“The views, opinions and findings contained in this report are those of the authors(s) and should not be construed as an official Department of the Army position, policy or decision, unless so designated by other official documentation.”
## Reservoir Inflow Comparison: 2018 vs 2017

<table>
<thead>
<tr>
<th>Project</th>
<th>2018</th>
<th>2017</th>
<th>Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black Butte</td>
<td>102,000 ac-ft</td>
<td>884,000 ac-ft</td>
<td>12%</td>
</tr>
<tr>
<td>Englebright</td>
<td>1,700,000 ac-ft</td>
<td>5,300,000 ac-ft</td>
<td>32%</td>
</tr>
<tr>
<td>Isabella</td>
<td>440,000 ac-ft</td>
<td>1,860,000 ac-ft</td>
<td>24%</td>
</tr>
<tr>
<td>Terminus/Kaweah</td>
<td>255,000 ac-ft</td>
<td>999,000 ac-ft</td>
<td>26%</td>
</tr>
<tr>
<td>Success</td>
<td>62,000 ac-ft</td>
<td>364,000 ac-ft</td>
<td>17%</td>
</tr>
<tr>
<td>Pine Flat</td>
<td>1,270,000 ac-ft</td>
<td>3,990,000 ac-ft</td>
<td>32%</td>
</tr>
</tbody>
</table>
CONTINUING WATMAN EFFORTS

- Conducting reservoir operator trainings
- Maintaining, repairing, and replacing instrumentation
- Updating and calibrating CWMS models
Folsom Dam and Lake WCM Update

- Joint Federal Project (JFP) – new auxiliary spillway increases release capacity
- Forecasted inflow volumes determines:
  - Flood control space requirement
  - Stepped release schedule
- Projected approval – February 2019
NOTEWORTHY PROJECTS

Isabella Dam – Dam Safety Modification Project

Construction Phases

- Main Dam: 16 ft. raise, filters/drainage
- Service Spillway
- New Emergency Spillway/Labyrinth Weir
- Auxiliary Dam: 16 ft. raise, filters/drainage, downstream buttress

Isabella Dam and Lake
Success Reservoir Enlargement Project

- Widen spillway and raise it 10 feet
- Increase storage from 84,000 ac-ft to 110,000 ac-ft
- Improved level of protection – 1/49 to 1/100 event
- Design to be completed in 2020
FUTURE EFFORTS

• Updating water control manuals
• Replacing instrumentation
• Adapting to changing workforce (upcoming retirements)
• Stagnant or decreasing budget
QUESTIONS?