

MMWD WATER SUPPLY AND DEMAND

We have 7 reservoirs - Total potential potable water storage capacity = 79, 566 acre feet

Maximum storage capacity of the 5 reservoirs we USE = 68, 583 acre feet

Kent	32,895 a.f.
Alpine	8,891 a.f.
Bon Tempe	4,017 a.f.
Lagunitas	350 a.f.
Nicasio	22,430 a.f.

Maximum storage capacity of the 2 UNUSED reservoirs = 10, 983 acre feet

Soulajule	10,572 a.f. (last used 20 yrs. ago '90)**
Phoenix	411 a.f. (last used 17 yrs. ago '93)

Water use in 2009 by MMWD customers : 33% of all 7 reservoirs* = 26, 372 acre feet
: 38% of 5 USED reservoirs!

The other 67% (53,194 a.f.) should readily cover us in the event of drought or less rain (we have increased our water supply by 26, 000 a.f. ** since the last drought (70's) and climate change experts predict 5% more rain in Marin.

It also provides ample margin for required release to support fish average 12, 550 a.f. (Average 6750 a.f. from Kent and 5800 a.f. from Soulajule reservoirs = 15.8% of maximum storage capacity of 7 reservoirs.)

Current drinking water use and water for fish = less than 50 % of potential reservoirs.***

The existing contracted Russian River water is guaranteed.

However most of the 6-7000 a.f. of water used could be replaced from the UNUSED reservoir water (potential 5183 a.f.) and surplus in the used reservoirs.

Our conservation budget this year was cut in half while expenses continue for pursuit of desal. If the desal money were redirected toward conservation and efficiency suggested in the best management practice recommendations of the 'Sustaining Our Water Future' Report and additionally toward new approaches being supported by other water districts such as rainwater harvesting (catchment) and greywater use, we would experience even greater water use and energy savings while sustaining our quality of life and financial resources.

*MMWD On The Waterfront (January/February 2010)

** Soulajule Reservoir was not built yet and available in drought of '76-'77 and Kent wasn't expanded until '82. (Total 26, 000 a.f.)

*** There will be some water loss from evaporation and groundwater seepage

March 6, 2010