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**From:** Natural Desal [NaturalDesal@att.net]  
**Sent:** Monday, May 11, 2015 5:07 PM  
**To:** Satkowski, Rich@Waterboards; Mizell, James@DWR; [Amy.Aufdemberge@sol.doi.gov](mailto:Amy.Aufdemberge@sol.doi.gov)  
**Subject:** 7,000,000 Acre feet of fresh water can be added in 2015 for California

7 Million Acre Feet (MAF) can be added in 2015 if we simply install “**Benicia Flow Management Gates**” at the base of the **Benicia / Martinez bridge**.

35 MAF in wet years and 7 MAF in dry years to save the Delta, environment, cities and farmers too. FYI... 7 MAF = 2.28 trillion gallons

## We can fix our water shortage now!

**Benicia Flow Management Gates** – **Not** a dam, barrier or locks stopping all flow of water. Always an open section to allow boats and aquatic life to **FREELY** travel in and out of each zone. Gates would keep the **Fresh Delta** water separated from the **Salty Bay** water and stop salt water incursion by limiting the flow of fresh water out of the area. 1.3 MAF is needed to naturally keep the salt water out of the Delta and in the Bay, which in dry years 7 MAF goes to the bay and 5 MAF is to be exported south. This is much better than simply releasing more water from the reservoirs in the north to keep the salinity back and help the aquatic life. This would keep the Delta at closer to the high tide water level constantly with slower moving flows which will help the levies last longer. **Most important** benefits would be that more water can flow from the north Sacramento River naturally through the Delta to the pumps in Tracy for more usable water availability.

**Benicia Bridge** - added gates to the base of bridge supports. Most of the work has already been done! Wow! This turns the Suisun Marsh and Delta is to Fresh water reservoirs, but more importantly it makes the Delta healthier for fish and other aquatic life while allowing more water to flow south. The Co-Equal goal: → <http://tinyurl.com/kno3ugg>

**Positive Environmental Benefit** – No adverse environmental problems, because the water way is never blocked. This helps the aquatic life in the Delta at the same time allowing less water to be required to be release to keep the salt water back.

<http://tinyurl.com/punsotf> ← 1931 DWR study of Barriers in bay. (pg. 39 states 1.3 MAF needed to hold back salt waters naturally without locks. Dry years have 7 MAF going to bay and 43.4 MAF in wet years. <http://tinyurl.com/l3npwmg> )

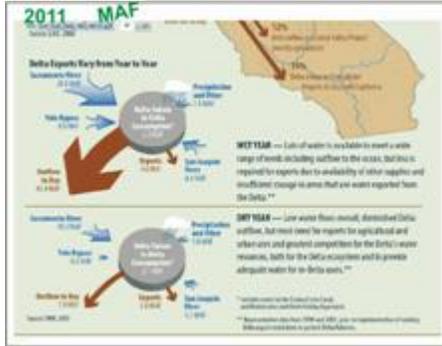


The Benicia Bridge cost 1.3 billion, it should not cost that much to add gates between the support columns. But even if it did cost that much or more, it is well worth the investment to add Millions of Acre Feet of FRESH water for all to enjoy.

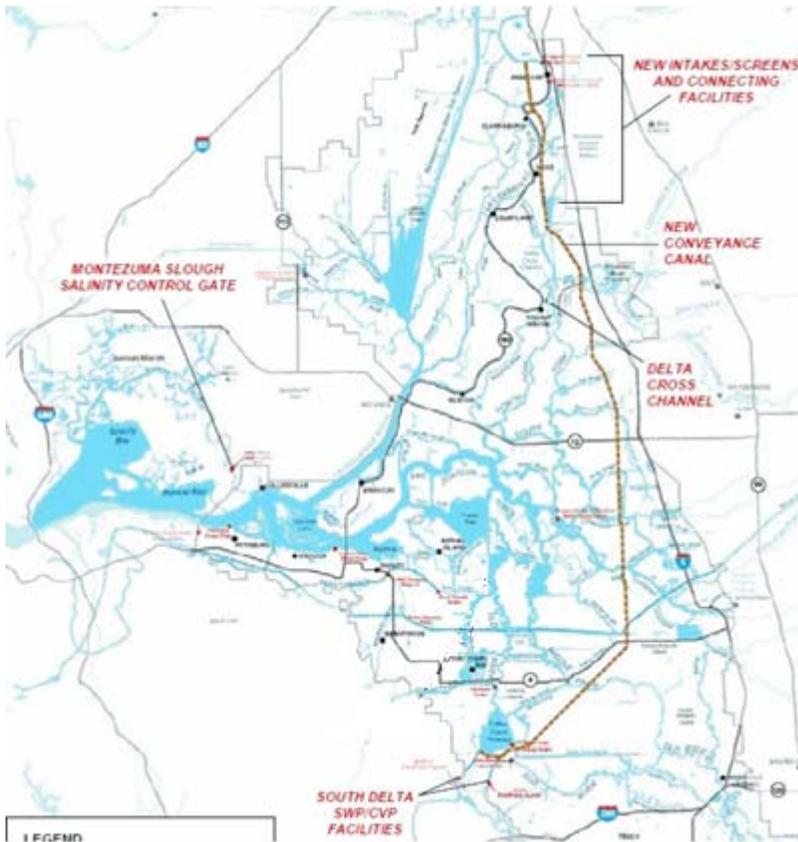
We have the Reservoir capacity now (if you do not think so ask your selves when was the last time the water was required to be spilled over the dams?)

Hot water can KILL fish – but we just need to give the fish COOL rest stops along their journey – adding deep pools of water in the rivers for fish to cool down and rest on those hot summer days. This is what nature does and we can shade these pools too if needed like a big oak tree that nature would put near the river. Sure we can let out more water to combat the Hot water issue too, but in low water years lets think naturally and make the pools for the long term so we can release less water just to keep the fish from being cooked in the water.

<http://tinyurl.com/l3npwmg>

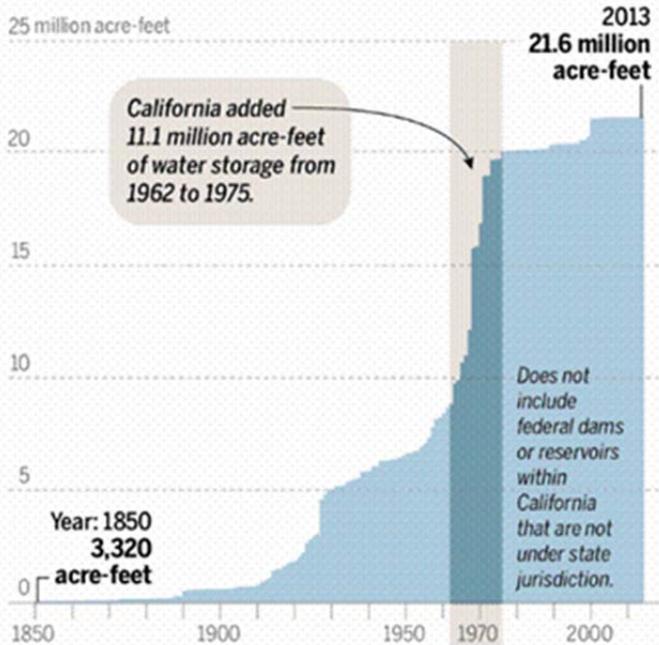


[http://deltarevision.com/maps/conveyance-canals/bdcp\\_ch3\\_facilities.jpg](http://deltarevision.com/maps/conveyance-canals/bdcp_ch3_facilities.jpg)



## Water surface storage in California

The state of California has jurisdiction over more than 1,400 reservoirs.



Source: California Division of Safety of Dams **MICHELLE GILCHRIST • U-T**

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Please feel free to contact me for more details on any or all of the above options.

Joseph Rizzi  
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