ATAK

LCES

Plug-in Version: 0.2
ATAK 5.8.0
10 November 2026



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Overview



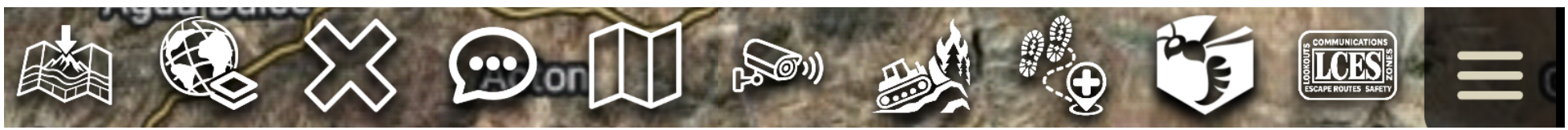
Lookouts, Communications, Escape Routes, Safety Zones. LCES puts the wildland fire Incident Response Pocket Guide (IRPG) one tap away in ATAK, and puts the lessons other crews learned the hard way on the map, where they happened.

- **The IRPG:** every page of the NWCG Incident Response Pocket Guide (PMS 461, January 2025), with its tables and diagrams, in the book's own section colors.
- **Lessons Learned:** more than 2,300 burnovers, entrapments, fatalities, near misses and injuries from the Wildland Fire Lessons Learned Center, on the map and in a list nearest first.
- **One search box** for both.

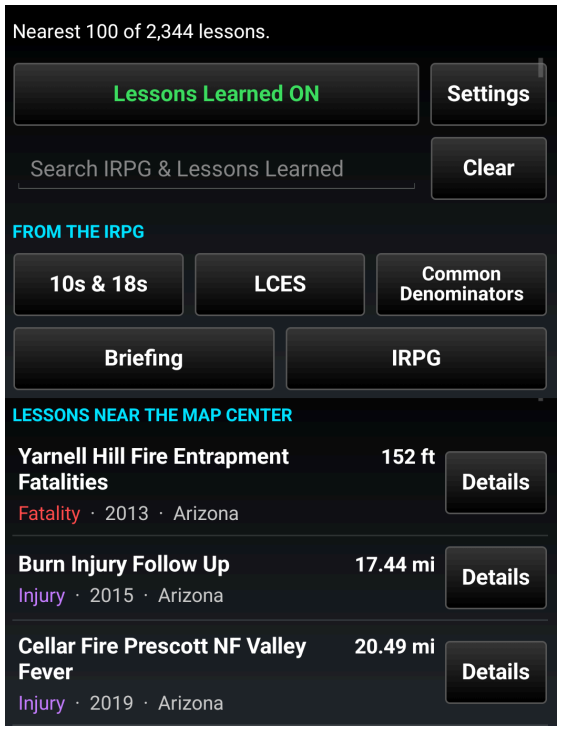
Before you start

- **Match the plugin to your ATAK version.** Builds are tied to the ATAK release they were built against; 5.6, 5.7 and 5.8 builds are published.
- **It works with no signal.** The whole IRPG and the whole lessons list are inside the plugin. With a network, it checks once a day for a newer lessons list.
- **Nothing is sent from your device.** LCES creates no markers for anyone else and does not talk to your TAK server.

Load it from ATAK's Plugins manager (TAK Package Mgmt) like any other plugin, then open it from the toolbar with the LCES icon:



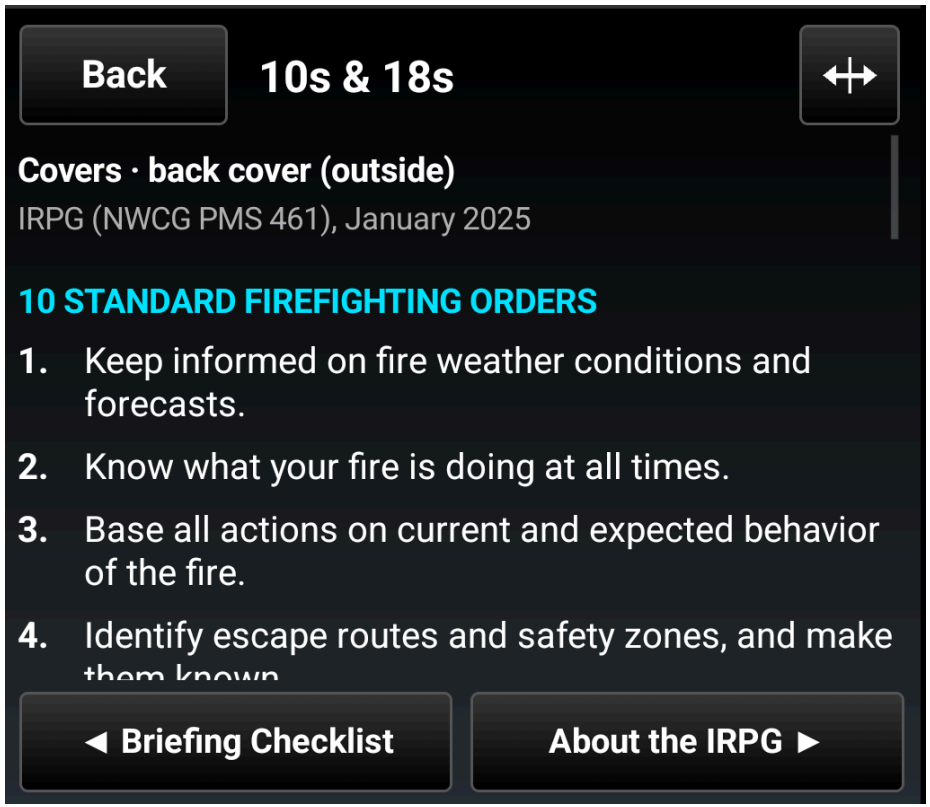
The main screen



- **Lessons Learned ON / OFF** puts the lessons on the map or takes them off.
- **Settings:** text size, which lessons to show, and the map key.
- **Search** covers the IRPG and the lessons at once.
- **FROM THE IRPG:** the pages read every shift, one tap away.
- **Lessons near the map center:** the closest lessons first, with the distance. **Details** opens one.

The line at the top says how many lessons the list and the map are showing.

The IRPG tiles



The tiles under **FROM THE IRPG** open the pages read every shift:

- **10s & 18s:** the 10 Standard Firefighting Orders and 18 Watch Out Situations.
- **LCES**, the **Briefing** Checklist, and the **Common Denominators** of fire behavior on tragedy fires.
- **IRPG:** the book's contents.

The buttons at the bottom go to the page before and the page after, as turning a page in the book.

The whole book

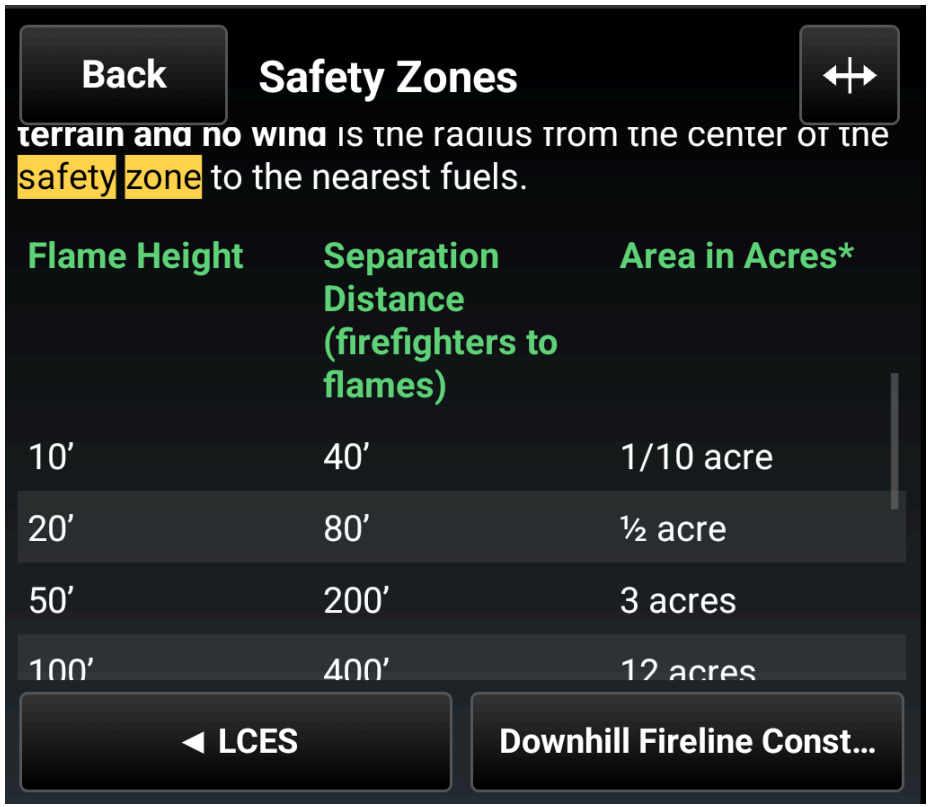


IRPG opens the contents, in the book's own sections and colors. Tap a section to open its list of pages.

Continue takes you back to the last page you read.

The arrows button at the top right makes the pane wide, for tables and diagrams. Tap it again, or Back, for half width.

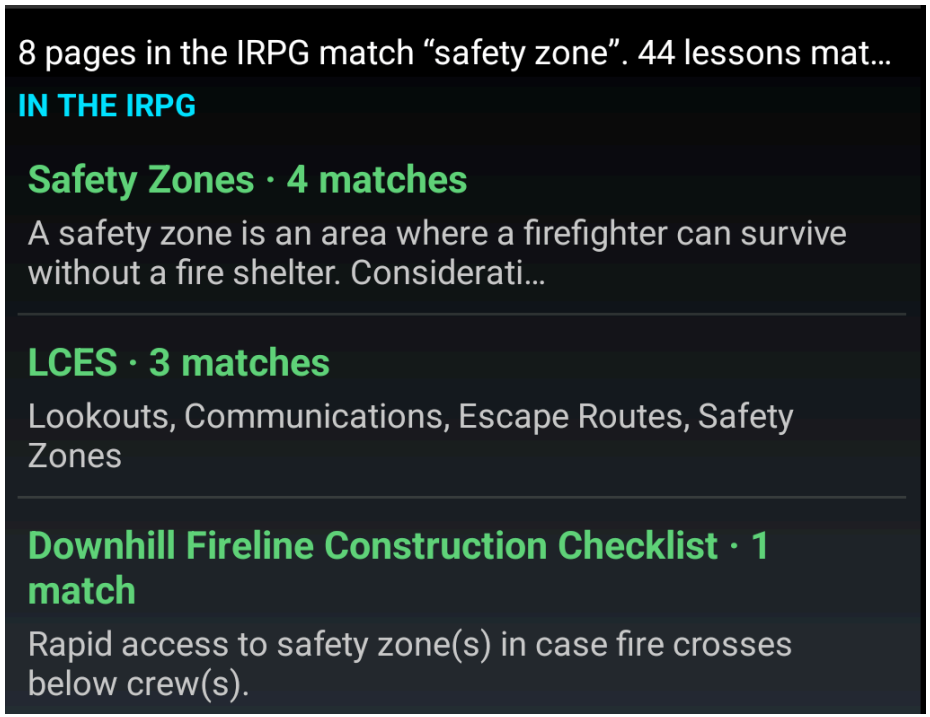
Tables and diagrams



Tables and diagrams are the book’s own, so the numbers are exactly what the IRPG prints.

For larger text, open **Settings** from the main screen and set **Text size: Large**.

Search

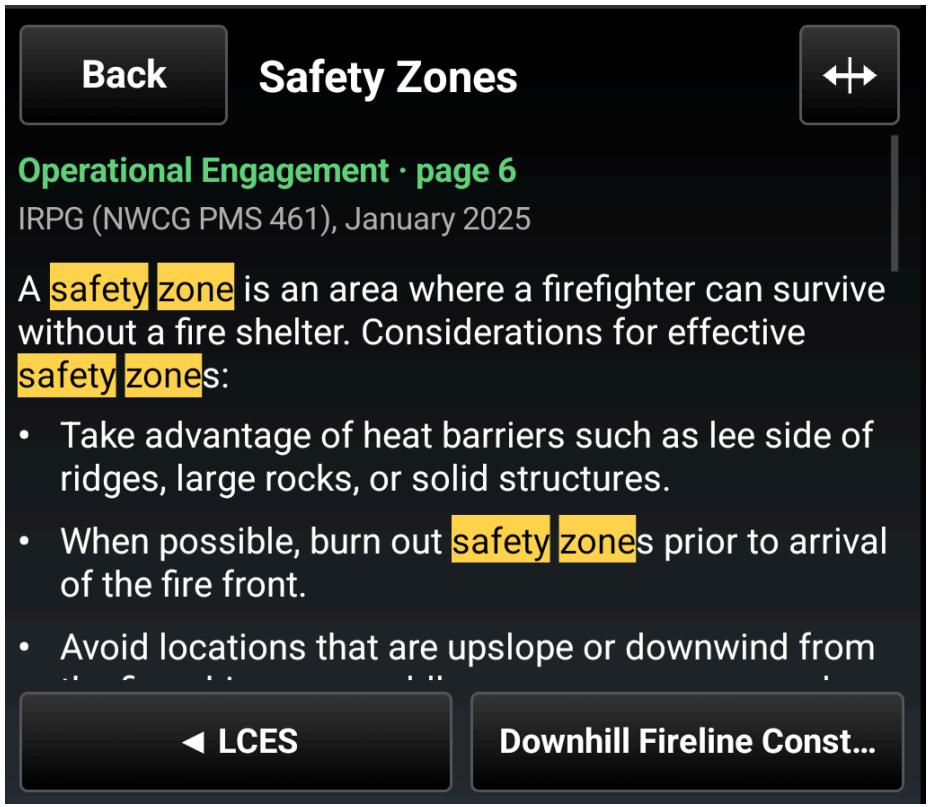


Type in the search box on the main screen. The list shows the IRPG pages that match first, then the lessons.

The line at the top says how many of each matched.

A search also filters the map to the lessons it found. **Clear** puts everything back.

A page from a search



Tap an IRPG result and the page opens with the words you searched for marked in yellow.

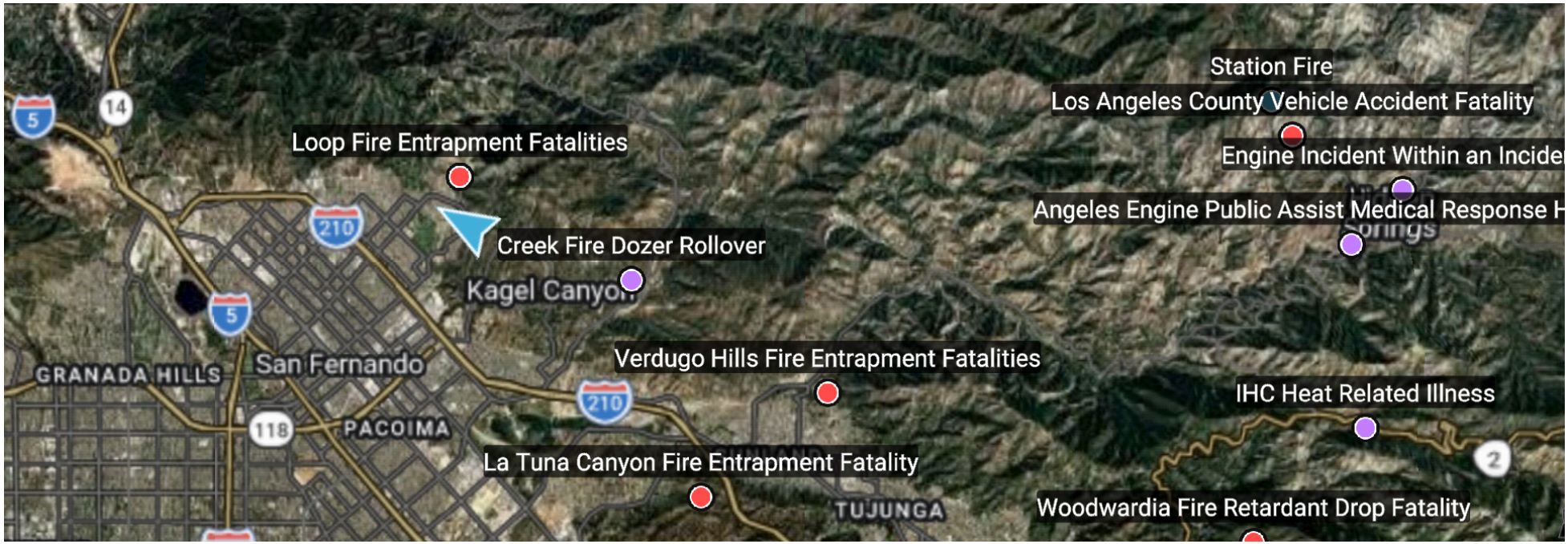
Back returns to the results.

Lessons on the map



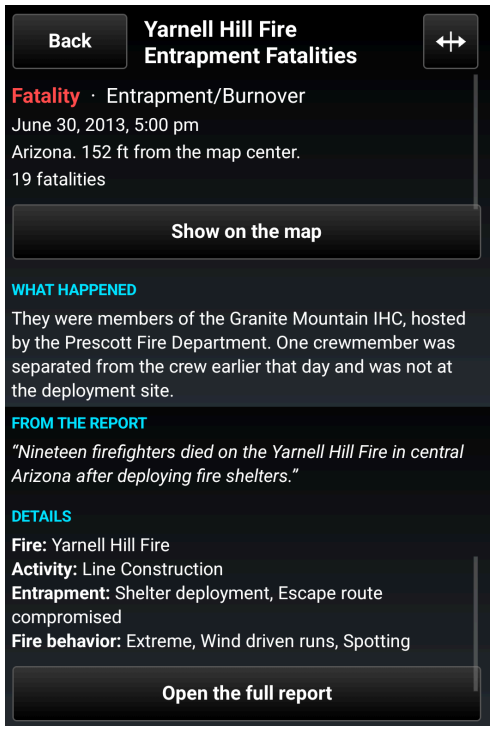
Every lesson is a dot where it happened, in the color of its type. Zoomed out, ATAK shows some of the names; zoom in to see them all.

Zoomed in



Each lesson carries its name. Tap a dot to open its page.

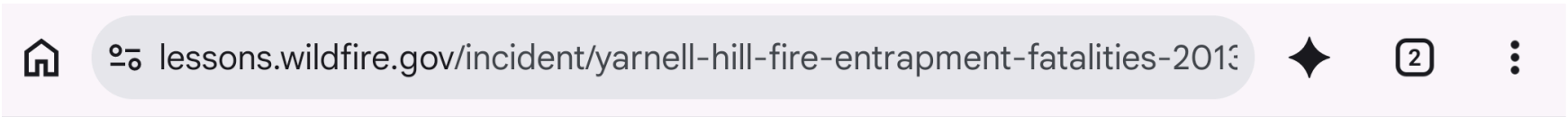
A lesson's page



- The type, the date, where it happened and how far away, and the toll.
- **Show on the map** centers the map on it.
- **WHAT HAPPENED** and **FROM THE REPORT:** the Center's own words.
- **DETAILS:** the activity, the entrapment and the fire behavior.

Open the full report opens the Center's report in your browser. It needs a network.

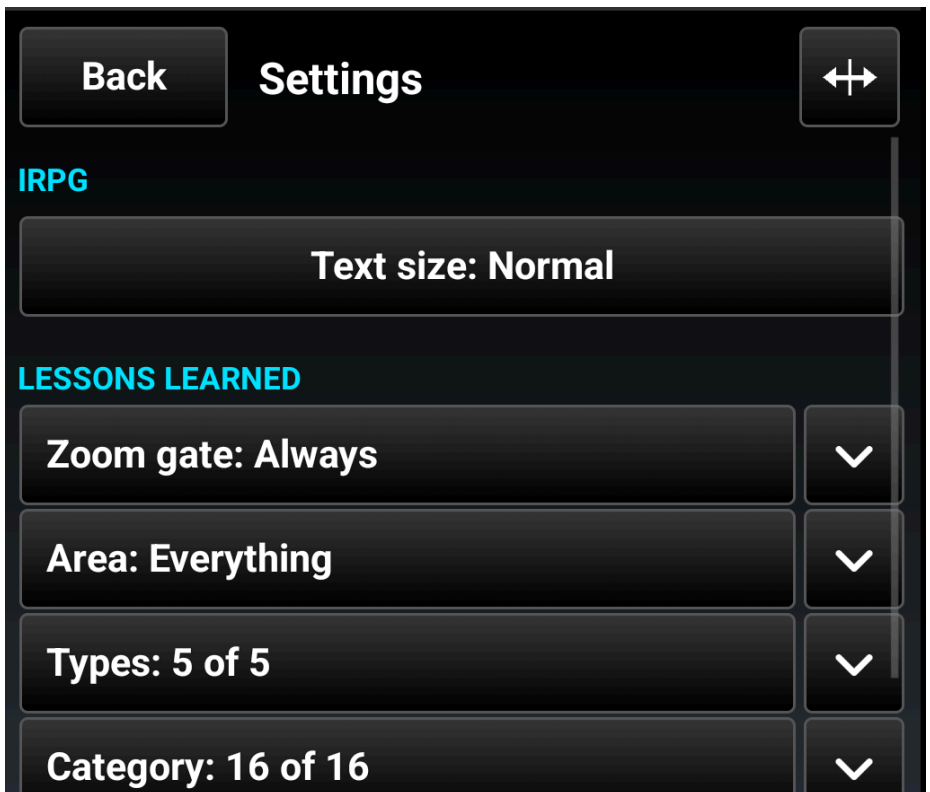
The full report





The report on lessons.wildfire.gov, the Wildland Fire Lessons Learned Center's own site.

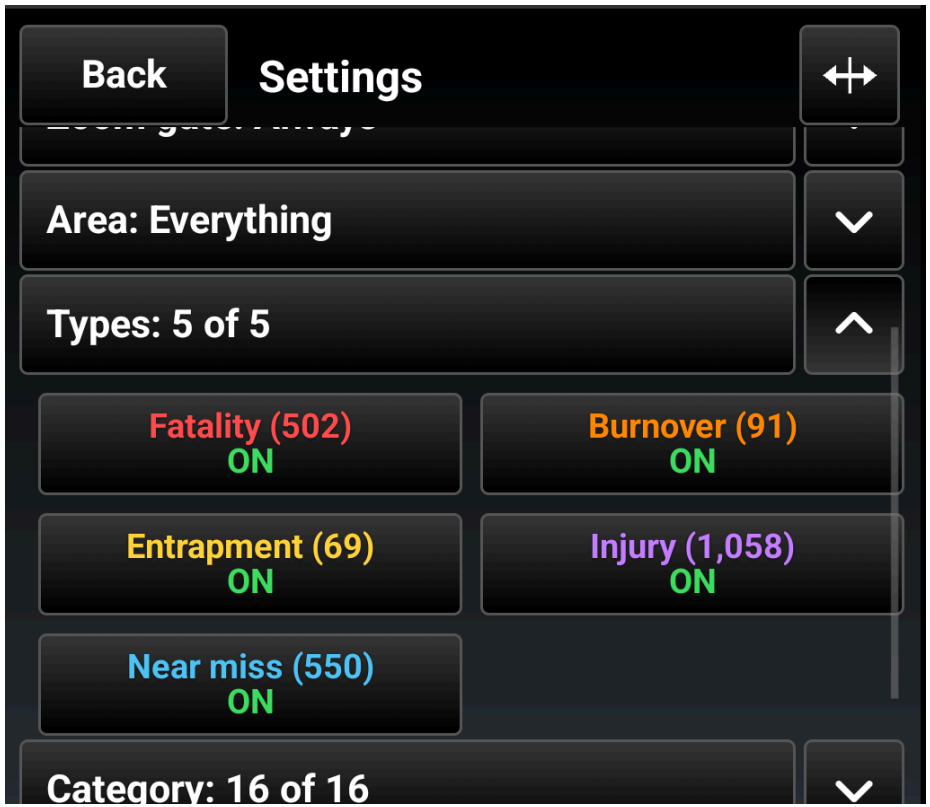
Settings



Settings on the main screen.

- **Text size:** Normal or Large, for every IRPG page.
- **Zoom gate:** hide the lessons when the map is zoomed out past a distance you pick, so a wide view stays readable.
- **Area:** everything, or only lessons within a distance of your location or the map center.
- **Types** and **Category:** see the next pages.
- **Map key:** what each color means.

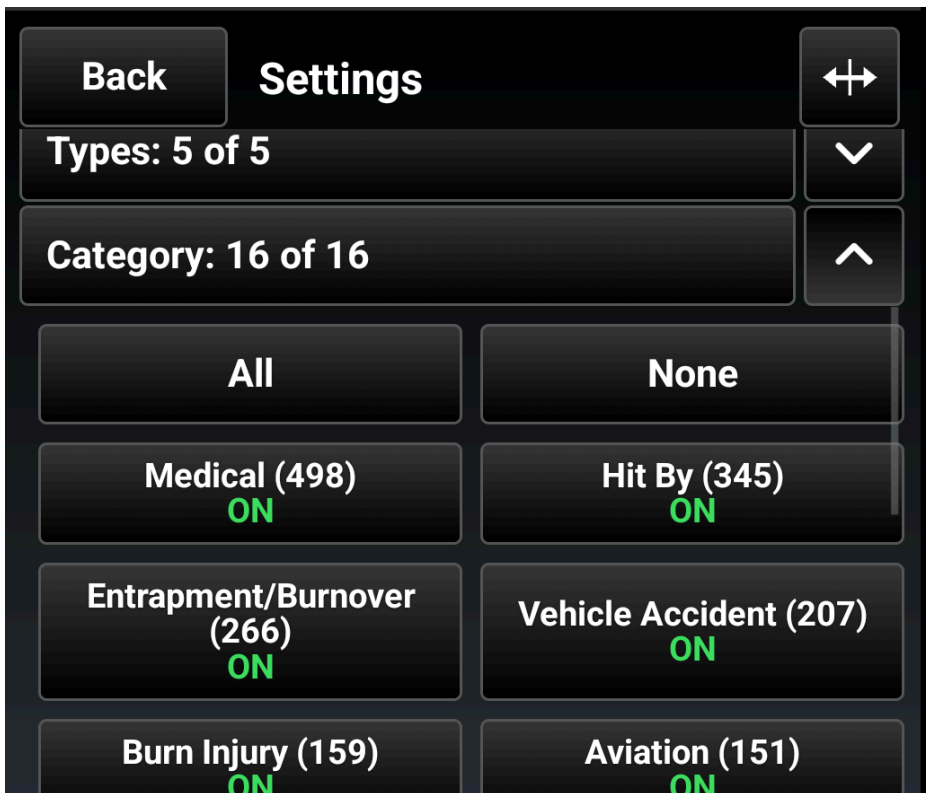
Types



Five types, each in its color on the map, with how many there are. Tap one to turn it ON or OFF.

The list on the main screen and the map always show the same lessons.

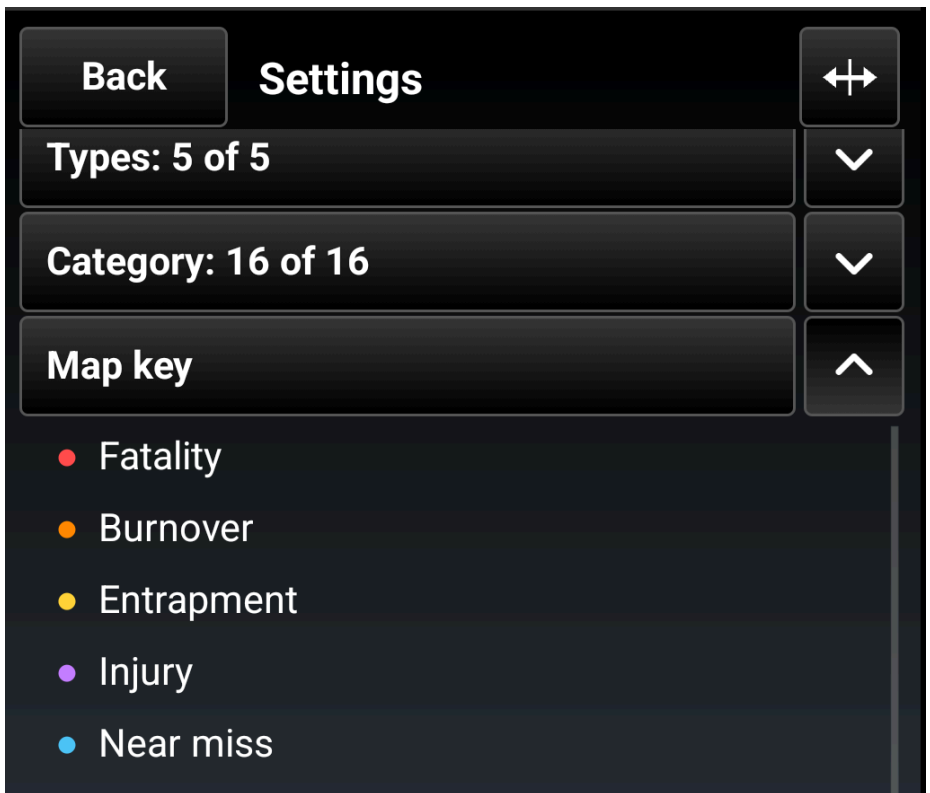
Category



The Lessons Learned Center's own categories: medical, aviation, chainsaw, vehicle accident and the rest, with how many of each.

None, then one category, shows only that kind of lesson: two taps.

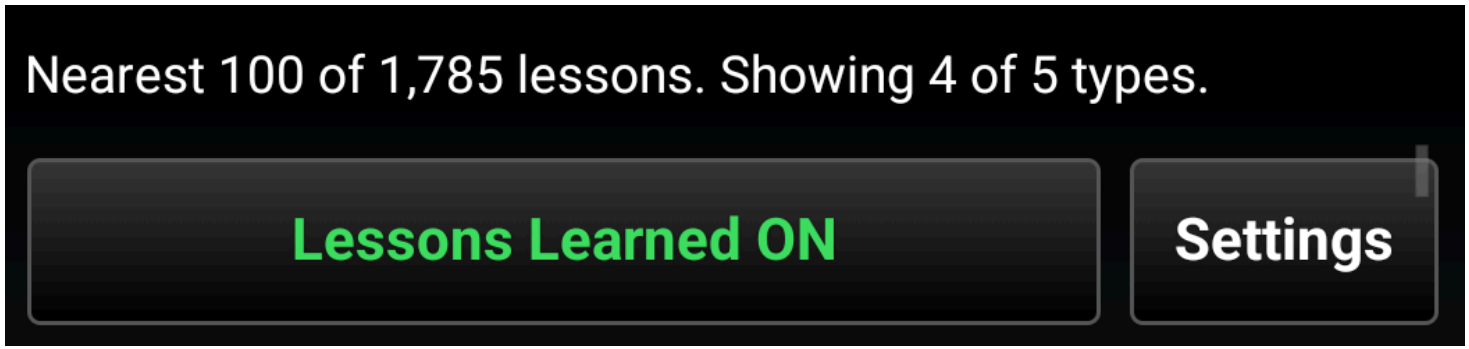
Map key



The color of each type on the map.

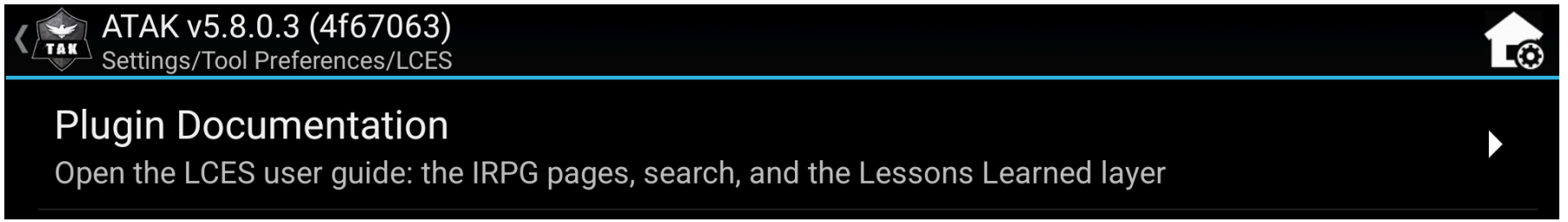
The type is the most serious thing that happened: a fatality first, then a burnover, an entrapment, an injury, and otherwise a near miss.

What is not shown



When a setting hides lessons, the line at the top of the main screen says so, here with Near miss turned off in **Types**. The list shows the nearest 100; the map shows every lesson the settings allow.

Opening this guide



ATAK's **Settings**, then **Tool Preferences**, **Specific Tool Preferences**, **LCES**, and **Plugin Documentation**.

Sources

- **IRPG:** NWCG Incident Response Pocket Guide, PMS 461, January 2025, every word and diagram taken from the published book. A reference, not a substitute for the IRPG or your training.
- **Lessons Learned:** the Wildland Fire Lessons Learned Center's incident database. **Open the full report** on an incident opens the Center's own report in your browser and needs a network.
- **The list on the server** is checked against the Center's database every night and updated when it changes. Your device picks up a new copy within a day when it has a network, and keeps the copy it has when it does not.

Report a problem or ask for a change: github.com/takwerx/lces/issues