



# Phoenix Lake Preservation and Restoration Project Update

September 18, 2020

TUD is pleased to report that great progress has been made on the project. To date, over 160,000 cubic yards of sediment has been removed from the reservoir. Vast portions of the lake bottom have been deepened and carved while water quality berms have been constructed to channelize water and improve circulation within the lake. Portions of Chicken Creek and Sullivan Creek have also been re-aligned and armored with rock and grout to prevent the creeks from migrating back to their original positions. Most importantly, the sediment capture basin on the north side of the lake has been completed. Without that basin, sediment would continue to accumulate throughout the reservoir and over time the lake would deteriorate to its former condition. The basin is critical to the on-going preservation of the lake.

Steve Manning Construction, Inc. (SMC) and the District have faced many obstacles throughout the project. Groundwater has made soil excavation difficult and sometimes dangerous. SMC installed over 67 dewatering wells and an elaborate system of pumps to continuously discharge water from the construction area. The pumps operated for weeks on-end and were critical to ensure equipment could access the interior of the lake and load sediment into trucks for removal.

Despite, extensive efforts to dewater the reservoir, there were portions of the reservoir the Contractor was unable to access due to unstable soil conditions. One area in particular is the portion of the reservoir visible from Phoenix Lake Road and in front of Lori Lane. This portion of the lake, known as the east basin, contained too much water despite numerous efforts to remove the sediment. The District's design and construction team is analyzing alternative strategies to improve that portion of the reservoir next year.



In the meantime, residents may have noticed that TUD has begun filling the reservoir in advance of the annual PG&E water supply interruption otherwise known as the "annual ditch outage". TUD has directed the Contractor to vacate the reservoir to allow enough time for approximately 300 acre-feet of water to be stored in the reservoir. This water is needed to supply the community with water during the upcoming annual ditch outage planned for October 18 – 25, 2020.



TUD is grateful for the community's ongoing support, cooperation, and patience throughout the project. As appropriate, TUD will be providing information regarding planned future construction activities at the lake. If you have any additional questions related to the project, please contact Gaddiel DeMattei, TUD Associate Engineer, at 532-5536 ext. 519 or [gdemattei@tudwater.com](mailto:gdemattei@tudwater.com).