Bay Area Climate Change Impacts

**WILDFIRE**

Warming temperatures combined with expansion of the wildland-urban interface are projected to increase fire risk in most of the Bay Area.¹

60% of land in the Bay Area is within the Wildland-Urban Interface (WUI), where 4 MILLION PEOPLE live and work, including 1 MILLION PEOPLE in under-resourced communities.

The Bay Area’s 40 open space districts, resource conservation districts, park departments, land trusts, and water districts actively manage 28% of the Wildland-Urban Interface.

These agencies and organizations also work with the private landowners who manage another 54% of the WUI.

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¹Ackerly, David, Andrew Jones, Mark Stacey, Bruce Riordan. (University of California, Berkeley). 2018. San Francisco Bay Area Summary Report. California’s Fourth Climate Change Assessment.

Reducing Risk Through Land Management & Conservation

Tree thinning, fuel breaks, prescribed burning, vegetation management, and open space conservation reduce fire risk to people.

MANAGING FIRE FUELS IN THE WUI

- Targeted tree thinning for forest health and resiliency
- Construction and maintenance of fuel breaks
- Prescribed burning
- Grassland grazing
- Control/removal of fire-prone non-native plants using an Integrated Pest Management approach

COMMUNITY-FOCUSED WILDFIRE RESPONSE

- Grant funding
- Local agency
- Funds fire management actions by tribal restoration crews, certified local corps, work development programs, fire safe councils, etc.
- Builds capacity among agencies, orgs, and private landowners
- Fosters cross-jurisdictional partnerships
- Incentivizes local investment

LAND USE PLANNING

- Open space and trails provide battle lines for fire containment and opportunities for backfires
- Fire-safe building standards
- Home hardening
- Near-building vegetation management

6 of the top 20 most destructive fires in California history have occurred in the Bay Area

<table>
<thead>
<tr>
<th>RANK</th>
<th>FIRE NAME</th>
<th>DATE</th>
<th>COUNTY</th>
<th>ACRES</th>
<th>STRUCTURES</th>
<th>DEATHS</th>
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<tbody>
<tr>
<td>2</td>
<td>TUBBS</td>
<td>October 2017</td>
<td>Napa &amp; Sonoma</td>
<td>36,807</td>
<td>5,636</td>
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<td>3</td>
<td>TUNNEL</td>
<td>October 1991</td>
<td>Alameda</td>
<td>1,600</td>
<td>2,900</td>
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<td>5</td>
<td>VALLEY</td>
<td>September 2015</td>
<td>Lake, Napa &amp; Sonoma</td>
<td>76,067</td>
<td>1,955</td>
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<td>9</td>
<td>NUNS</td>
<td>October 2017</td>
<td>Sonoma</td>
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<td>ATLAS</td>
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