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

<table>
<thead>
<tr>
<th>Federally authorized depth</th>
<th>Current conditions</th>
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<tbody>
<tr>
<td>Inner Channel</td>
<td>Outer Channel</td>
</tr>
<tr>
<td>6 ft</td>
<td>8 ft</td>
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<tr>
<td>2.5 ft</td>
<td>4.8 ft</td>
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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

Real Flood Risk and Damage

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

7 Stormwater pump stations line the Channel

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.