



Serving Stewards of Western Water Since 1993

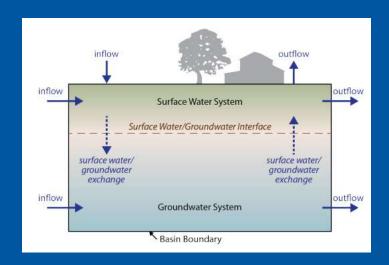
Agenda

- Water Budget Background
- OID Water Budget
- Overall Water Budget Results
- Individual Flow Path Review
- Questions and Discussion



Water Budget Background: What is a Water Budget?

- A complete accounting of all water flowing into and out of a defined area (e.g. the district) over a specified period (months or years)
- Inflow Outflow ± Change in Storage = 0
- Just like your checking account:
 Deposits Withdrawals ± Change in
 Balance = 0



2020-2022 Water Budget Update

March 5, 2024

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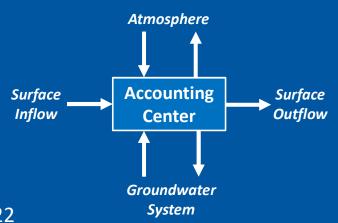


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urce(s): DWR, 2016. Best Management Practices for the Sustainable Management of Groundwater: Water Budget BM

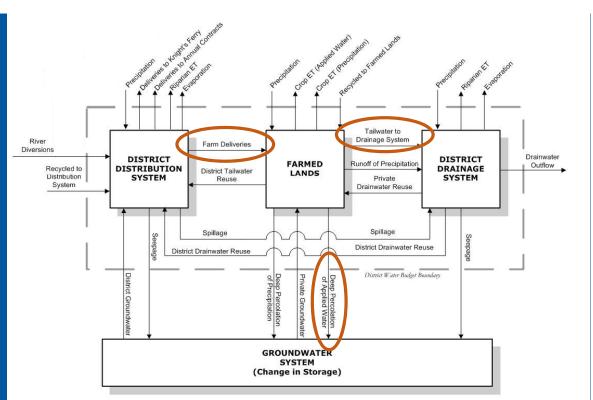
OID Water Budget Background

- Divided into North and South zones
- Four accounting centers
 - Overall "boundary" balance
 - Distribution system
 - Farmed lands
 - Drainage system
- Computed monthly for years 2005 to 2022
 - Update adds 2020 to 2022
- Emphasis on irrigation season with annual accounting to quantify recharge



OID Water Budget Schematic

- Every flow path is quantified
- Closure terms:
 - Farm deliveries
 - Deep percolation of applied water
 - Tailwater to drainage system



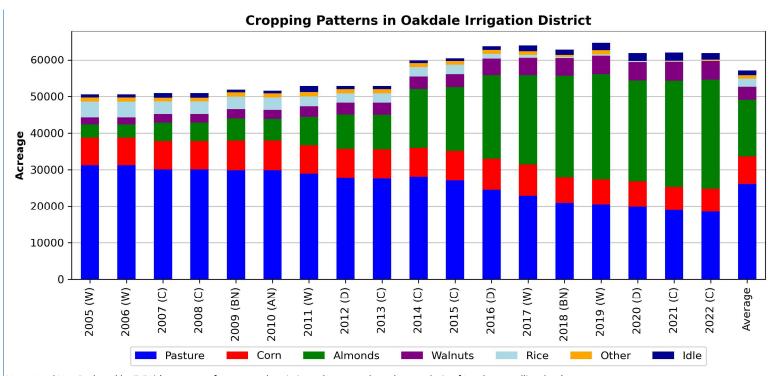
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Note: Land Use Reduced by 7.5% (to account for assessed vs. irrigated acreage, based on analysis of Landsat satellite data)

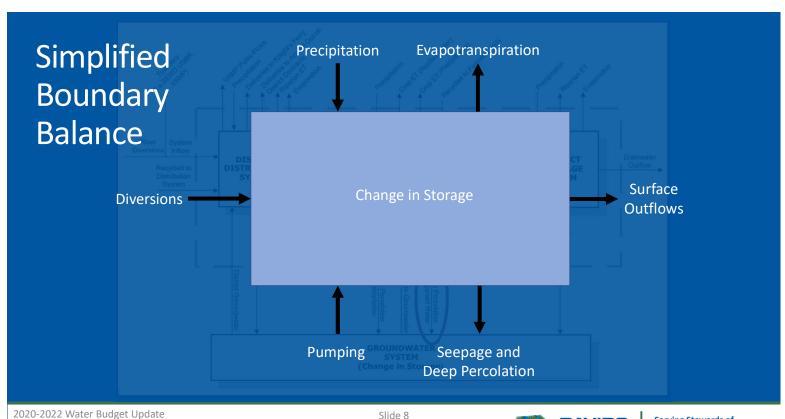
Overall Water Budget Results

2020-2022 Water Budget Update

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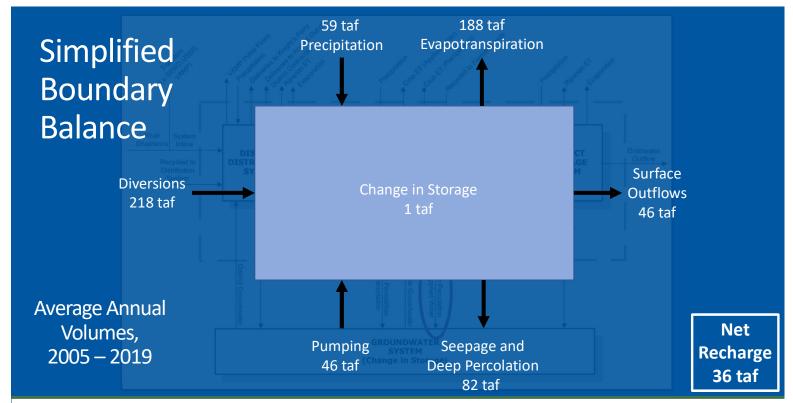


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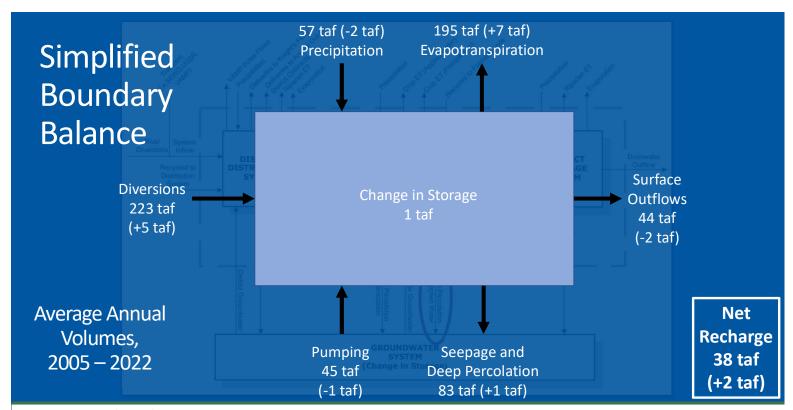
2020-2022 Water Budget Update



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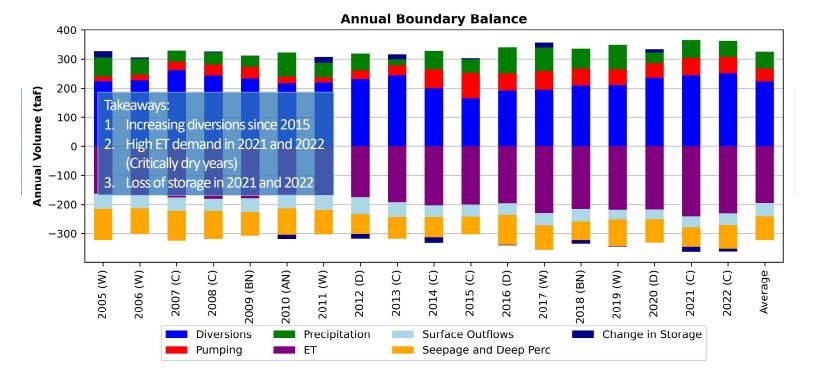
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2020-2022 Water Budget Update

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DAVIDS ENGINEERING, INC

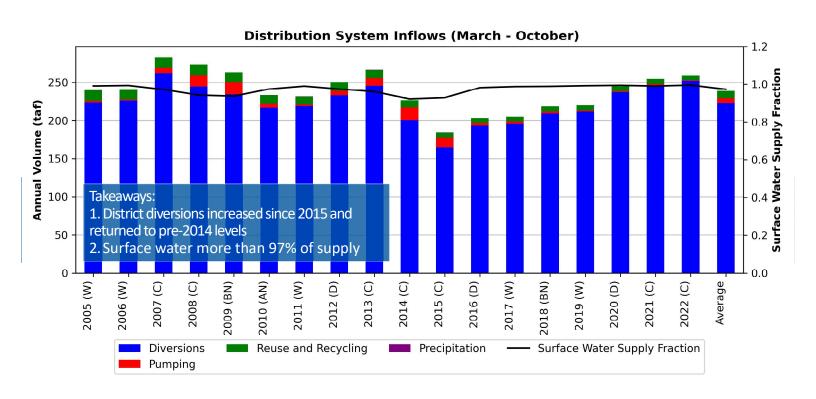


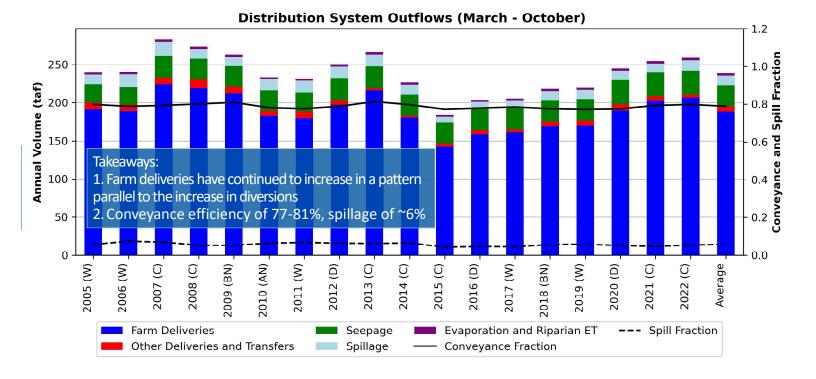
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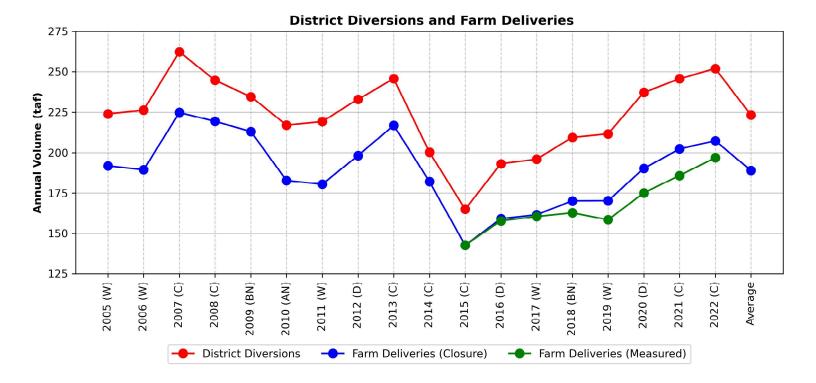
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Individual Flow Paths





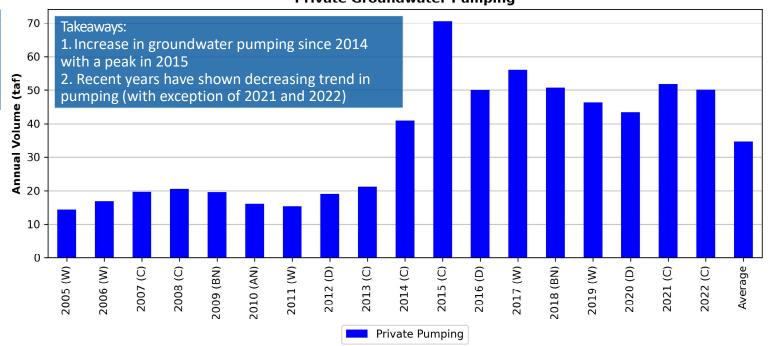
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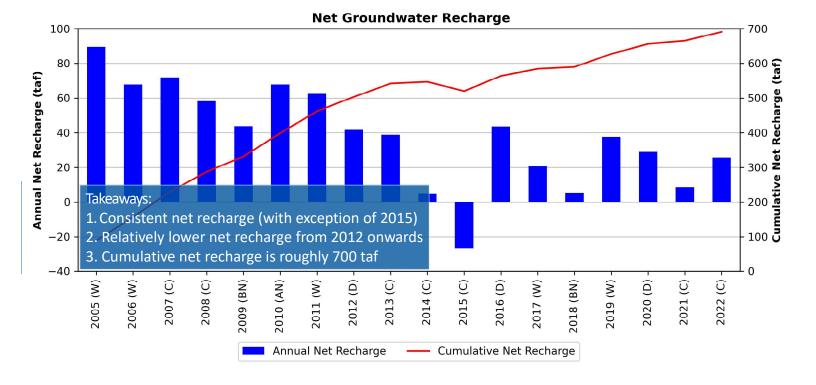
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Thanks! Questions and Discussion

