

EVACUATION Management



THE WILDFIRE PROBLEM

- Firefighting **not** effective in the initial attack
- Multi-agency coordination and command is **required**
- Wildfires are Mass **Rescue/Casualty** Incidents
- Evacuation Orders Required Earlier over **Larger** Areas
- Traffic Congestion Coordination Now **Necessary**
- Vulnerable Populations are **Most** at Risk



EVACUATIONS 101



Most evacuations are ad-hoc, decided and created at each incident, usually using printed maps

EVACUATIONS 101



Radio/Phone

Live Meetings

Messaging

Webmaster

News Release



Communicating an evacuation plan to agencies and the public is time consuming and prone to error

SOLUTION WE BUILT

1 CLICK PLATFORM



Multi-Agency Coordination

All agencies can use to coordinate evacuations with all stakeholders



Real-time Map based Information

Real-Time platform allowing everyone to see evacuation information



Integration with existing channels

Tool that integrates with pre-existing and new communication channels



Hyper-local knowledge

Local knowledge allows for mutual aid to more quickly execute evacuations



Reduce Complication and Time

Reduce complication, reduce time, & get information to the public faster



Accessible to Communities

Available to the public to communicate to and fro with first responders

1 CLICK PLATFORM



WIRELESS
EMERGENCY
ALERTS

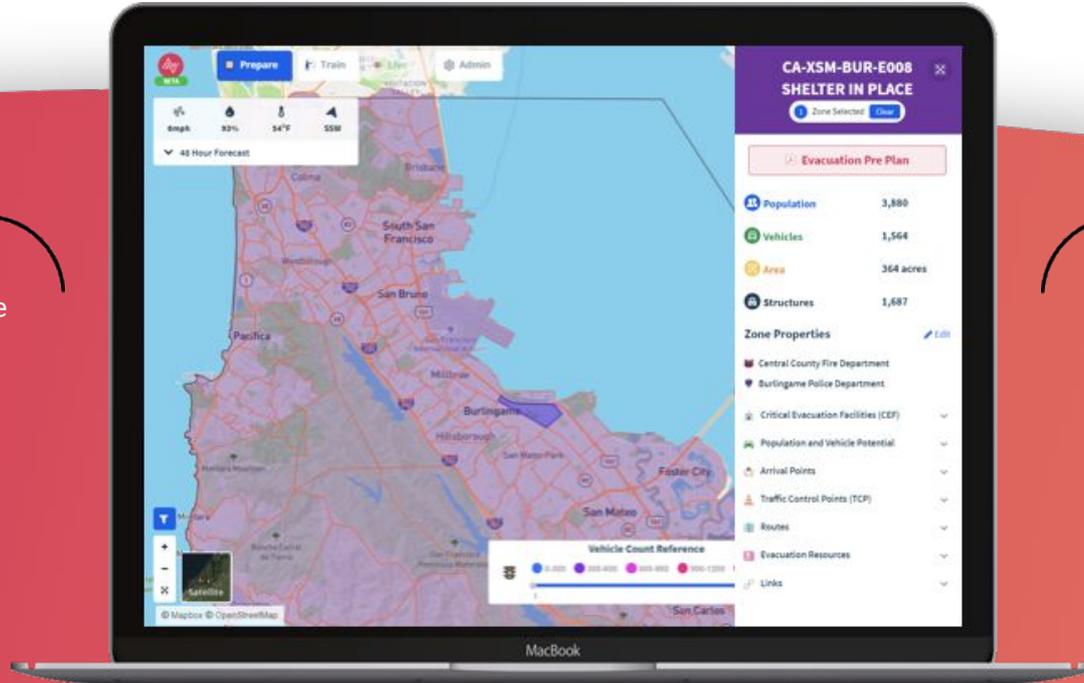


What if everyone saw the same information at the same time?

ZONEHAVEN EVACUATION MANAGEMENT PLATFORM

Zone Based

Smart Zones | Agency
Approved | Threat Aware
| Easy to Communicate



Collaborative

Plan Together | Intelligent
Mutual Aid | Learn from
your Peers | Easily share



EVACUATION ON FAST MOVING FIRE

CAL FIRE NEWS RELEASE
California Department of Forestry and Fire Protection



CONTACT: Incident Information Line: (831) 335-6717 **RELEASE DATE:** August 18, 2020 2:00 p.m.

**CZU AUGUST LIGHTNING COMPLEX
EVACUATION WARNING ISSUED IN SAN MATEO COUNTY**

WHAT: **EVACUATION WARNINGS**

WHEN: EFFECTIVE IMMEDIATELY

WHERE: An **EVACUATION WARNING** has been placed for the community of Loma Mar and Deadtown Park in Southern San Mateo County. (Zonehaven Evacuation Zone SMC-E016).

NOTES: Due to fire activity in the area south of Loma Mar residents are requested to prepare to evacuate. Please be prepared to leave your property if the fire continues to progress. Recommended actions include packing your vehicle with personal belongings, securing your buildings, packing medications and ensuring your vehicle has fuel.

View the most current evacuation information at www.smccounty.gov/zonehaven

Residents who would like to receive email updates can follow the link below to opt-in: <https://www.smccounty.gov/czulaighting>

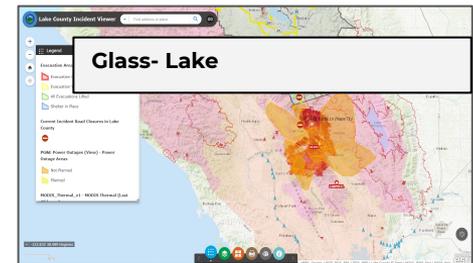
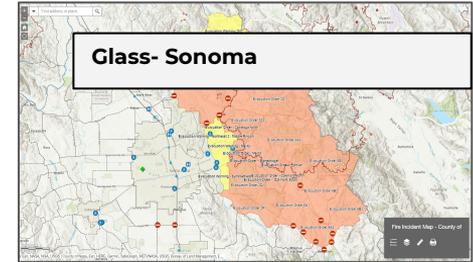
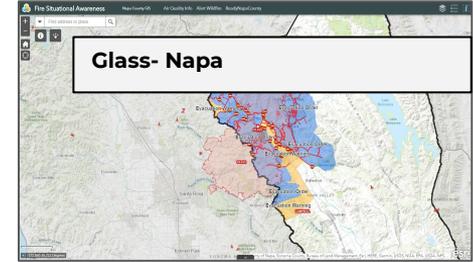
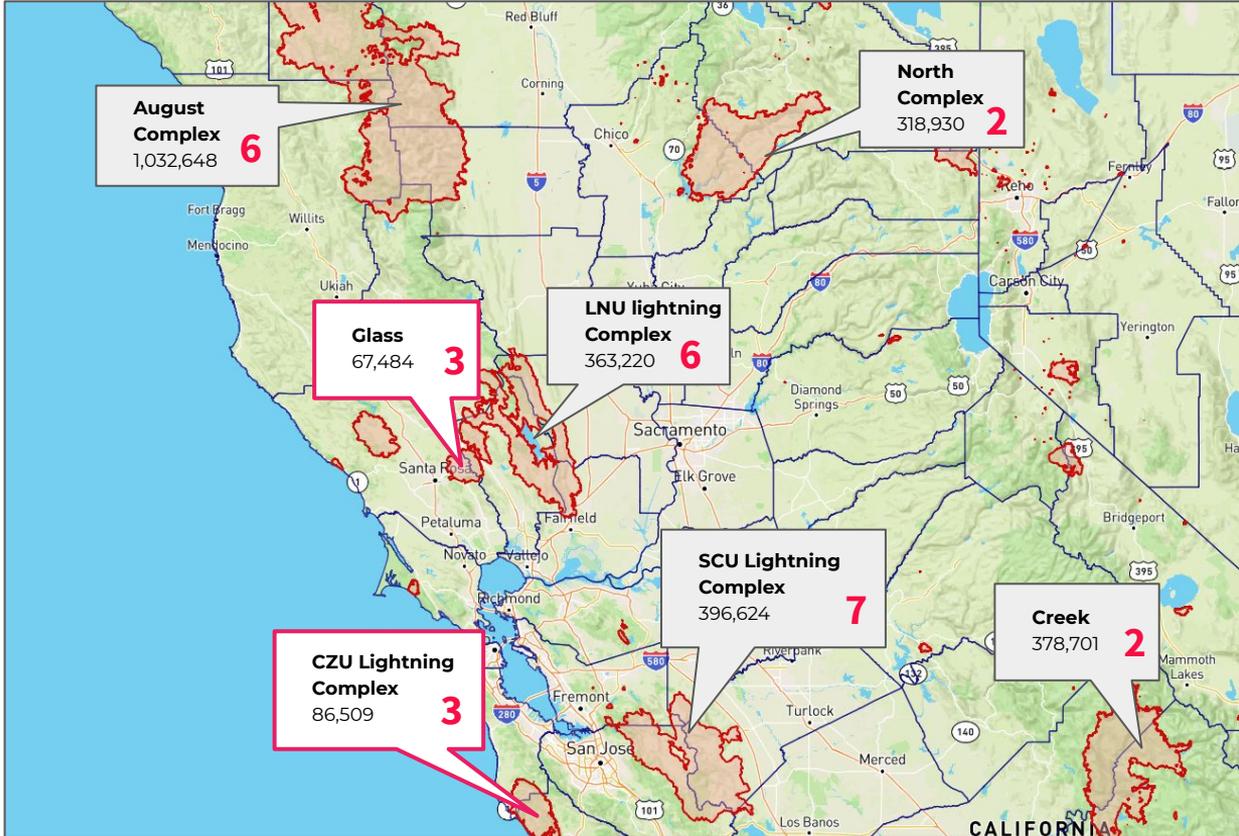


1 Zone - August 18

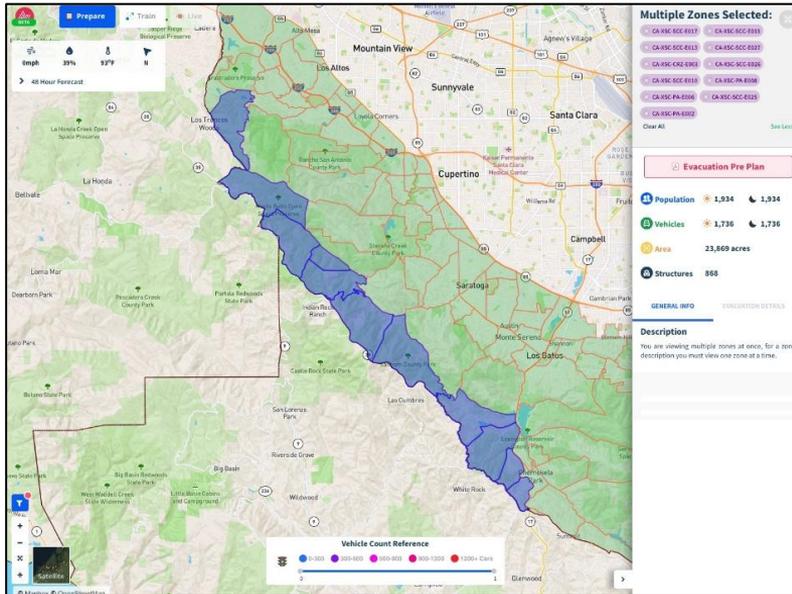


134 Zones - August 23

One Incident - Many Jurisdictions



AUTHORITATIVE SOURCE



CAL FIRE NEWS RELEASE

California Department of Forestry and Fire Protection

CONTACT: Incident Information Line: (831) 335-6717
Media Line: (831) 337-8445

RELEASE DATE: August 23, 2020
6:00 p.m.

CZU LIGHTNING COMPLEX
EVACUATION WARNINGS ISSUED IN SANTA CLARA COUNTY
Due to the potential for thunderstorms capable of producing dry lightning that could start new fires, and gusty and erratic winds that could spread existing fires, an **evacuation warning** has been issued.

WHAT: EVACUATION WARNINGS

WHEN: EFFECTIVE IMMEDIATELY

WHERE: SANTA CLARA COUNTY
Foothills Park to Santa Clara County line, including Los Trancos Open Space.
(Zones: PA-E102)
South of Moody Road, West of Rancho San Antonio Open Space, West of Black Mountain, to Highway 35 (Skyline), (Zones: PA-E101)
Monte Bello Open Space Preserve, south of Monte Bello Road to Highway 35 (Skyline), (Zones: PA-E106)
Upper Stevens Creek County Park to Highway 35 (Skyline), (Zones: PA-E108)
West of Stevens Creek County Park, north of Congress Springs Road, to Highway 35 (Skyline) (Zones: SCC-E025, SCC-E026)
South of Congress Springs Road, West of Sarberns Road, to Highway 35 (Skyline), including Sarberns Skyline County Park. (Zones: SCC-E010, SCC-E028)
South of Lyndon Canyon, West of Highway 17, to Highway 35 (Summit/Skyline), including the community of Redwood Estates. (Zones: SCC-E027, SCC-E013, SCC-E015, SCC-E017)

ROAD CLOSURES:
There are no known road closures in this affected area at this time.

NOTES: An Evacuation Warning is issued when the threat is plausible for fire activity to increase and your residence may be in the affected area.

View the most current evacuation information at:
www.scc.fire.ca.gov/evacuation

8/23

AUTHORITATIVE SOURCE

Multiple Zones Selected:

- CA-HSC-CC-0117
- CA-HSC-CC-0101
- CA-HSC-CC-0113
- CA-HSC-CC-0103
- CA-HSC-CC-0104
- CA-HSC-CC-0105
- CA-HSC-CC-0106
- CA-HSC-CC-0108
- CA-HSC-CC-0109
- CA-HSC-CC-0110
- CA-HSC-CC-0111
- CA-HSC-CC-0112
- CA-HSC-CC-0114
- CA-HSC-CC-0115
- CA-HSC-CC-0116
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- CA-HSC-CC-0121
- CA-HSC-CC-0122
- CA-HSC-CC-0123
- CA-HSC-CC-0124
- CA-HSC-CC-0125
- CA-HSC-CC-0126
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- CA-HSC-CC-0194
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- CA-HSC-CC-0196
- CA-HSC-CC-0197
- CA-HSC-CC-0198
- CA-HSC-CC-0199
- CA-HSC-CC-0200

Evacuation Pre Plan

Population: 3,934 (Current) / 1,934 (Target)

Vehicles: 1,736 (Current) / 1,736 (Target)

Area: 23,869 acres

Structures: 868

GENERAL INFO | EVACUATION DETAILS

Description

You are viewing multiple zones at once, for a zone description you must view one zone at a time.



San Mateo County

Search an address or zone

ZONE: SMC-E019

STATUS: Advisory
See on alert and follow county recommendations

REASON: Please be prepared to leave if conditions change.

DESCRIPTION: Butano State Park Area including Barranca Knolls Community

SUMMARY: This zone encompasses the remote area of Butano State Park, South of Lillie Butano Creek, North and West of the Quarry Link, East of Cloverdale Rd

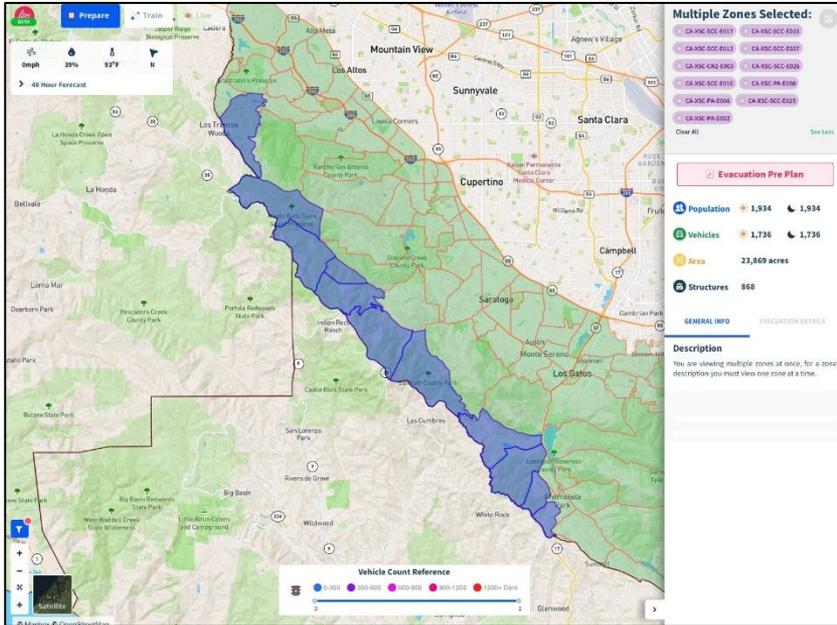
USEFUL LINKS:
Register for SMC Alert
Debris Flow Information
CZU Complex Wildfire Recovery

EVACUATION INFO | FIRE AND POLICE INFO

Temporary Evacuation Points: Pescadero High School, 359 Butano Cal Off, Pescadero, California 94060, United States.

2021-03-30 08:59:25 AM (PST) | Items | Feedback

AUTHORITATIVE SOURCE



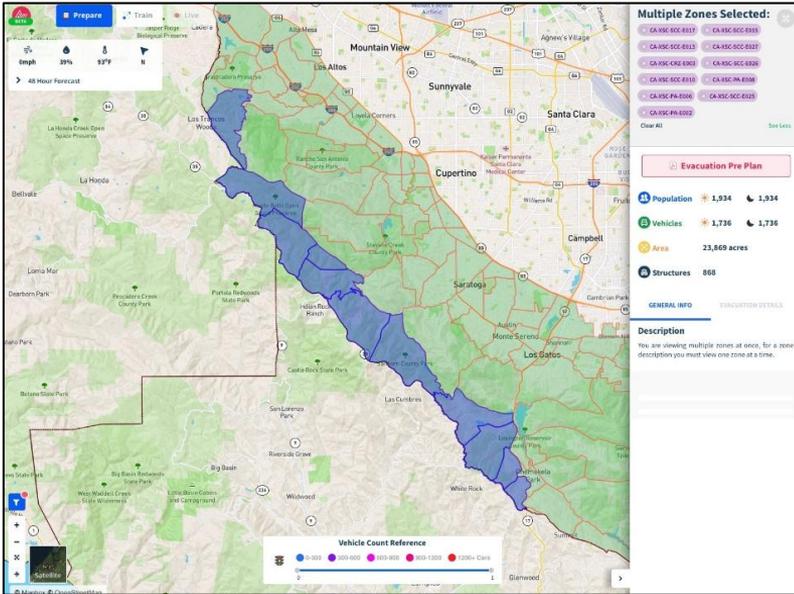
Zonehaven
233 Tweets

#CZULightningComplex

You Retweeted
San Mateo County S.O. @SMCSheriff · Aug 26
Press conference with @CALFHRCZU
and @SantaCruzSO1
8/26/2020

UPDATE:
-80, 137 acres burned
-19% contained
24, 323 threatened
538 destroyed - 11 of those are in San Mateo County

AUTHORITATIVE SOURCE



EVACUATION ORDER CHANGES - CZU LIGHTENING COMPLEX

3 messages

Charlie Crocker <charlie@zonehaven.com> Thu, Sep 24, 2020 at 5:00 PM
 To: Waze Crisis Response <waze-crisis@google.com>, Mayan Bino <mbino@google.com>, Jeff Saunders <jeff@zonehaven.com>, Alan Williams <alan@zonehaven.com>, "Cox, Jonathan@CALFIRE" <jonathan.Cox@fire.ca.gov>
 Bcc: 7546543@cc.hubspot.com

[5] ZONES ARE UNDER EVACUATION ORDER. ALL ROADS IN THESE ZONES SHOULD BE MARKED CLOSED UNTIL FURTHER NOTICE
 [10] ZONES ARE UNDER EVACUATION WARNING. ALL ROADS IN THESE ZONES SHOULD BE MARKED OPEN
 [0] ZONE ARE RECONFIGURED [BLUE]. THESE ZONES REPLACE PREVIOUS ZONES AND ARE DEMARCATED WITH LETTER
 ** SANTA CRUZ COUNTY, CA USA
 ** SAN MATEO COUNTY, CA USA
 ALL ROADS IN THESE ZONES SHOULD BE MARKED CLOSED UNTIL FURTHER NOTICE
 ZONE KML FILES: <https://drive.google.com/drive/folders/1G4LugtmC3rDxwtaNFR0AyZohOCBNj0L8?usp=sharing>
 PUBLIC MAP: <https://community.zonehaven.com/>
 QUESTIONS: support@zonehaven.com

zname_l	zname_s	zstatus	status
CA-XCZ-BOU-E020	BOU-E020	2	WARNING
CA-XCZ-BOU-E021	BOU-E021	2	WARNING
CA-XCZ-BOU-E022	BOU-E022	2	WARNING
CA-XCZ-BOU-E030	BOU-E030	2	WARNING
CA-XCZ-BOU-E031	BOU-E031	2	WARNING
CA-XCZ-BOU-E036	BOU-E036	2	WARNING
CA-XCZ-BOU-E037	BOU-E037	2	WARNING
CA-XCZ-CRZ-E001	CRZ-E001	3	ORDER
CA-XCZ-CRZ-E003B	CRZ-E003B	2	WARNING
CA-XCZ-CRZ-E010B	CRZ-E010B	2	WARNING
CA-XCZ-CRZ-E010C	CRZ-E010C	3	ORDER
CA-XCZ-CRZ-E010D	CRZ-E010D	2	WARNING
CA-XSM-SMC-E019	SMC-E019	3	ORDER
CA-XSM-SMC-E038C	SMC-E038C	3	ORDER
CA-XSM-SMC-E098B	SMC-E098B	3	ORDER





Pre-planning

Increase operational efficiency

PREPLANS



PAGE 1

Zone Description
Human-readable description of the zone extents. Makes mutual aid easy and is used for alerting.

Scan QR code to view on different devices

Official Zone Number (ID)
Every zone has a unique name regardless of the region or jurisdictions it is located in. All zone information and alerting functions are tied to this unique ID.

Official Zone Name:
CA (state)
XSM (Los county) -
SSF (city code) -
E001 (zone number)

Zone Map

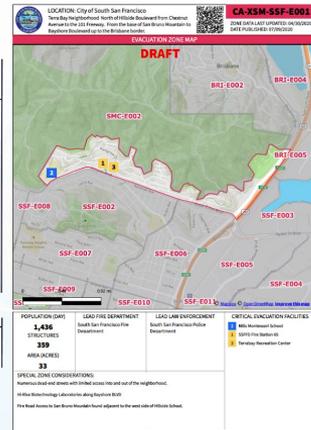
Full extent of the zone with Critical Evacuation Facilities like schools, hospitals, and nursing homes.

Zone Information

Important information for each zone like estimated population for daytime and night time, count of structures and area in acres. (Note: a single structure may have multiple addresses).

Jurisdiction Responsibilities

List of assigned Law, Fire or City agencies for the zone including adding Highway Patrol, Commercial (i.e. Shell Oil Fire) or Park Fire and Police.



PAGE 2

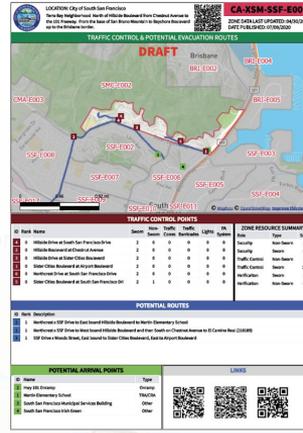
Regional Map
Shows all potential Traffic Control Points (TCPs), Routes, and Exit Points related to a single zone.

Potential Routes and Exit Points

Lists predefined routes and exit points. Exit points are where a route ends and the person is considered evacuated.

Critical Evacuation Facilities

Critical Evacuation Facilities are specific institutions or locations with concentrated numbers of people that might need additional time or assistance during an evacuation



Dates

Date created is first time this map was deployed. Date updated shows when changes were last made. Make sure you are always using the latest version.

Traffic Control Points

Traffic Control Points, also known as Access Control Points are set up at critical points along an evacuation route to control the movement of vehicles and personnel. Includes information on the purpose and resources needed for each TCP.

Arrival Points

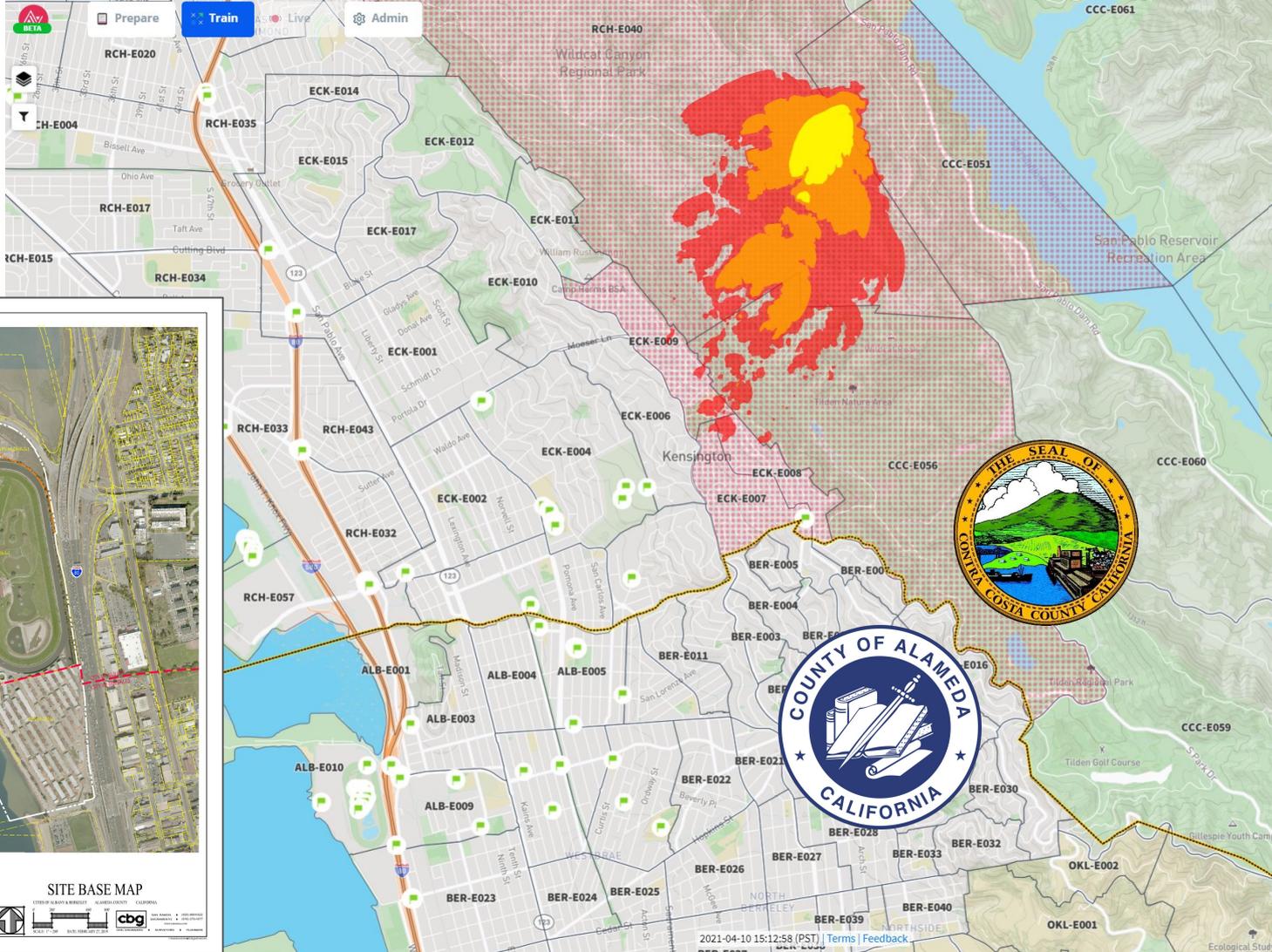
List of predefined Arrival Points. This is any facility or point of entry into a host-state/jurisdiction that assists evacuees. Arrival points may include transfer points and reception processing site, welcome centers and information points (for self-evacuees), shelters, and other congregate facilities.

Key Links

Up to four QR Code links with brief descriptions. These links can be to other agency sites or documents.

land Landing

Emmaton

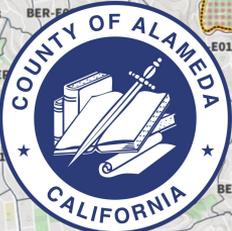


DRILLS & TRAINING

SITE BASE MAP
 CITY OF RAYNOR & BERKELEY | ALAMEDA COUNTY | CALIFORNIA

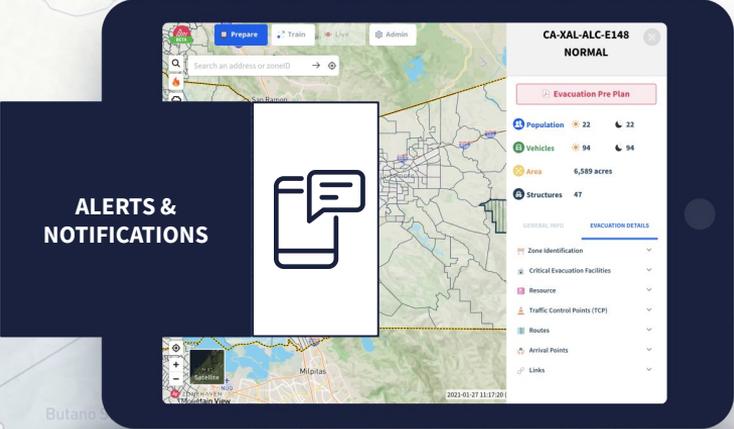
LEGEND

- EXISTING IMPROVEMENTS
- PROPOSED IMPROVEMENTS
- STREET
- RAILROAD
- WATERWAY
- BOUNDARY
- ADJACENT JURISDICTION



Multi-channel notifications

Simple, reliable communication



Community Site



Integrations



Social Media



Email



Press Release



Community coordination

Community Awareness & Preparation

KNOW YOUR
ZONE



I'm **prepared.**

KNOW YOUR
ZONE
myzone.zonehaven.com

My Zone Number

SM-E014

Be **prepared** for the
next **emergency.**

myzone.zonehaven.com



New Almaden

COMMUNITY
OUTREACH



Stay one
step **ahead,**
with **Zonehaven**

Evacuation resources and information to help
you stay informed, prepared, and safe.

Find your zone now >

Subscribe to alerts >

Big Basin Redwoods
State Park

Boulder Creek

Summit

Mount Umunhum

Sierra Azul Open
Space Preserve

Mountain Home

68

Be **prepared** for the
next **emergency.**

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KNOW YOUR
ZONE

 Clear Channel

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Together, we can build a safer community.



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 www.linkedin.com/in/charliecrocker

For more information visit: <https://www.zonehaven.com>