

## Streams

- Chino Creek, Falls Creek, Snow Creek, Whitewater River
- Less than $1 \%$ of supply valley wide




## Aquifer

- $\quad>34.8$ million acre feet stored (MAF) in first 1000 ft
- 39.9 MAF storage capacity in first 1000 ft
- Each year valley uses about . 3 MAF of groundwater
- About 130 years worth of water

- Depth to water varies



## BEDROCK

## Acre foot



325,851
gallons


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## Subbasin map



## Groundwater Basins in Coachella Valley

|  | Desert Hot Springs |
| :--- | :--- |
|  | Garnet Hill |
|  | Indio/Whitewater River |
|  | MAF |
|  | Mission Creek |

## State Water Contractor

CALIFORNIA STATE WATER PROJECT


- Two of 29 in the state
- That's why DWA was formed back in 1961
- Work with DWR to maintain statewide system
- Pay to import water


## Sierra Nevada



## The Delta



## The Delta



- More than 30 million acre feet flow through each year
- About half the total river flow in the state passes through this region
- Supplies an estimated 7 million acre feet of water per year to approximately 23 million people


## Regulations

## DELAASNELIT NEAREXTINCTION



## Earthquakes

Typical water flow
snowmelt/
reservoir releases

Earthquake
ocean


## Earthquakes




Before


## DWA State Water Project imports

Water Rights (AF)



0

——Water Rights (AF)
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## State Water Project reliability

Percent of Water Entitlement (Allocation)




## Sites Reservoir

## Flexible Storage Solution

- Does not rely on Snow Pack
- Adapts to future climate change
- Fills during more frequent flooding events
- Is ideal for dry year water supply
- Potentially increases overall water supply for domestic and irrigation purposes
- The Bureau of Reclamation \& Sites Project Authority certified the final EIR in Nov. 2023
- Construction is projected to start in 2026



## SoCal end point

- Ends at Lake Perris
- Furthest east extension in Beaumont


## Possible routes to valley



- Two routes
- Lucerne Valley
- 88 miles
- San Gorgonio Pass
- 38 miles
- Would cost about \$1.6B (not adjusted for inflation)


## MWD exchange



- Trade Colorado River water for State water
- Avoid building +\$1.6B pipeline
- Saves ratepayer money
- Guaranteed delivery
- Get advanced deliveries to help groundwater levels


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## Colorado River



- Trade Colorado River water for State water
- Avoid building +\$1.6B pipeline
- Saves ratepayer money
- Get advanced deliveries to help groundwater levels


## Water replenishment

- Two west valley facilities for SWP
- One mid-valley location



## Whitewater Hydro

$\square$

## Whitewater River



## Whitewater River




# Whitewater Groundwater Replenishment Facility 



## Whitewater Groundwater Replenishment Facility



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# Thank you! 

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