



East Lemmon Valley Hydrographic Basin

- **Previous direction received from the BCC**
- **Status**
- **Current activities**
- **Options to consider**
- **Direction discussion/next steps**



Previous Direction Received from the BCC

- **Continue flood response activities initiated in March 2017**
- **Initiate the development of a Closed Basin Flood Response Plan**
- **Initiate a Closed Basin Flood Mitigation Plan**
- **Pursue the application for a Federal Emergency Management Agency Hazard Mitigation Grant Program (HMGP)**



Status

- **Continue flood response activities initiated in March 2017**
 - Ongoing efforts to operate and maintain the protections put into place in 2017
- **Initiate the development of a Closed Basin Flood Response Plan**
 - Closed Basin Flood Response Plan has been completed
- **Initiate a Closed Basin Flood Mitigation Plan**
 - Consultant engineer has been engaged and has begun the update of the Regional Hazard Mitigation Plan to include Closed Basin Flooding
- **Pursue the application for a Federal Emergency Management Agency Hazard Mitigation Grant Program (HMGP)**
 - Application is in the final stages of submission



Current Activities

- Continue maintenance of existing temporary flood barriers
- Additional barriers – addressing rising waters along the unprotected section of Pompe Way
 - Installation of water filled bladder system
- Continue response to storm water impacts as weather dictates
- Continue additional Sewer Treatment Plant protections
 - Includes oversight and coordination with NDEP
- Relocation of barrier system to Lemmon Drive to re-open the roadway from February lake rise
- Work with State partners on applications for the HMGP
- Coordinate work by City of Reno around Silver Lake to address potential impacts to County residents

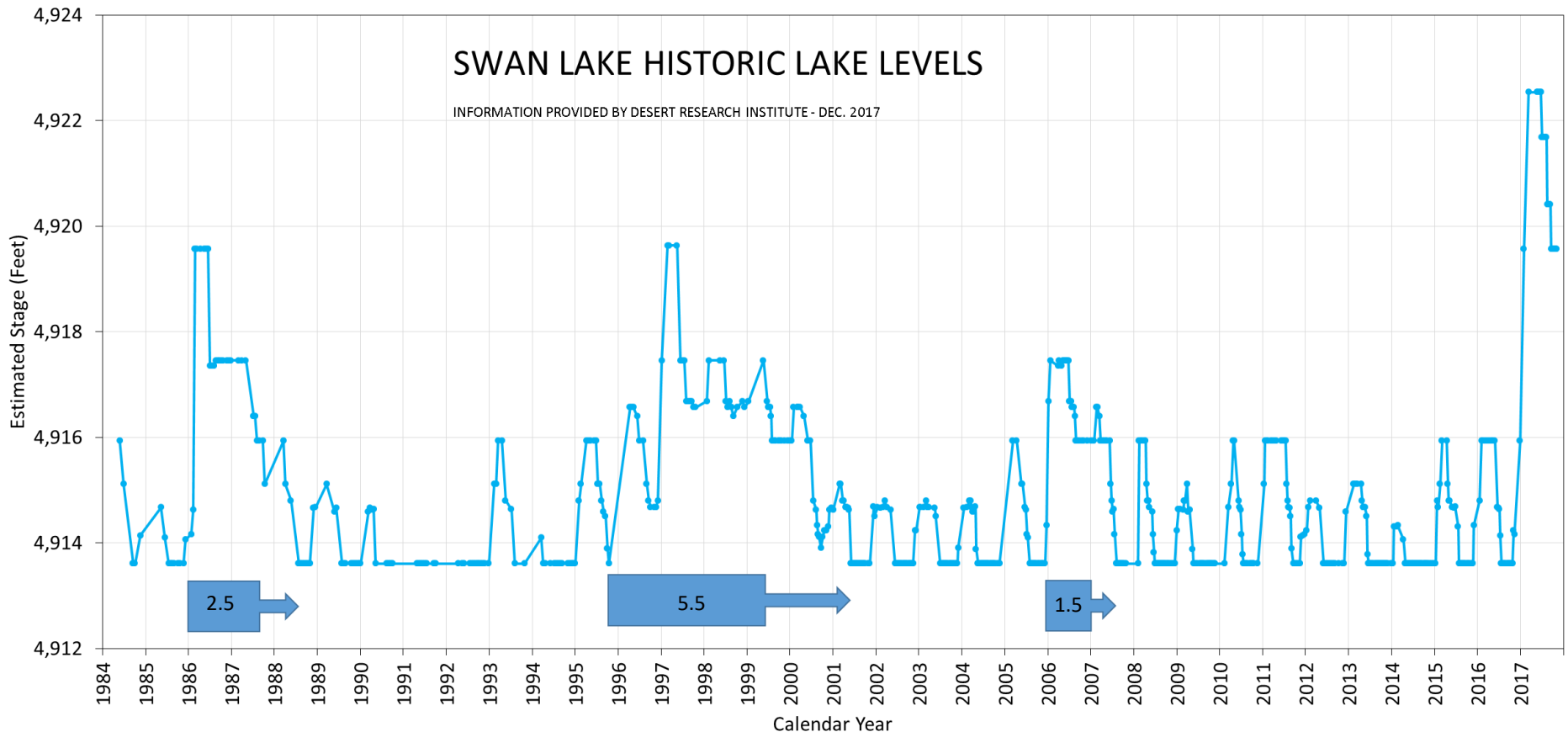




Historic lake elevations

SWAN LAKE HISTORIC LAKE LEVELS

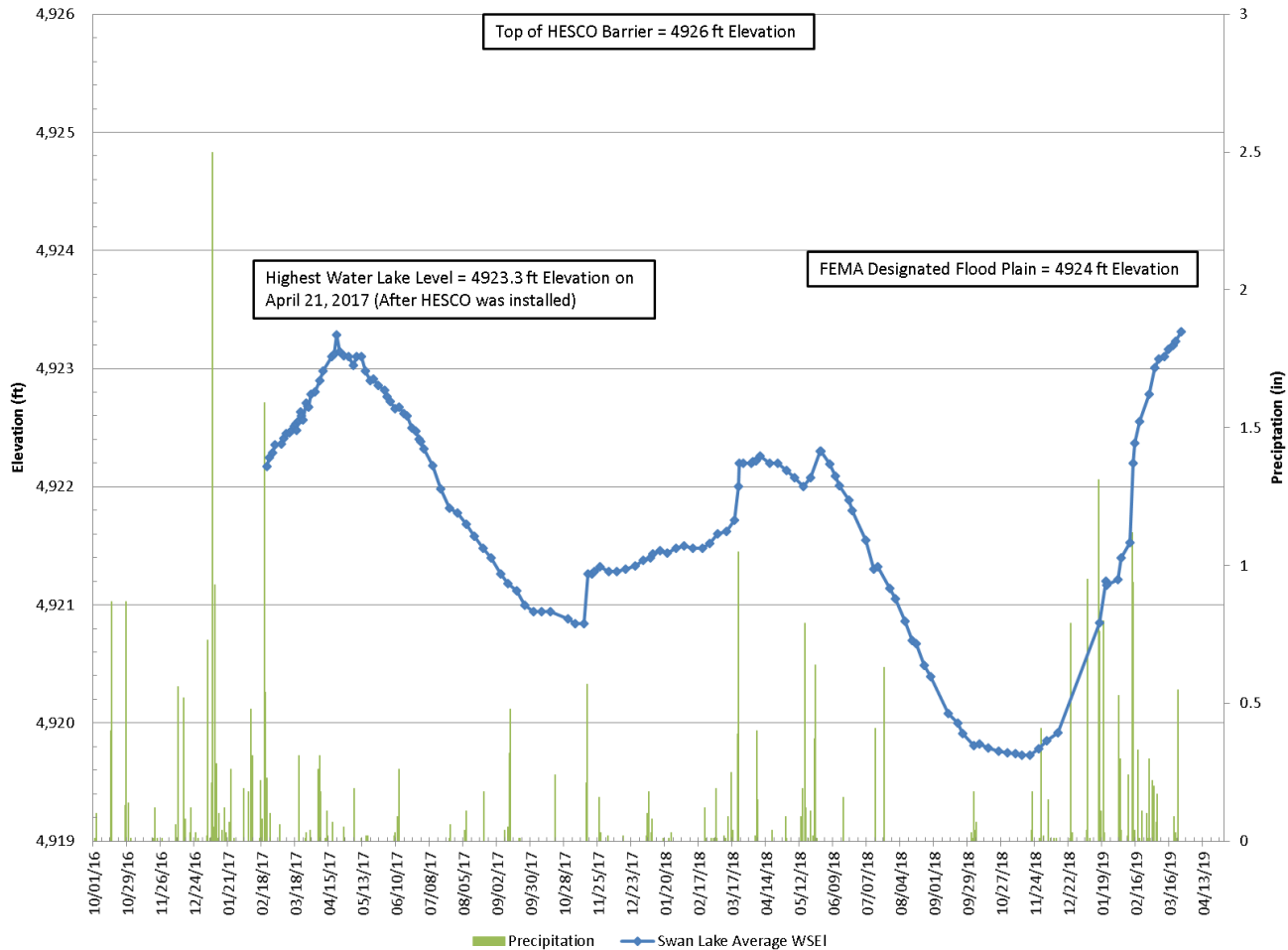
INFORMATION PROVIDED BY DESERT RESEARCH INSTITUTE - DEC. 2017





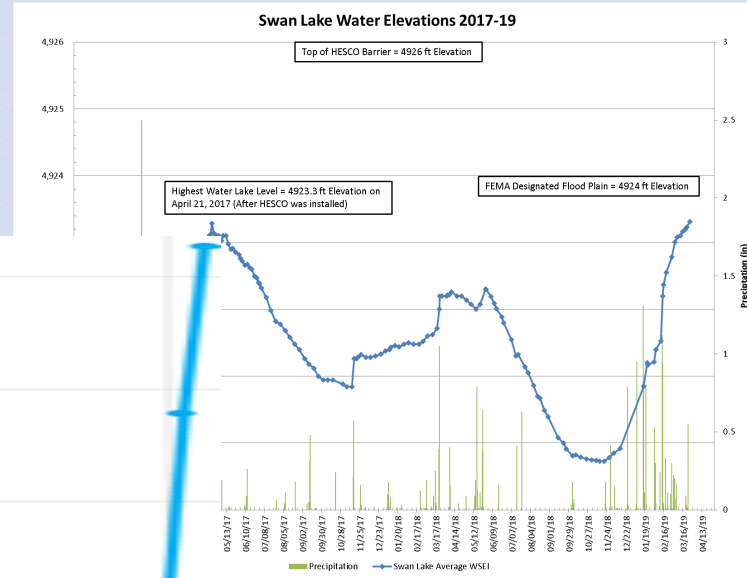
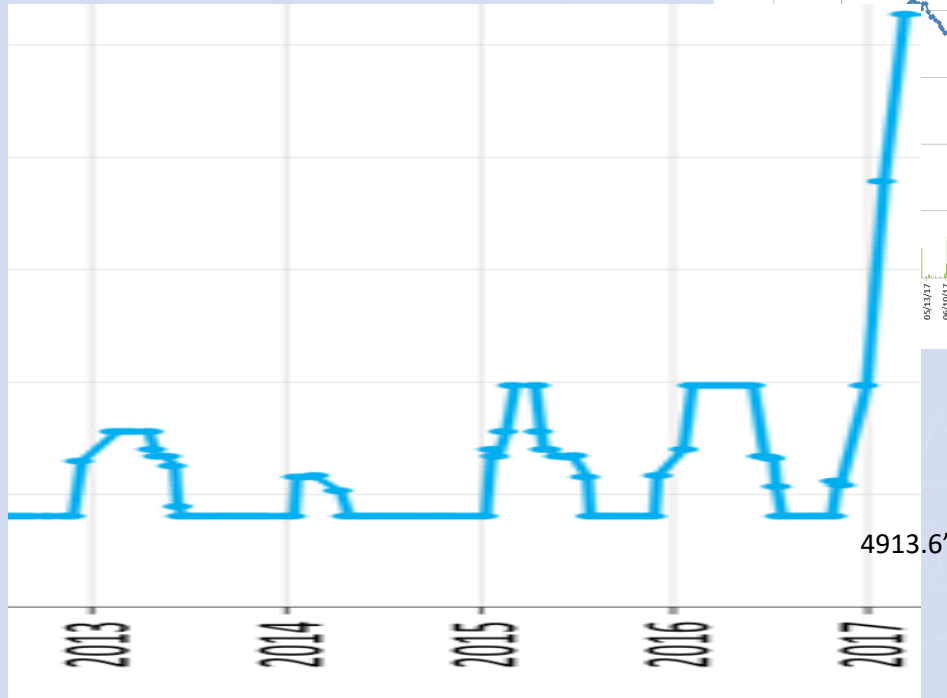
2017 event continued data collection

Swan Lake Water Elevations 2017-19





2017 event continued data collection





Options to Consider

- **Need policy direction so we can define the appropriate sustainable long term recommended solution**
- **Necessary because not all variables are known**
 - **Example: Can anyone tell me how many apples I can buy if they cost \$0.45 each?**
- **Information to be vetted with Hazard Mitigation Plan engineers**
- **Plan to be brought back to the BCC which will include elements and their benefits, potential funding strategy/source, and schedule for completion**



Options to Consider

- **Contain Swan Lake within a boundary created by Lemmon Drive on the east and north, Pompe Way to the west, and Lear Boulevard to the south**
- **Manage Swan Lake at an elevation to keep water off private property**
- **Allow Swan Lake to rise and fall with no interference**



Discussion

- **Discussion**
- **Direction**
- **Next Steps**