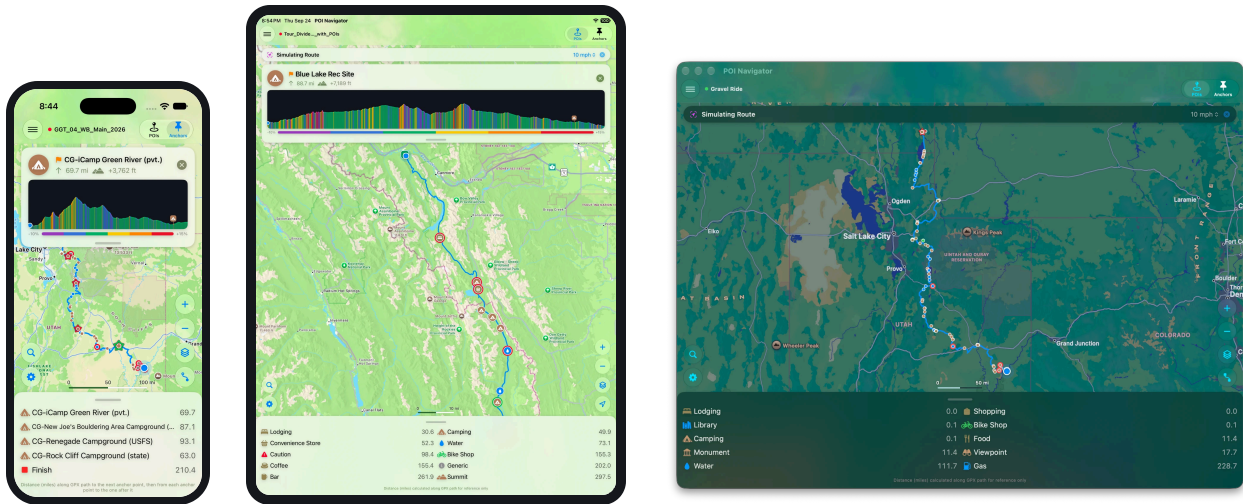


POI NAVIGATOR 1.1



Know how far it is to every stop on your GPX route.
User Guide for iPhone, iPad and Mac

Revision Number

POI Navigator 1.1 (3)

Date:

09/30/2026

Author:

Jeff A. Thoman



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INTRODUCTION

Hello,

My name is Jeff A. Thoman, President of KepMad Systems LLC. I would like to thank you for trying POI Navigator. I'm an avid explorer, and on long bikepacking and backpacking trips the question I kept asking was simple: how far is it to the next water, food, camp or bike shop, and how much climbing is in the way? Map apps measure as the crow flies. POI Navigator measures along your route, so the numbers match the miles you'll actually ride or walk.

As you read this guide and try the app you'll find it easy to use, with the tools to plan every day of a long trip: goals, anchor points for daily legs, and a route simulator for planning from home.

I look forward to your input. Please feel free to write to me at any time; I can be reached at:

kepmad.systems@gmail.com

You can also use **Send Feedback** in the app's menu, which opens a pre-addressed email.

Thanks again, and I hope you enjoy POI Navigator,

Jeff A. Thoman

WHAT YOU NEED

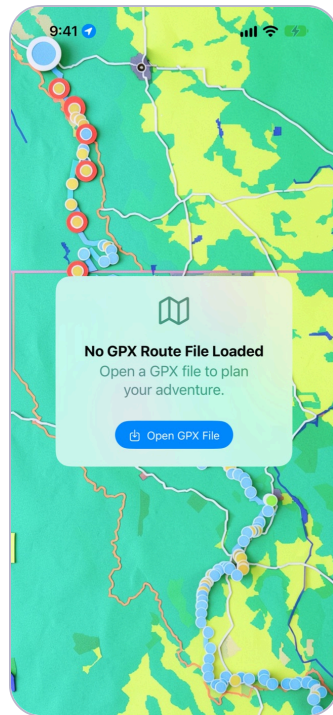
- **iPhone or iPad** with iOS or iPadOS 26 or later, or a **Mac** with macOS 26 or later.
- A **GPX route file** with its points of interest (POIs) included as waypoints. Files exported from Ride with GPS work best: when you export the route, choose to include its POIs as waypoints.
- For maps, place details and search, an internet connection. The route, POIs, distances and GPS all work without one. Download offline maps covering your route in the Apple Maps app to always have a map on hand.

YOUR PRIVACY

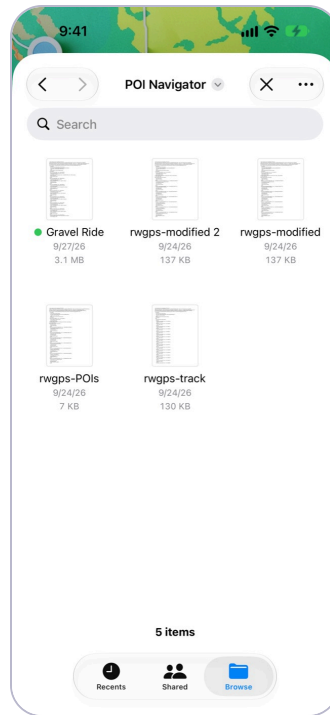
POI Navigator collects no data. There's no account, no advertising and no analytics. Your location and your route files stay on your device, and nothing is uploaded. The full policy is on the app's website.

GETTING STARTED

The first time you open POI Navigator you're greeted with the start screen. Everything starts with a GPX file.



The start screen



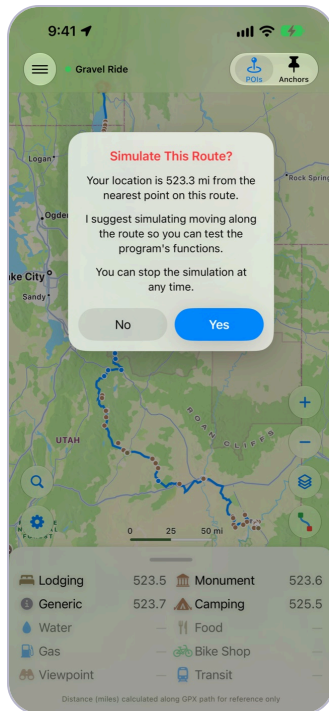
Choosing a GPX file

OPENING A GPX FILE IN DETAIL:

- 1) **Open GPX File:** Tap the button on the start screen, or choose **Load GPX File** from the menu once a route is open. The file picker opens, showing the app's own folder and anywhere else your files live, such as iCloud Drive. Choose a GPX file to open it.
- 2) **From Other Apps:** You can also open a GPX file from Files, Mail, Safari or any share sheet by choosing **Open in POI Navigator**. Files are read where they are; nothing is copied or uploaded.
- 3) **Location Access:** The first time a route opens, POI Navigator asks to use your location while you're using the app. It's used to show where you are on the route and how far it is to each POI. If you'd rather not share it, the app still shows the route, and the simulator (below) can stand in for your position.

Every waypoint in the file becomes a POI. Its comment or type (water, camping, food, lodging, bike shop and dozens more) decides its category; anything unrecognized is filed as **Generic**. Only the categories in the file are listed.

SIMULATE THIS ROUTE? IN DETAIL:



If you open a route more than 20 miles from where you are, POI Navigator offers to simulate travelling along it, so you can plan a trip from home.

- 1) **Yes:** Your position moves along the route from its start, at the speed shown in the **Simulating Route** bar. Every distance, climb and highlighted POI follows the simulated position, just as it will on the trail.
- 2) **No:** Your real position is used, however far away it is. You can start a simulation later from the menu.

Note: A simulation always starts at the beginning of the route. Reverse the route first to simulate it the other way.

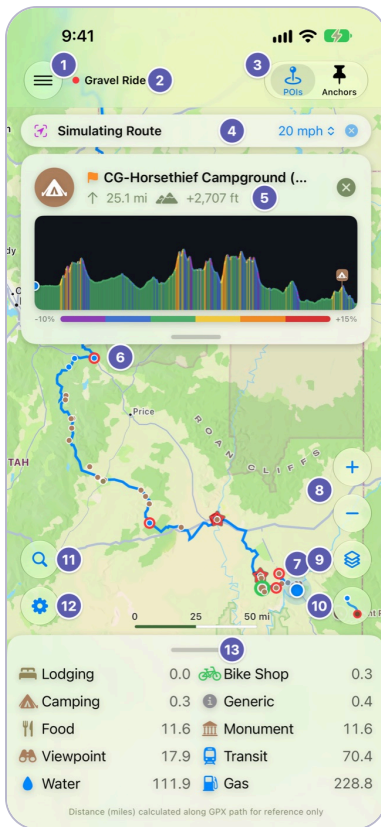
THE MENU

The menu is the ≡ button at the top left of the map.

MENU IN DETAIL:

- 1) **Load GPX File:** Opens the file picker to open another route. If the open route has unsaved changes you're asked first: **Save** a modified copy, **Don't Save**, or **Cancel**.
- 2) **Directions to Start:** Opens Apple Maps with driving directions from where you are to the start of the route.
- 3) **Reverse Route:** Flips the route end to end, to ride or hike it the other way. Every distance and the elevation profile are recalculated; your goal carries across, and a running simulation carries on.
- 4) **Start Simulation / End Simulation:** Starts simulating travel along the route, or ends it and goes back to your real position.
- 5) **Save Modified Copy:** Saves the route with your changes as a new GPX file. Your original is never changed. See *Saving & Exporting*.
- 6) **Advanced Export:** A submenu with **Export POIs Only** and **Export Track Only**, for use in other apps.
- 7) **Send Feedback:** Opens a pre-addressed email to KepMad Systems. Feature ideas and bug reports are always welcome.

THE MAP SCREEN



MAP SCREEN IN DETAIL:

- 1) **Menu:** Loading files, directions, reversing, simulation, saving and feedback. See *The Menu*.
- 2) **File Name:** The open route. The dot beside it is green while the route is as opened (or as last saved) and red once you've changed its goal, anchors or POIs.
- 3) **POIs / Anchors:** Switches the table at the bottom between the next POI of each kind and your anchor points.
- 4) **Simulating Route:** Shown while simulating. Tap the speed to change it, or X to end the simulation.
- 5) **Goal Banner:** Shown once you set a goal: the distance, climb and elevation profile to it.
- 6) **Route & POIs:** The route in blue and every POI along it. The next POI of each kind ahead is ringed in red.
- 7) **Your Position:** Your GPS position, or the simulated one.
- 8) **Zoom:** Zoom in and out.
- 9) **Map Style:** Explore, Satellite, Driving or Transit.
- 10) **Locate Button:** Frames the map seven ways. See *The Locate Button*.
- 11) **Search:** Find any POI in the route by name, category or notes.
- 12) **POI Categories:** Choose which categories show, their order, and miles or kilometers.
- 13) **Distance Table:** How far it is along the route to the next POI of each kind.

Note: When you rotate the map, a compass appears above the search button. Tap it to turn north back up.

MAP MARKERS IN DETAIL:

- 1) **POI:** A round marker with its category's icon. Zoom in to see each POI's name.
- 2) **Red Ring:** The next POI of its kind ahead of you: the one the distance table is counting down to.
- 3) **Green Ring:** Your goal.
- 4) **Star:** An anchor point. Red while it's still ahead, green if it's also your goal.
- 5) **Red X:** A POI you've suppressed. It stays on the map so you can bring it back.
- 6) **Start & Finish:** The route's two ends, in green and red.

THE LOCATE BUTTON

The button at the bottom right frames the map for you. Each tap moves to the next state, and its icon shows the state you're in. A route always opens on State 3, the whole route.



State 1

The map is where you put it. The button switches to this state whenever you move or zoom the map with your fingers, trackpad or mouse, and that's the only way to reach it.



State 2

Your position, centered on the screen, north up. Use the + and – buttons to zoom without leaving this state.



State 3

The whole route, start to finish, in the part of the map the banner and table leave clear.



State 4

From your position to every POI ringed in red: the next of each kind ahead. Anchor points and the goal aren't included.



State 5

From your position to your goal. Skipped when no goal is set.



State 6

From your position to the next anchor point ahead. Skipped when there's no anchor point you've set between you and the end of the route.

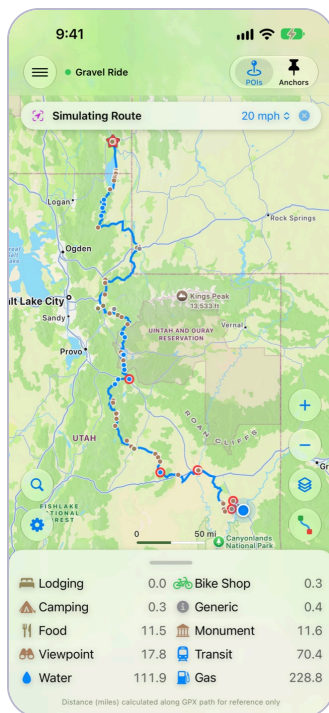


State 7

Navigation: your position low on the screen with the route ahead pointing up, turning as you go.

Tapping cycles State 2 → 3 → 4 → 5 (if needed) → 6 (if needed) → 7, and back to State 2. From State 1 a tap goes to State 2.

THE DISTANCE TABLE

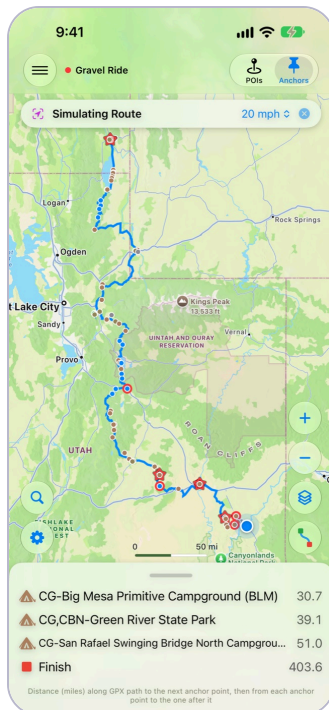


The table at the bottom of the map is the heart of POI Navigator. For every category shown it gives the distance, along the route, to the next POI of that kind ahead of you, and counts down as you move. If you're off the route, the distance back to the nearest point on it is included. A dash means there are none left ahead.

DISTANCE TABLE IN DETAIL:

- 1) **Tap a Row:** Opens the card for the next POI of that kind. If none are left ahead, every POI of that kind pulses on the map instead.
- 2) **Resize:** Drag the handle at the top of the table up or down. Drag it down to collapse it to two rows and see more of the map.
- 3) **Order:** Categories are listed in your own order, or by distance with the nearest first. Choose in *POI Categories*.

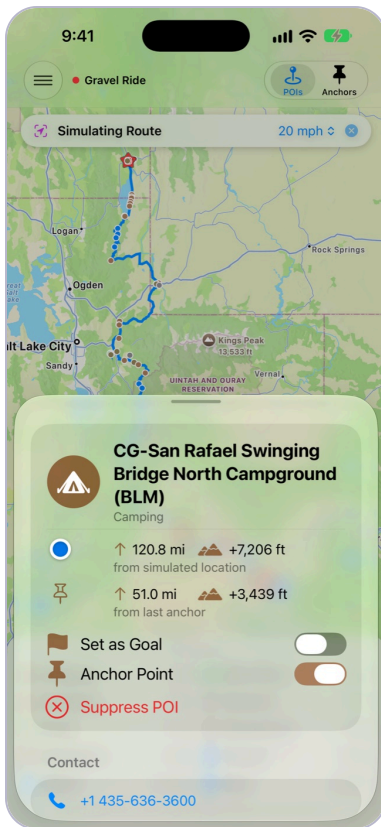
THE ANCHORS TABLE:



Switch the top-right control to **Anchors** to list your anchor points instead. The first row is the distance from you to the next anchor; each row after that is the distance from the anchor before it, so every day's leg reads straight down the list. The Finish is always an anchor, so the list always runs to the end of the route.

Tap an anchor to open its card. See *Anchor Points*.

POI DETAILS



Tap any POI on the map, a row in the table or a search result to open its card. Swipe it down to close it.

POI CARD IN DETAIL:

- 1) **Name & Category:** As the route file names it.
- 2) **Distance & Climb:** How far it is along the route and how much climbing it takes to get there, from your current (or simulated) position. An upward arrow means it's ahead, a downward one that it's behind you.
- 3) **From Last Anchor:** Once you have anchor points, the same figures from the anchor point before this POI.
- 4) **Set as Goal:** Makes this POI your goal. See *Goals*.
- 5) **Anchor Point:** Marks this POI as a stop, such as a night's camp. See *Anchor Points*.
- 6) **Suppress POI:** Takes this POI out of the tables. See *Auditing POIs*.
- 7) **Contact & Notes:** Phone numbers and websites found in the POI's notes, ready to tap, and the notes themselves.
- 8) **Location & Navigation:** The POI's coordinates, **Copy Coordinates**, **Open in Apple Maps** and **Open in Google Maps**.

GOALS

Switch on **Set as Goal** in any POI's card to make it your goal, such as tonight's campsite or the next town. The goal is ringed in green, and a banner at the top of the map follows it.

GOAL BANNER IN DETAIL:

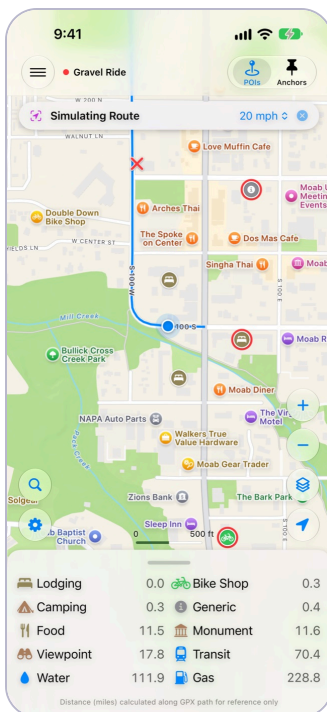
- 1) **Distance & Climb:** How far it is to the goal along the route and the total climbing on the way, updated as you move.
- 2) **Elevation Profile:** The route from you to the goal, shaded by gradient from purple (steep descent, -10%) to red (steep climb, +15%), the same scale Ride with GPS uses.
- 3) **Collapse:** Tap the handle at the bottom of the banner to hide the profile and keep just the name, distance and climb. Tap it again to bring the profile back.
- 4) **Frame the Goal:** Tap the banner to frame the map from you to the goal (the locate button's State 5).
- 5) **Clear:** Tap X to clear the goal.

ANCHOR POINTS

Anchor points split a long route into daily legs. Switch on **Anchor Point** in the card of each night's stop. Anchors are drawn as stars, and each one is measured from the one before it, so you can see every day's distance and climb at a glance, both in the **Anchors** table and in each POI's card (*from last anchor*).

- The **Finish** is always an anchor point, added automatically when a route opens.
- The locate button's State 6 frames the way from you to the next anchor ahead.
- Anchor points are saved with the route by **Save Modified Copy**.

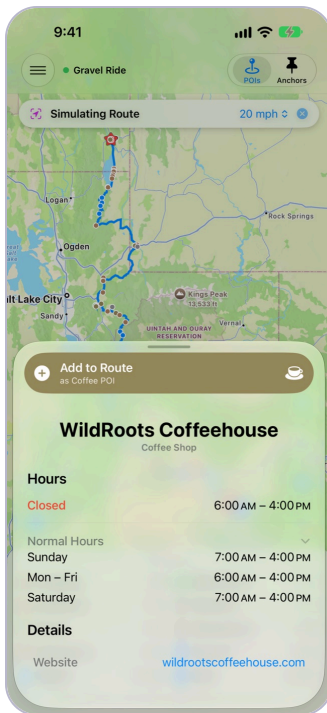
AUDITING POIS



Route files go out of date: a store closes, a spring runs dry. When you find a POI that's no longer useful, open its card and tap **Suppress POI**.

- 1) **On the Map:** The POI becomes a small red X, so you can still find it.
- 2) **In the Tables:** It drops out of the distance and anchors tables, and the next POI of its kind takes its place.
- 3) **Bringing It Back:** Tap the X to open its card and tap the button again.
- 4) **Saving:** **Save Modified Copy** leaves suppressed POIs out of the new file, so your cleaned-up route is ready to share.

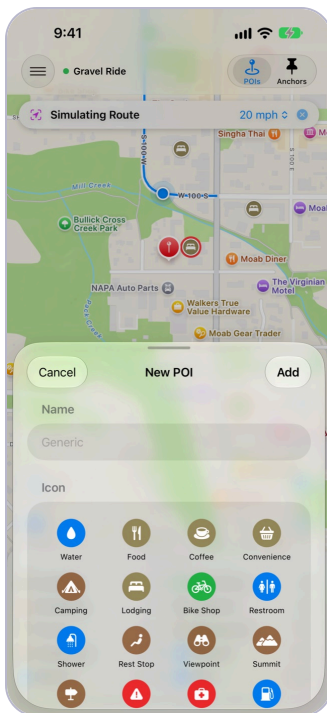
ADDING PLACES FROM APPLE MAPS



The map also shows Apple Maps' own places: cafés, stores, campgrounds, parks and more. Tap one to see its details, such as hours, phone number and website.

- 1) **Add to Route:** Adds the place to your route as a new POI. It's filed under the best matching category (a coffee shop as Coffee, a grocery as a convenience store, and so on), and that category is switched on if it was off.
- 2) **Saving:** Added POIs count as a change to the route (the red dot) and are written into the file by **Save Modified Copy**, in the same format Ride with GPS uses, so they come back when you reopen it.

CREATING YOUR OWN POIS



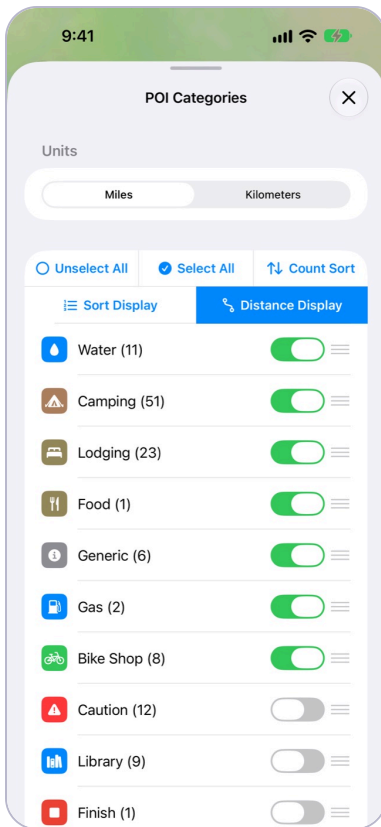
To mark somewhere that isn't in the route or on Apple Maps, such as a spring, a good campsite or a gate, press and hold on the map. A red pin drops where your finger is, and the **New POI** sheet opens.

NEW POI IN DETAIL:

- 1) **Name:** What to call it. Leave it blank to name it by its icon, such as "Water".
- 2) **Icon:** Choose its kind: water, food, coffee, camping, lodging, bike shop, restroom, viewpoint, caution and more. The icon decides its category in the table and its color on the map.
- 3) **Description:** Anything useful: hours, directions, whether the water is on.
- 4) **Add:** Creates the POI and opens its card. Like a place added from Apple Maps, it's a change to the route (the red dot) and is written into the file by **Save Modified Copy**. **Cancel** removes the pin.

Note: Holding on an existing POI opens it rather than dropping a pin. On the Mac, click and hold.

POI CATEGORIES



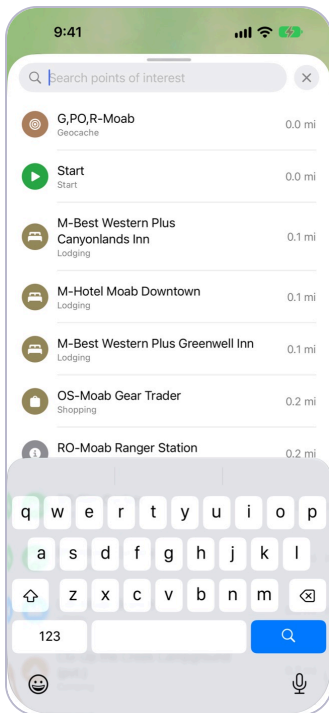
Tap the gear button at the bottom left of the map to open **POI Categories**.

POI CATEGORIES IN DETAIL:

- 1) **Units:** Miles or Kilometers, for every distance in the app.
- 2) **Unselect All / Select All:** Switches every category off or on at once.
- 3) **Count Sort:** Puts the categories back in the file's own order, most POIs first.
- 4) **Sort Display:** The distance table lists categories in the order you set here.
- 5) **Distance Display:** The distance table lists categories nearest first, re-sorting as you move.
- 6) **Categories:** Each category in the file, with how many POIs it has. Switch one off to hide its POIs from the map and the table; drag the handle at the right to change its place in your order.

Note: Anchor points and suppressed POIs stay on the map even if their category is switched off.

SEARCHING POIS



Tap the magnifying glass at the bottom left of the map to search every POI in the route.

- 1) **Search:** Type any part of a POI's name, its category or its notes.
- 2) **Results:** Listed nearest first, measured from your current or simulated position.
- 3) **Choose a Result:** The map zooms to the POI and opens its card.

ROUTE SIMULATION

The simulator moves a stand-in position along the route, so you can plan a trip from home or see how a day will unfold. It starts when you accept the **Simulate This Route?** offer, or from **Start Simulation** in the menu.

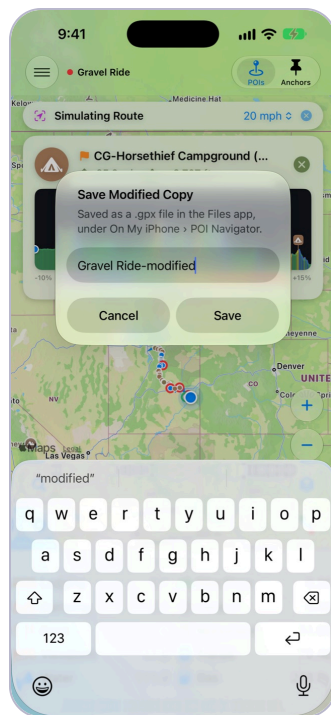
SIMULATING ROUTE BAR IN DETAIL:

- 1) **Speed:** Tap the speed to choose 1, 5, 10, 20, 50, 100, 200, 400 or 600 mph. The fast speeds cover a long route in minutes.
- 2) **End:** Tap X, or choose **End Simulation** from the menu, to go back to your real position.

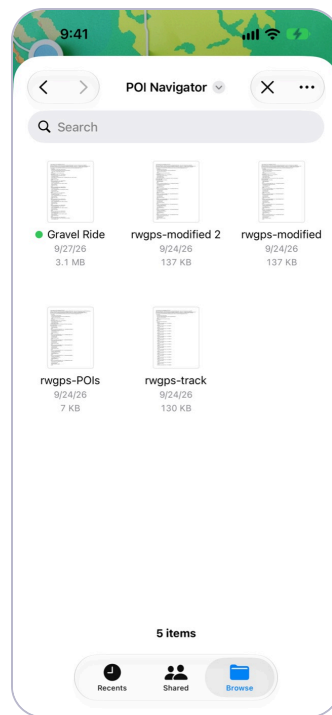
While you drag the map, the simulation pauses so the map doesn't move under your finger, then carries on when you let go.

SAVING & EXPORTING

Your goal, anchor points, suppressed POIs and added POIs are changes to the route. While any are unsaved, the dot beside the file name is red. **Save Modified Copy** keeps them; your original file is never changed.



Save Modified Copy on iPhone



Saved copies in the app's folder

SAVING IN DETAIL:

- 1) **Save Modified Copy:** Suggests a name ending in “-modified”; change it if you like and tap **Save**. The copy has your added POIs, leaves out suppressed ones, and remembers your goal and anchor points for when you open it again. The dot turns green.
- 2) **Export POIs Only:** (Advanced Export) Just the POIs, with your additions and without suppressed ones, as a standard GPX file.
- 3) **Export Track Only:** (Advanced Export) Just the route's track, with no POIs.
- 4) **Where Files Go:** On iPhone and iPad, in the Files app under **On My iPhone › POI Navigator** (On My iPad on iPad), ready to reopen or share. On the Mac, the standard Save panel lets you choose the name and folder.

Note: Exports are plain GPX for other apps, so they don't include the goal and anchors and don't turn the dot green.

UNSAVED CHANGES ARE KEPT SAFE:

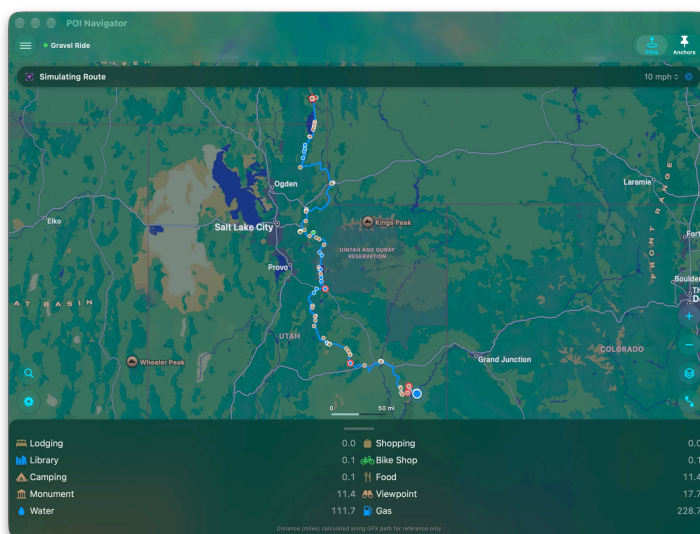
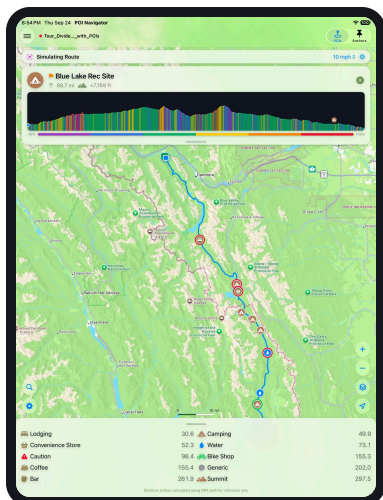
While the dot is red, POI Navigator keeps a hidden safety copy of your changes, updated every time you change a goal, anchor point or POI. If the app is closed before you save, the next time you open it you're asked **Restore Unsaved Changes?**

- 1) **Restore:** Reopens the route with all your changes, still unsaved (the red dot), ready for **Save Modified Copy**.
- 2) **Discard:** Throws the changes away.
- 3) **Cancel:** Decides later; you're asked again the next time the app opens.

The safety copy is removed as soon as you save, or when you open a different route. There's only ever one.

POI NAVIGATOR ON IPAD & MAC

POI Navigator works the same way on every device, with a bigger map on a bigger screen.



ON THE MAC:

- 1) **Moving the Map:** Drag with the mouse or trackpad, and pinch or scroll to zoom. Like a finger on iPhone, this switches the locate button to State 1.
- 2) **Opening Files:** Use **Load GPX File** in the menu to choose a file with the standard Open panel.
- 3) **Saving:** Save Modified Copy and both exports use the standard Save panel, so you choose the name and folder.
- 4) **Closing Cards:** A POI's card has a close button in its header.

TIPS

- Plan at home: open the route, accept the simulation offer, set a goal for each day and mark each night's stop as an anchor point, then **Save Modified Copy**. Open the copy on the trail and your plan is there.
- Use State 4 of the locate button for a quick look at everything that's next, then State 7 to ride or hike.
- Collapse the goal banner and the table when you want more map; the numbers stay in view.
- Suppress POIs as you go, and save a copy at the end of the trip for the next person to ride it.

SUPPORT

Questions, bug reports, feature ideas or a route file that won't open: send them to kepmad.systems@gmail.com, or use **Send Feedback** in the menu. It helps to include what you were doing, your device, a screenshot, and the GPX file if the problem is with one route.

REVISION HISTORY

Key

- [Opt] = Optimization
- [Fix] = Bug Fix
- [New] = New Feature
- [Chg] = Changes / Improves Previous Functionality
- [FYI] = Please Note

POI NAVIGATOR 1.1 (3): 09/30/2026

- [New] = Press And Hold On The Map To Create Your Own POI
- [New] = Unsaved Changes Are Kept Safe If The App Closes Before You Save
- [New] = Restore Unsaved Changes? Offered The Next Time The App Opens

POI NAVIGATOR 1.0 (2): 09/28/2026

- [New] = Locate Button Now Has Seven States
- [New] = Frame The Way To Your Goal (State 5)
- [New] = Frame The Way To The Next Anchor Point (State 6)
- [New] = Colored Icons Show What Each Locate State Frames
- [Chg] = Next POIs View (State 4) No Longer Includes The Goal
- [Chg] = Tapping The Goal Banner Frames The Way To The Goal

POI NAVIGATOR 1.0 (1): 09/24/2026

- [New] = First TestFlight Release For iPhone, iPad And Mac
- [New] = Save Modified Copy Writes Added POIs Into The GPX File
- [New] = Suppressed POIs Are Removed From The Saved Copy
- [New] = Goal And Anchor Points Saved With The Copy
- [New] = Advanced Export: Export POIs Only And Export Track Only
- [New] = Standard Save Panel On The Mac
- [New] = Add Places From Apple Maps As New POIs
- [New] = Anchor Points And The Anchors Table For Daily Legs
- [New] = Goals With Distance, Climb And Elevation Profile
- [New] = Route Simulation From 1 To 600 mph
- [Chg] = The Finish Is Always An Anchor Point
- [Chg] = Tapping A Table Row Opens The Next POI Of That Kind
- [FYI] = POI Navigator Collects No Data