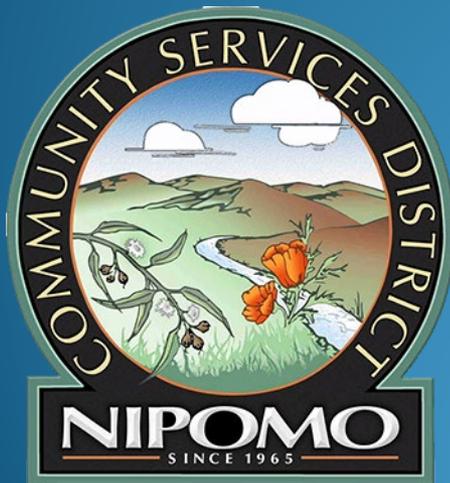


# Engineering and Operations Update – October 2021 to December 2021



Peter V. Sevcik, P.E.  
Director of Engineering and Operations  
Nipomo Community Services District  
January 26, 2022

# Project Completed

## Southland WWTF Screw Press

- Original contract cost - \$969,200
- Final Contract Cost – \$978,524
- Completed 12/2021



# Projects in Construction

## Supplemental Water Project Joshua Road Pump Station Pump #1-4 Improvements

- Contract cost - \$396,059
- Notice to proceed issued – 8/19/2020
- Revised projected completion date – 2/1/2022
- Work remaining - Painting



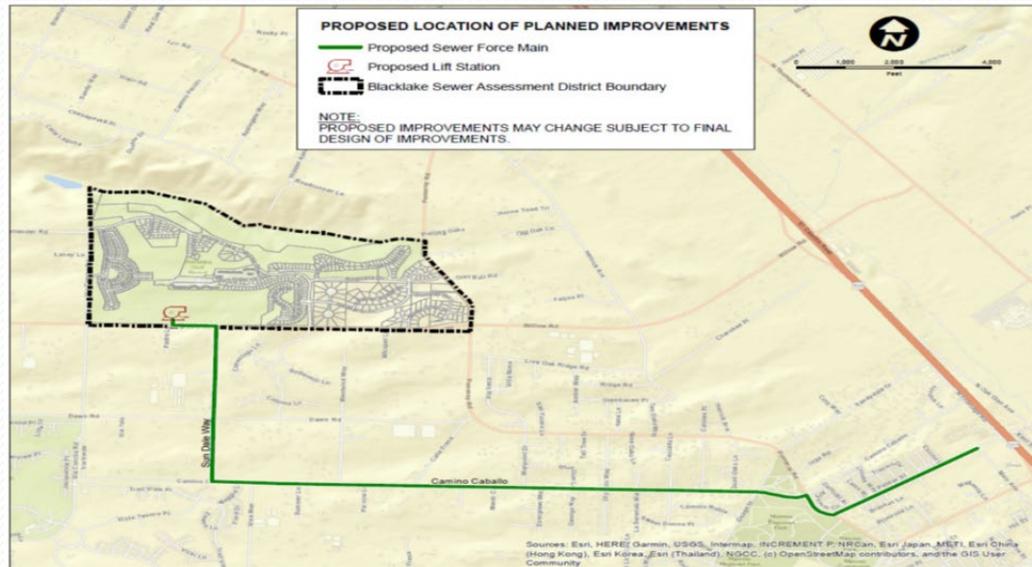
# Projects in Construction

## Nipomo Palms Lift Station Replacement

- Contract cost – \$918,368
- Notice to Proceed Issued – 5/17/2021
- Revised project completion date – 3/23/2022
- Pump and generator delivery impacted by COVID-19
- Construction in progress



# Blacklake Sewer System Consolidation Project



- Construction of lift station and force main to pump wastewater to Southland Wastewater Treatment Facility
- Decommission existing Blacklake Water Reclamation Facility

# Blacklake Sewer System Consolidation Project

## Contracts to Date

- Permitting assistance contract approved – 7/2020
  - Southland WWTF and Blacklake WRF permitting in progress
- Design contract for lift station and force main approved – 8/2020
  - 90% design review in progress
- Flow monitoring contract approved – 10/2020
  - Completed
- CEQA contract approved – 12/2020
  - Preparation of Mitigated Negative Declaration (MND) in progress

# Blacklake Sewer System Consolidation Project

## Blacklake WRF Permit

- Current permit was issued in 1994 for 200,000 gallons per day
- Current maximum daily flow is less than 100,000 gallons per day
- RWQCB notified District that facility needs new permit and provided two options:
  - Option to enroll in general permit for facilities with flows 100,000 gallons per day
  - Option to enroll in general permit for facilities with flows greater than 100,000 gallons per day
- Currently planning to enroll facility in general order for facilities with flows less than 100,000 gallons per day to minimize compliance costs for existing facility

# Blacklake Sewer System Consolidation Project

## Southland WWTF Permit

- Current permit was issued in 2012 for 900,000 gallons per day based on average daily BOD of 250 mg/l and TSS of 250 mg/l
- Current daily flow is 500,000 gallons per day with average BOD of 400 mg/l and TSS of 300 mg/l
- Blacklake Sewer System Consolidation Project will use up most of existing available capacity
- RWQCB has advised District that facility needs new permit in order to accept flow from Blacklake Sewer Service area and suggested enrollment in general permit for facilities with flows greater than 100,000 gallons per day
- Currently preparing application package for submittal to RWQCB

# Blacklake Sewer System Consolidation Project

## California Environmental Quality Act (CEQA) Compliance

- Preparation of Mitigated Negative Declaration (MND) in progress
- California Red Legged Frog (CRLF) habitat assessment
  - Field survey identified CRLF in effluent discharge pond on golf course
  - District will need to obtain USFWS Section 10 Incidental Take Permit before construction can begin
  - Expected to delay bidding for 12 months
- Botanical surveys
  - Field surveys did not identify protected species
- Cultural resources
  - Native American Heritage Committee records search completed
  - Field survey did not identify cultural resources
  - Tribal consultation is pending

# Blacklake Sewer System Consolidation Project

<b>Schedule milestones</b>	<b>Original</b>	<b>New</b>
• Design completion –	12/2021	12/2022
• Permitting completion –	12/2021	12/2022
• Board authorization to bid –	1/2022	1/2023
• Board construction contract award –	5/2022	5/2023
• Construction completion date –	3/2024	3/2025

# Other Projects in Design

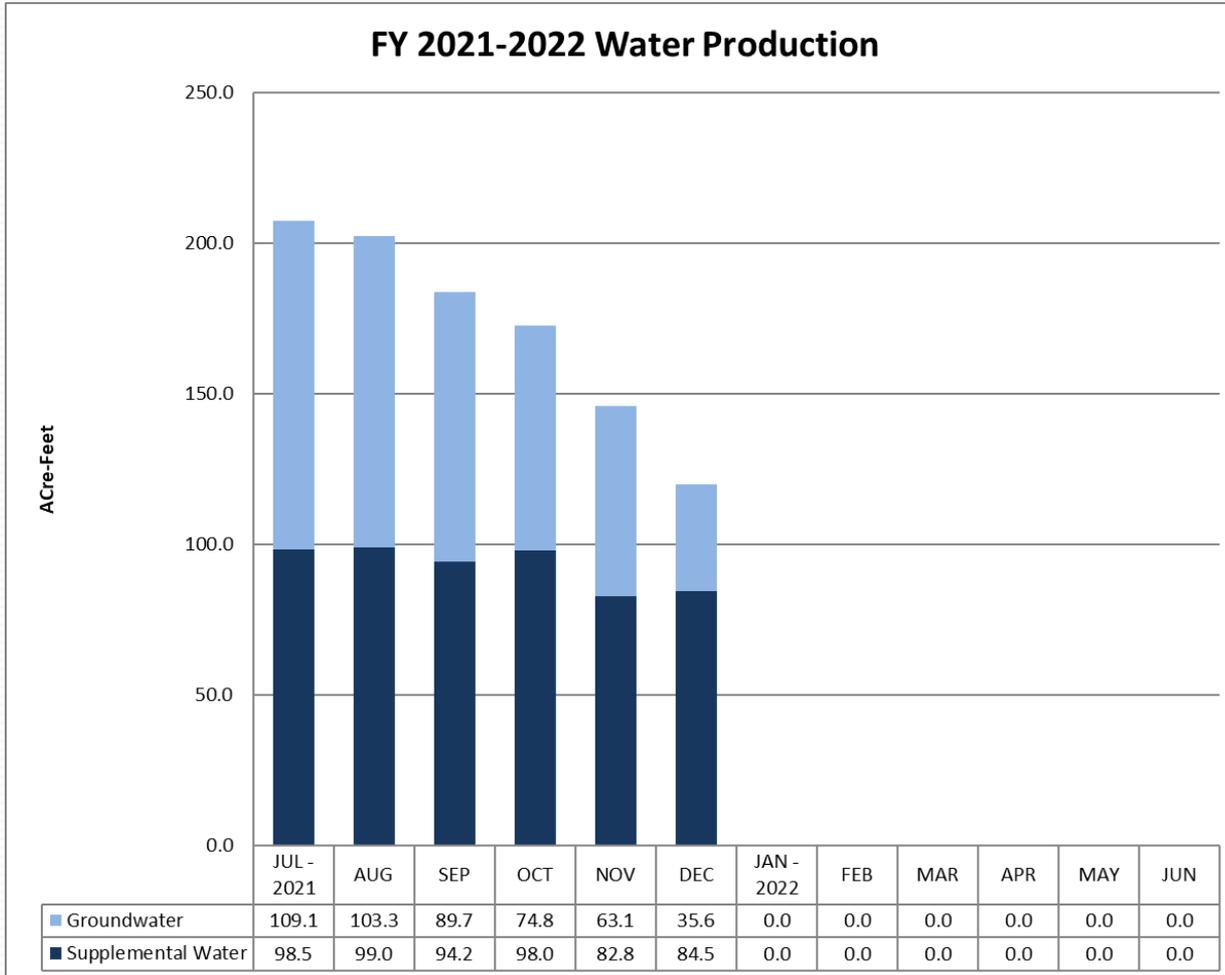
- Branch Street Watermain Replacement
  - 100% design in progress
- Eureka Well #2 Pump and Controls
  - 100% design in progress
- Woodgreen Lift Station
  - 90% design in progress

# Other Projects in Design

- District Office Generator
  - 100% design in progress
- Supplemental Water Project Interconnects
  - Woodlands easement recorded
  - Design on hold
- Foothill Tank Land Acquisition
  - Preparation of Mitigated Negative Declaration (MND) in progress

# Operations – Water System

**FY 2021-2022 Water Production**



<b>Supplemental Water</b>	<b>556.9 AF</b>
<b>Groundwater</b>	<b>475.5 AF</b>
<b>FY 21-22 Total Production To Date</b>	<b>1032.4 AF</b>

# Operations – Water System

- **Regulatory**

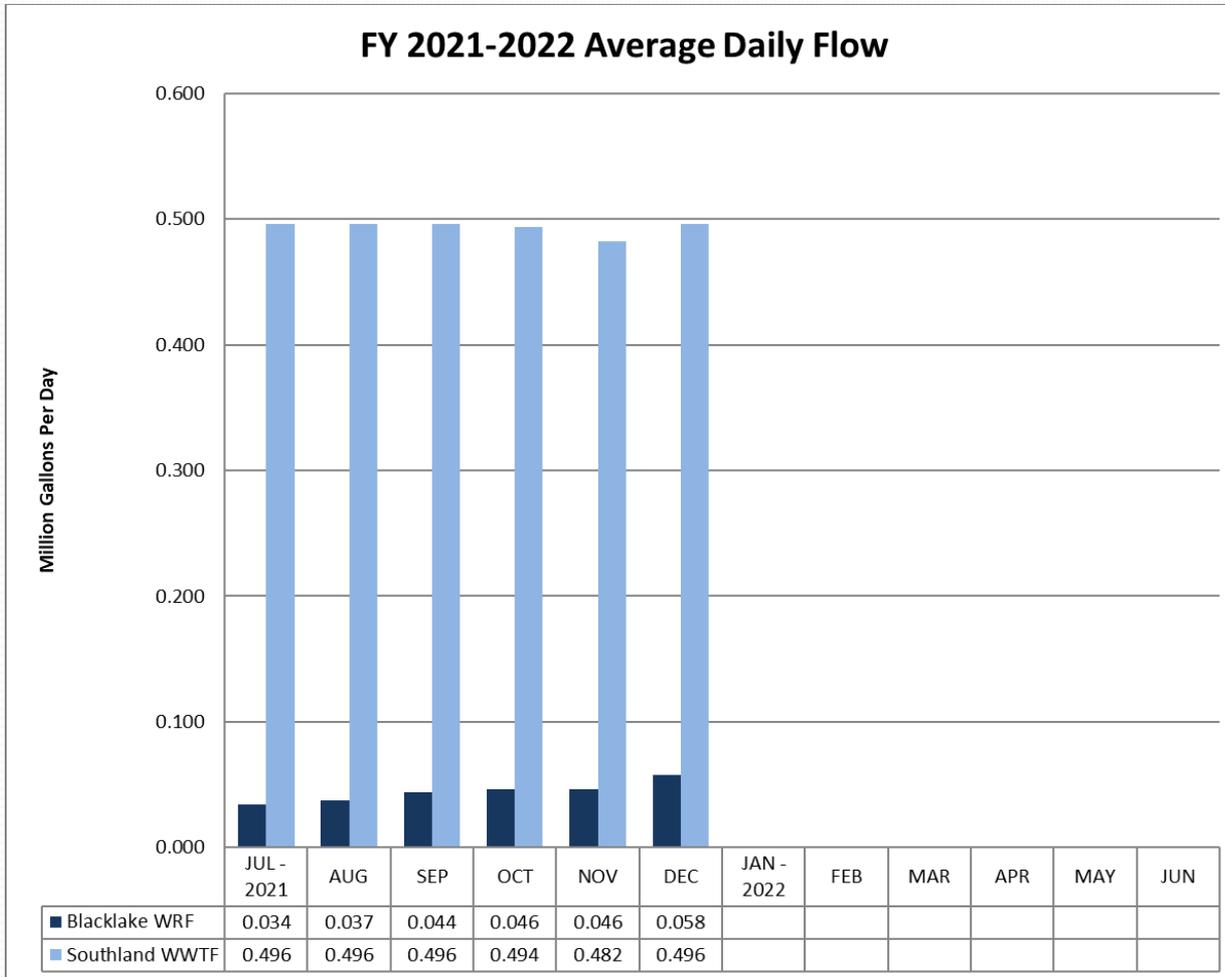
- State Water Resources Control Board Division of Drinking Water
  - Submitted routine monthly coliform, quarterly raw water coliform, quarterly nitrate, quarterly disinfection byproducts

- **Other Water Operations**

- Completed annual electrical system preventive maintenance
- Sundale offline due to nitrate limit exceedance

# Operations – Wastewater

**FY 2021-2022 Average Daily Flow**



<b>Blacklake WRF</b>	<b>7.8 MG</b>
<b>Southland WWTF</b>	<b>90.8 MG</b>
<b>FY 21-22 Total Wastewater Flow Treated To Date</b>	<b>98.6 MG or 303 AF</b>

# Operations – Wastewater System

- **Regulatory**

- State Water Resources Control Board
  - Routine monthly and quarterly reports submitted

- **Other Wastewater Operations**

- Completed annual electrical system preventive maintenance
- Blower #3 motor failed but still under warranty

# COVID-19 Response Current Status

- Following CDC, state and local guidance
- All operations employees vaccinated
- Staff working normal schedule
- Performing normal operations and maintenance tasks
- Monitoring inventory and availability of critical services, materials and supplies
- Continuing work on construction projects but schedules are being impacted due to delivery delays of equipment

# Engineering and Operations

## Questions