

County Fall '04 - '15	Deep Wells (Max decrease gwe)	Deep Wells (Avg. decrease gwe)**
Butte	-20.6 (-12.7)*	-12.8 (-10.5)*
Colusa	-87.3 (-59.5)*	-35.0 (-59.5)* (only 1 well was monitored in 2014)
Glenn	-89.9 (-79.7)*	-40.1 (-44.3)*
Tehama	-44.0 (-34.6)*	-11.6 (-10.9)*

County Fall '04 - '15	Intermediate Wells (Max decrease gwe)	Intermediate Wells (Avg. decrease gwe)**
Butte	-26.0 (-23.0)*	-12.9 (-9.4)*
Colusa	-125.4 (-40.6)*	-32.4 (-22.6)*
Glenn	-58.0 (-57.2)*	-26.7 (-25.0)*
Tehama	-35.9 (-30.2)*	-13.6 (-12.4)*

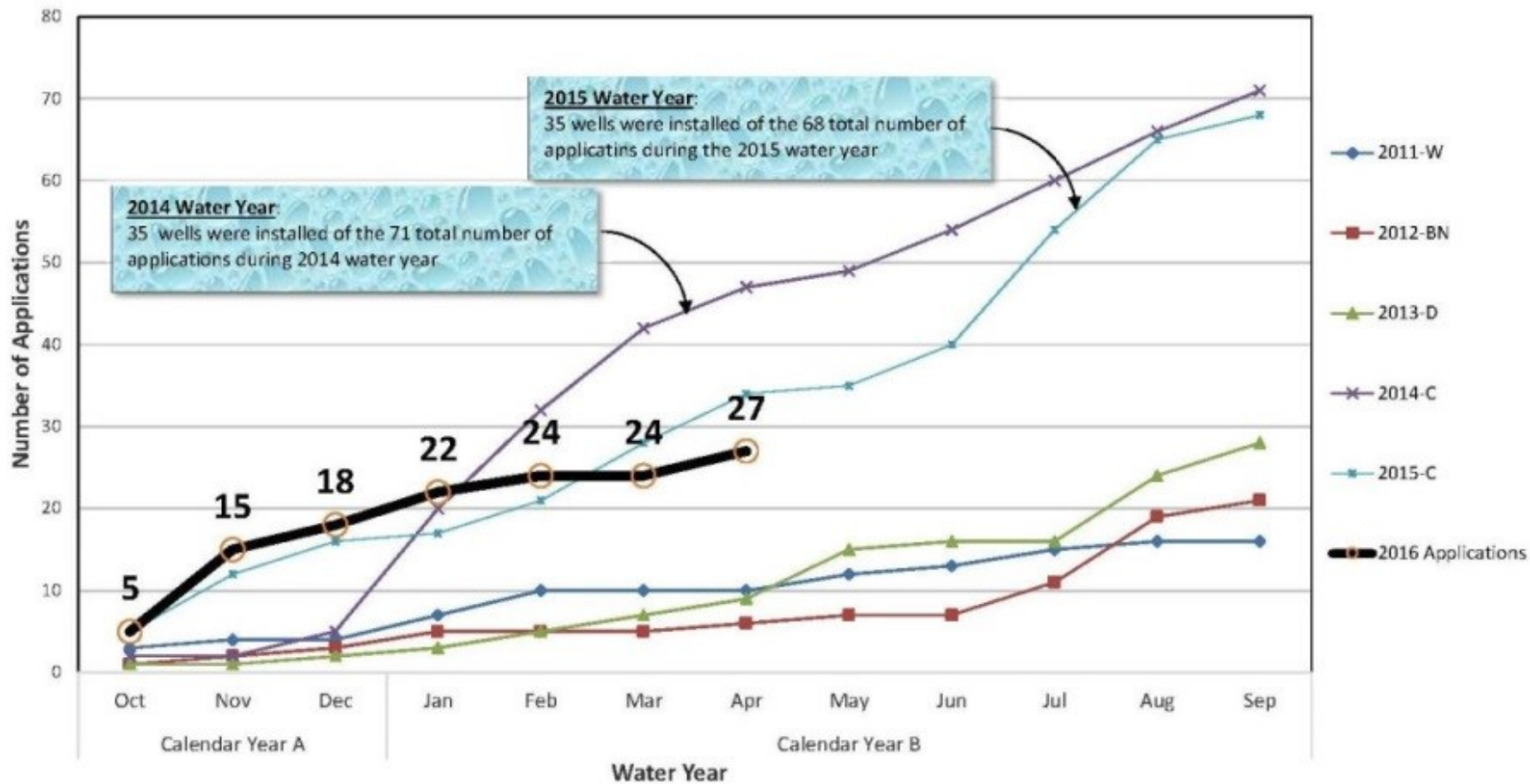
County Fall '04 - '15	Shallow Wells (Max decrease gwe)	Shallow Wells (Avg. decrease gwe)**
Butte	-19.2 (-17.6)*	-8.0 (-5.9)*
Colusa	-51.4 (-36.7)*	-10.5 (-7.6)*
Glenn	-58.0 (-53.5)*	-15.8 (-15.1)*
Tehama (Sac Valley basin)	-34.1 (-30.2)*	-11.1 (-9.5)*

\* 2004-2014 monitoring results are in parentheses for comparison with 2015 results.

\*\* Some average well depth numbers are not accurately comparable between 2004-2014 and 2004-2015 due to a change in the number of wells monitored.

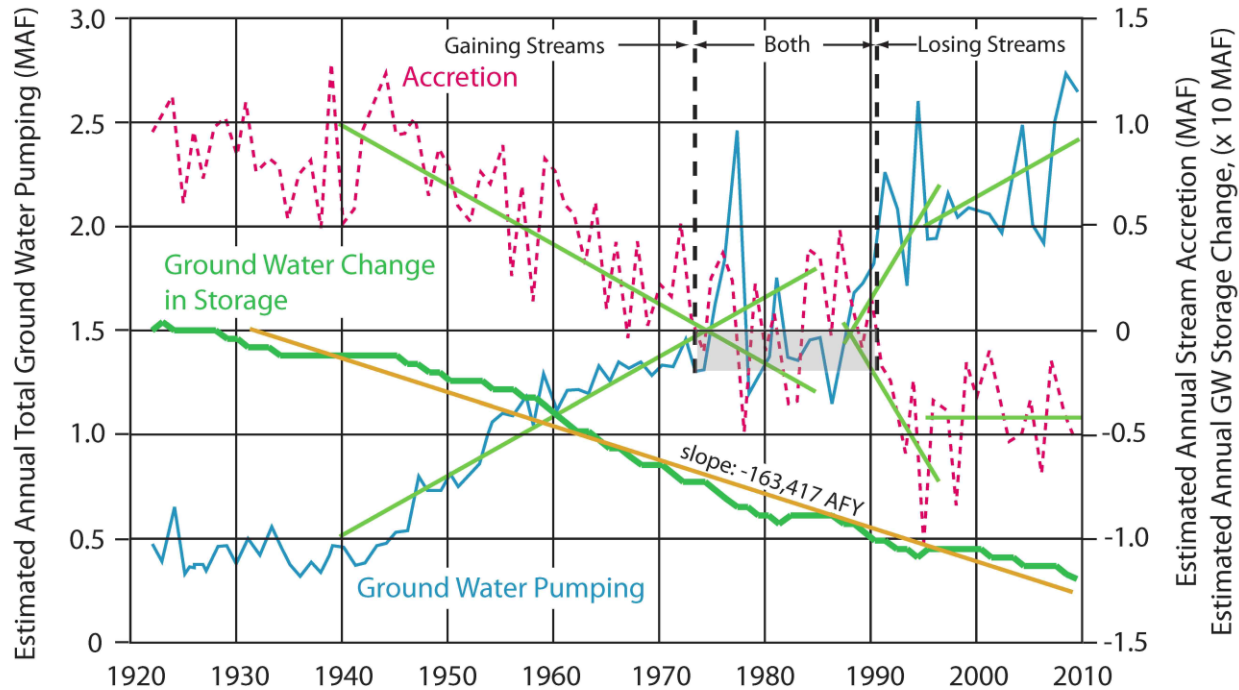
Highlighted in yellow are negative changes of over 10 feet from 2014 to 2015.

### Applications for Large Diameter Wells (Cumulative Totals/Water Year)



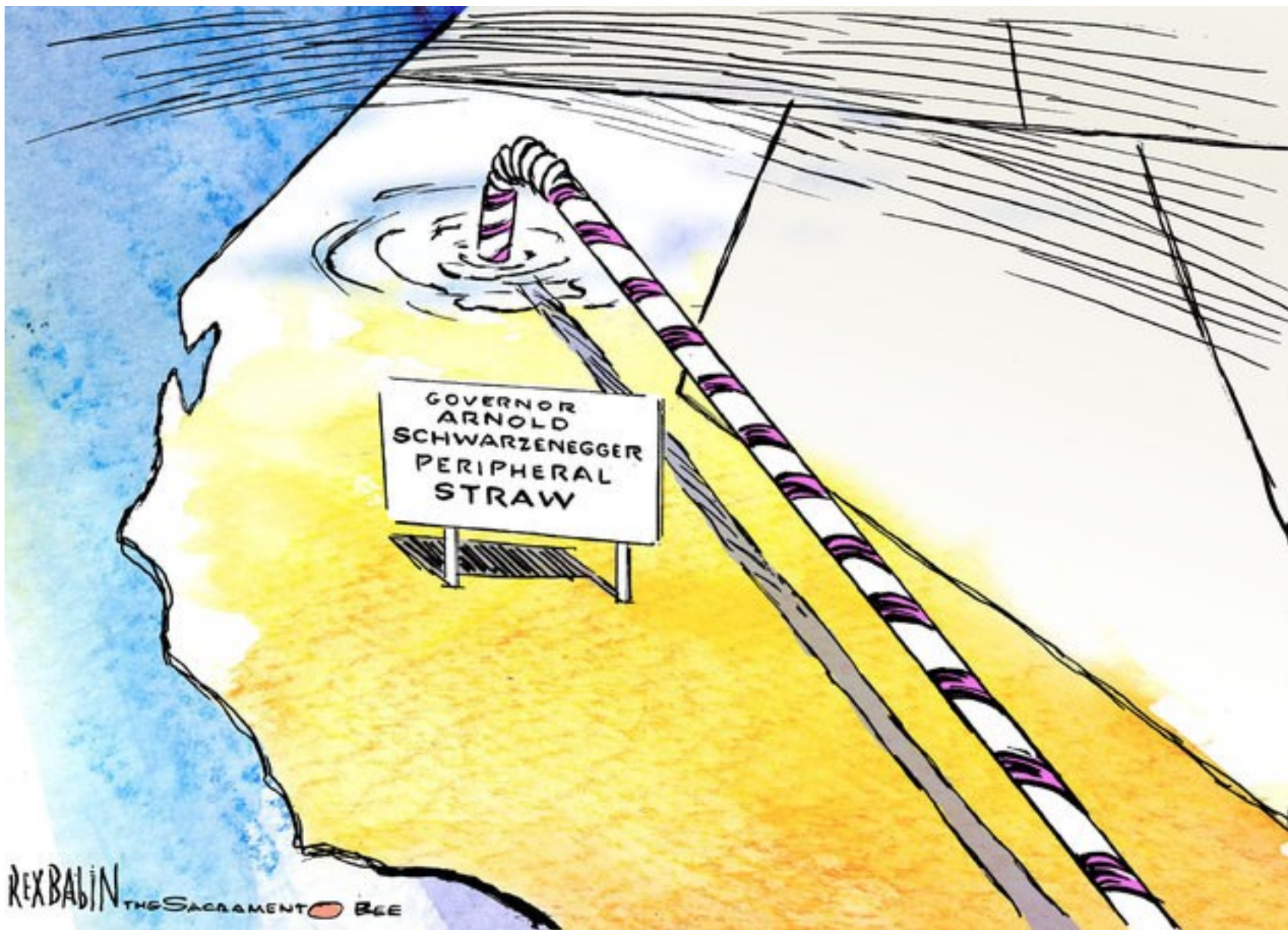
# Exhibit 10.7

Comparison of Ground Water Pumping and Accretion  
 Sacramento Valley  
 1920's to 2009



Changes in Accretion, Ground Water Pumping and Ground Water Storage

1. 1920's: ~+953 TAFY accretion with ~+451 TAFY gw pumping = ~ 1,400 TAFY loss in gw storage
2. Late 1960's to Early 1970's: first zero accretion occurs with ~1,300 to ~1,500 TAFY gw pumping
3. 1920'to 2009: ~ +953 TAFY accretion to ~ - 445 TAFY accretion = ~ 1,400 TAFY difference
4. Slope of Accretion 1940 to mid-1970's ~ -27,000 AFY; late 1980's to mid-1990's ~ - 85,000 AFY; ratio ~ 3X
5. 1940 to mid-1970's and late 1980's to mid 1990's slopes of ground water pumping increases are mirror images of slopes of accretion losses
6. Mid -1990's to 2010 groundwater pumping slope is similar to 1940 to mid-1970's, but accretion slope is flat.
7. Ground water change in storage ~ 12 to 14 MAF 1922 to 2009 (Figure 35, C2VSim User's Manual v. 3.02-CG, v. R374, June 2013, and Table 10 C2VSim Final Report 3.02-CG, v. R374, June 2013)

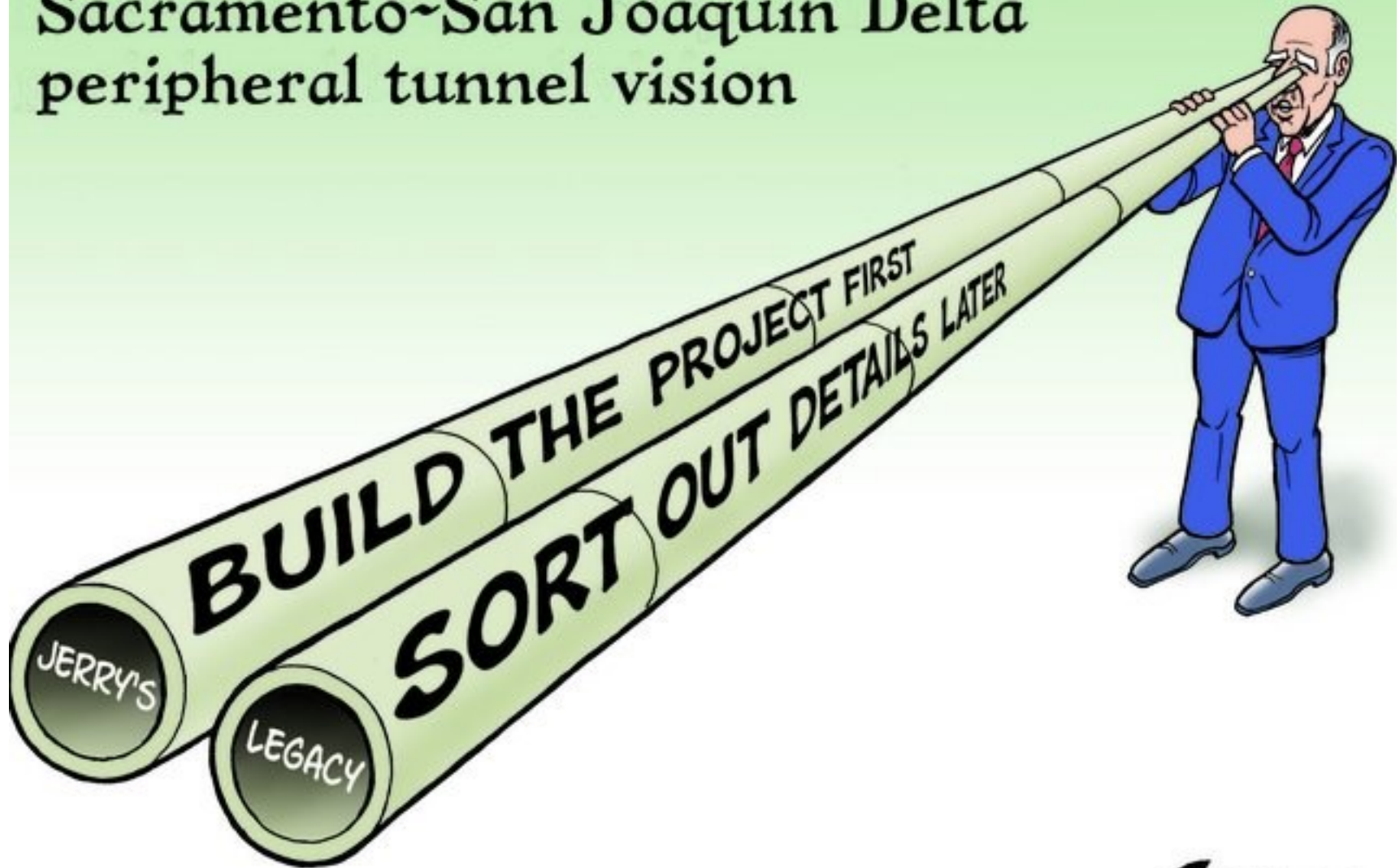


10/11/09

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# Sacramento~San Joaquin Delta peripheral tunnel vision



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