ATAK

Evac Zone

Plug-in Version: 0.6
ATAK 5.8.0
10 November 2026



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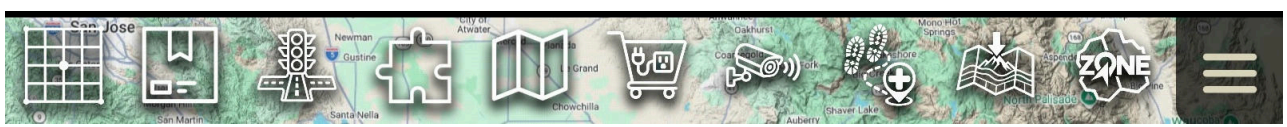
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Overview

Evac Zone puts evacuation zones on the ATAK map, from the agencies that publish them. Every zone is drawn in one color language whatever its agency calls the status, so an Order in one county looks like an Order in the next, and each zone carries its name.

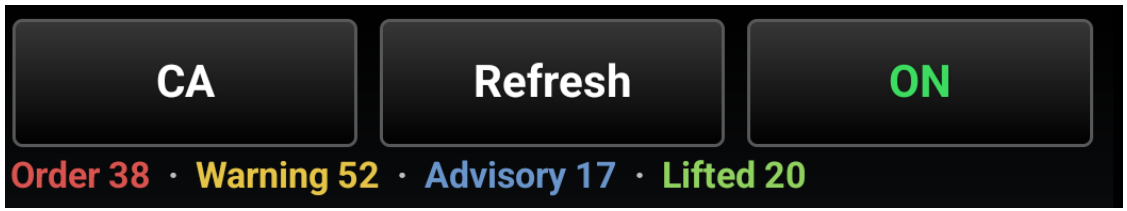
You pick a state and turn it on. Narrow to the counties you work if you want. Tap a zone for everything the agency publishes about it, or find it by name in the list and go to it.

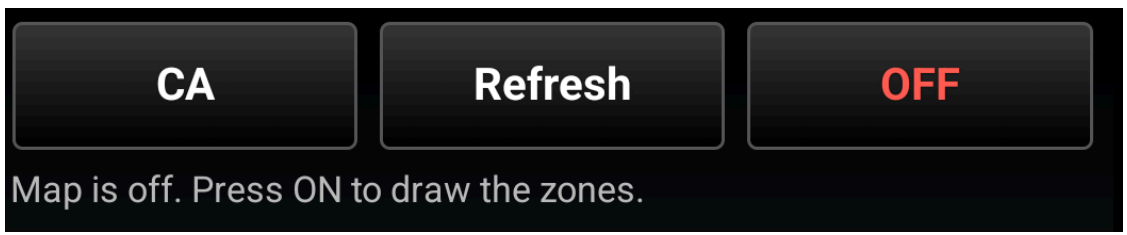
Nothing here needs an account or a key. The zones are public; Evac Zone finds them, keeps them current, and says where they came from.



Open it from the ATAK toolbar. The ZONE badge sits with the other tools; tapping it again closes the pane, so it is one tap on and one tap off when you want the map to yourself.

The pane





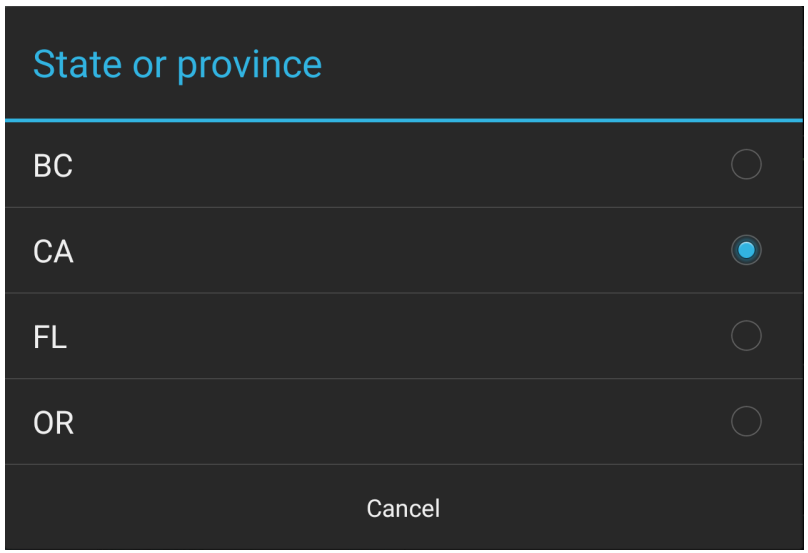
The **state** button names the state that is up. **Refresh** fetches now.

ON / OFF is the map's switch. OFF takes every zone off the map and remembers what you had on; ON puts it back. While it is off the pane says so, in words.

Under the buttons, the counts of what is on the map: Order, Warning, Advisory, Lifted, in the colors the map uses. They follow whatever you narrow to below.

Everything below scrolls: the state's feed, the counties, the visibility tools, and the zone list. The top row stays put.

Pick a state

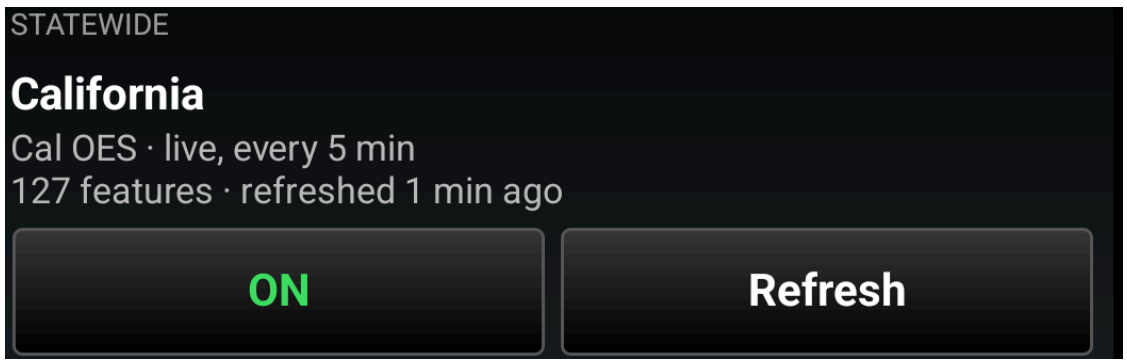


Just the states. Pick one and the pane shows that state's feed and its counties.

Built and tested in California. Oregon and British Columbia carry their agencies' live orders and alerts. Florida carries hurricane zones for two counties and North Carolina its coastal zones for 21, lettered A to E, with no live status; the county calls zones by letter.

A state that is not here is one whose data has not been found yet. Point us at it and it goes in.

The state's feed

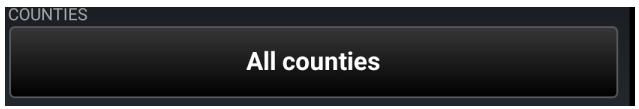


One row per state. The row says who publishes it and how often it refreshes.

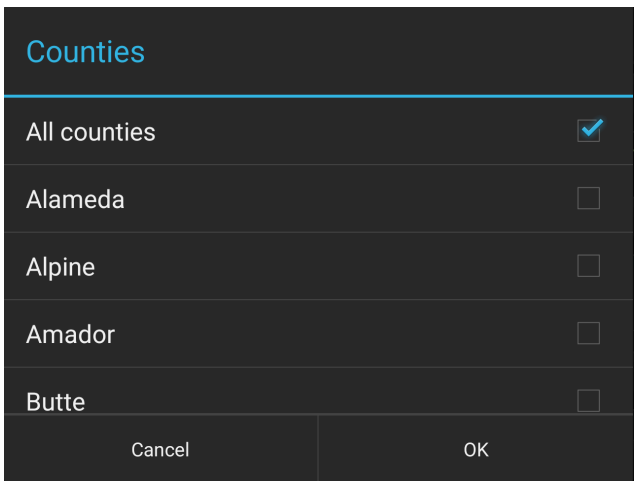
ON loads it and draws it. From then on the row shows how many zones it holds and how long ago it refreshed. **Refresh** fetches now; a live feed also refreshes on its own.

California is Cal OES's orders and warnings, refreshed every five minutes, with CAL FIRE's reason and population, its lifted zones, and the county feeds folded in, so one zone is drawn once. Oregon is OEM's levels: 1 Be Ready, 2 Be Set, 3 Go Now. British Columbia is its orders and alerts.

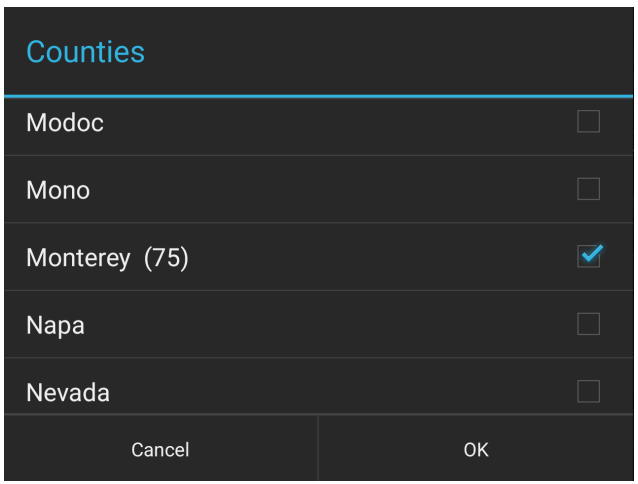
Counties



All counties is the whole state. Tap it to narrow.

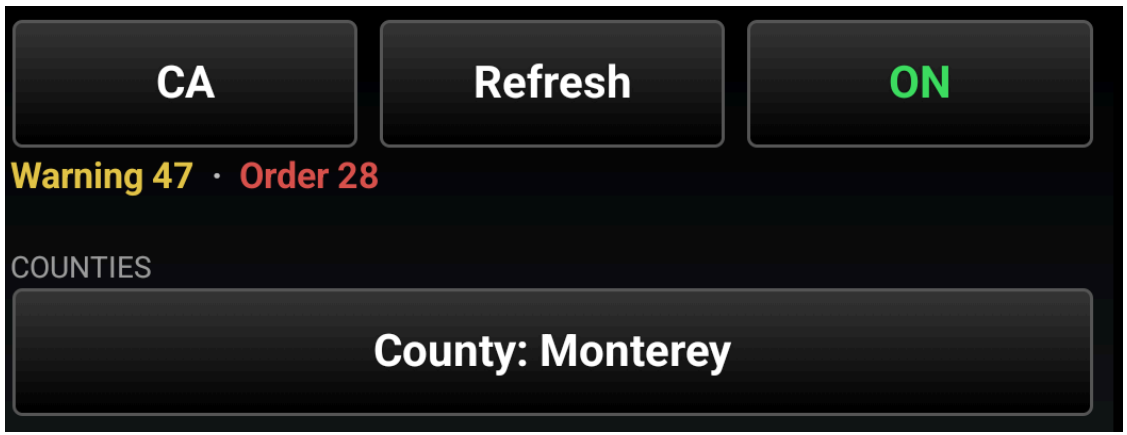


Every county of the state is listed. The number beside a county is how many zones the feed has there right now; no number means nothing is happening there.



Tick one or many and press OK. Tick **All counties** to clear it.

Narrowed to a county



The button names what is picked. The map, the counts and the zone list all narrow to those counties, so the pane and the map say the same thing.

Every start is **All counties**. A pick lasts for the session and does not follow you into the next one.

Reading the map



One color language, whatever the county calls it:

Red Evacuation Order, Level 3 Go Now, Mandatory

Yellow Evacuation Warning, Level 2 Be Set, Voluntary, Alert

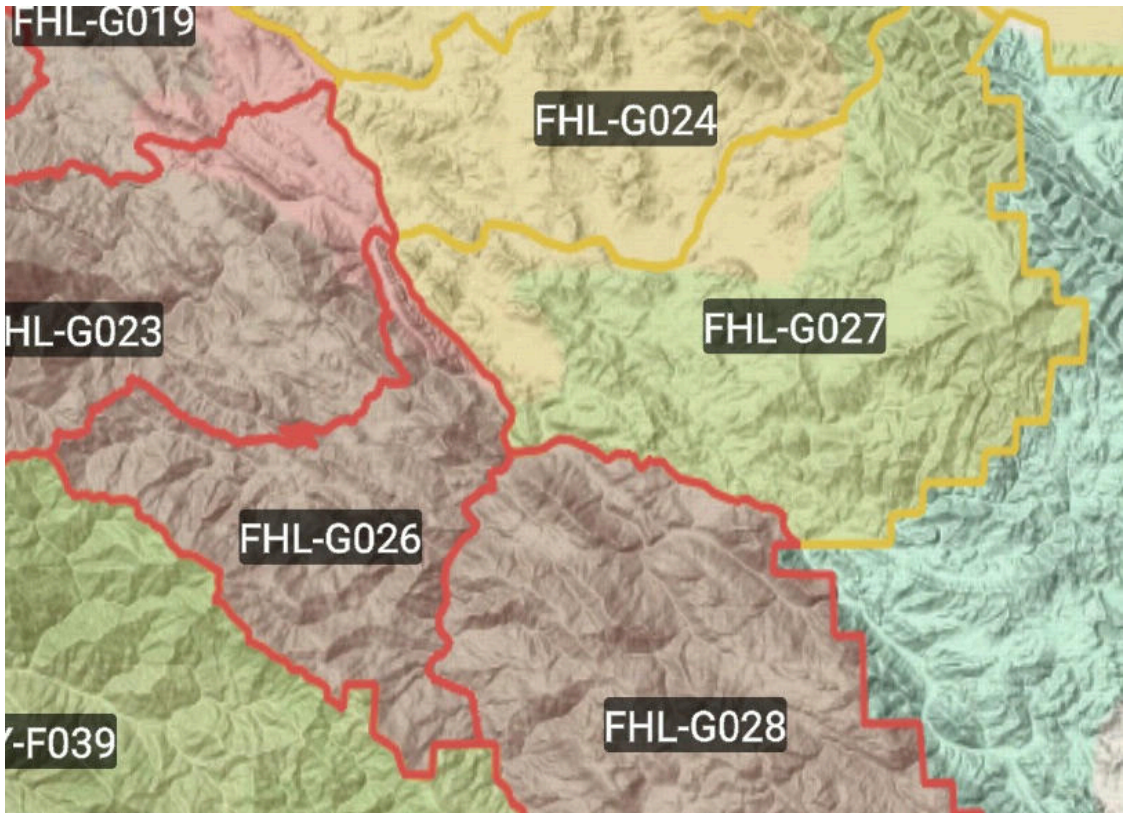
Blue Advisory, Level 1 Be Ready

Purple Shelter in Place

Green Lifted, Cancelled, All Clear, Repopulation

Faint Normal, no evacuation. **White** a status the plugin does not know.

Every zone carries its name

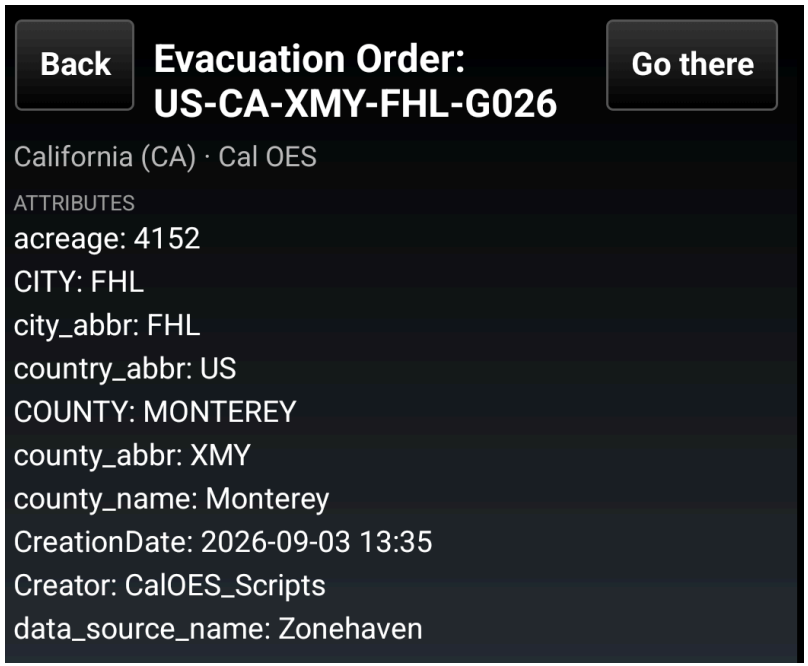


The zone's id is drawn at its center, the short way the agencies say it: FHL-G026, not the full US-CA-XMY-FHL-G026. The full id is in the details.

These colors are the ones Genasys Protect uses on the public site, so a zone looks the same to you and to a resident reading their phone.

The zone is one thing on the map: tap the name or the area and you get the zone.

A zone's details

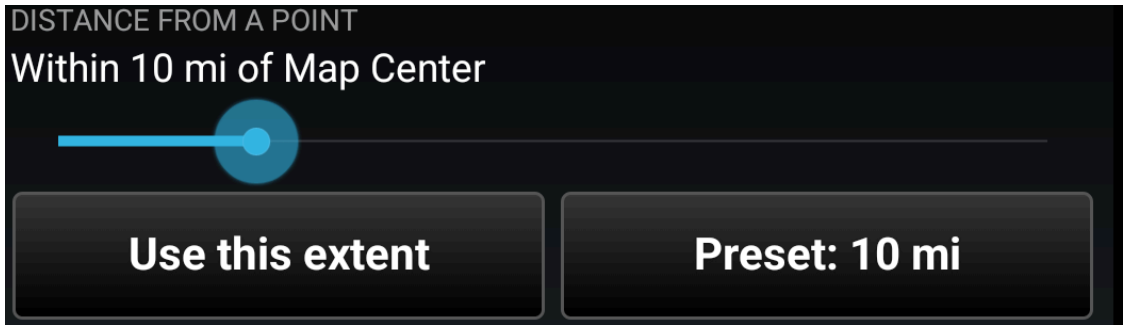


Tap a zone on the map, or **Details** on a row in the zone list. You get the status and the id, the state and the agency it came from, and every attribute the agency publishes: county, reason, population where they give it, when they last edited it.

Go there frames the zone on the map and keeps the details open.

Back closes them. From the list it puts the pane back where you were.

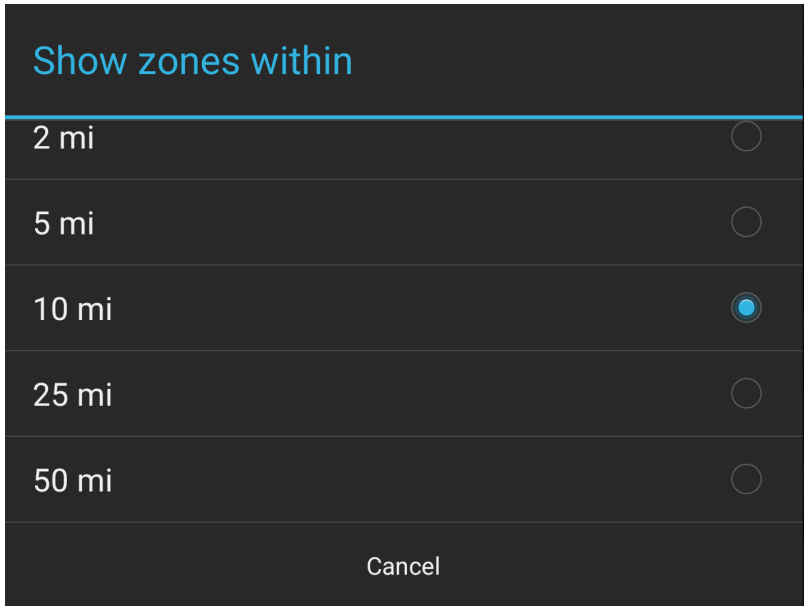
Distance from a point



Limit what is drawn to a radius around the map center, or around you. The slider is in your own ATAK units, and the label reads the distance and the point it is measured from.

Use this extent takes what you are looking at as the radius.

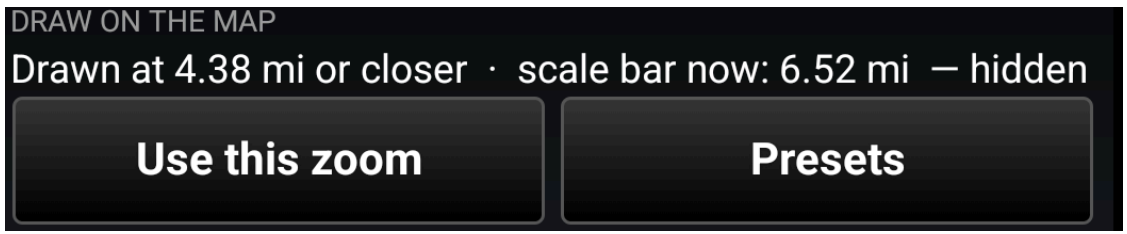
All the way left is off: the whole state.



Preset opens with the current one ticked.

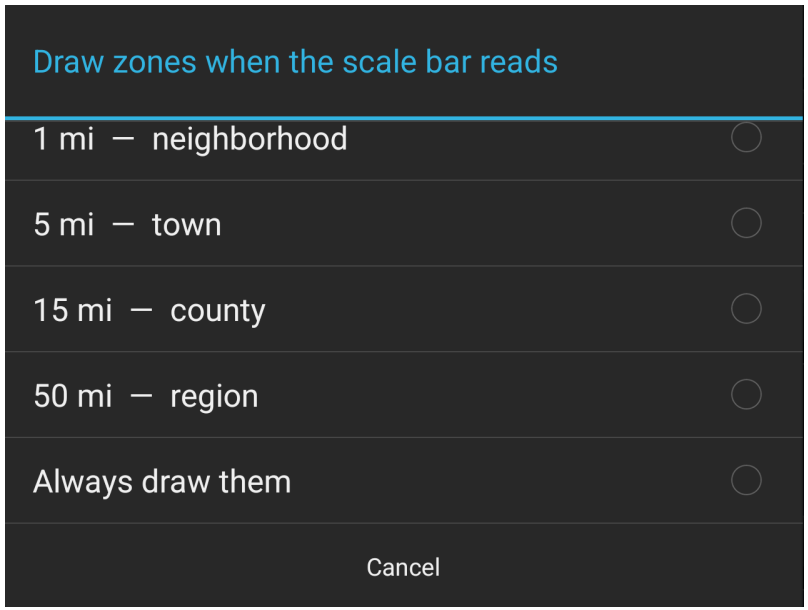
Which point it measures from is the **Nearest to** choice down by the zone list: the map center follows the map as you pan; My Location travels with you.

Draw on the map



Hold the zones until you are zoomed in past a threshold. The readout quotes ATAK's own scale bar, so the pane and the map agree, and it says **hidden** when the map is outside it.

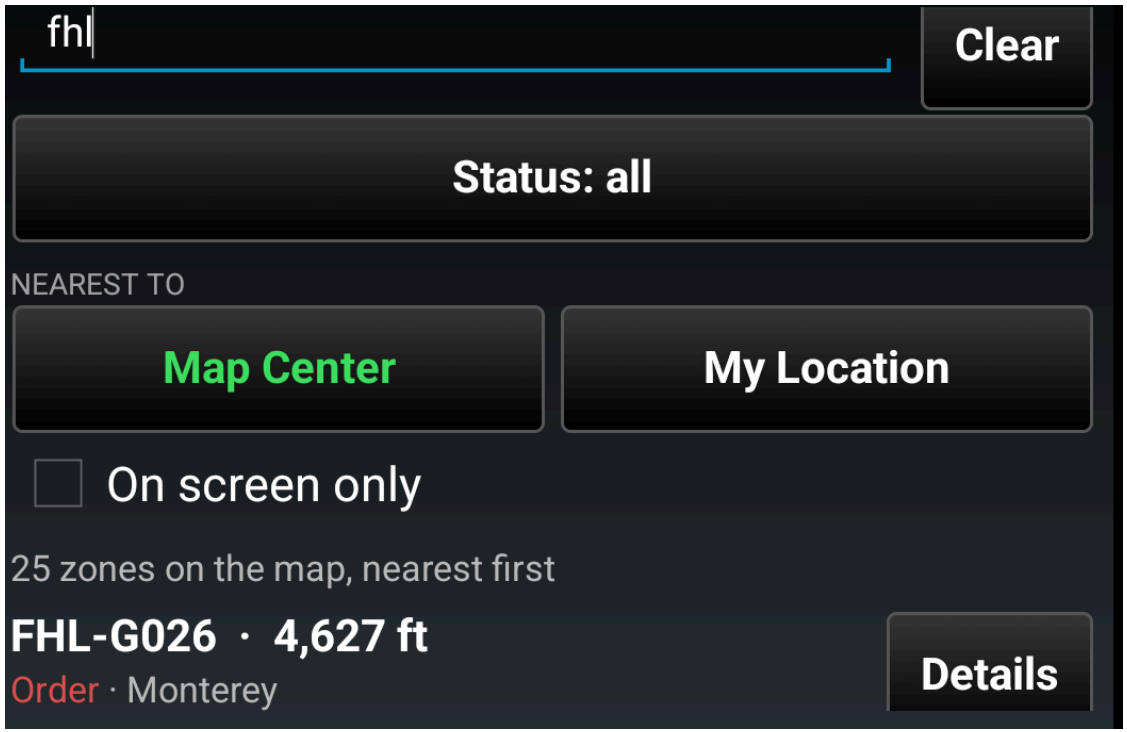
Use this zoom takes the scale you are looking at as the threshold. No number to interpret: you set it by example.



Presets are named for what they are for, from a neighborhood to a region, with **Always draw them** at the end.

Going to a zone knows about the threshold: if framing it would land outside, the map zooms in past it, so a tap never takes you somewhere and shows you nothing.

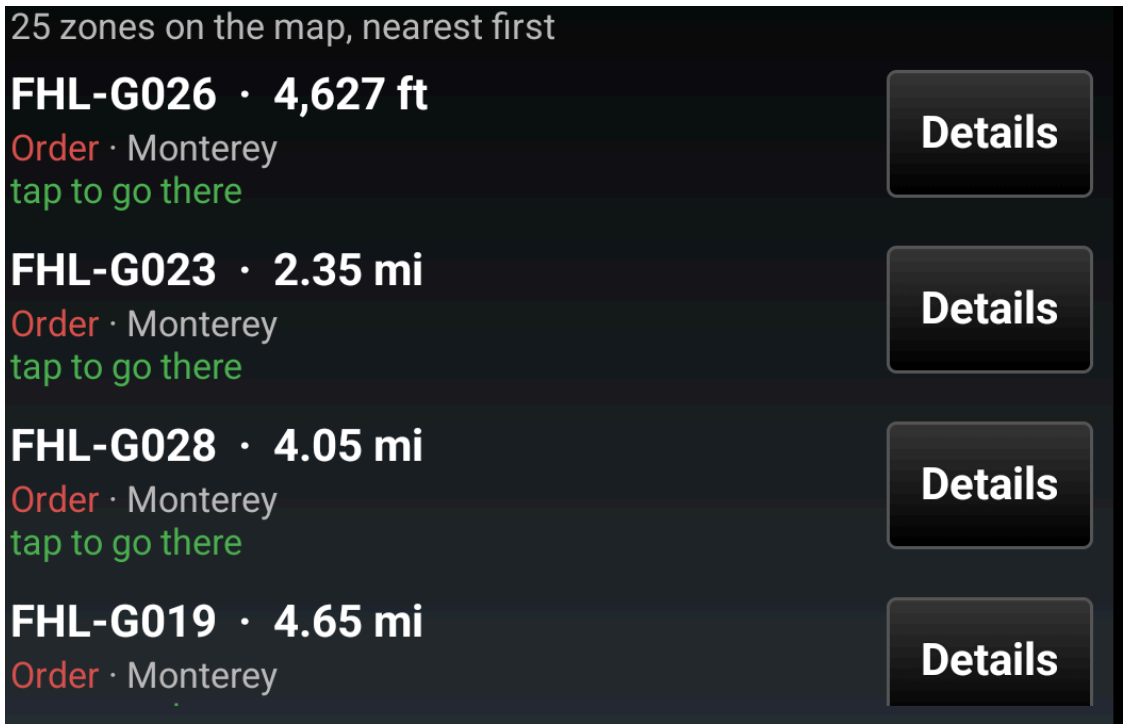
The zone list



Every zone on the map for this state. Type part of an id, a name or a county to narrow it; **Clear** empties it. The keyboard covers the rows while you type; press the phone's Back key once and they show.

Status narrows the list to one status. **Nearest to** is the point the distances are measured from. **On screen only** keeps the list to the current map view.

Reading a row

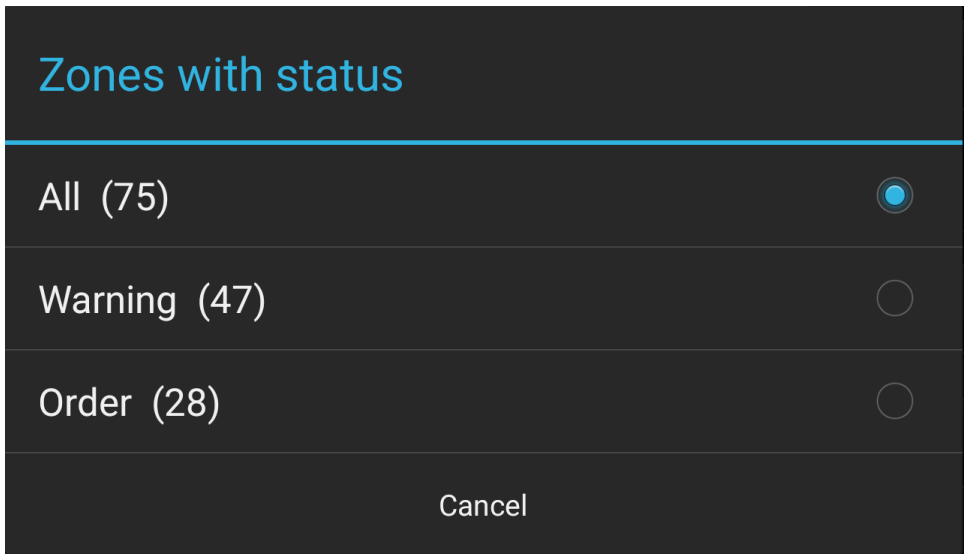


Rows are nearest first, with the distance on each: the zone's id, then its status and county in the status color.

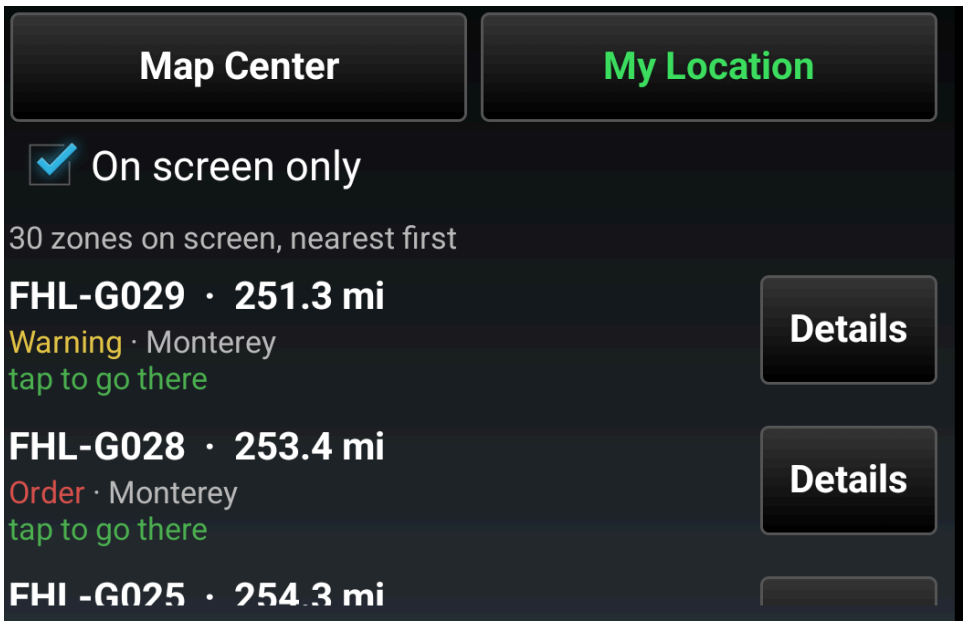
Tap the row and the map goes there. **Details** opens the zone's details.

The list shows what is on the map, and only that. If the counties or the radius trimmed a zone away, it is not in the list either.

Status, and which point



Status offers each status with its count, so the filter says what it costs before you use it.



Nearest to is the map center or you, and the chosen one is green. **On screen only** follows the map as you pan.

When something is off

“Map is off. Press ON to draw the zones.” The big switch is off. Press ON.

“Zoom in to see the zones.” You are zoomed out past your threshold. Zoom in, or set the threshold to **Always draw them**.

A row reading STALE kept its last zones after a refresh that failed, and says why. Nothing is taken off the map because a server did not answer; the next refresh tries again.

A feed that shows 0 zones between incidents is telling the truth. Most feeds publish nothing until something is happening.

A quiet map with counts in the pane is usually a county pick or a radius left on from earlier. Both say so on their buttons; the counties reset every start.

Where the zones come from

The catalog lists public ArcGIS services: state emergency management (Cal OES, Oregon OEM, EmergencyInfoBC, NCEM), CAL FIRE, and the counties and cities that publish their own zone maps. It is read from takwerx's server when the plugin starts, so a feed can be added or corrected without a new plugin, and the copy built into the plugin is used when there is no connection.

One state, one feed. Where several agencies publish the same zones, the state agency is the authority for status and the others add what they know: the reason, the population, a zone the state has not drawn. A zone appears once.

Every feed was checked before it went in: that it answers, that it names the fields it claims, that it is small enough for a phone, and that a feed calling itself live has actually been edited this year. A county whose own layer went stale is dropped, and its live status comes through the state.

What is not shown: zones that no agency publishes; anything hidden by the zoom threshold, or trimmed by the radius or the county pick, which the pane says in words.

What it needs

- ATAK-CIV 5.6, 5.7 or 5.8; a build for each is published.
- Internet access to fetch zones. HTTPS only, to takwerx's catalog and to the public ArcGIS services the catalog lists. A state that has been fetched keeps drawing without a connection and says how old it is.
- Nothing is sent from the phone: no location, no callsign, no identifiers. Your position and the map center are used only to measure distances.
- A few megabytes of storage per state that is on.

This guide, on the device. Settings → Tool Preferences → Evac Zone → **User manual** opens this guide as a PDF on the phone. It is the copy that matches the plugin you have installed.

Problems, and states to add: https://github.com/takwerx/evac-zone/issues