

Arroyo Seco Canyon Project  
City Council Appeal of CUP #6222

June 7, 2021

Ken Kules, PE

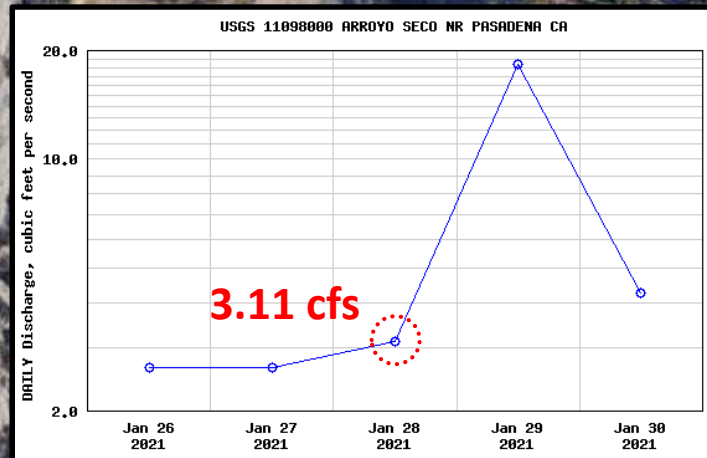
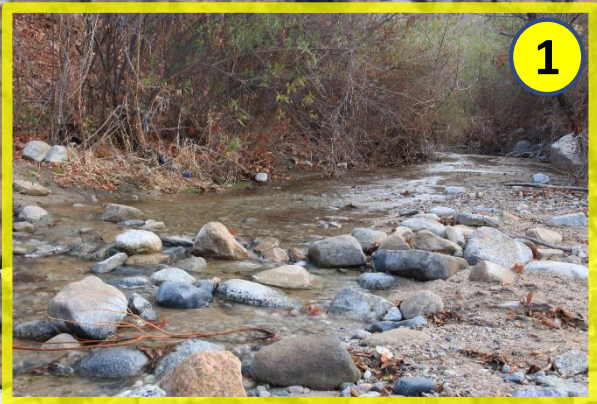


Hugh Bowles  
January 28, 2021

Millard Canyon

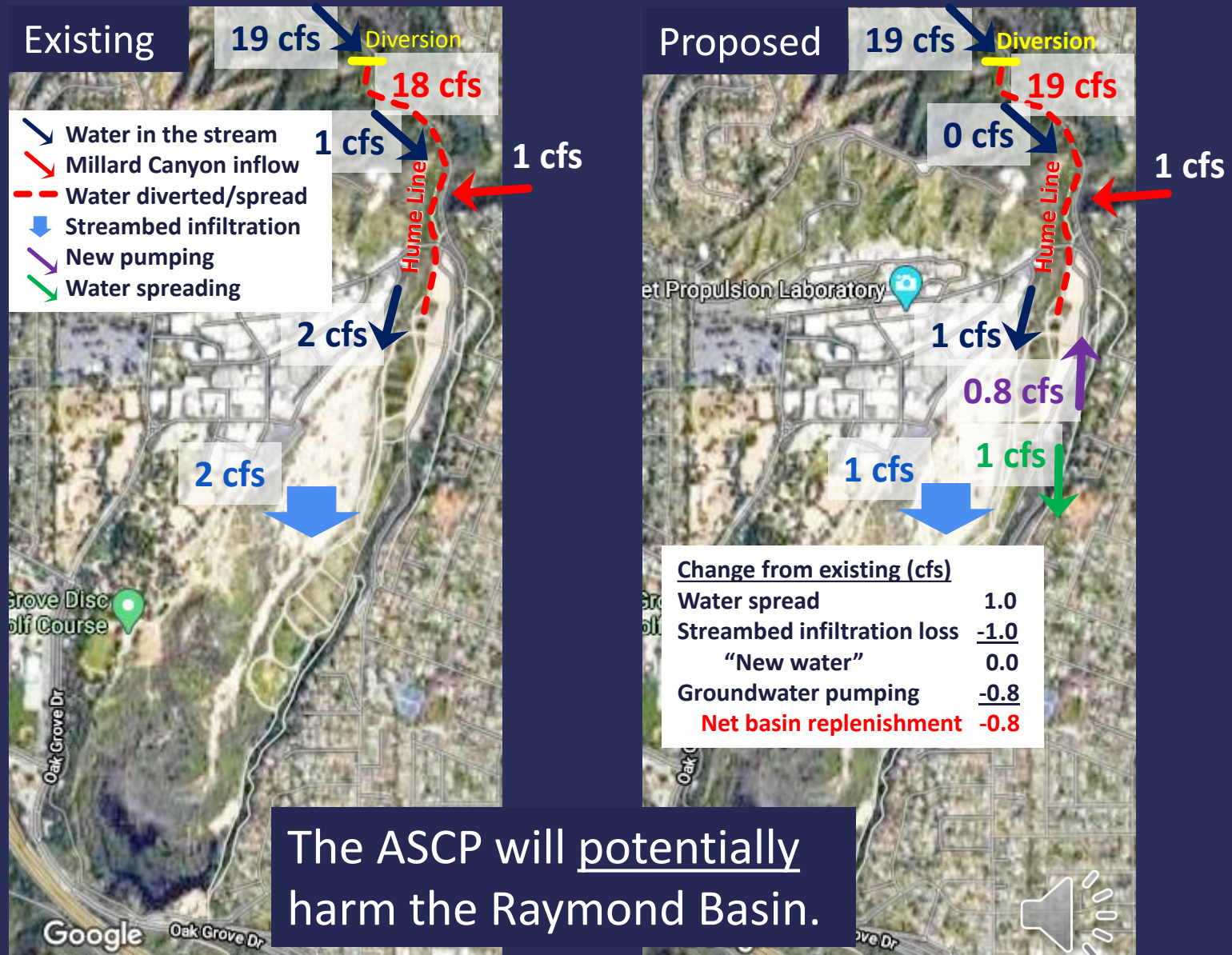
JPL bridge

~1200 feet





# Groundwater Impact Analysis Example



# Impacts on Groundwater Hydrology

- Calculate how much “new water” is spread
- Calculate the pumping credits earned
- If new water  $>$  pumping credits, impact is beneficial
- If new water  $<$  pumping credits, impact is adverse

# What the DEIR said

- The existing condition is represented by analyzing 1989 through 2019 stream flow data and assumes diversions of up to 25 cfs for stream flows up to 25 cfs. Under the current conditions, no diversions from the existing intake can occur when stream flows are greater than 25 cfs; therefore, the City can divert an average of 2,045 acre-ft/yr. Under the proposed Project conditions (i.e. diverting up to 25 cfs for storm flows <100 cfs), the City could divert approximately 3,080 acre-ft/yr; therefore, **the Project would add approximately 1,035 acre-ft/yr of diverted flows into the spreading basins.** (p. 4.5-20)
- **“Of the total amount of water that is infiltrated** into the groundwater through the existing spreading basins, PWP has the **right to pump between 60 to 80% of that amount** for beneficial use in the City’s water supply.” (p. 1-1)

# RBMB Rules & Regulations

RBMB ADOPTED 04/10/85; REVISED 10/13/93; REVISED 1/14/98; REVISED 4/20/11; REVISED 1/18/12

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## 16. CREDIT FOR SPREADING DIVERSIONS OF SURFACE WATERS

- (A) The Judgment allows Western Unit parties having surface diversion rights to spread such water and recapture it. The parties are restricted from diverting surface water and capturing more water than the maximum capacity of their diversion works (surface and tunnel) as existed at any time within five years prior to October 1, 1937. The maximum capacity of diversion facilities for each party is:

Snover Canyon	
Las Flores Water Company	0.50
Lincoln Avenue Water Company	6.59
Pasadena Cemetery Association	0.02
Pasadena, City of	
Arroyo Seco and Millard Canyon	25.00
Easton Canyon	8.90
Rubio Canon Land & Water Association	2.20

Since May 1, 1973, parties have been allowed to spread and recapture water. Water spread must be metered and allowed to percolate underground in existing Los Angeles County Flood Control District spreading grounds or in the natural stream channels leading to such spreading grounds. The parties shall be required to report each month all diversions for spreading on a form provided by the Board. The measuring devices shall be installed and maintained by the parties at their expense and shall be subject to the approval of the Board.

## 15. SALVAGE CREDIT FOR WATER SPREAD BY THE CITY OF SIERRA MADRE

- (A) The salvage credit is determined by Watermaster under the agreement between Sierra Madre and Arcadia dated June 30, 1950. A summary of the "Salvage Credit" remaining at the end of the fiscal year shall be presented in the Board's annual report.

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Party	Maximum Diversion In cubic feet per second
Kinneloa Irrigation District	
Ross M. Lockhart	1.20
Charles Houston Hastings	0.26
Mira Loma Mutual Water Company	0.81
La Canada Irrigation District	1.20

- (C) The Board, with the assistance of the Los Angeles County Flood Control District, shall determine and account for all water diverted for spreading, the amount spread and available for recapture, and the amount so recaptured. Each party shall have the right to pump from any well in the Monk Hill Subarea (if spread there) or in the Pasadena Subarea (if spread there) an amount of water equal to eighty percent (80%) of the amount spread.
- (D) Any additional amount allowed to be extracted by this provision shall be pumped by the end of the next fiscal year. If such extraction does not occur within this period, the right to take such an amount of water shall be lost.
- (E) For accounting purposes, the first water taken during any fiscal year by any party having spread surface water diversions during the prior fiscal year shall be considered water thus spread, as long as it had not already been pumped during the same year it was spread.
- (F) Any additional costs incurred by the Board in making determinations under this provision shall be included in the Board's annual budget and shall be considered as Part "B" of that budget.

## 17. WATER RIGHT LEASES AND SALES

- (A) All water right transfers must be filed with the Board who will acknowledge and record all transfers of Decreed Right between parties. These transfers may be temporary (lease) or in perpetuity (deed).

Tony Zampiendo (RBMB Executive Officer)  
at the May 11 MSC meeting:



“I think that we really need to go back and look - take one more step and look at the current spreading credits that are allowed and how that accounting is done and really if that actually is making any impact on lowering water levels or it is a true sustainable program.”

“...you're not necessarily going to have all this extra water that's spread to your benefit under the current rules and regulations...”

## CEQA Section 15088.5 says:

“A lead agency is required to recirculate an EIR when significant new information is added to the EIR after public notice is given of the availability of the draft EIR for public review under Section 15087 but before certification.”

“‘Significant new information’ requiring recirculation include, for example, a disclosure showing that ... The draft EIR was so fundamentally and basically inadequate and conclusory in nature that meaningful public review and comment were precluded.”

“Recirculation is not required where the new information added to the EIR merely clarifies or amplifies or makes insignificant modifications in an adequate EIR.”

“If the revision is limited to a few chapters or portions of the EIR, the lead agency need only recirculate the chapters or portions that have been modified.”



# The Raymond Basin is in overdraft and any adverse impact is significant

