
DAM PLANNING APPLICATION
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?