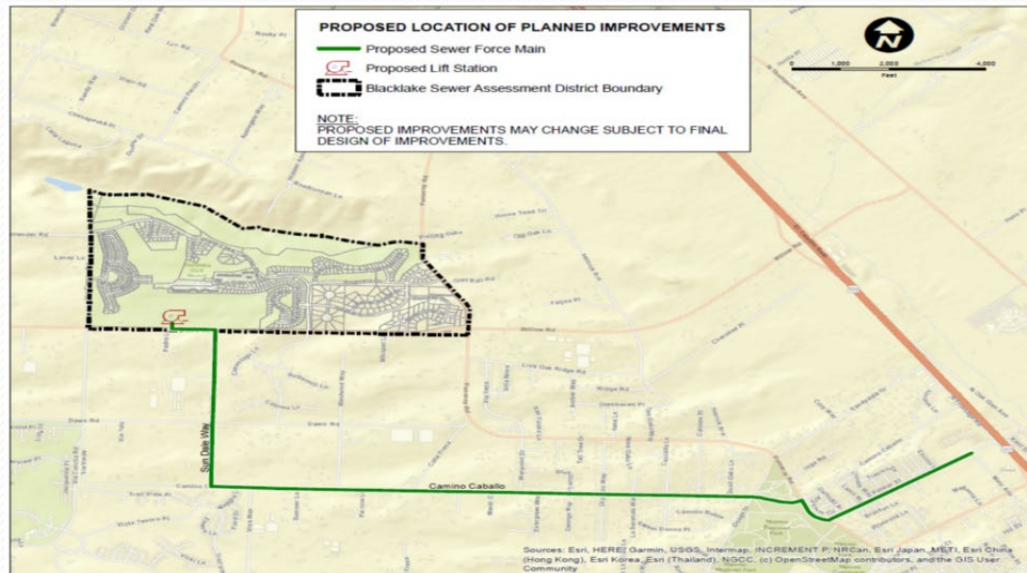


Engineering and Operations Update – April 2023 to June 2023



Peter V. Sevcik, PE
Director of Engineering and Operations
Nipomo Community Services District
July 12, 2023

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

Major Task Status

- Blacklake WRF permitting in progress
 - Submitted application to RWQCB in 5/2022 to enroll facility in general order for facilities with flows less than 100,000 gallons per day in order to minimize compliance costs for existing facility
 - RWQCB issued new permit on 5/31/2023 that was effective 6/1/2023
 - Anticipate to cancel new permit once Blacklake WRF is decommissioned
- Southland WWTF permitting in progress
 - Submitted application to RWQCB in 4/2023 to enroll facility in general permit for facilities with flows greater than 100,000 gallons per day in order to accept flow from the Blacklake Sewer Service Area

Blacklake Sewer System Consolidation Project

Major Task Status

- Design Status
 - Force main design completed and construction underway
 - Final lift station plans and specifications underway and pending completion of permitting process
 - Lift station contractor prequalification pending completion of permitting process
- Environmental Status
 - Mitigated Negative Declaration (MND) complete - CEQA
 - California Red Legged Frog (CRLF) Habitat Conservation Plan (HCP) submitted to USFWS
 - HCP based on mitigating for potential CRLF habitat loss by paying into federal CRLF mitigation fund

Blacklake Sewer System Consolidation Project

Schedule Milestones	Original	Revised Force Main	Revised Lift Station
Design Completion	12/2021	10/2022	9/2023
Construction Permitting Completion	12/2021	10/2022	9/2023
Board Authorization to Pre-Qualify	1/2022	7/2022	9/2023
Board Authorization to Bid	3/2022	10/2022	10/2023
Board Construction Contract Award	6/2022	1/2023	12/2023
Construction Completion	3/2024	1/2024	3/2025

Blacklake Sewer System Consolidation Project

Item Description	Project Budget Costs	Actual Costs to Date	% Budget Actual Costs to Date
1 Blacklake Lift Station	\$ 605,550	\$ -	0.0%
2 Force Main	\$ 5,162,350	\$ 298,463	5.8%
3 WRF Demolition	\$ 915,400	\$ -	0.0%
4 Construction Subtotal	\$ 6,683,300	\$ 298,463	4.5%
5 Permitting (CEQA)	\$ 116,240	\$ 68,538	59.0%
6 Engineering Design	\$ 871,800	\$ 619,111	71.0%
7 Construction Management and Inspection	\$ 871,800	\$ 34,512	4.0%
8 CEQA/Design/CM Subtotal	\$ 1,859,840	\$ 722,161	38.8%
9 Contingency	\$ 1,743,600	\$ -	0.0%
10 Total Project Cost	\$10,286,740	\$ 1,020,624	9.9%
Status Report Date 6/30/2023			

Projects in Construction

- Blacklake Sewer System Consolidation Project Force Main
 - Scope includes 21,000 linear feet of sewer pipe installed by open cut and directional drilling methods, pavement restoration, and related appurtenances
 - Notice to Proceed issued – 5/9/2023
 - Tentative Contract Completion – 1/4/2024
 - Contract cost - \$4,705,802
 - Completed to date - \$298,463

Projects in Construction

- Branch Street Watermain Replacement Project
 - Scope includes 1560 linear feet of 8 inch diameter watermain, 3 fire hydrants, abandonment of 6 inch diameter watermain located in an alley, new water services, and reconnection of existing water services
 - Notice to Proceed issued – 4/25/2023
 - Tentative Contract Completion – 10/22/2023
 - Contract cost - \$793,864
 - Completed to Date - \$29,965

Projects in Construction

- Sundale Well Nitrate Analyzer
 - Scope includes installation of on-line nitrate analyzer and modification of controls as well as SCADA
 - Contract cost - \$24,340
 - Equipment startup scheduled - 7/2023
 - 8 hour pump test – To be scheduled once analyzer is on-line

Projects in Construction

- District Office Generator
 - Generator and automatic transfer switch received
 - Concrete pad poured in-house
 - Proposal for electrical work pending

Projects in Bid Stage

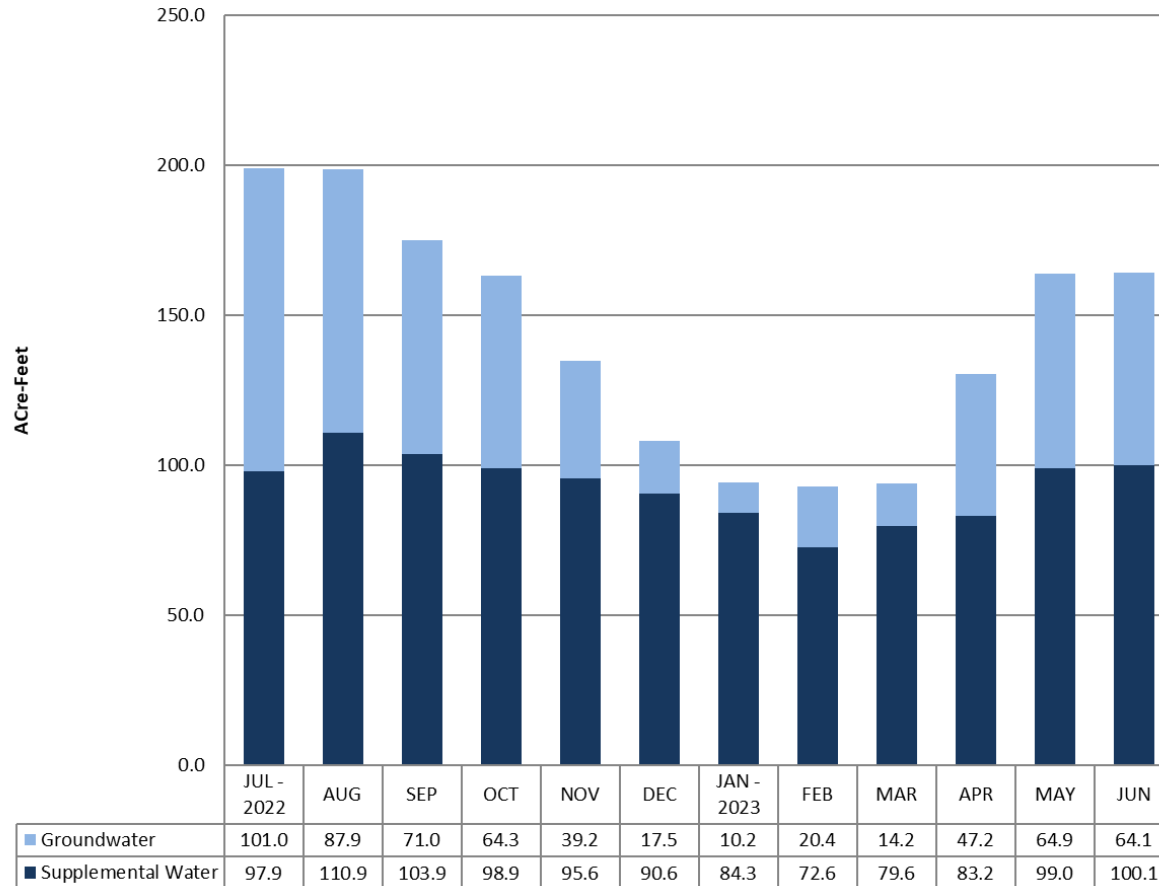
- Southland WWTF Influent Pump Station Repair
 - Board Authorization to Bid – 4/2023
 - Bids opened – 6/2023
 - Currently evaluating bids

Projects in Design

- Frontage Road Trunk Sewer Replacement
 - 60% design review in progress
- Woodgreen Lift Station Replacement
 - Final design in progress
 - Plan to bid with Blacklake Sewer System Consolidation Project Lift Station
- Foothill Tank Land Acquisition
 - Land Acquisition in progress
- Supplemental Water Project Interconnects
 - Final design in progress

Operations – Water System

FY 2022-2023 Water Production



Supplemental Water	117 AF
Groundwater	602 AF
FY 22-23 Total Production To Date	1719 AF

Operations – Water System

- **Regulatory**

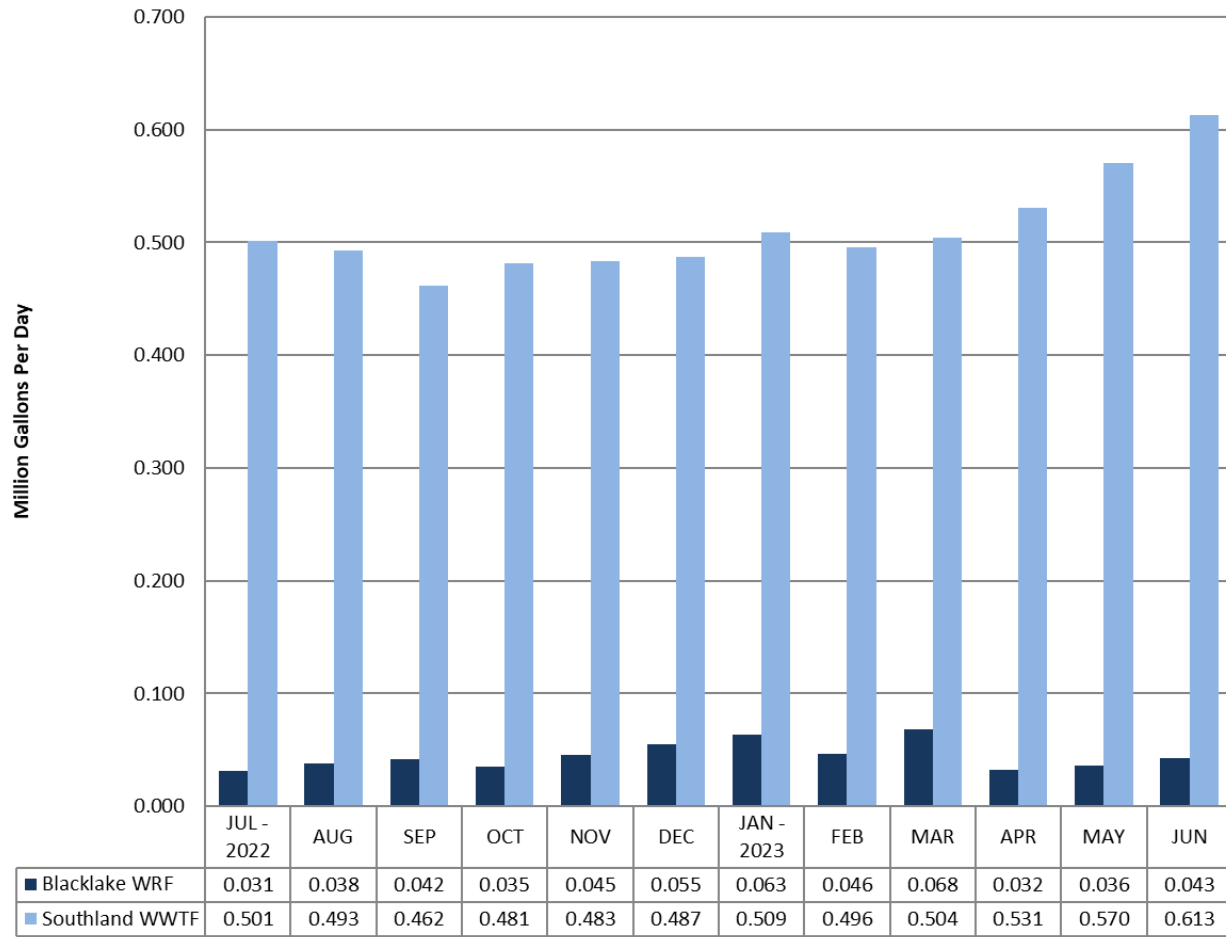
- State Water Resources Control Board Division of Drinking Water
 - Submitted routine monthly coliform, quarterly raw water coliform, quarterly nitrate, quarterly disinfection byproducts
 - Submitted 2022 Annual Water System Report
 - Prepared 2022 Consumer Confidence Report

- **Other Water Operations**

- Rebuilt all pressure reducing station control valves for Maria Vista Pressure Zone, Blacklake Pressure Zone and Westgate Pressure Zone

Operations – Wastewater

FY 2022-2023 Average Daily Flow



Blacklake WRF	16.2 MG
Southland WWTF	186.5 MG
FY 22-23 Total Wastewater Flow Treated To Date	202.7 MG or 622 AF

Operations – Wastewater System

- **Regulatory**

- State Water Resources Control Board
 - Routine monthly and quarterly reports submitted
 - Received new permit for the Blacklake WRF and developing compliance plan

- **Other Wastewater Operations**

- Changed out Blower Motor #1 at Southland WWTF
- Recoated 8 manholes on Grande Avenue
- Raised 3 manholes in high traffic areas on Tefft and Division
- Repaired flow meter bracket at Southland WWTF

Engineering and Operations

Questions