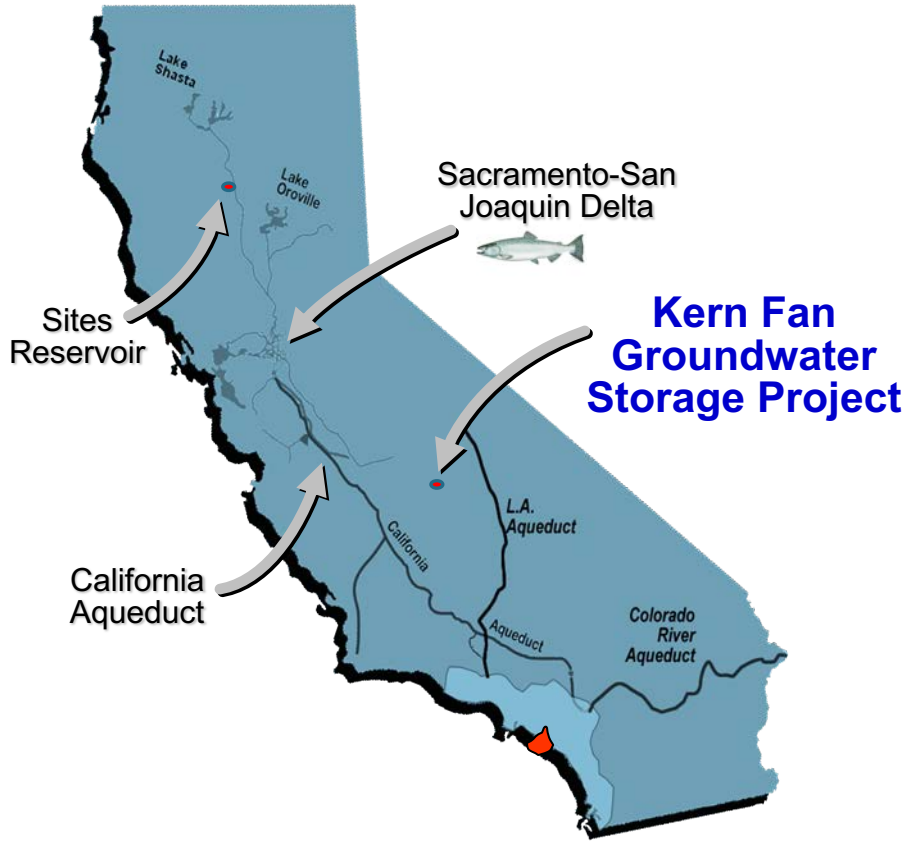




# KERN FAN GROUNDWATER STORAGE PROJECT — POTENTIAL RECLAMATION BENEFITS

August 21, 2020



## The Kern Fan Groundwater Storage Project:

- A new 100,000-acre-foot groundwater storage facility
- Stores “new” water otherwise lost to ocean
- Improves operational flexibility and resiliency
- Reduces pressure on the Delta ecosystem
- Provide water supply, fish and wildlife benefits
- Strategically located near federal, state, and local water conveyance facilities

**Joint implementation by Rosedale and IRWD**

# PROJECT OVERVIEW



# PROJECT FACILITIES AND CAPACITIES

## New Conveyance from California Aqueduct

- New turnout
- New 10-mile canal with 500 cfs capacity
- 3 lift stations

## 1,050 Acres of Recharge Basins

- Wet year recharge capacity of 100,000 AF
- 100,000 AF storage capacity

## 12 Recovery Wells

- Combined capacity up to 70 cfs

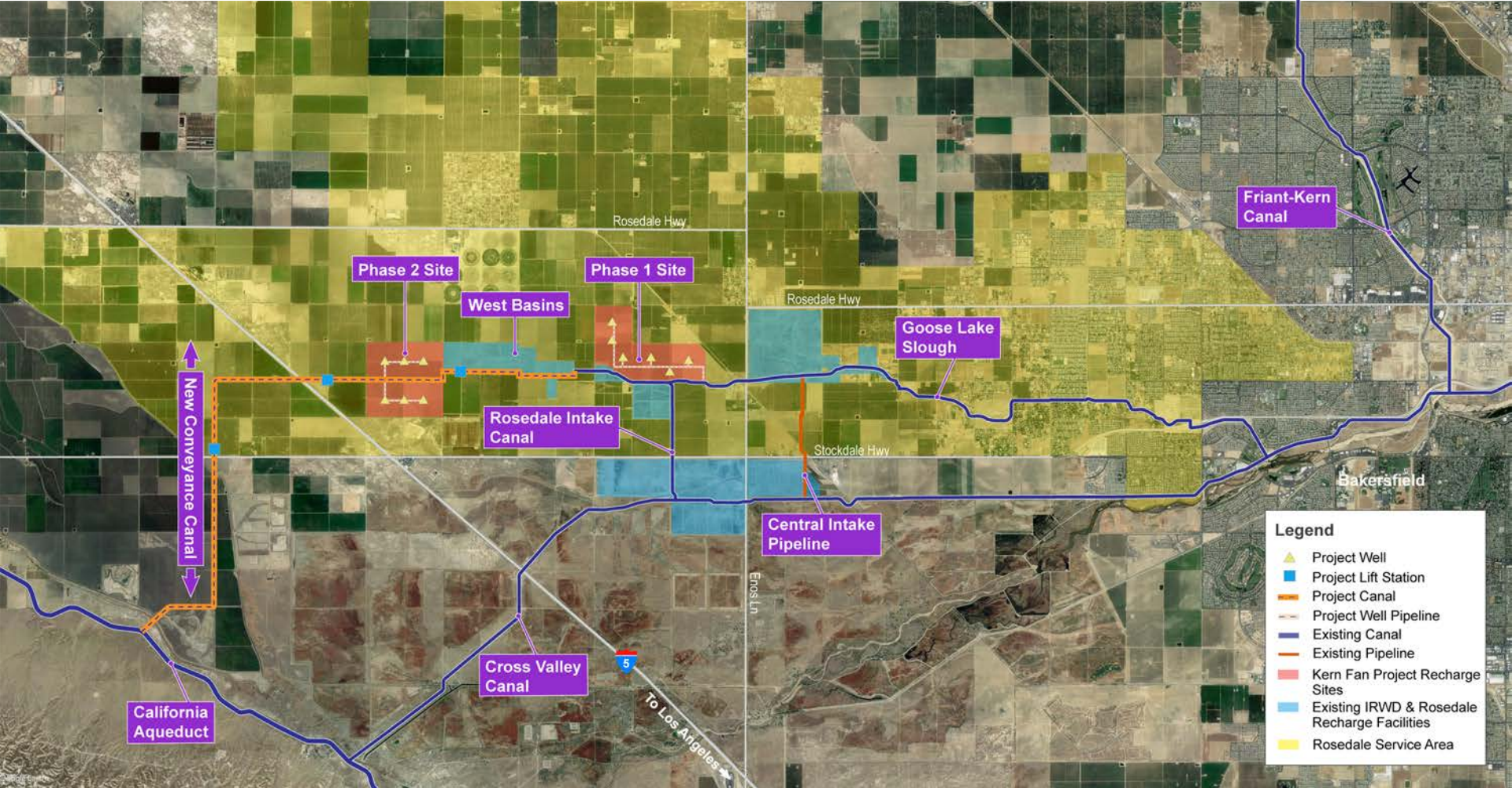
Stores “new” water otherwise lost to the ocean

- Article 21 water and other supplies

Improves flexibility in operation of State’s water systems

- No negative impacts to the SWP or CVP





# PRELIMINARY PROJECT FACILITIES MAP

# POTENTIAL FEDERAL BENEFITS

## NON-REIMBURSABLE:

1. Water supply option for Kern National Wildlife Refuge
  - Recovery and delivery of Friant 215 supplies stored in a Kern Fan Project storage account
    - Deliveries facilitated through exchanges with Buena Vista Water Storage District
    - Operational flexibility in meeting Exchange Contractor Demands
    - Flexibility in meeting requirements of CVPIA
2. Improved water quality in the Delta
  - Operational flexibility in managing CVP exports from the Delta
    - Helpful to coordinated CVP/SWP Operations
    - Helpful in meeting Refuge demands
3. Diversion of Kern River Flood flows
  - Reduction in Federal Crop Insurance Losses
4. Reduced Pressure on Colorado River during critical dry periods
5. Opportunities for Recreation

## REIMBURSABLE:

1. Exchange programs with Friant Division Contractors
  - Increased water supply during dry periods

# QUESTIONS TO POLICY TEAM

1. Are the potential Federal benefits to Reclamation consistent with what is acceptable for the Policy Review of the Project?
2. Which Federal benefits are of higher priority to Reclamation?
3. What level of quantification of these benefits is needed?
4. What is the recommended time-line for quantification?
5. Are there other non-reimbursable benefits we should consider?

# PROJECT SCHEDULE

**Construction will begin by December 16, 2021**

