

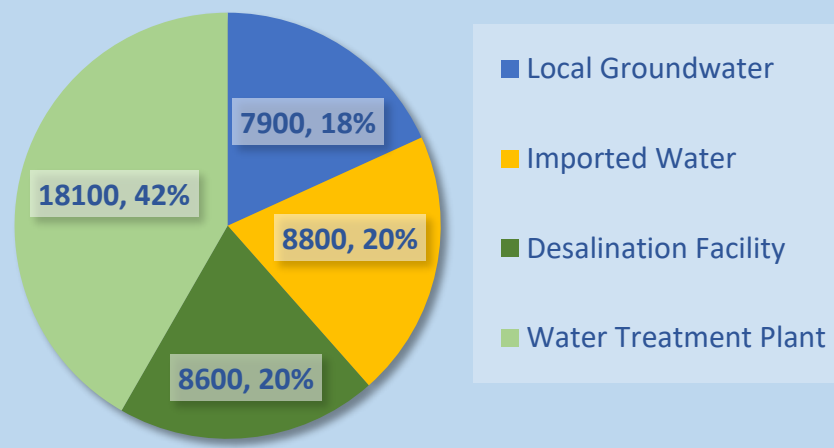
Niles Cone Groundwater Subbasin (2-9.01)

GROUNDWATER

Use

According to the Alameda County Water District (ACWD) ([ACWD, 2021](#)), groundwater from the Niles Cone accounted for approximately 14,500 acre-feet, or 37%, of the total of 39,000 acre-feet of water supplied to the ACWD distribution system in Fiscal Year 2019/20.

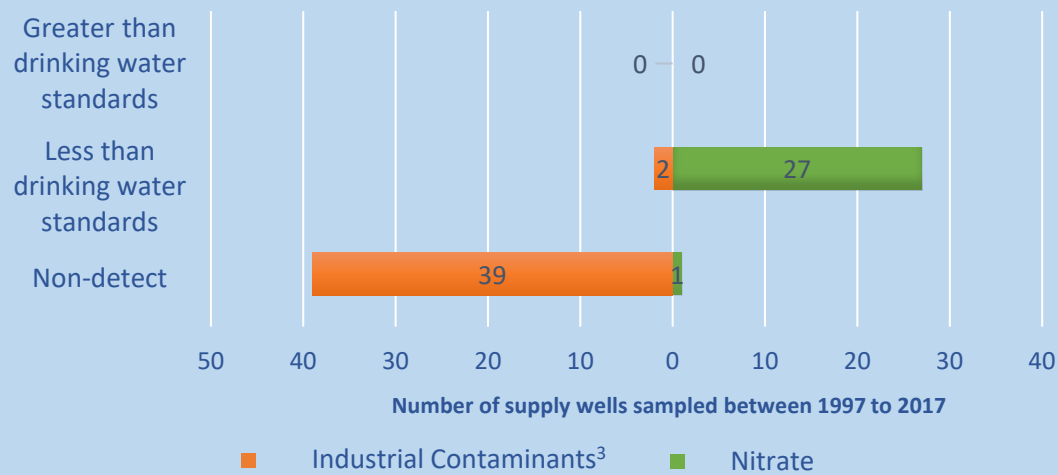
2019-2020 Water Supply Sources
(Acre-Feet)



Quality

Department of Water Resources' [Bulletin 118](#) states groundwater of the Niles Cone Subbasin is generally good for most purposes, but the Newark aquifer is impacted by saline water intrusion, first noted in the 1920s. As of 2017, the State Water Board Division of Drinking Water permitted about 41 water supply wells¹ within the Niles Cone, 16 belonging to ACWD.

Supply Well Sample Results²



¹The majority of supply wells are municipal/community wells that are typically deeper than private irrigation or domestic wells

²Data source: State Water Board Division of Drinking Water ([DDW](#)), Groundwater Ambient Monitoring and Assessment ([GAMA](#)), and [GeoTracker GAMA](#)

³Includes one or more of the following: Tetrachloroethene, Trichloroethene, 1,2,3-Trichloropropane, 1,4-Dioxane, Perchlorate, and Methyl tert-butyl ether

Disclaimer: Contaminant detections are from a majority of supply wells on specific dates between 1997 to 2017. They are not necessarily representative of water quality throughout an aquifer or the basin. Supply wells are mainly public but may include some domestic and irrigation wells.

Recharge

According to the ACWD's [2016 Groundwater Sustainability Plan Alternative](#), recharge includes managed aquifer recharge through Quarry Lakes (approximately 14,000 acre-feet annually in normal to wet years) and non-managed infiltration of rainwater, water applied to land, stream seepage, and hillside boundary inflows.

RESOURCES

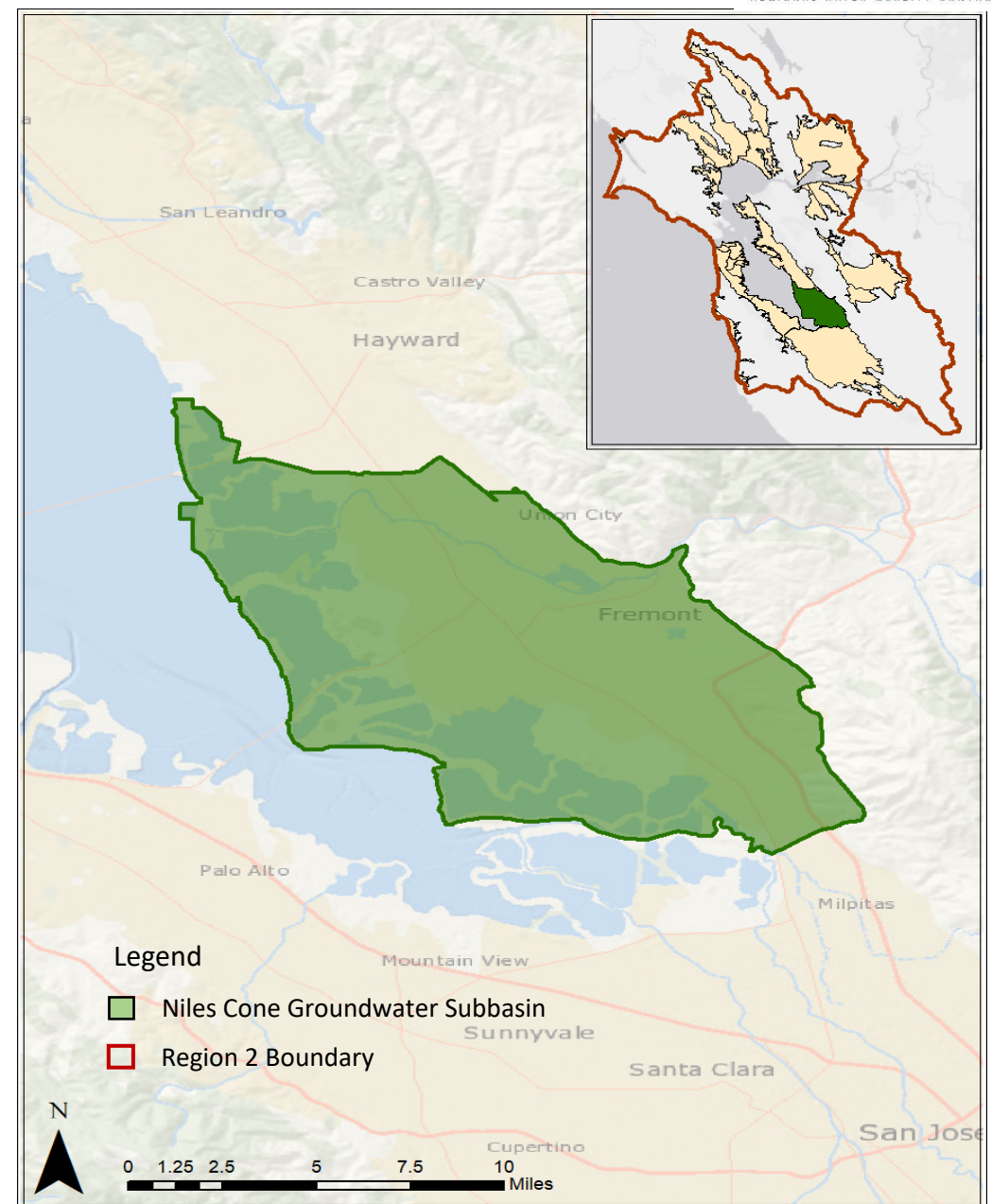
[SF Bay Water Board - Groundwater](#)

[State Water Board Division of Drinking Water](#)

[Department of Water Resources](#)

[State Water Resources Control Board GAMA](#)

[Alameda County Water District](#)



MANAGEMENT

Sustainable Groundwater Management Act (SGMA)	Medium Priority
Groundwater Sustainability Agency (GSA)	In 2016, the Alameda County Water District became the GSA for the Niles Cone subbasin.
Groundwater Management Plan (GMP)	ACWD's 2016 Groundwater Sustainability Plan Alternative was approved by Department of Water Resources in 2019.
Salt and Nutrient Management Plan (SNMP)	ACWD is considering development of an SNMP for the Niles Cone subbasin.
Groundwater Monitoring	According to ACWD's 2020 Groundwater Monitoring Report , subbasin monitoring includes 285 wells.

Water Board Groundwater Protection Actions⁴

Active Site Cleanups	91
Landfills, Mines, and Compost Facilities	5
Regulated Wastewater Discharges (dairies, confined animals, wineries, wastewater treatment plants, etc.)	0
Permitted Recycled Water Projects (including discharge to land)	1
Groundwater Ambient Monitoring and Assessment	2007, 2013

⁴As of January 2018. Includes all actions within the basin's watersheds.