



08/09/2023

Update on the No-Discharge Flushing Program

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Sweetwater Authority No-Discharge Flushing

1. Start Up
2. Productivity
3. Fiscal Impact



Start Up



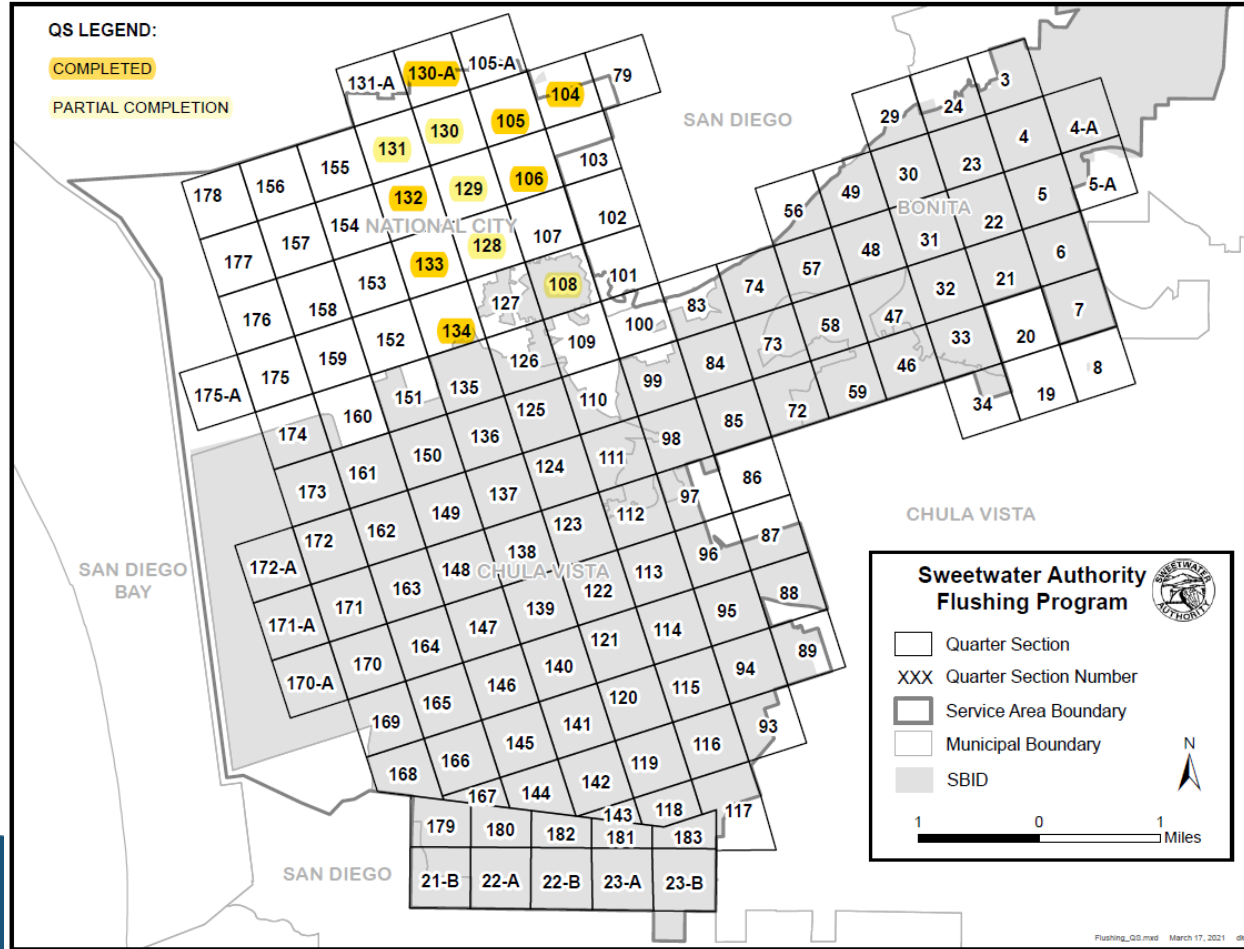
- February 13, 2023
- Flushing begins in National City



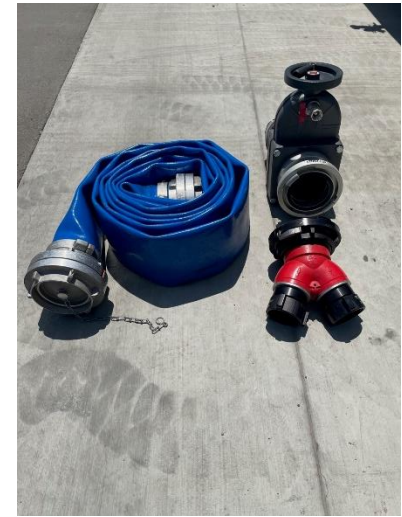
Productivity

- 35.71 miles of flushed pipeline (2/13/2023 – 7/31/2023)
- 387 exercised system valves (as of the previous Board update)
- Saved 1,896,524 gallons of wasted water to date. This equates to 17 households for one year (299 gallons per household per day) as of the last Board update.

Productivity



Fiscal Impact



TYPE OF EXPENDITURE	EXPENDITURES TO DATE
500 NSF61 filters	\$21,095.81
Two flushing hoses and hose ramps	\$3,323.68
Water quality turbidity meter	\$2,445.79
O-ring replacements for filter pressure vessels	\$556.80
Carburetor replacement	\$278.78
Fuel cost to date for no discharge flushing truck	\$726
Subtotal for flushing materials	\$28,426.86
Labor cost (not inclusive of fringe benefits)	\$70,260.11
TOTAL	\$98,686.97



Fiscal Impact

- On July 30, 2021 (Board meeting), staff estimated the cost to flush the entire system at \$1,157,108 (\$508,718 expended to date + \$648,390 to flush remaining system. This equates to an average cost of \$3,278 per mile based on estimated labor hours, materials and 353 miles of pipe 12-inches in diameter or smaller for entire distribution system.
- Actual costs from February 13, 2023 to July 31, 2023 result in \$2,764 per mile based on labor hours, materials, and 35.71 if pipe flushed to date.
- Actual costs are lower than projected in 2021 (not considering fringe benefits for staff)
- Estimated costs will be adjusted accordingly once additional cost data is available.



Questions ?

