

Using "Ride with GPS" to Find, Create and Navigate Routes

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Brief Description of Program:

"Ride with GPS" (or RWGPS) is a website with a massive international database of user created bike routes. It also provides an extensive set of tools for those who want to create their own routes. In addition to showing how to find and use routes created by others, Hugh will teach you how to create routes from scratch anywhere in the world using some of RWGPS's more sophisticated features such as autorouting, global heat maps, OSM cycling maps, street view, user created points of interest, control points and cue validation. He will also show you how to use the free (sort of) RWGPS app to turn your phone into a full featured bike computer with sophisticated GPS navigation features including spoken turn by turn directions. Hugh will be discussing route creation for rides/tours in both the US and internationally.

Detailed Outline:

- I. What is Ride With GPS (RWGPS)?
 - A. A web based system for finding, creating and managing routes.
 - B. A phone app that turns your phone into a bike computer with full GPS navigation capabilities
- II. The RWGPS Web Site (<https://ridewithgps.com/>)
 - A. Introduction
 1. Subscription plan options (<https://ridewithgps.com/plans>)
 2. CCC member benefits (https://www.cccyclists.org/content.aspx?page_id=22&club_id=105555&module_id=341007)
 - a) RWGPS Mobile App
 - (1) Turn by turn navigation on club routes
 - (2) Download club routes for offline use
 - b) RWGPS Website
 - (1) Export club routes with advanced turn notifications
 - (2) Print PDF maps and cue sheets for club rides
 3. The RWGPS Help System (<https://ridewithgps.com/help/>)

- B. Rides versus Routes (<https://support.ridewithgps.com/hc/en-us/articles/10881069116059-Rides-vs-Routes>)

- C. Finding Routes Created By Others (<https://ridewithgps.com/find>)
 - 1. Using the route search tool
 - 2. Getting more info on routes of interest
 - a) Who created
 - b) Date
 - c) Surfaces
 - d) Cue sheet
 - 3. Saving routes of interest
 - a) Copying or pinning routes to your personal RWGPS route library
 - b) Exporting routes for importing into a GPS (such as a Garmin)
 - c) Creating cue sheets/maps for routes
 - d) Sharing routes

- D. Creating Routes (<https://support.ridewithgps.com/hc/en-us/articles/4415462488475-Route-Planning-101>) - **See attached demo data**
 - 1. Route creation options
 - a) Map styles (<https://support.ridewithgps.com/hc/en-us/articles/4419013709851-Map-Styles>)
 - (1) More info on the OSM cycle maps (<https://www.opencyclemap.org/docs/>)
 - b) Settings
 - c) Heat maps
 - d) Bike paths
 - e) Routing option - cycling is usually best
 - 2. Using the route creation tools
 - a) Add to route - watch where you click!
 - b) Control points
 - c) Drop POIs and custom cues
 - d) Undo/redo
 - e) Street view
 - 3. Saving route
 - a) Save options
 - b) Review Cues tool
 - c) Organizing routes into “Collections” or “Events”

- E. Integrating RWGPS with other devices (e.g., Garmin) and services (e.g., Strava) (<https://ridewithgps.com/integrations>)

III. The RWGPS App

- A. Installing the RWGPS app
 - 1. Apple (<https://apps.apple.com/us/app/ride-with-gps-bike-computer/id893687399?ls=1>)
 - 2. Android (<https://play.google.com/store/apps/details?id=com.ridewithgps.mobile&pli=1>)
- B. Recording and saving rides
- C. Using the RWGPS app route library
- D. Library
 - 1. Rides versus Routes versus Pinned versus Offline
 - 2. Searching for rides and routes, including using search filters
- E. Navigating a route
 - 1. Turn on navigation
 - 2. Setting navigation map options for current route
 - 3. The bottom bar menu
 - a) Metrics
 - b) Elevation
 - c) Cuesheet
 - d) Tools
 - e) Useful navigation settings
 - (1) Auto-pause
 - (2) Navigation settings, including visual and spoken alerts

Note: RWGPS has excellent email support. They can be reached at info@ridewithgps.com. They specifically told me to let everyone know that they are happy to answer any questions about using RWGPS.

About the Speaker:

Hugh is tech geek from way back having purchased one of the original IBM PCs with dual floppy disk drive and 16 kb of memory in late 1981. He and his wife, Laura, enjoy self supported bike touring on their Dutch tandem touring bike. Both

Hugh and Laura use the RWGPS app as their bike computer/GPS when touring. Hugh is currently using RWGPS to create all of the routes for their summer 2023 tour which will be an eight week ride from the Utrecht province in the Netherlands to the border between northern Germany and Denmark. Hugh can be reached at 804-690-9720 or hugh@theaarons.com.

Jim Mann's West Lake Road Route Data (for Demonstration Purposes)

START: Meet at old Miccosukee School House - 15011
Cromartie Rd
R on Hwy 59 at traffic light
R on T.S. Green at bottom of hill
T.S. Green becomes Lake Rd as you enter Jefferson
Co., continue on Lake Rd
R on West Lake Rd, you will be on this road riding
through plantations for about 12 miles.
R onto New Monticello Rd
Stop for break at Hwy 90.

RETURN OPTIONS

#1 For the least traffic return to the school using same
route in reverse.

#2 R on vHwy 90, paved shoulder(about 2 ft wide)
R on Sunray Rd
R on Old Magnolia Rd
R on Roco Rd
R on Hwy 59
R at Miccosukee traffic light
Finish at old school