



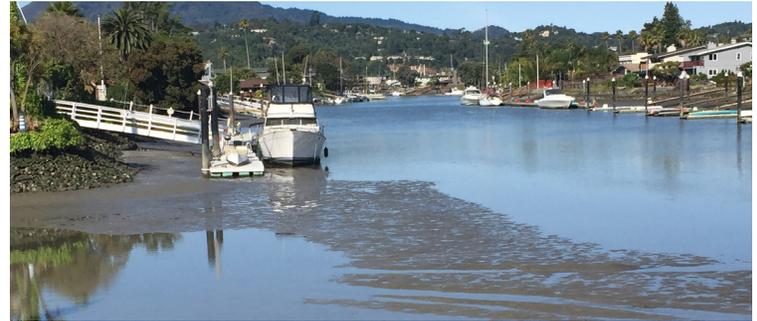
San Rafael Federal Navigation Channel Factsheet



A source of significant commercial, public safety and recreational activity, the San Rafael Federal Navigation Channel runs through the heart of Marin County to the San Francisco Bay.

1918 Rivers and Harbors Act federal authorization provided for maintenance dredging every 6 to 8 years

2002 Last full dredging of the San Rafael Creek



	Federally authorized depth	Current conditions
Inner Channel	6 ft	2.5 ft
Outer Channel	8 ft	4.8 ft



An Urgent Need.

Presidentially-Declared Disasters in winter 2017 and 2019 (2019 declaration pending) for severe winter storms, flooding, and mudslides drove significant volumes of sediment from the surrounding hillsides into the Channel, further shoaling the channel and rendering large portions non-navigable in low tide.

\$1,350,000 Engineering and Environmental
Secured in FY 2020 Work Plan

\$12,000,000 Dredging Operations
Still needed

What's at stake for San Rafael

San Rafael Channel is an urban waterfront.

12,000 Residents live within 0.5 miles of the federal channel

2,000 Boats moor in the Channel's five harbors, including 135 live aboards



Critical Public Safety Operations

3 Police and Fire rescue boats operate daily responding to **1,380** water incidents in the last 15 years



Firefighting defense

Sediment buildup has eliminated the use of the Channel's turning basin as a water pick up in fighting hillside fires—increasing critical response times by more than 20 minutes.

A Regional Economic Engine

134 businesses within 400ft of the Channel grossed **\$191 million** in taxable sales in 2017

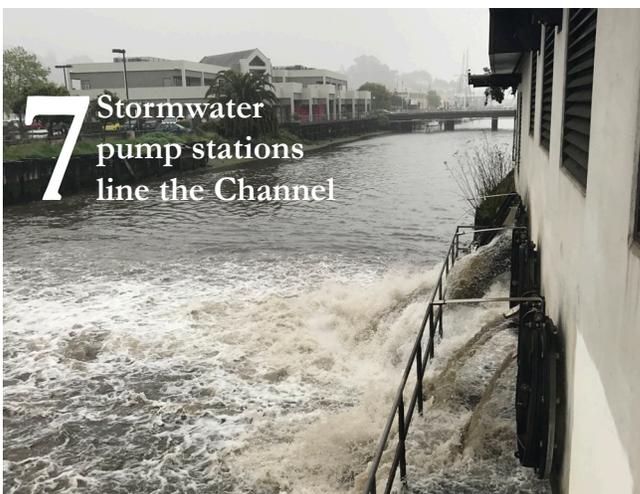


"The Channel is a community-wide asset for marine related uses and shall be maintained as a navigable waterway for commercial and other activity."

- San Rafael General Plan 2020



66% of City sales tax revenue comes from creek-adjacent East San Rafael



7 Stormwater pump stations line the Channel

Real Flood Risk and Damage

The seven stations pump stormwater directly into the Channel, protecting the County's most heavily populated FEMA floodzone.

28 FEMA repetitive loss properties already exist within the floodzone

The FEMA approved Marin County Local Hazard Mitigation Plan identifies dredging as a high priority project to protect against flood damage. The plan also cites data and research which expects winter storm events to increase in severity and frequency.