

Reston Century Bike Ride 2014 - FINAL PLAN

Mission: Provide continuous radio communications for the Reston Bicycle Club on Sunday, August 24, 2014.

Reference: Maps and Cue Sheets Published by Reston Bike Club are attached following the text of this document.

Hours of operations:

Net Control: 06:00 to 18:00 (or until event officially over)

Rest stops:

Reston Town Center: 06:30 to 17:30

Ashburn (mile 10 and 93): 07:00 to 16:30

Hamilton (mile 31): 07:30 to 13:00

Round Hill (mile 45): 08:30 to 14:00

Lovettsville (mile 63): 08:30 to 14:30

Old Mill (mile 80): 09:00 to 15:30

Except for the Round Hill rest stop, there will be a bike mechanic/shop at each rest stop.

NOTE: See information in the following pages for the address and other details of each rest station.

Procedures:

NOTE: THIS IS A RAIN OR SHINE EVENT. THERE IS A 100% CHANCE THAT THE EVENT WILL TAKE PLACE AND 50% CHANCE OF RAIN WITH WIDELY SCATTERED THUNDER SHOWERS. THE NCS WILL RUN 100% OF THE TIME ON ALL BANDS IN ANY WEATHER INCLUDING A THUNDERSTORM.

Communications will take place on a directed voice net. All communication will be on the primary frequency unless directed by net control to secondary frequencies for the handling of traffic. The net control will be located at the home of John Westerman (W5ODJ). Net control will use the call sign of K4LRG.

The net primary frequency will be simplex 147.480 MHz, no tones.

A cross band repeater in Reston provided by Rick Miller (A11V) will utilize 445.925 MHz using sub-audible tone of 100 Hz for the uplink in Reston to the simplex 147.480 net frequency. The sub-audible tone is used to reduce interference that is experienced in the Reston Town Center.

Secondary Frequency - The WA4TXE/R Repeater in Leesburg, VA which operates on 146.700 MHz with negative 600 kHz offset and with NO PL tone.

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Thanks to Dave for the use of his repeater for this event should that be necessary.

Tertiary Frequency - The Dulles Amateur Radio Group's W4DLS/R Repeater at 145.310 MHz with negative 600 kHz offset and with a PL of 77 Hz. This repeater is located in eastern Loudoun County at the intersection of US Route 28 and the Dulles Toll Road. We all thank the Dulles Amateur Radio Group.

If needed, we also have available the 442.1 (no PL) repeater available to us. If necessary to use, you will be directed by Net Control to deviate to that frequency/repeater.

Utilization of the APRS system will provide SAG vehicle location information at Net control, Hamilton and Reston Town center. The APRS systems will use 144.390 MHz for its operations and will be set up on the Friday before the event.

Contacting Net Control via the Public Phone Network:

The primary phone number for the event to get to net control via the public telephone network is: (571) 207-9922.

This phone number will go into a software defined PBX and the caller will be given an announcement and put in to a queue for call handling. Calls are handled first come first served without priority.

There will be 2-3 phones with multiple line instances at net control. There will be no limit to the number of inbound calls we can field at one time. However, there will only be 2-3 control operators active at any given time.

This phone number has been printed on all the arm bands and documentation give to each rider. This number was active and tested as of August 19, 2014 17:02.

Use this number if all your other communications to net control have failed.

NOTE:

IN AN EMERGENCY WHERE SOMEONE IS CRITICALLY INJURED OR THEIR LIFE OR THE LIFE OF OTHERS IS THREATENED PLEASE CALL 911 FIRST THEN CONVEY THIS INFORMATION TO NET CONTROL. IF SOMEONE CALLS NET CONTROL WITH A LIFE THREATENING EMERGENCY 911 WILL BE CALLED IMMEDIATELY AND WE WILL COORDINATE EMERGENCY SERVICE THE BEST WE CAN FROM NET CONTROL TO THE SCENE IN QUESTION.

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Also note that particularly for locations on the higher elevations along the northern century route, 911 calls may get routed by the cell network to Frederick County instead of Loudoun if you are on a Frederick cell tower which has happened in previous years. The suggestion in the event of making a 911 call, verify you are connected to Loudoun 911 or request transfer to Loudoun 911. This will expedite getting help to you.

ALL OPERATORS:

Be sure that you can be self sufficient for food and water. I hope that you will be able to receive water at the rest stops and snacks but it is better to be prepared to take care of your needs independently. SAG riders especially need to take food and water with them. SAG riders will be able to take care of rest stop needs when they arrive back at the rest stop after covering their route.

Things to consider that you may want to have on-site at your rest stop:

- ★ Assume it will be raining all day!
- ★ Temporary tent ("soccer mom" type temporary push up) - borrow if you do not own
- ★ Pop-up or folding table to operate from
- ★ Electrical tape
- ★ Duct tape
- ★ 3 lb sledge
- ★ Warning flagging for guys
- ★ Rope
- ★ Tarp for sunshade
- ★ Misc tools
- ★ Hammer and nails
- ★ Step ladder
- ★ Chairs to sit upon
- ★ Cushion
- ★ Food and drink
- ★ Notebook for logging
- ★ Printed "Operations Plan"
- ★ Printed route maps

Things to consider for your radio and radio support equipment:

- ★ Good antenna
- ★ Plenty of coax
- ★ Some type of mast with mounting tripod to get antenna off the ground
- ★ Guy ring, guys, and stakes
- ★ Concrete block and rope
- ★ Battery
- ★ Generator

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- ★ Laptop
- ★ Internet Access if you can

Schedule:

Site installations at rest stops should start with 30 minutes earlier than the times given above. When you arrive at your station and are getting set up give network control a call to let them know you are there. Station captains will decide on exact time for setting up their stations at the rest stops which could be earlier than the times given here. Riders will be leaving the town center at 6:30 am. Between 06:00 and 07:00 we will be testing with the various stations providing signal reports and other information. Full net operations will commence at 06:30 in support of the ride. All stations should note during the test period what stations they can receive and provide a report to net control when asked.

SAG RIDERS/DRIVERS

See specific information below on when/where/how to meet your driver. I highly recommend that you use the information in the spreadsheet to call your partner rider by phone prior to the event and organize a pick-up spot most convenient to each of you.

NOTE to SAG participants: Mechanic skills are not needed to support the SAG effort. Most times, the rider can fix his/her issue, with a little help from us. Some basic tools would be nice to carry, (allen wrenches, various screwdrivers, small wrenches ,etc). If these don't work, then we pick up the biker and take them to the next rest stop. There is a bike mechanic at each rest stop that can fix the bike, allowing rider to continue. Being a mechanic is not a requirement for LARG people.

If you do not have APRS gear please give us a heads-up so we can located/ allocate equipment for you. If you are a SIG driver/rider we are expecting that you have a full VHF/UHF setup with APRS available to you. Please program your APRS identifier as "SHARKx", **where x is your SHARK number in the information below.**

NOTE: For FCC compliance please put your call sign in the information part of each APRS packet.

Other considerations:

You may want to coordinate in advance with your SAG driver to get permission/ access for their vehicle for:

1. leg room to park your radio(s),
2. temporary magnet mount antenna(s) on roof, and

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3. 12VDC power (lighter socket, for example). If no power is available (often their socket is already full!), plan on bringing your own
4. 3-way lighter socket adaptor (for more holes to poke!), or
5. a modest 12VDC battery, in a nice & safe protective box.

SAG participants and associated RBC Member assignments:

- **SHARK1:**
Ross Amico, 703-606-9195
RBC Member: Ed DiMonda, 703-850-0385
- **SHARK2: MOTORCYCLE WITHOUT LARG ASSIGNMENT**
RBC Member: Edward Murphy, 703-244-1972
- **SHARK3:**
Zbigniew Tyrlik, KU1T, 304-261-2045
RBC Member: Mike Mintz, 571-255-9357
- **SHARK4:**
Mark Webber, W4MRW, 571-214-8055
RBC Member: Don Graling, 703-628-2955
- **SHARK5:**
Craig McVeay, N0GSM (FairfaxARES) - LOST CONTACT
RBC Member: John Schiavo, 703-508-7446 (WORKING ALONE)
- **SHARK6:**
Mary Moon, KK4GOW, 703-626-9489
RBC Member: Bill Wilde, 571-217-4227
- **SHARK7:**
Rick Denny, KR9D, 703-623-5668
RBC Member: Ken Fugate, 858-610-1927

NET CONTROL

Net control will establish the net at 06:00 and will begin station check in and testing when they come online. All sites, SAG riders and stations should remain operational until told to secure by net control. It is estimated this time will be before 17:00. In the years 2011 and 2012 it was closer to 16:00.

Net control will be attended by:

| | |
|------------------------------------|--------------|
| John Westerman, W5ODJ | 703-431-9148 |
| Ken Sullivan, KJ4GYL | 703-318-8434 |
| Gene Harrison, N3EV | 703-585-4565 |
| Bill Fenn, N4TS (temporary assist) | TBD |

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LOGS:

Each station leader indicated below will keep two logs: One for the operations and one for contacts of anyone interested in what we are doing and how we can reach out to them after the event.

LARG Member Participation

See spreadsheet below for all of the details for participation in the network control, each station and each SAG.

2013 Rest Stop Hours, Groups Served, and Addresses.

RBC primary contact to LARG: **Edward DiMonda, 703-850-0385**

Reston Town Center

06:30 to 17:30;

All Groups – miles 0 and finish

FULL MECHANICAL FACILITY

Attended by:

Rick Miller, AI1V station captain

703-787-9787

Jay Greeley, KI4UTB

703-779-3508

Ashburn

[Carolina Brothers BBQ](#)

20702 Ashburn Road

Ashburn, Virginia 20147

07:00 to 16:30

All Groups – miles 10, 26, 55.7, 94

FULL MECHANICAL FACILITY

Attended by:

Luther Guise, K5NOB station captain

940-452-5304

Dale Gray, K3SEN

386-451-5511

Todd Peppe, KK4MBK

703-965-5137

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Hamilton

[Hamilton Community Park](#)

31 W Colonial Hwy

Hamilton, VA

07:30 to 13:00

Metric and Century groups – mile 31

NO MECHANICAL FACILITY

Attended by:

John Unger, W4AU station captain

540-338-4620

Paul Dluhosh, N4PD

703-771-9284

Charles Preston, K4LJH

540-338-4152

Norm Styer, AI2C

540-338-2584

Round Hill

[Round Hill Volunteer Fire Department](#)

4 Main Street

Round Hill, Virginia 20142

08:30 to 14:00

Century only – mile 45.6

FULL MECHANICAL FACILITY

Attended by:

Dave Boltson, WA4TXE station captain

304-725-7378

Jonathan Heinlein, N4ERD

631-961-0445

Lovettsville

[Lovettsville Community Center](#)

57 E. Broad Way

Lovettsville, VA 20180

Ph: 540-822-5284

08:30 to 14:30

Century only – mile 62.4

FULL MECHANICAL FACILITY

Attended by:

Bud Johnson, KK4ULA station captain

540-882-3336

Eric Paul, KI4NHV

703-856-7507

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Old Mill (Hamilton Station Rd/Irene)

[Loudoun Mill](#)

39098 Irene Rd.

Hamilton, VA 20158

(540) 338-7161

09:00 to 15:30

Metric and Century groups – miles 42.1, 80.2

FULL MECHANICAL FACILITY

Attended by:

Jim Terrell, KC4UWS station captain

703-587-3985

Shannon Klee, KK4NMR

703-266-2168

EPILOGUE

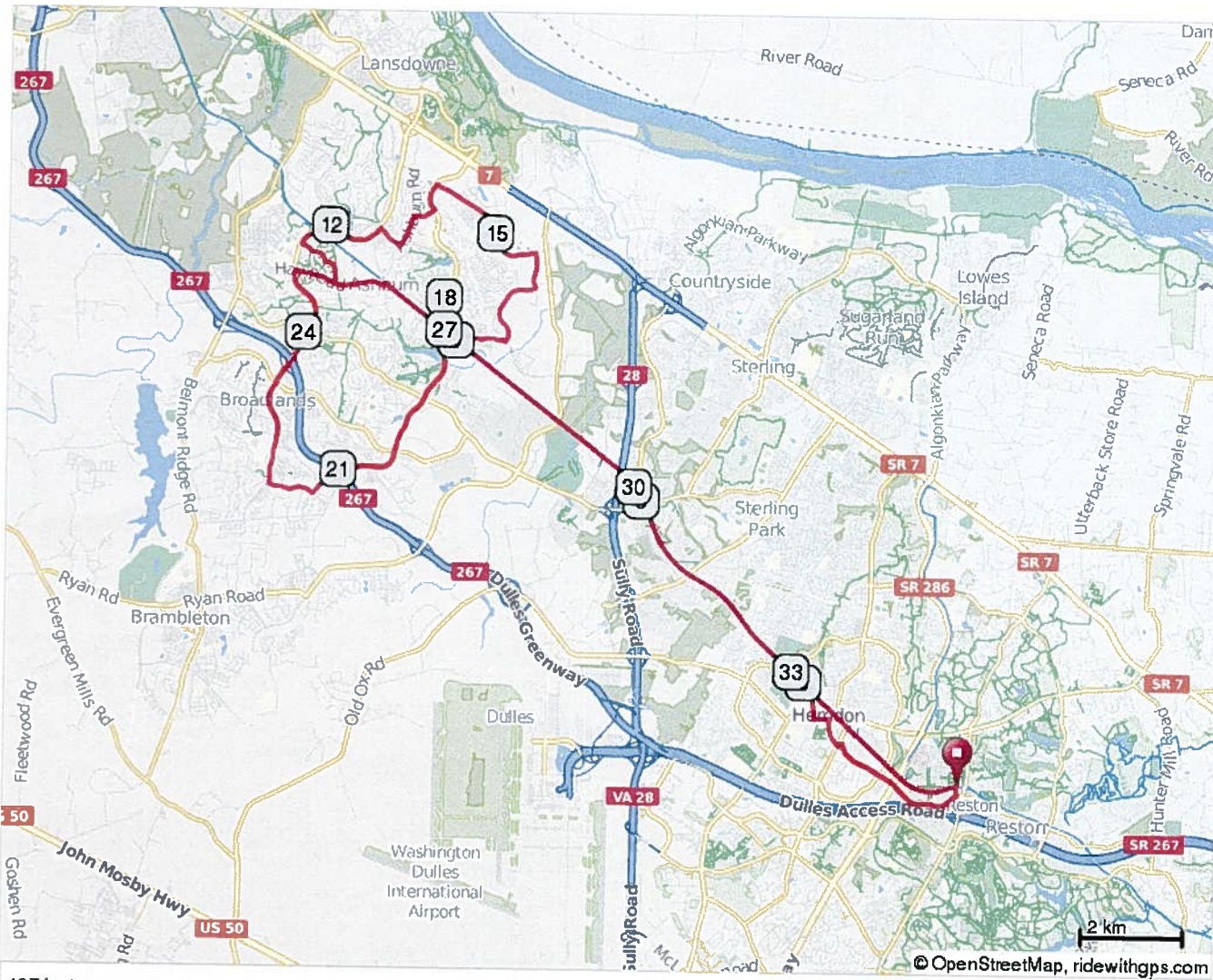
One last request: Please take photographs of your station, SAG operation, NCS or anything else you may think might going well on the public web site. AI2C will be putting together a section on the event which will be published to the public. Even if it's one photograph with a few words it will be very beneficial to put on the web.

This document is a work in progress and we put all the details together. Information comes at me daily and as a result these documents will change. Keep an eye out for the changes. New documents will be published with the date of the change so you can always tell if you have the latest document compared to what you have already received.

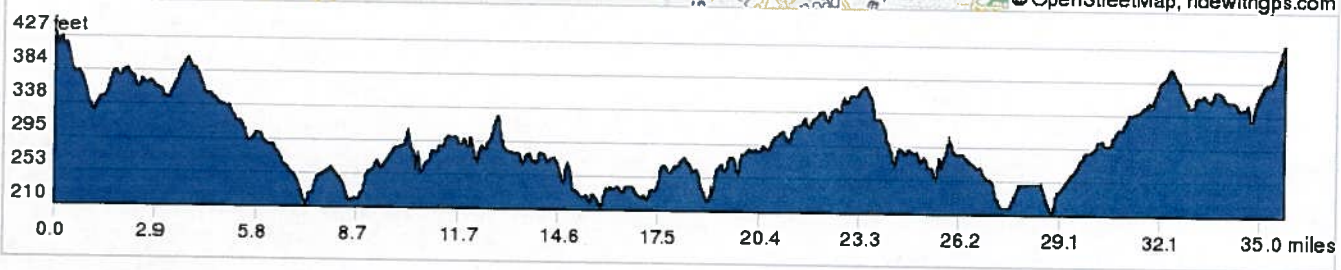
If you have any questions don't hesitate to contact me. E-mail is fine, but if you need a quick answer please call my phone number given here.

Have fun!

RBC 2014 Half Metric



Distance: 35.7 mi
 Elevation: + 1458 / - 1458 ft
 Pavement: normal pavement
 Good For: cycling



RBC 2014 Half Metric

| | | |
|-----|------|--------------------------------------|
| 0.0 | 0.0 | Start of route |
| 0.0 | 0.0 | Start of route straight across brige |
| 0.2 | 0.2 | R - Sunset Hills Rd |
| 0.9 | 1.1 | Straight - Spring St |
| 0.8 | 1.9 | L - Van Buren St |
| 0.1 | 2.0 | R - Spring St |
| 0.4 | 2.4 | L - Locust St |
| 0.2 | 2.5 | R - Grace St |
| 0.1 | 2.7 | Straight - Cross Elden St |
| 0.2 | 2.9 | L - W&OD Trail |
| 7.3 | 10.1 | Ashburn Rest Stop Open 7:00 to 4:30 |
| 0.0 | 10.1 | L - VA 641/Ashburn Rd |
| 0.0 | 10.2 | R - VA 642/Hay Rd |
| 0.6 | 10.8 | R - Coppersmith Dr |
| 0.3 | 11.1 | R - Breezyhill Dr |
| 0.4 | 11.5 | R - Claiborne Pkwy |
| 1.1 | 12.6 | R - Gloucester Pkwy |
| 0.3 | 13.0 | L - VA 641/Ashburn Rd |

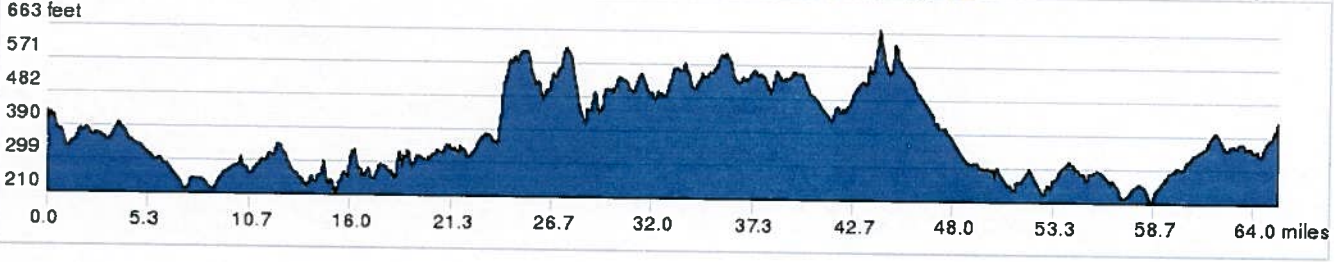
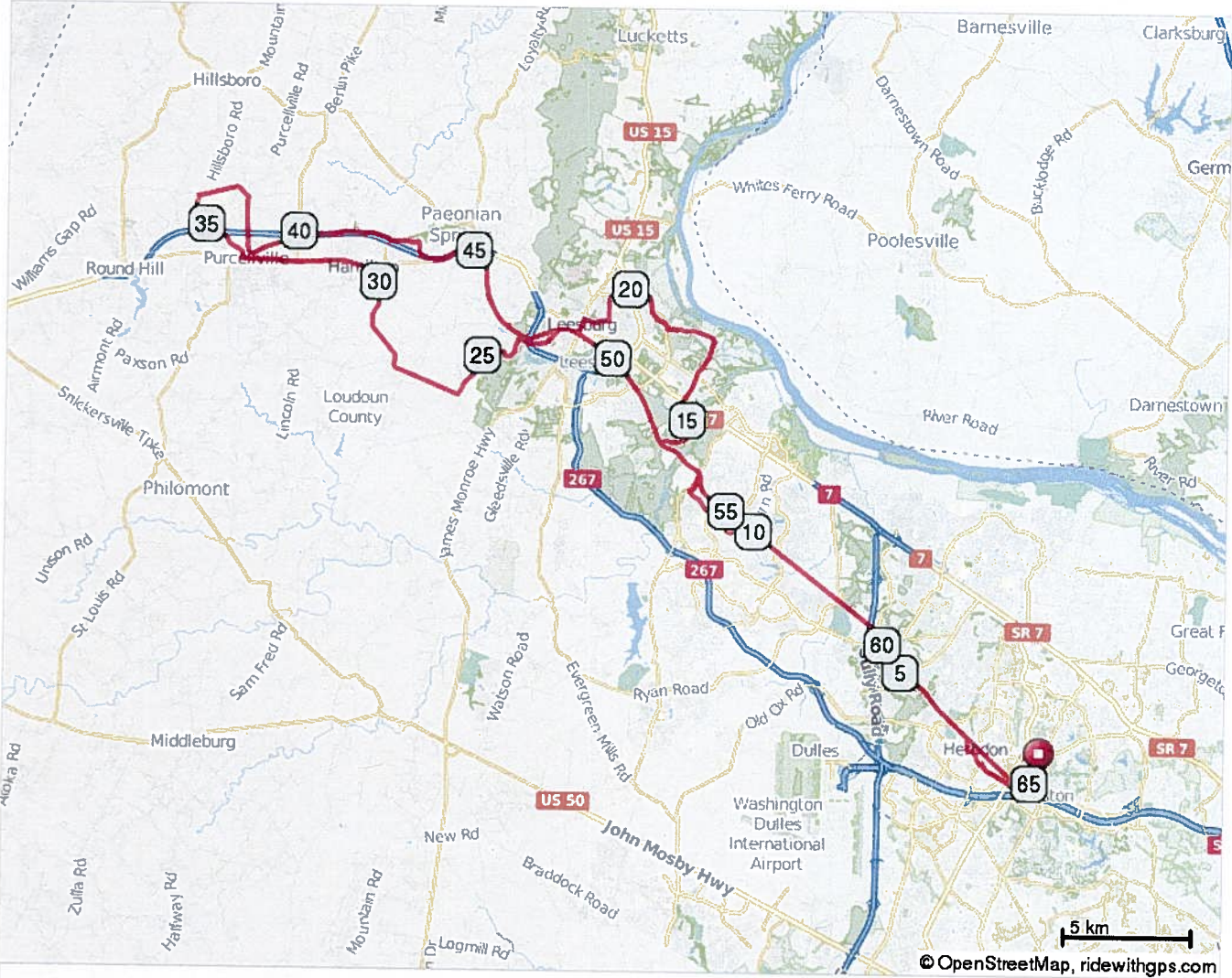
13.0 miles. +471/-608 feet

| | | |
|-----|------|--|
| 0.4 | 13.4 | R - Louisa Dr |
| 0.3 | 13.7 | L - Ashburn Village Blvd |
| 0.3 | 14.0 | R - Russell Branch Pkwy |
| 1.6 | 15.6 | R - Exchange St |
| 0.4 | 16.0 | R - Marblehead Dr |
| 1.0 | 17.0 | R - Gloucester Pkwy |
| 1.0 | 18.1 | L - Ashburn Village Blvd |
| 3.4 | 21.4 | R - Wynridge Dr |
| 0.6 | 22.0 | R - Claiborne Pkwy |
| 2.9 | 24.9 | R - VA 642/Hay Rd |
| 1.1 | 26.0 | L - VA 641/Ashburn Rd |
| 0.0 | 26.0 | R - W&OD Trail Ashburn_Rest_Stop Open 7:00 to 4:30 |
| 9.3 | 35.3 | L - use Old W&OD Trail to Reston Town Center |
| 0.3 | 35.6 | L - Democracy Dr Straight to End |
| 0.1 | 35.7 | End of route |

22.7 miles. +882/-729 feet

RBC 2014 Metric Century

Distance: 65.3 mi
 Elevation: + 3631 / - 3631 ft
 Pavement: normal pavement
 Good For: cycling



© OpenStreetMap, ridewithgps.com

| | | |
|-----|------|--|
| 0.0 | 0.0 | Start of route |
| 0.0 | 0.0 | Start Route straight onto Democracy Dr & across bridge |
| 0.2 | 0.2 | R - Sunset Hills Rd |
| 1.7 | 1.9 | L - Van Buren St |
| 0.1 | 2.0 | R - Spring St |
| 0.4 | 2.3 | L - Locust St |
| 0.2 | 2.5 | R - Grace St |
| 0.3 | 2.8 | L - W&OD Trail |
| 7.3 | 10.1 | Ashburn Rest Stop on R Open 7:00 to 4:30 |
| 0.0 | 10.1 | L - Ashburn Rd |
| 0.0 | 10.1 | R - VA 642/Hay Rd |
| 0.6 | 10.8 | R - Coppersmith Dr |
| 0.3 | 11.1 | R - Breezyhill Dr |
| 0.4 | 11.5 | Straight across Claiborne Pkwy to Portsmouth Blvd |
| 0.7 | 12.2 | R - VA-659 N/Belmont Ridge Rd |
| 0.5 | 12.7 | L - W&OD Trail |
| 1.2 | 13.9 | R - VA 653/Cochran Mill Rd |

13.9 miles. +497/-681 feet

| | | |
|------|------|---|
| 0.6 | 31.0 | L - Hamilton Park Rest Stop Open 7:39 to 1:00 Leave L on VA Bus 7 |
| 1.4 | 32.4 | At the traffic circle, continue straight onto E Main St |
| 1.3 | 33.8 | R - N 23rd St |
| 0.1 | 33.9 | L - N 21st St |
| 0.6 | 34.5 | Becomes Hillsboro Rd |
| 1.4 | 35.9 | At the traffic circle, 1st exit onto VA 711/Alder School Rd |
| 1.3 | 37.2 | R - VA 611/Purcellville Rd |
| 1.4 | 38.6 | L - W&OD Trail |
| 3.5 | 42.1 | R - VA 704/Hamilton Station Rd |
| 0.0 | 42.1 | L - VA 706 / Irene Rd Old_Mill Rest Stop on L Open 9:00 to 3:30 |
| 0.8 | 42.9 | R - VA 800/Meadowlark Dr |
| 1.4 | 44.3 | R - Simpson Cir |
| 0.4 | 44.7 | R - W&OD Trail |
| 11.0 | 55.7 | Ashburn Rest Stop on L Open 7:00 to 4:30 |
| 9.3 | 65.0 | L - use Old W&OD Trail to Reston Town Center |

34.6 miles. +1547/-1659 feet

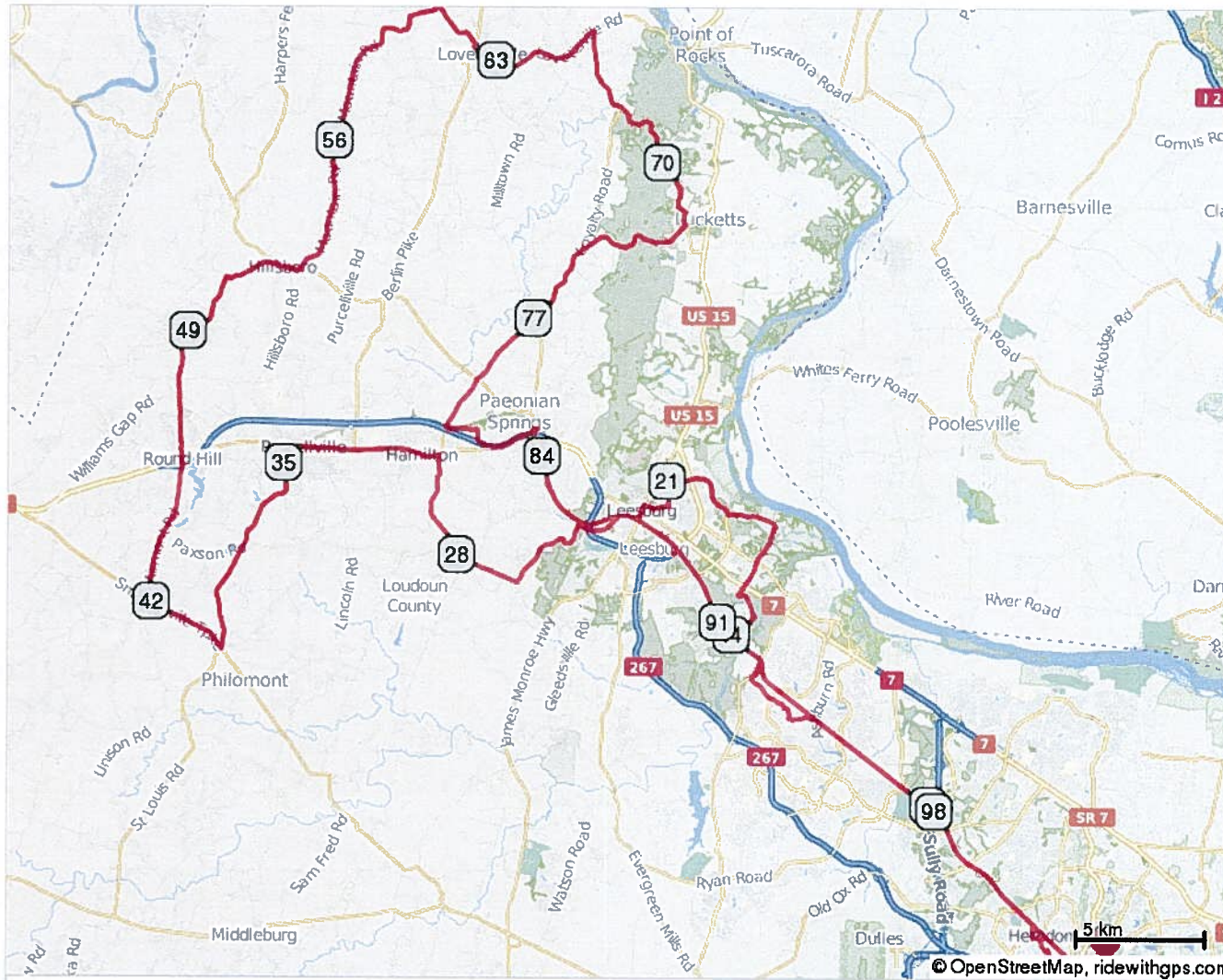
| | | |
|-----|------|---|
| 0.9 | 14.8 | L to stay on VA_653/Cochran Mill Rd |
| 0.5 | 15.3 | L - Becomes Russell Branch Pkwy |
| 0.2 | 15.6 | R - Crosstrail Blvd |
| 0.3 | 15.8 | Cross Rt 7 Becomes River Creek Pkwy |
| 1.7 | 17.5 | Straight becomes Edwards Ferry Rd |
| 1.1 | 18.6 | R - Battlefield Pkwy NE |
| 1.9 | 20.6 | L onto Catoctin Cir NE |
| 0.4 | 21.0 | At the traffic circle, continue straight to stay on Catoctin Cir NE |
| 0.2 | 21.1 | At the traffic circle, 1st exit onto North St NE |
| 0.3 | 21.4 | L - to stay on North St NE |
| 0.4 | 21.8 | L - N King St |
| 0.4 | 22.2 | L - W&OD Trail |
| 0.5 | 22.7 | L - Dry Mill Rd |
| 1.1 | 23.8 | L - VA 769/Woodburn Rd |
| 2.3 | 26.1 | R - VA 704/Harmony Church Rd |
| 4.3 | 30.4 | L - VA-7 BUS W |

16.5 miles. +1213/-919 feet

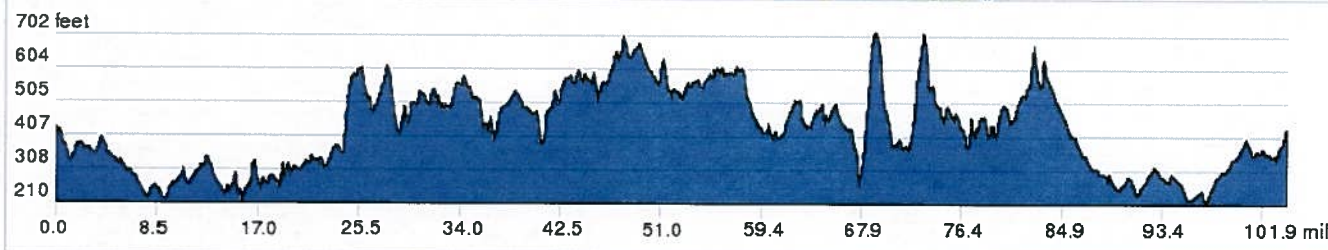
| | | |
|-----|------|-------------------------|
| 0.2 | 65.2 | R onto Bluemont Way |
| 0.0 | 65.2 | L - Democracy Dr to End |
| 0.0 | 65.3 | End of route |

0.3 miles. +6/-0 feet

RBC 2014 Century 103 no Dry Mill



Distance: 103.9 mi
Elevation: + 6721 / - 6721 ft
Pavement: normal pavement
Good For: cycling



| | | |
|-----|------|---|
| 0.0 | 0.0 | Start of route |
| 0.0 | 0.0 | Start of Route Straight_across bridge |
| 0.2 | 0.2 | R - Sunset Hills Rd |
| 0.9 | 1.1 | Straight - Spring St |
| 0.8 | 1.9 | L - Van Buren St |
| 0.1 | 2.0 | R - Spring St/State Rt 675 |
| 0.4 | 2.4 | L - Locust St |
| 0.2 | 2.5 | R - Grace St |
| 0.1 | 2.7 | Straight - Cross Elden St |
| 0.4 | 3.1 | L - W&OD TR |
| 7.4 | 10.5 | Ashburn Rest Stop Open_7:00 to 4:30 |
| 0.0 | 10.5 | L - State Rt 641/Ashburn Rd |
| 0.0 | 10.5 | R - State Rt 642/Hay Rd |
| 0.6 | 11.2 | R - Coppersmith Dr |
| 0.3 | 11.5 | R - Breezyhill Dr |
| 0.4 | 11.9 | Straight across Claiborne Pkwy to Portsmouth Blvd |
| 0.7 | 12.6 | R - VA-659/Belmont Ridge |

12.6 miles. +450/-537 feet

| | | |
|-----|------|--|
| 0.5 | 13.1 | L - W&OD Trail |
| 1.2 | 14.3 | R - VA 653/Cochran Mill Rd |
| 1.4 | 15.7 | L - Becomes Russell Branch Pkwy |
| 0.2 | 16.0 | R - Crosstrail Blvd |
| 0.3 | 16.2 | Cross Rt 7 to River Creek Pkwy |
| 1.7 | 17.9 | Straight Becomes Edwards Ferry Rd |
| 1.2 | 19.0 | R - Battlefield Pkwy NE |
| 1.4 | 20.5 | Cross Rt 15 |
| 0.5 | 21.0 | L - Catocin Cir NE |
| 0.4 | 21.4 | At the traffic circle, continue straight to stay on Catocin Cir NE |
| 0.2 | 21.5 | At the traffic circle, take 1st exit onto North St NE |
| 0.3 | 21.8 | L - to stay on North St NE |
| 0.4 | 22.2 | L - N King St |
| 0.4 | 22.6 | R - W&OD Trail |
| 0.5 | 23.1 | L - Dry Lill Rd |
| 1.1 | 24.2 | L - Woodburn Rd |
| 2.3 | 26.5 | R - VA 704/Harmony Church Rd |

13.9 miles. +975/-778 feet

| | | |
|-----|------|---|
| 4.3 | 30.8 | L - VA-7 BUS W |
| 0.6 | 31.4 | L - Hamilton Park Rest Stop Open_7:30 to 1:00 Leave L on VA Bus 7 |
| 3.1 | 34.5 | L onto 32nd St |
| 0.5 | 35.1 | Straight - becomes State Route 690/Silcott Springs Rd |
| 5.0 | 40.0 | R - VA 734/Snickersville Turnpike |
| 2.3 | 42.3 | R - VA 719/Airmont Rd |
| 3.5 | 45.9 | Cross Loudoun ST to be on Main St |
| 0.0 | 45.9 | L - Round Hill Fire Rest Stop Open 8:30 to 2:00 |
| 0.0 | 45.9 | L - Main St |
| 0.5 | 46.4 | Becomes Woodgrove Rd |
| 4.3 | 50.7 | R - VA 719/Stony Point Rd |
| 1.3 | 52.0 | R - Charles Town Pike/ Rt 9 |
| 0.6 | 52.6 | L - VA 690/Mountain Rd |
| 3.3 | 55.9 | L - to stay on State Route 690/Mountain Rd |
| 3.8 | 59.7 | Continue straight onto VA 673/Irish Corner Rd |

33.2 miles. +1727/-1842 feet

| | | |
|------|-------|---|
| 2.4 | 62.1 | R - and proceed around square |
| 0.2 | 62.3 | R - E Broad Way |
| 0.4 | 62.7 | L - Lovettsville Rest Stop Open 8:30 to 2:30 Leave L |
| 0.1 | 62.7 | L - Lovettsville Rd |
| 3.1 | 65.8 | R - VA 668/Taylorstown Rd |
| 5.3 | 71.1 | L - VA 663/Newvalley Church Rd |
| 0.6 | 71.7 | R - VA 662/Stumptown Rd |
| 3.0 | 74.6 | L - VA 665/Loyalty Rd |
| 2.2 | 76.9 | Straight becaumes VA_662/Clarkes Gap Rd |
| 0.3 | 77.1 | R - VA 704/Hamilton Station Rd |
| 3.4 | 80.5 | L - VA 706 / Irmen Rd Old_Mill Rest Stop on L Open 9:00 to 3:30 |
| 0.8 | 81.3 | R - VA 800/Meadowlark Dr |
| 1.4 | 82.7 | R - Simpson Cir |
| 0.4 | 83.1 | R - W&OD Trail |
| 11.2 | 94.2 | Ashburn Rest Stop on L |
| 9.3 | 103.6 | L - Old W&OD Trail to RTC |
| 0.3 | 103.9 | End of route |

44.2 miles. +2681/-2749 feet