

Reservoir Dead Storage

May 2015
(Abridged July 2015)

OVERVIEW

Dead Storage is defined with one of the following criteria:

- Storage in a reservoir at its lowest outlet elevation (if the lowest outlet elevation meets minimum water treatment plant production)
- Storage in a reservoir above its lowest outlet elevation to achieve the minimum water treatment plant production

Dead storage for each of EBMUD's water supply reservoirs are summarized in Table 1. A schematic of dead storage in relation to the reservoir outlet towers is shown in Figure 1.

Table 1. Water Supply Reservoir Dead Storage Overview

RESERVOIR	DEAD STORAGE LEVEL	DEAD STORAGE VOLUME	LIMITATION
Pardee	395 feet	11,400 AF	Pardee Tower lowest gate
Camanche	105 feet	500 AF	Camanche Dam lowest outlet
Briones	382 feet	20 AF	Briones Tower lowest gate
San Pablo	255 feet	6,300 AF	Sobrante Tower lowest gate is 219 feet. SobWTP minimum production.
Upper San Leandro	414 feet	13,500 AF	USL Tower lowest uncovered gate is 414 feet
Chabot*	198 feet	3,000 AF	Chabot Tower lowest gate
Lafayette*	384 feet	50 AF	Lafayette Tower lowest gate

*Chabot and Lafayette Reservoirs are emergency supplies only and do not currently have infrastructure to deliver water to the EBMUD service area. Instead of the dead storage values shown, some may consider the entire, actual reservoir volume as dead storage.

Figure 1. Outlet Tower Gate Elevations

