

Supporting Calvert County's nature parks and natural spaces

CALVERT STEWARDS

VOLUNTEER PROGRAM



*A partnership between Calvert Nature Society
and Calvert County Natural Resources Division*

Raptor Road Surveys

Volunteer Manual

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Volunteer Portal: <https://calvertstewards.galaxydigital.com/>

Calvert Nature Society: www.calvertparks.org

Calvert County Natural Resources Division: www.calvertcountymd.gov/NaturalResources



Raptor Road Surveys Volunteer Manual

Thank you for your interest in helping with Calvert County Natural Resources raptor research project. These surveys will help to improve the success of this project and promote the conservation of raptors such as American Kestrels, Red-shouldered Hawks and Red-tailed Hawks. This guide will help you to identify various raptor species, provide designated routes for surveys, show you how to enter your data into eBird and how to record your hours on the Calvert Stewards website.

Please read through this manual completely before conducting your surveys.



Cover photos courtesy of Mary Bell Photography

Gene Groshon

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Some gear that will be helpful

Binoculars Spotting Scope w tripod or window mount
Camera with telephoto lens or decent zoom
Adapter to take photos with smart phone through binoculars or scope
Notebook if submitting on computer later or just great for field notes
Smart phone to submit using eBird mobile app

Requirements of Volunteers

- Provide your own transportation and optics
- Report all data to eBird as specified in this guide
- Record all of your hours on the Calvert Stewards website
- Email Gene.groshon@calvertcountymd.gov after you have conducted your survey. In the email include the date, survey route name, and total numbers seen of each species for that route. If you do multiple routes in a day please have separate totals for each route. *If you see a raptor with a color band on it's leg please see Color Band Reporting Requirements below.

When you can conduct surveys

- October 1 - April 31
- Can start any time after sunrise and must be completed before sunset.
- Surveys should not be conducted on rainy or snowy days. While raptors may be out at these times they are unsafe conditions to be along roadsides.
- You may perform more than one route in a day.
- Routes may be repeated after 3 days have passed since the last survey you conducted on that route.

Guidelines while surveying

- Please only do so in a safe manner that does not distract you from driving. Having 2 people helps tremendously to allow 1 person to exclusively focus on raptor spotting.
- Have your volunteer placard on your windshield while conducting the surveys. (found at the end of this guide)
- Only park and make observations where it is safe to do so.
- Please do not park in people's driveways or in their yards.
- Power line right of ways typically have a short "driveway" leading to a gate. These are okay areas to park and do a short scan.
- Some of the routes may contain public roads that are narrow or used mostly by property owners. Please be respectful of others you may encounter along the way. If someone questions what you are doing explain to them you are a volunteer conducting a raptor count for Calvert County Natural Resources Division.

Color Banded Raptor Reporting Requirements

While currently we are only color banding American Kestrels with yellow color bands with black codes, it is still very important to report the same information below for any color banded raptor you see. If we are able to get enough information, I can submit the data to the Bird Banding Lab and they may be able to determine which bird it is or at least who likely originally banded it.

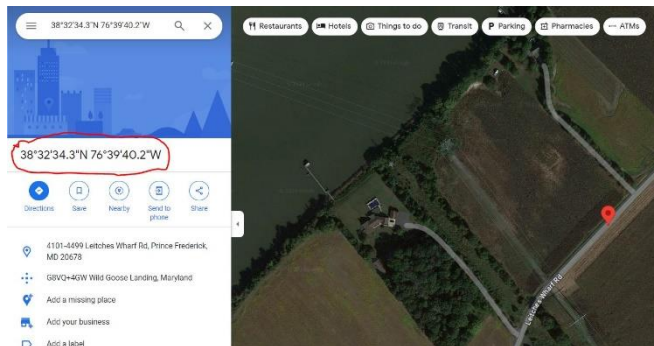
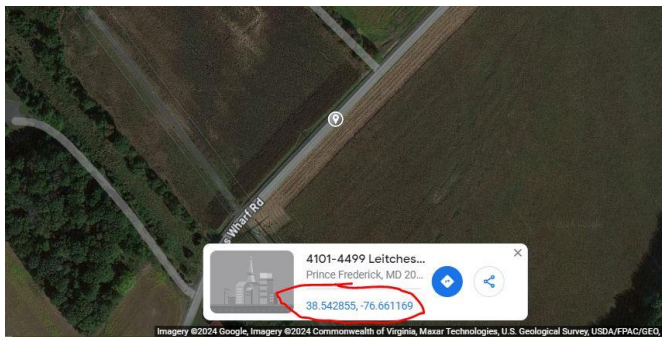
For color banded raptors you will need to record the following and include it in your survey results that you email to me:

- Date
- Time
- Species
- Sex (Kestrels only)
- Color of band
- Color of actual code (see example under photo)
- Color band code (can be part of the code if you can't see/read everything ie _A5 or __5)
- Location latitude & longitude coordinates
- Location Description

To determine the latitude and longitude coordinates, go to google maps and click on the map where you saw the bird. It will pop up with a small window with blue coordinates. If you click on the blue coordinates it will bring up that location and allow you to copy the coordinates to send to me.



The color of this band is yellow, and the color of the actual code is black.



Raptor Identification

American Kestrel (AMKE) **Target species**

Size: Slightly Larger than a Mourning Dove

Length: 8.7-12.2 in (22-31 cm) Wingspan: 20.1-24.0 in (51-61 cm)



Males will have slate blue wings and cream to orange colored chest with few markings. Males will have a rusty brown tail with black sub-terminal band and white terminal band.

Females will have rusty brown wings and tan colored chest with brown markings. Females will have a rusty band with many smaller black bands throughout.



Typically seen perched on power lines along open fields or in leafless trees out in the field. Flies on rapid wing beats with pointed wing tips. Commonly seen hovering in place when hunting. In flight they show narrow pointed wings with long tail.



Red Shouldered Hawk (RSHA) **Target Species**

Size: Larger than a crow smaller than a goose

Length: 16.9-24.0 in (43-61 cm) Wingspan: 37.0-43.7 in (94-111 cm)



Adults can be identified by their rusty orange chests and black and white marked wings. Their tails are generally black with several smaller white bands. Sex cannot be identified by plumage.

Red-Shouldered Hawks can typically be found perched in trees and sometimes power lines along roadsides. They will hunt from a perch over yards, fields, swamps even wooded areas. In flight they have broad rounded wings and can be found soaring. In flight they can easily be identified by the "light windows" located towards the ends of their wings. In flight they show short rounded wings with short spread tail.



Juvenile RSHA will have mottled brown and white plumage and typically lack the deep rusty brown/orange colors. Their tails also have less defined bands. These younger birds will appear much lighter.

Red Tailed Hawk (RTHA) **Target Species**

Size: a lot larger than a crow, larger than RSHA

Length: 17.7-22.1 in (45-56 cm) Wingspan: 44.9-52.4 in (114-133 cm)



Adults can be identified by their white undersides with dark belly band and light colored underwings. Their tails are rusty brown with a slight sub terminal band in black. Sex cannot be identified by plumage.

Red Tailed Hawks can typically be found soaring over fields and sometimes perched in trees or on top of power poles (very rarely on the lines). In flight they have long broad wings and short spread tail.



←Adult Juvenile →

Juvenile RTHA will be lighter overall but still show the dark belly band. Their tails are a lighter brown with multiple bands.



Merlin (MERL) **species worth noting**

Size: slightly larger than American Kestrel

Length: 9.4-11.8 in (24-30 cm) Wingspan: 20.9-26.8 in (53-68 cm)



Stocky falcon slightly larger than kestrel mostly brown or dark slate grey with heavily streaky undersides. Tail is dark with multiple smaller white bands. Black mustache stripe is not as noticeable as it is on Kestrels.

Hunts over open fields and will perch on telephone poles, lines and trees. Flies with quick wingbeats gliding only occasionally. In flight shows narrow pointed wings and long tail

Cooper's Hawk (COHA) **species worth noting**

Size: Crow sized

Length: 14.6-17.7 in (37-45 cm) Wingspan: 24.4-35.4 in (62-90 cm)



Adults have gray wings and backs with orange barred white belly. Notably long tail with several wide bands usually extends below their perch.



Juveniles have brown backs and wings with brown streaked white belly.



Hunts in forest and yards sometimes seen from road perched in trees. Long tail helps to identify this hawk as an accipiter in flight. Note the larger flat topped head compared to the body versus the Sharp-Shinned Hawk which has a noticeably smaller rounded head when compared to its body. In flight shows short rounded wings with long tail.



Sharp-Shinned Hawk (SSHA) **species worth noting**

Size: larger than Blue Jay but smaller than Crow

Length: 9.4-13.4 in (24-34 cm) Wingspan: 16.9-22.1 in (43-56 cm)



Adults have gray wings and backs with orange barred white belly. Notably long tail with several wide bands usually extends below their perch.



Juveniles have brown backs and wings with brown streaked white belly.



Hunts in forest and yards sometimes seen from road perched in trees. Long tail helps to identify this hawk as an accipiter in flight. Note the noticeably smaller rounded head when compared to its body versus the Cooper's Hawk which has a larger flat topped head when compared to its body. In flight shows short rounded wings with long tail.



Northern Harrier (NOHA) **species worth noting**

Size: larger than Crow but smaller than a Goose

Length: 18.1-19.7 in (46-50 cm) Wingspan: 40.2-46.5 in (102-118 cm)



Adult males have gray wings with black tips and gray backs and light colored belly. White patch at base of tail is an excellent identifier for Northern Harrier.



Adult females have dark brown wings and backs and light colored belly with dark streaking. White patch at base of tail is an excellent identifier for Northern Harrier.



Hunts by gliding over fields, meadows and marshes. White patch at base of tail helps to easily identify this raptor. Also of note is the dished owl like face. In flight often flies with wings held in a "V". Note long tail.

Survey Routes

Routes may be done in any direction as long as the noted locations are effectively covered. The directions are just there to establish what roads need to be covered for that route. Start locations are only suggestions. Routes typically will take 30-40 minutes to drive straight through but should take an hour when looking for raptors. Be sure to scan the following areas for raptors along these routes: fields, horse farms, power line right of ways, yards, etc. They may be perched in trees, on the ground or in flight. It may be helpful to look at your route on eBird. Select the Explore tab, then below "MORE WAYS TO EXPLORE" select Species Map. This will allow you to enter in the species and zoom in on parts of your route to see reported sightings. This will help to point out common areas where these birds have been seen but it is still important be vigilant the full length of the route.

Lusby Route

Start onto Mill Bridge Rd and Route 4

Left onto Turner Rd can turn around at gated driveway 2070 Turner Rd

Left onto Mill Bridge Rd

Left onto Sollers Wharf Rd can turn around at Mears Creek Rd

Continue on Sollers Wharf Rd to Pardoe Rd

Right on Pardoe Rd then cross route 4 onto HG Trueman Rd

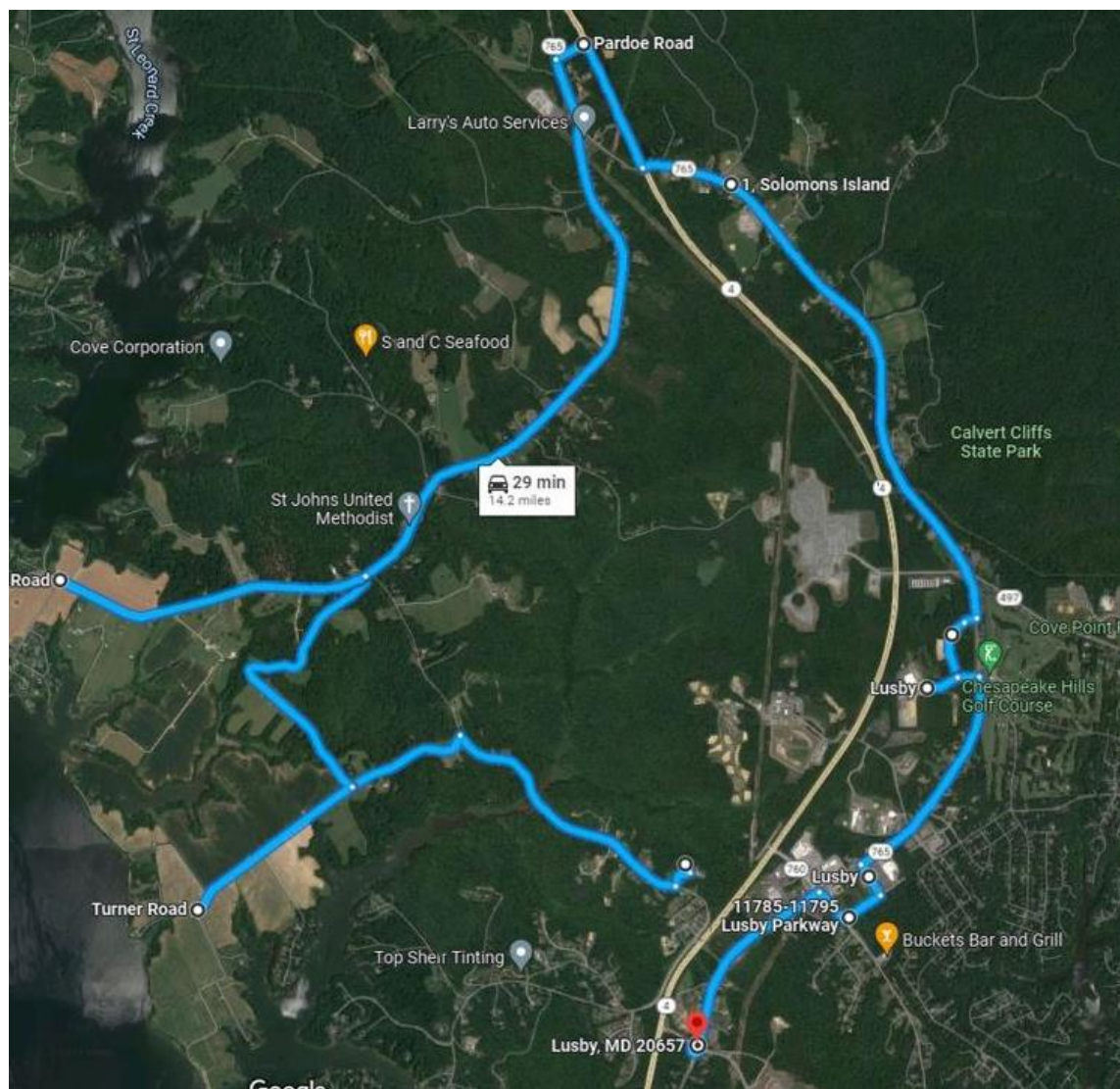
Right onto Homeport Court to enter the Patuxent Business Park. Then make Right onto Anchorage Lane.

Turn around at the court and take Anchorage Lane back to HG Trueman Rd and turn right

Left onto Village Center Drive then Right onto Lusby Parkway

Right onto Rousby Hall Road then left onto HG Trueman Rd

Continue on HG Trueman Rd through Lusby to end at the traffic circle with Southern Connector Blvd



Mackall Route

Start onto Parran Road at Route 4

Left onto Mackall Road

Right onto Lloyd Bowen Road can turn around at end and proceed back to Mackall Road

Right onto Mackall Rd then .1 miles after Cage Rd make a left onto the gravel road. This will be the second turn-off on your left after you have passed Cage Rd on your right.

Continue down this driveway and turn around before the road enter the woods

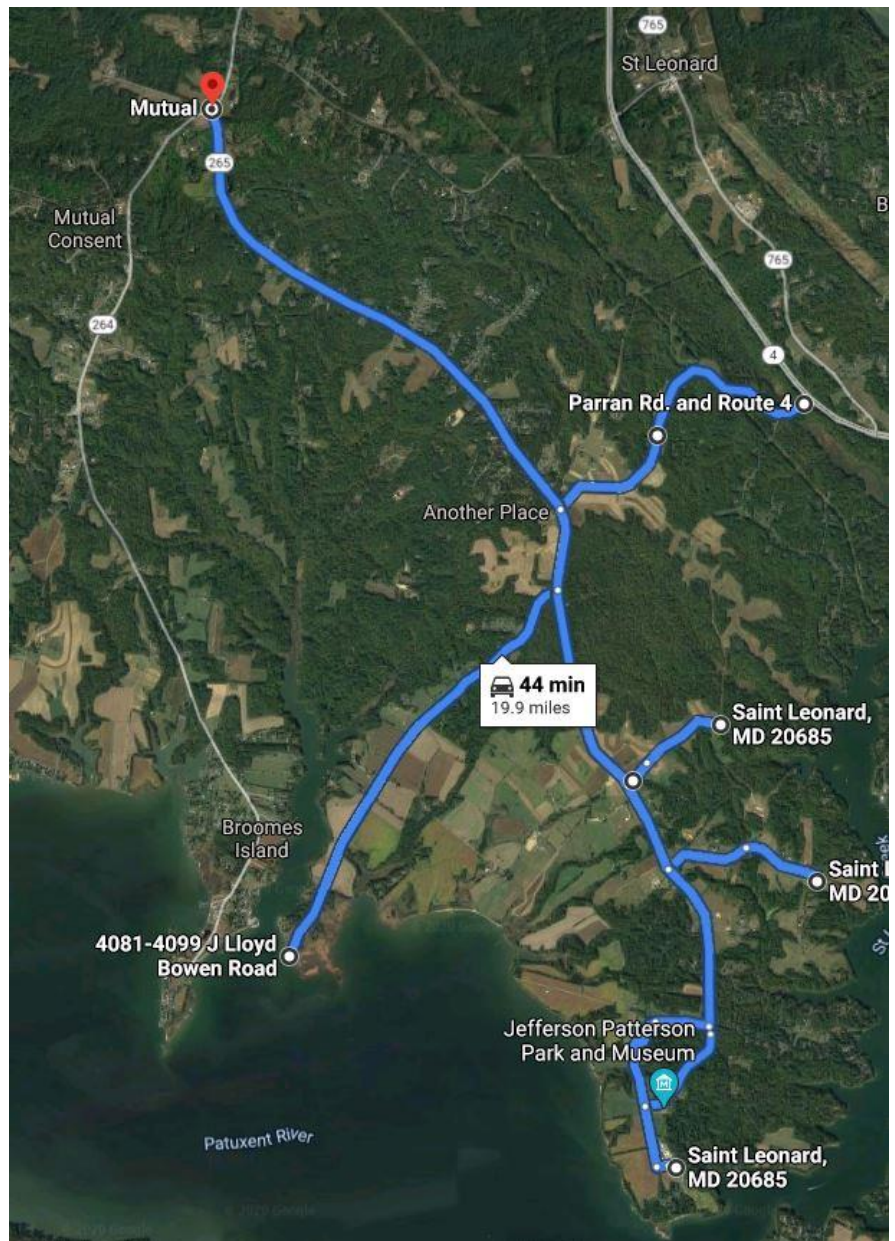
Make left onto Mackall Rd turn left onto Garrity Rd

Continue on Garrity Rd for 1.6 miles then turn around at the junction with the 2 driveways

Make left onto Mackall Rd and enter Jefferson Patterson Park.

Continue through the park all the way to the Patuxent Environmental & Aquatic Research Lab Turn around here and continue back through the park to the exit

Continue back on Mackall Rd to Broomes Island Rd where the survey will end.



St Leonard Route

Begin onto St Leonard Rd near Chesapeake's Bounty

At the traffic circle take first exit onto Calvert Beach Road. You may pull off on the side of the road under the power lines to scan the right of way.

Return back to the traffic circle and take first exit to continue north on St Leonard Rd

Take Right onto Woods Rd you can turn around after you pass under the power lines.

Take right to continue north on St Leonard Rd

Turn Right onto Western Shores Blvd, then left onto Valley Rd

At end of Valley Rd turn left onto Walnut Rd at the end of Walnut Rd scan the power line right of way.

Return back to right onto Valley rd then make right onto Sycamore Ln and scan the power line right of way at the end of the street.

Return back to St Leonard Rd making a right to continue North.

Turn right onto Governor's Run Rd after scanning the power line right of way you may turned around and right back on St Leonard Rd

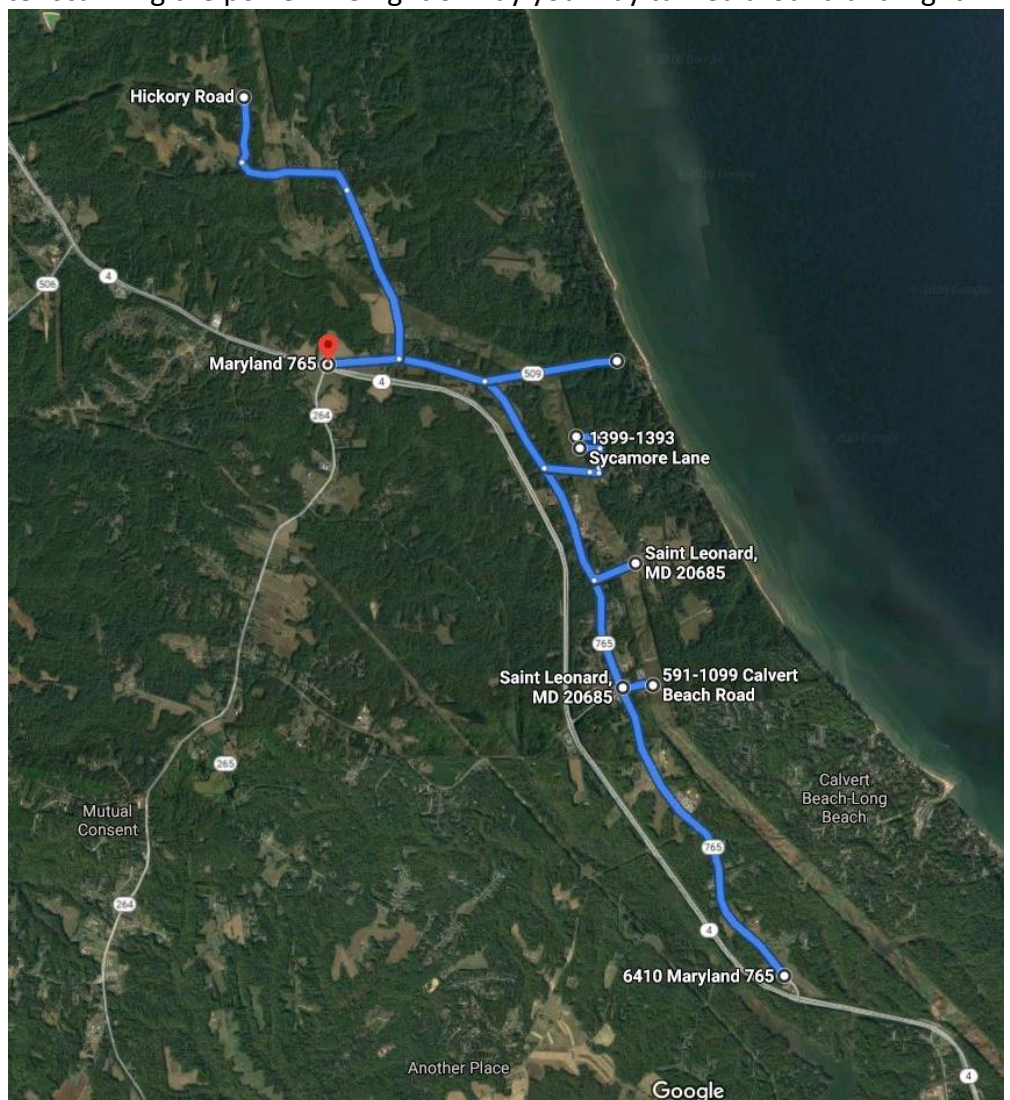
Turn right onto Parkers Creek Rd

Turn left onto Wash Hance Rd

Turn Right onto Weems Rd you can turn around after you cross under the power lines.

Return back to St Leonard Rd and turn right.

Survey ends where St Leonard Rd merges into Route 4 north



Broomes Island route

Begin onto Broomes Island Road starting at route 4

Continue to the end of Broomes Island Road and turn around at Penkert Lane

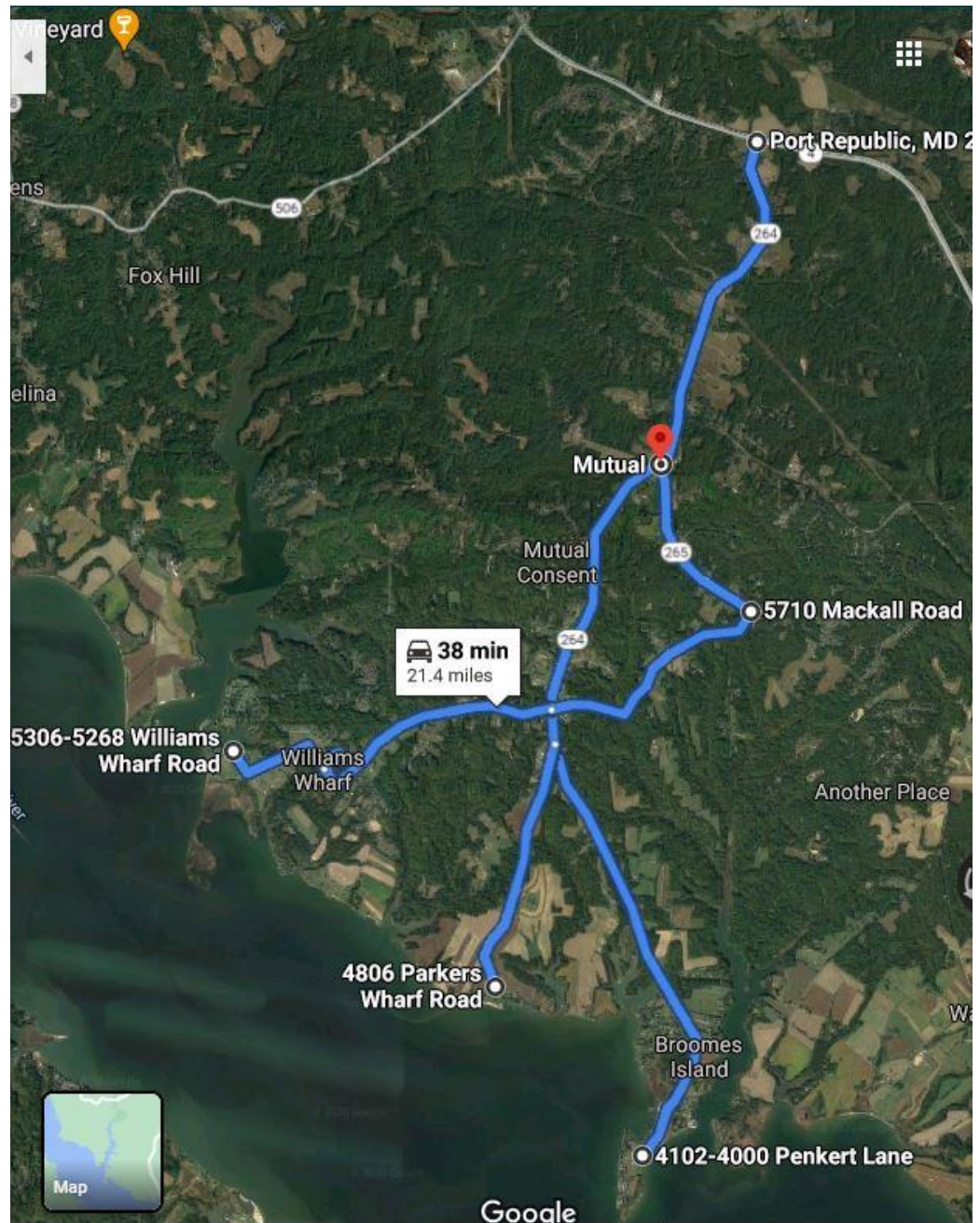
Turn left onto Parkers Wharf Road and continue to Patuxent Dr

Turn around at Rock Creek Circle and continue back to turn left onto Broomes island Rd

Turn left onto Williams Wharf Road and continue to end and turn around near 5223 Williams Wharf Rd

When you get back to Broomes Island Road continue straight across onto Ross Rd.

At the end of Ross Rd turn left onto Mackall Rd and end at Broomes Island Rd



Adelina Route

Begin at Biscoe Grey Heritage Farm then turn left onto Grays Rd

Turn left onto Sixes Rd

Turn left onto Henry Hutchins Road turning around at 2225 Henry Hutchins Rd

Continue by turning left onto Sixes Rd

Turn left onto Adelina rd then immediate left onto Old Adelina Rd

At the end of Old Adelina Rd turn left onto Adelina Rd

Continue to the end of Adelina Rd and turn around near 3855 Adelina Rd

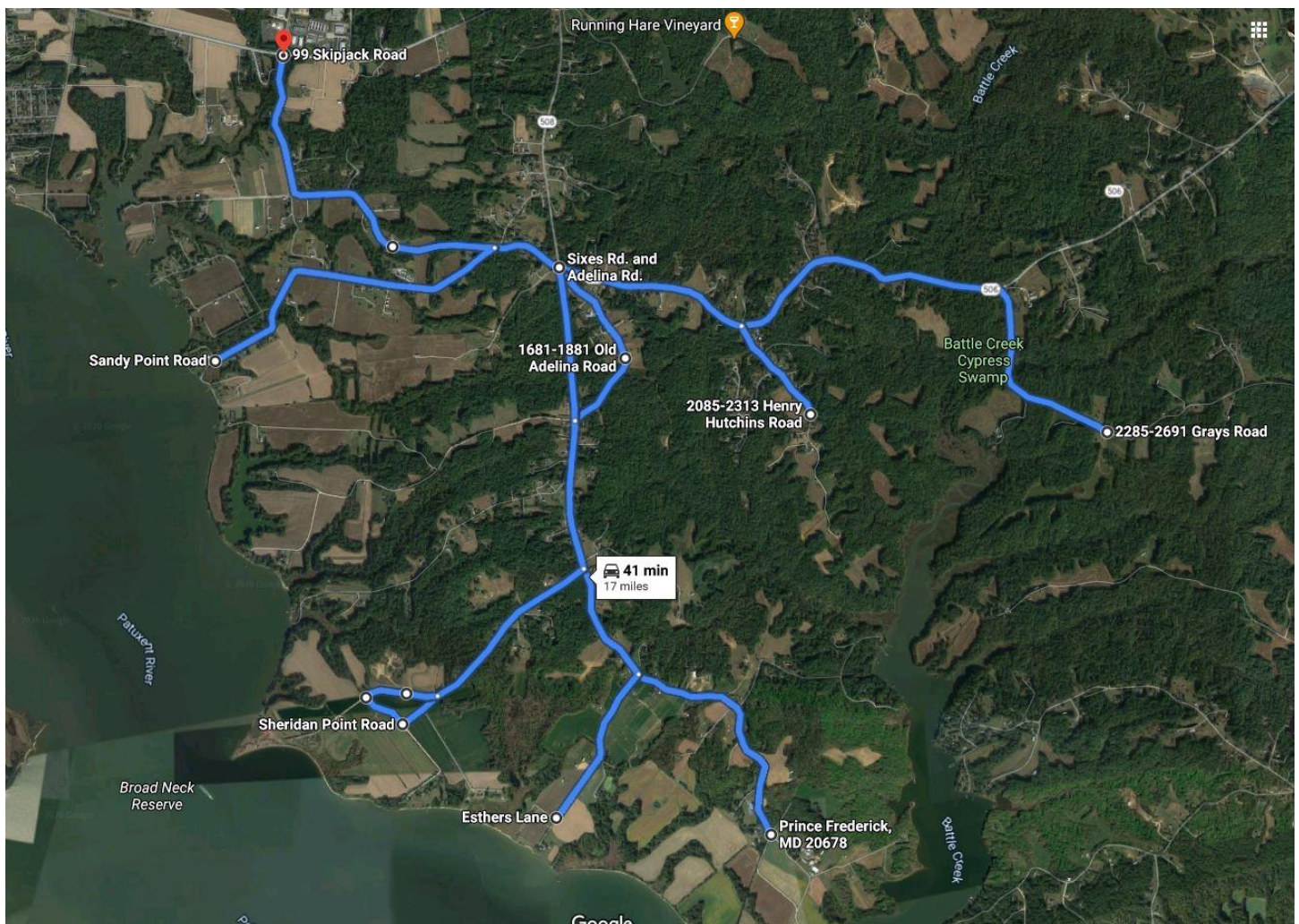
Turn left onto Benson Hutchins Road continue to Esthers Lane then turn around to make a left onto Adelina Rd

Turn left onto Sheridan Point Rd make small loop at end then continue back to turn left onto Adelina Rd

Turn left onto Sixes Rd then turn left onto Sandy Point Rd

Continue down Sandy Point Rd and turn around near 6255 Sandy Point Rd

Turn left onto sixes Rd and end the survey once you reach route 231



Barstow Route

On heading east on route 231 from Hallowing Lane

Turn Left onto Skipjack Rd at the traffic circle take the 3rd exit onto Ketch Rd

Follow Ketch Rd to end and turn around at court

Turn left onto Cedar Beach Rd then turn around at court

Turn left onto ketch rd and continue back to 231 via Skipjack Rd

Turn left to continue onto 231

Turn left onto Barstow Rd

Turn left onto Buena vista Rd and continue to the end turning around once you reach the river

Make a left to continue back on to Barstow Rd then Turn left onto Hutchins Rd turning around at the gate

Make a left to continue back on to Barstow Rd then Turn left onto Leitches Wharf Road

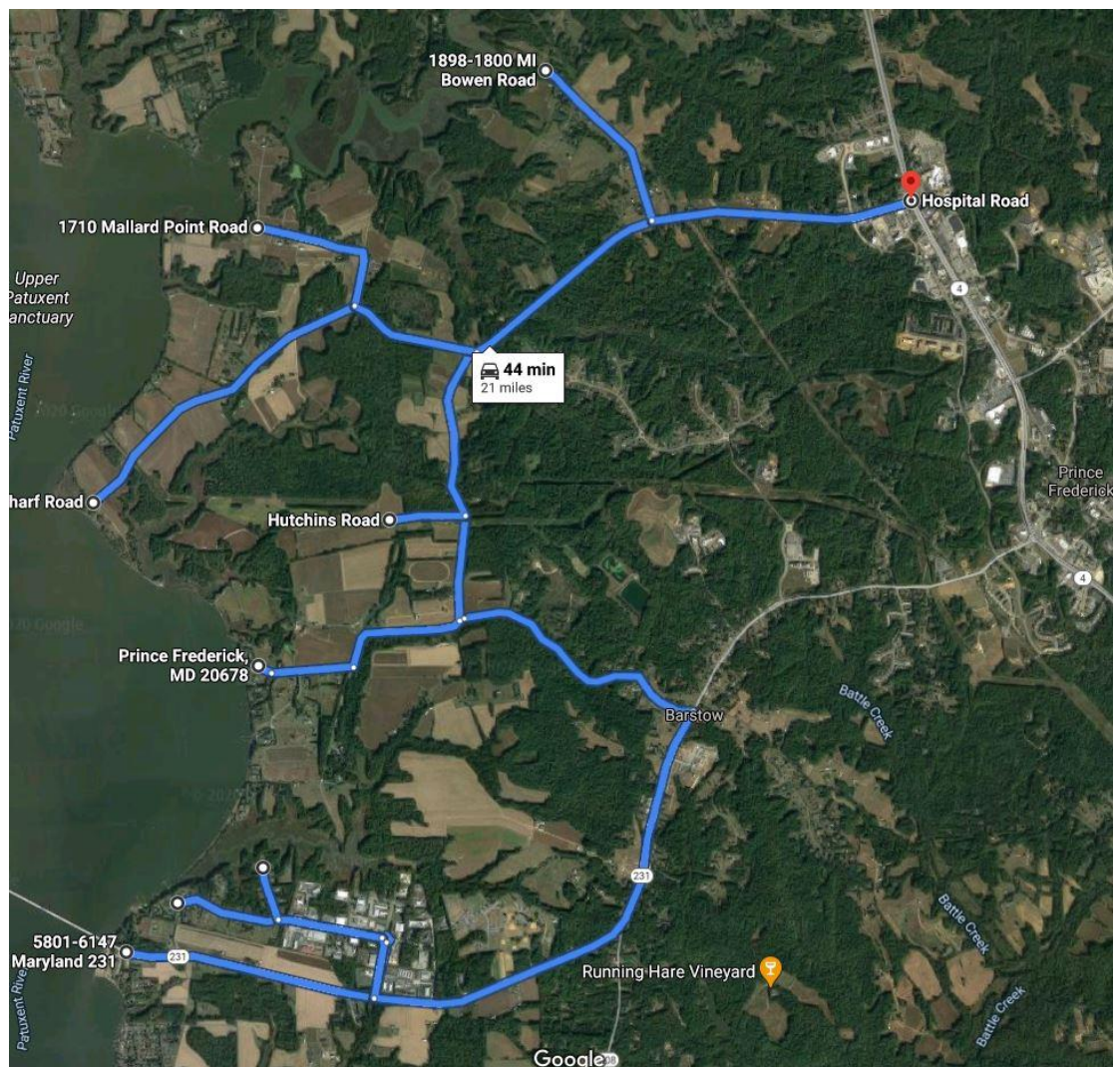
Turn around near 5300 Leitches Wharf Rd

Make left onto Mallard Point Road turning around near 1695 Mallard Point Rd where the road splits

Make left back onto
Leitches Wharf Rd and
then continue onto
Stoakley Rd

Turn Left onto MI Bowen
Rd turning around at
Cedar Point Ln

Turn left onto Stoakley
Rd ending the survey at
Route 4



Plum Point Route

Begin on Armory Rd near Taco Bell continuing towards traffic circle to take 3rd exit onto Dares Beach Rd

Turn Left onto Wilson Rd, then turn left onto Huntsman Drive continue through traffic circle to turn around at the court at the end of Huntsman Drive

Turn left back onto Wilson Rd which then turns into Emmanuel Church Rd

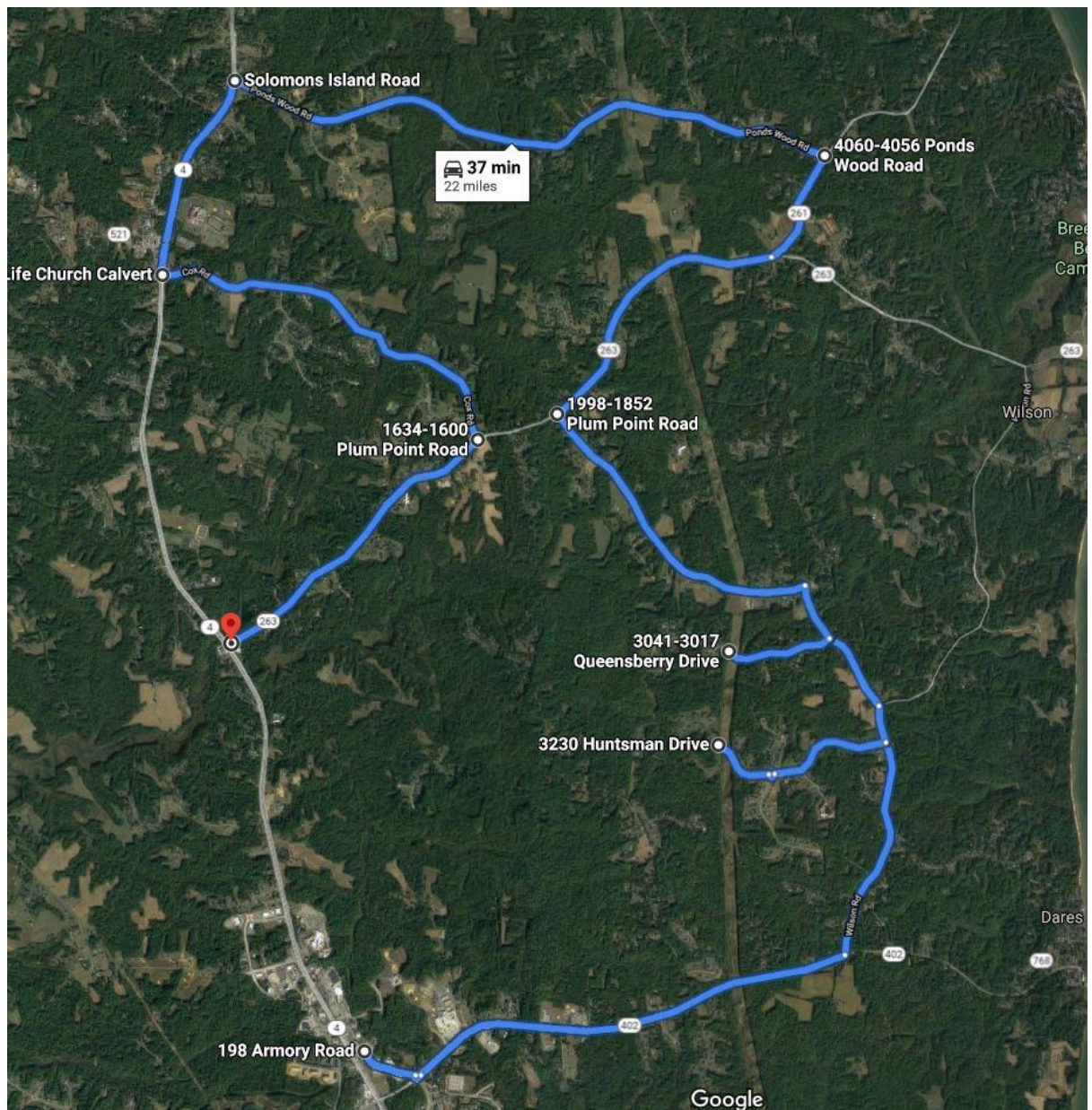
Then make left onto Queensberry Dr turning around in traffic circle after going under the power lines.

Turn left back onto Emmanuel Church Rd, then turn left to continue on Emmanuel Church Rd

Turn Right onto Plum Point Rd then Left onto Ponds Wood Rd

Turn left onto Route 4 south then make left onto Cox Rd

Turn Right onto Plum Point Rd and end survey once you reach route 4



S Huntingtown Route

Begin onto Bowie Shop Rd from route 4 then turn left onto Lowery Rd

Turn left onto Huntingfields Dr and turn around at Winterberry Ln

Turn left back onto Lowery Rd then turn left onto Soper Rd then turn around near 3391 Soper Rd

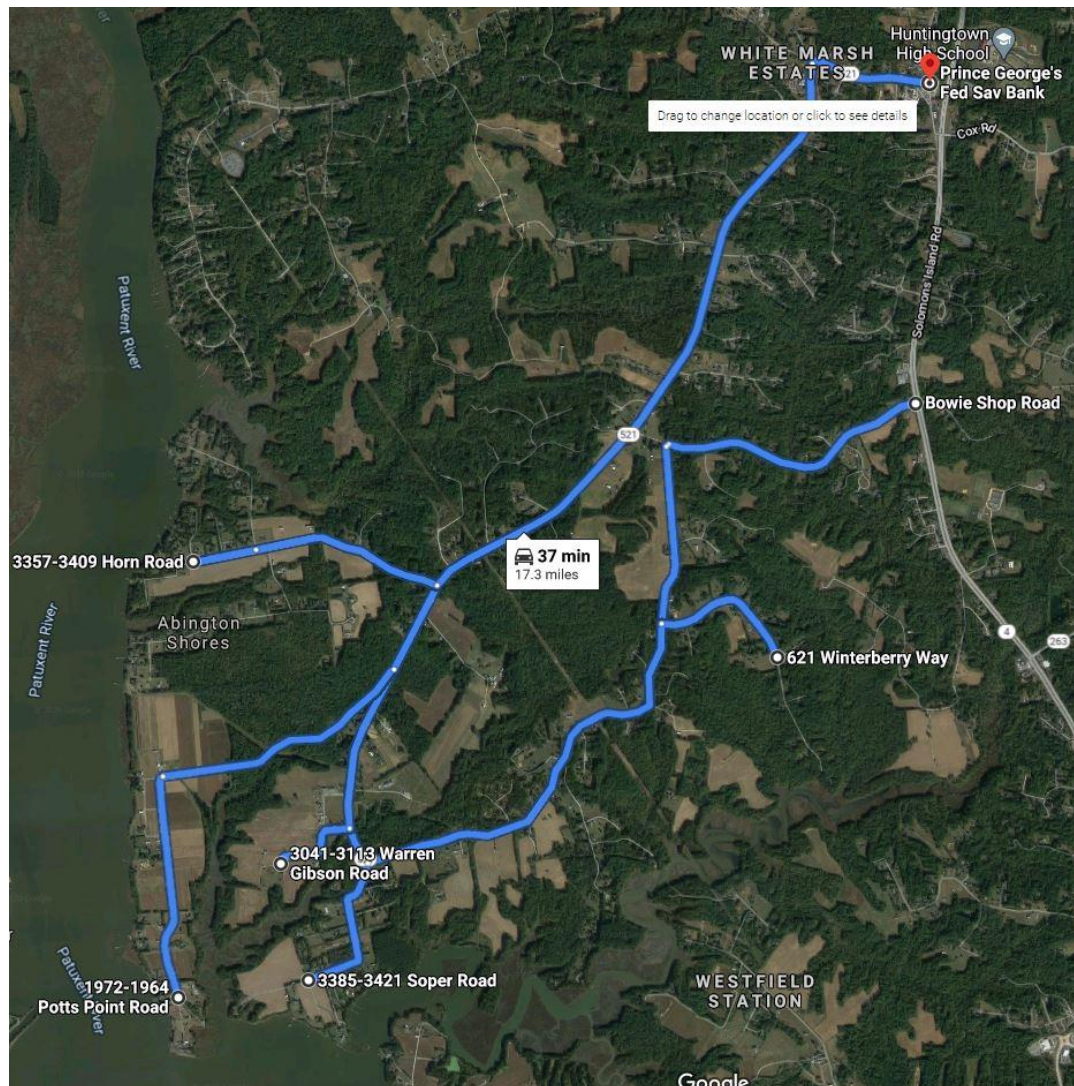
Turn left onto Hunting Creek Rd then turn left onto Warren Gibson Rd turn around before the pond and last driveway

Turn left to continue on Hunting Creek Rd then turn left onto Potts Points Rd, follow to end turning around at court

Turn left to continue on Hunting Creek Rd then left onto Deep Landing Rd, Follow to end and turn around at Tidewater Lane

Turn left to continue on Hunting Creek Rd then turn right onto Huntingtown Rd

End Survey once you get To Bowens Grocery store



N Huntingtown Route

Begin driving west on Huntingtown Rd at Bowens Grocery

At 4 way stop turn left onto Holland cliffs Rd turn around at court at end of Hollands Cliff Rd

Turn right onto Robinson Road to access Hidden Hill Rd via Holland Dr from that end.

After driving Hidden Hill Road take Holland Dr back to Robinsion Rd and turn right turning around at court where the painted lines end

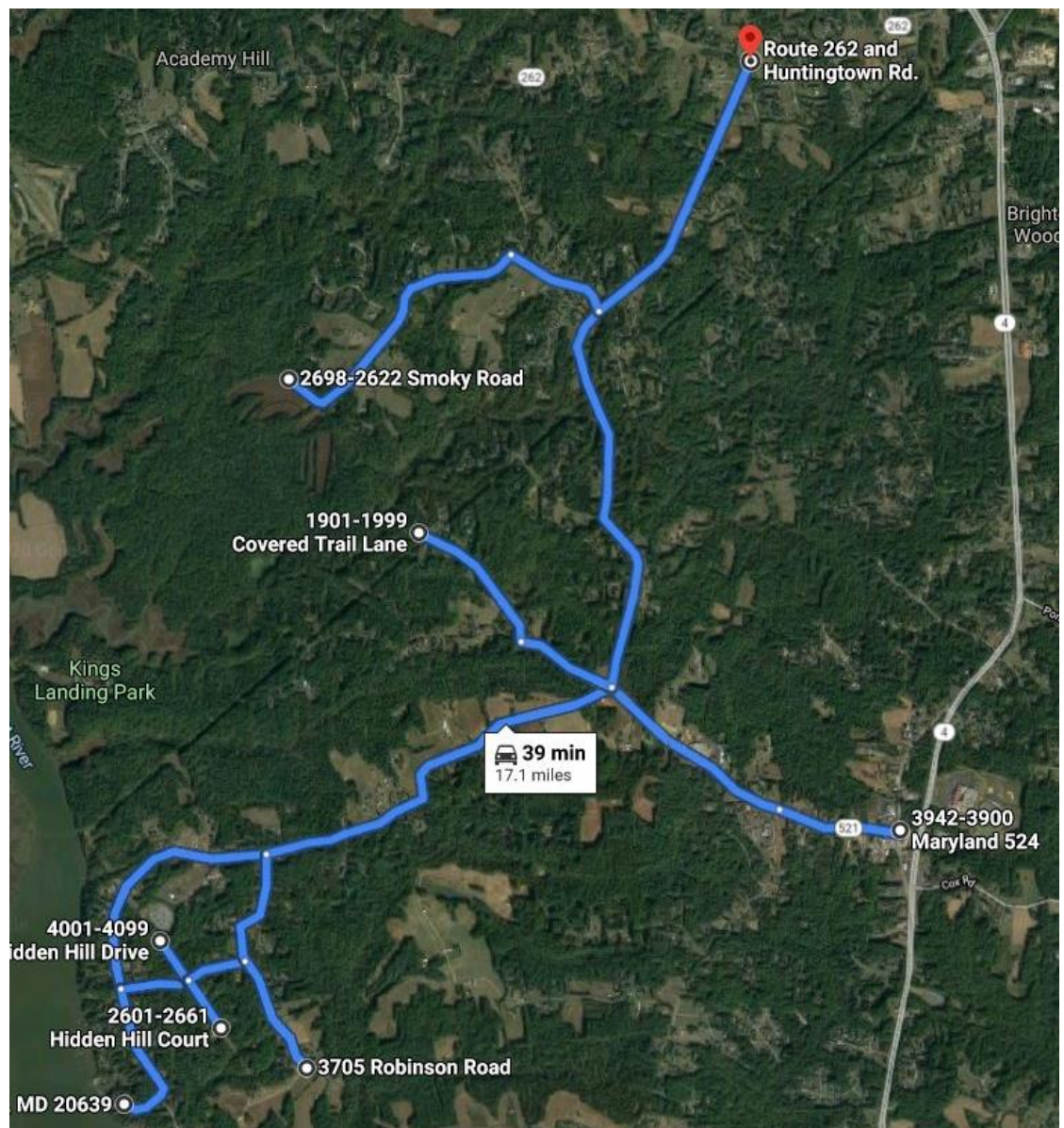
Continue back to 4 way stop then make left onto Kings Landing Rd

Turn Right onto Danigus Ln turning around at the court and continue back to 4 way stop

Turn left onto Huntingtown Rd turning left onto Mill Branch Rd

Turn left onto Smoky Road and turn around at hunters parking area at the end

Continue back to Huntingtown Road via Mill Branch Rd and turn left onto Huntingtown Rd and end survey when you get to Lower Marlboro Rd.



Lower Marlboro Route

Begin traveling west on Lower Marlboro Rd from route 4

Turn left onto St Johns Chapel Rd turning around at Plane Tree Dr and make left back onto Lower Marlboro Rd

Turn Right to stay on Lower Marlboro Rd which becomes Chaneyville Rd

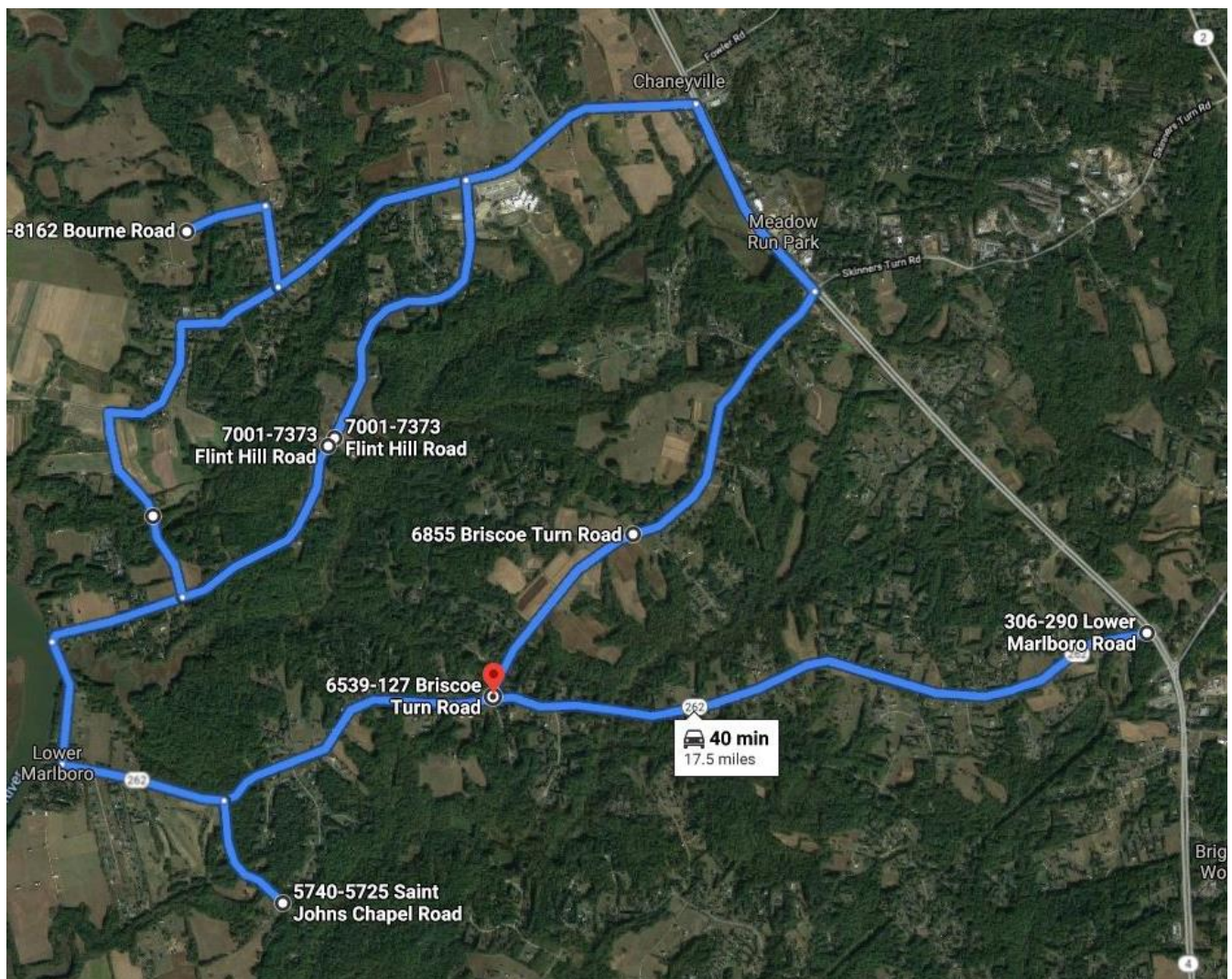
Continue straight onto Flint hill Rd as Chaneyville Rd turns left. Turn around at barrier *Flint Hill Rd is no longer a through road*

Return to Chaneyville Rd and turn right, then turn left onto Bourne Rd turn around near 8181 Bourne Rd driveway

Turn right onto Chaneyville Rd then turn right onto Flint Hill Rd turning around at the barrier.

Turn right onto Chaneyville Rd then make right onto route 4 south

Turn Right onto Briscoe Turn Rd and end survey once you get to Lower Marlboro Rd



Chesapeake Beach Route

Begin at route 2/4 split and continue north on route 2

Turn right onto Dalrymple Rd at the end of Dalrymple continue left onto Old Bayside Rd

At the end of Old Bayside Rd turn left onto Bayside Rd / Route 261

Turn left onto 260 then exit left to take E Mt Harmony Rd

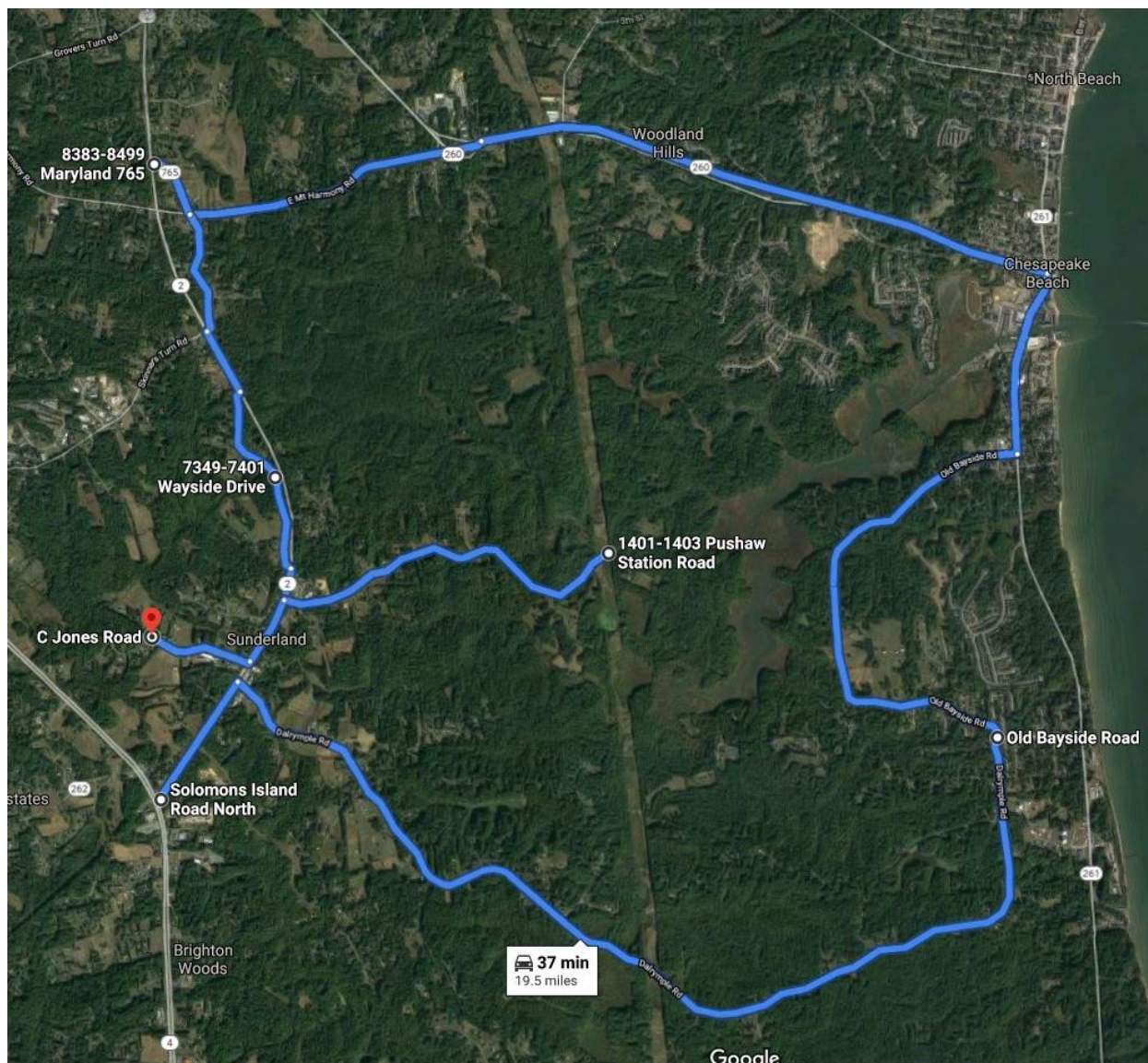
Turn right onto Mt Harmony Lane turn around at Hutchins Pond entrance road and follow Mt Harmony Lane back to route 2 crossing over E Mt Harmony Rd

Take left onto route 2 south then right onto Wayside Dr at the end of wayside drive turn right to continue on route 2 south

Turn left onto Pushaw Station Rd and turn around just after driving under the power lines at Dorothy Dr and return to route 2 and turn left to continue south

Turn right onto Clyde Jones Rd and turn around at Den Mar Lane

The survey will end when you get back to route 2



Dunkirk Route

**** do not get out of your vehicle during this route and keep stopping to a minimum****

Begin heading east on Ward Road from Dunkirk.

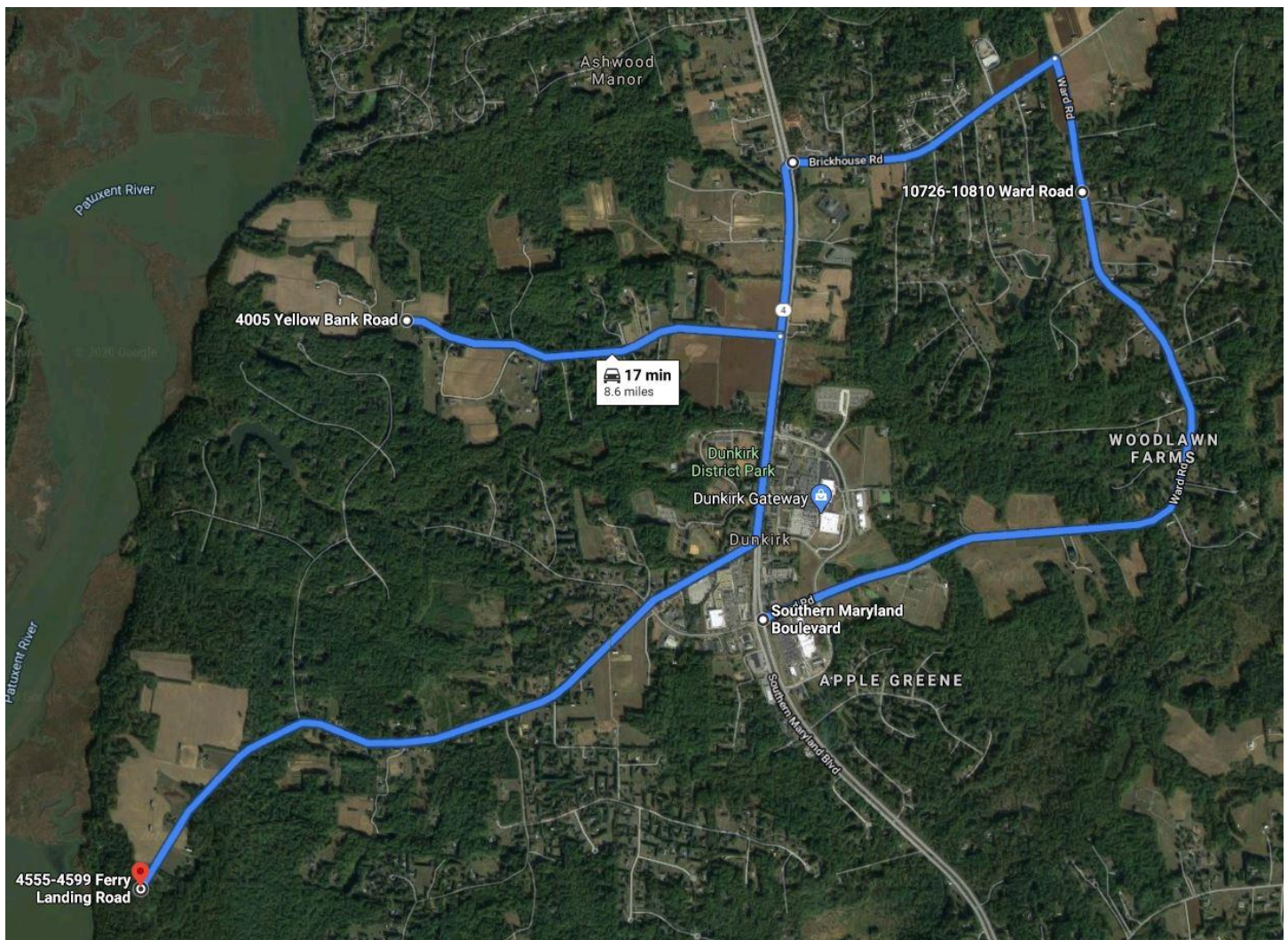
Turn Left onto Brickhouse Rd

Continue on Route 4 South then turn right onto Yellow Bank Rd

Turn around when the center yellow line stops and head back to Route 4

Continue south on Route 4 then Turn right onto Ferry Landing Rd

Turn around at the end at the Hall Creek NRMA and head back to route 4 where the route will end



Entering your data into eBird

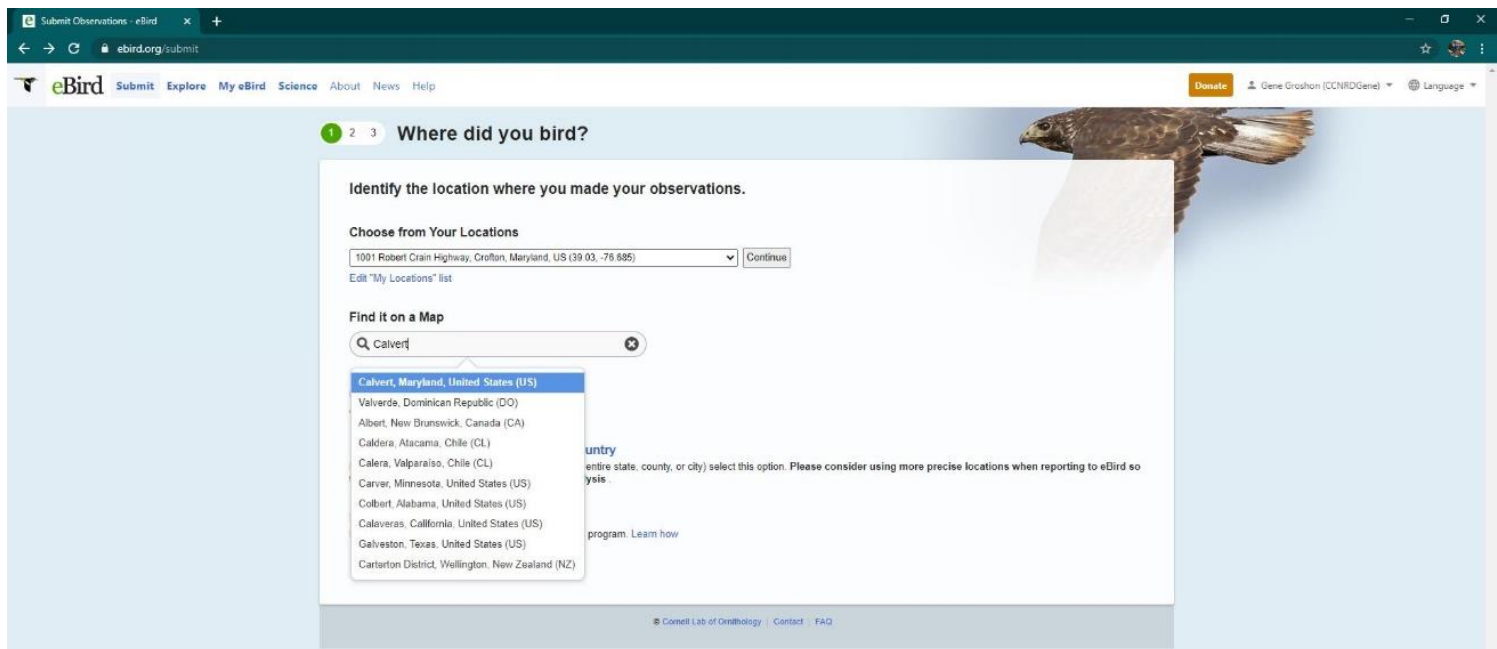
In order to submit data for this project you will need to create an account with eBird. Instead of submitting a list of the birds you saw along this route you will have to submit each sighting. This way each sighting of a raptor can have a specific location that will be pin pointed on the map and will be extremely useful for staff when we are attempting to relocate these raptors you all have seen.

For even more help eBird has created an excellent and FREE online course to get people familiar with using eBird including the mobile app. <https://academy.allaboutbirds.org/product/ebird-essentials/>

If you are still having trouble after this guide email me at gene.groshon@calvertcountymd.gov and I can set up a zoom meeting with you to go over it.

For the example below I will demonstrate entering in data for a raptor survey done on the Mackall Route. My first sighting I will be entering is for 2 adult Red Shouldered Hawks I spotted in a tree near the corner of Mackall Rd and Collins Ct.

Step 1 Where: To begin log in and select the Submit tab located just to the right of the eBird logo. Next use the Find it on a Map search bar to find and select Calvert, Maryland, United States (US)



The screenshot shows the eBird website's 'Submit Observations' page. The browser address bar shows 'ebird.org/submit'. The page has a navigation bar with 'Submit', 'Explore', 'My eBird', 'Science', 'About', 'News', and 'Help'. A 'Donate' button and a user profile 'Gene Groshon (CCNRDGene)' are on the right. The main heading is 'Where did you bird?' with a bird illustration. Below it, the instruction 'Identify the location where you made your observations.' is shown. There are two main sections: 'Choose from Your Locations' with a dropdown menu showing '1001 Robert Crain Highway, Crofton, Maryland, US (39.03, -76.585)' and a 'Continue' button; and 'Find it on a Map' with a search bar containing 'Calvert'. A dropdown menu is open under 'Find it on a Map', listing various locations including 'Calvert, Maryland, United States (US)', 'Valverde, Dominican Republic (DO)', 'Albert, New Brunswick, Canada (CA)', 'Caldera, Atacama, Chile (CL)', 'Calera, Valparaiso, Chile (CL)', 'Carver, Minnesota, United States (US)', 'Colbert, Alabama, United States (US)', 'Calaveras, California, United States (US)', 'Galveston, Texas, United States (US)', and 'Carterton District, Wellington, New Zealand (NZ)'. To the right of the dropdown, there is a note: 'entire state, county, or city) select this option. Please consider using more precise locations when reporting to eBird so'. At the bottom of the page, there is a footer with 'Cornell Lab of Ornithology', 'Contact', and 'FAQ'.

This will bring up a map of Calvert County. Please zoom in on the map to find the exact location you saw the bird. It will be useful to switch the map to the satellite layer to make finding the location easier as this will allow you to see tree lines, building, etc. Click on the map where you spotted the bird and give that location a name. For this location I named it corner of Mackall Rd + Collins Ct. Names can be simple but need to help describe the location. (barn at corner of Mackall Rd + Parran Rd, large tree in middle of field across from Cage Rd, etc.) Then click Continue.

****It is very important to physically place the pin point where you saw the raptor and not to rely on your phone's GPS to place the point. Your GPS on a phone is still just an estimate and even if it is accurate you will likely not be right next to the raptor you saw****

Step 2 Date and Effort: Enter in the date you saw the raptor, for Observation Type select Stationary. Even though you are technically traveling the Random observation type will be better since we are submitting specific sightings not a general list. Enter in the time you saw the bird, duration of time you viewed it and number of people in your party size. Distance will be record as 0. For the checklist comments please enter the following “CCNRD Raptor Survey (route name)” Then click Continue.

Step 3 What did you see or hear?: Now you will enter in the species of raptor that you saw. You can either scroll down the list to find the species or use the search bar in the upper right that says “*Jump to species...*” Here you may enter in the full name of the species or the 4 letter code found above in the identification guide. Once you find your species enter in the number you saw then click “Show Details” For the description describe what you saw, where you saw it and what the bird was doing. (perched in a tree, on the ground, soaring, etc). If you were able to age or sex the birds you may write this in the description and click Age & Sex to enter the data into the chart. If you are not able to age or sex the birds that is okay this data is optional.

If you were not able to identify the species but know it was a hawk/falcon or at least a raptor you can enter that into the Jump to Species search bar. Your options will be (Hawk sp, Falcon sp, or diurnal raptor sp). Diurnal raptor sp can be used if you know it was a raptor but were not able to identify if it was a hawk or falcon. After selecting one of these options give your best description how the bird looked in the details. This will help us to possibly identify the bird. Photos can be submitted as well at a later step in the eBird submission process.

Once you have entered in the species you saw you are asked: Are you submitting a **complete checklist** of the birds you were able to identify?

If the raptor was the only species you were able to identify you may click Yes.

If you were able to identify other birds seen or heard while observing the raptor but did not include them on this submission click No

If you were able to identify other species while observing the raptor you may add these to your list and click Yes but it is not required for our project but may help other people using eBird data. You do not need to count all the individuals present to answer 'Yes' to this question (you can enter 'x' for species you observed but did not count). The staff at eBird request that you “Please do try to report all species; it improves our ability to analyze your data.”, but it is not required for our project as our focus is on the raptors.

The screenshot shows the eBird submission interface. On the left, a list of bird species is displayed under the heading "HERONS, IBIS, AND ALLIES". The species "Red-shouldered Hawk" is selected, and the count "2" is entered next to it. The "Details" section is expanded, showing a text input field with the description "2 adult RSHA with clear orange chests seen perched in tree". Below this, there are fields for "Age & Sex" with a table for recording data. The "Media" section is also visible, with a prompt to add media. On the right side of the form, there is a search bar labeled "Jump to Species..." and a section for "Are you submitting a complete checklist of the birds you were able to identify?" with radio buttons for "Yes" and "No". A "Submit" button is at the bottom right.

Age & Sex	Juvenile	Immature	Adult	Age Unknown
Male				
Female				
Sex Unknown				2

Yay you did it! Now your sighting has been submitted. At this time you may click the green Add media button if you have photos to add.

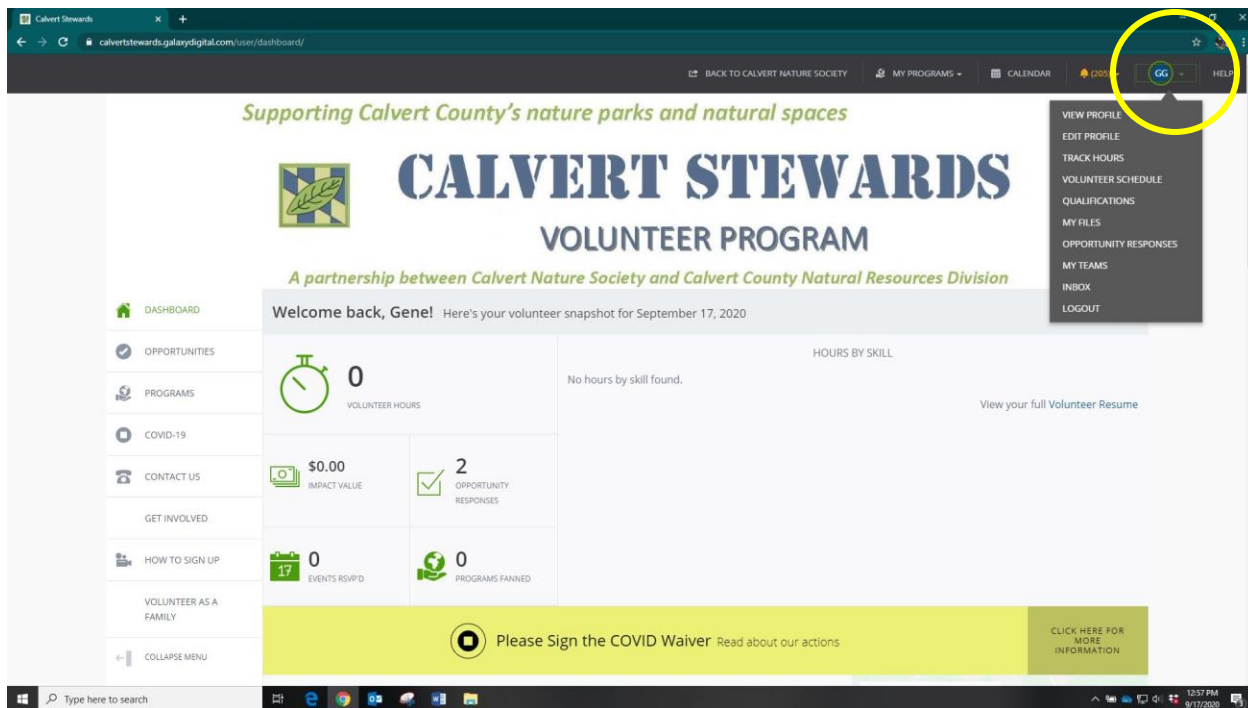
The screenshot shows the eBird submission interface. At the top, there's a navigation bar with 'eBird' logo and links like 'Submit', 'Explore', 'My eBird', 'Science', 'About', 'News', and 'Help'. A 'Donate' button is also present. Below the navigation bar, the submission details are shown: 'CHECKLIST S73420739', 'Thu 10 Sep 2020 12:02 PM', and 'Corner of Mackall Rd + Collins Ct, Calvert County, Maryland, United States'. A 'Checklist tools' button is visible. On the left, there's a section for 'Gene Groshon' with a 'Share' button and a 'Random' status. Below this, there's a 'SUBMIT ANOTHER FOR...' section with options like 'Same location and date', 'Same area and date', 'Same area', 'Same date', and 'Different location and date'. The main content area shows '1 Species observed 2 individuals'. The first species is 'Red-shouldered Hawk' (2 adult RSHA with clear orange chests seen perched in tree). Below this, there's a table for 'AGE & SEX' with columns for 'Juvenile', 'Immature', 'Adult', and 'Age Unknown'. The table shows 'Male' and 'Female' rows, with 'Sex Unknown' having a count of '2'. There are 'Add media' and 'Edit species' buttons on the right.

Here you will be able to select the species you saw from the submission and add in photos. Once uploaded it will save automatically. Once you have added your photos you may click the individual photos to add media details if you would like. Once you have uploaded the photos click the blue Done button in the upper right corner. Your submission will now have the photos attached.

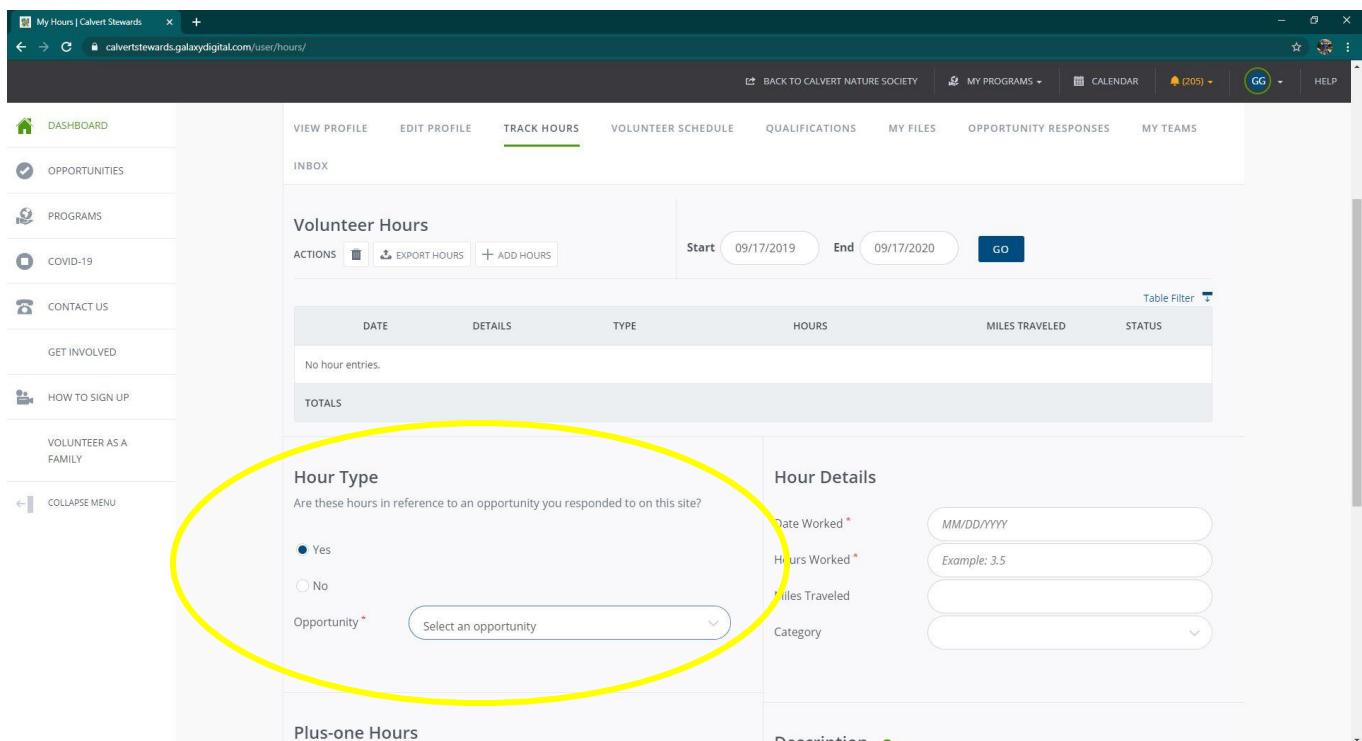
The screenshot shows the 'Manage Media' page for the same eBird submission. The page title is 'Manage Media' and it shows the submission details: '10 Sep 2020 12:02 PM', 'Corner of Mackall Rd + Collins Ct, Calvert, Maryland, US', and a 'Send feedback' button. The main content area shows '2 Red-shouldered Hawk Buteo lineatus'. There's a 'Filter species' input field. Below this, there's a photo of a Red-shouldered Hawk perched on a branch. The photo has a rating of 5 stars and a file name '80997997_60279737204312_A3...'. To the right of the photo, there's a 'Details' tab and a 'Media' tab. The 'Media' tab is selected, showing 'Select: 1 0' and an 'Add media' button. Below the photo, there's a section for 'View or select media to make changes.' with instructions: 'Upload up to 10 files per species. Drag and drop media from your file system onto the correct species.' There are two sections: 'Photos' and 'Audio'. The 'Photos' section lists: 'JPG (preferred), PNG or GIF', 'Maximum file size: 10 MB', and 'High resolution without watermark preferred'. The 'Audio' section lists: 'WAV (preferred), MP3, or M4A', 'Maximum file size: 250 MB', and 'At least 44.1 kHz, at least 16 bits'. At the bottom right, there are 'Saved' and 'Done' buttons. The URL at the bottom is 'https://ebird.org/checklist/S73420739/media#'

How to log your hours for each survey

Once you are logged into the Calvert Stewards website click the drop down arrow next to your initials in the top right portion of the screen. This will allow you to view and edit your profile, see your qualifications, see what is on your schedule and track your hours. Click “Track Hours”



Scroll down and under Hours Type click the button for Yes then select “Raptor Road Surveys” as the opportunity.



Next under Hours Details enter the date you conducted the survey, how many hours it took, how many miles you traveled. The category is not required unless you are trying to use these hours to meet master naturalist needs. **Note you may enter in multiple Survey Routes if they were conducted on the same day. Just add up the total number of hours surveying and total mileage. Later in this process you will be able to let us know which routes you did.**

My Hours | Calvert Stewards

calvertstewards.galaxydigital.com/user/hours/

BACK TO CALVERT NATURE SOCIETY MY PROGRAMS CALENDAR (209) GG HELP

DASHBOARD OPPORTUNITIES PROGRAMS COVID-19 CONTACT US GET INVOLVED HOW TO SIGN UP VOLUNTEER AS A FAMILY COLLAPSE MENU

VIEW PROFILE EDIT PROFILE **TRACK HOURS** VOLUNTEER SCHEDULE QUALIFICATIONS MY FILES OPPORTUNITY RESPONSES MY TEAMS

INBOX

Volunteer Hours

ACTIONS EXPORT HOURS + ADD HOURS

Start 09/17/2019 End 09/17/2020 GO

DATE	DETAILS	TYPE	HOURS	MILES TRAVELED	STATUS
No hour entries.					
TOTALS					

Hour Type

Are these hours in reference to an opportunity you responded to on this site?

☒ Yes ☐ No

Opportunity*

Hour Details

Date Worked*

Hours Worked*

Miles Traveled

Category

Plus-one Hours

Description

If you had anyone that assisted you with this survey that does not have an account they may be added under Plus-one Hours. Click Yes then enter the number of additional volunteers and whether they were friends, family, etc.

My Hours | Calvert Stewards

calvertstewards.galaxydigital.com/user/hours/

BACK TO CALVERT NATURE SOCIETY MY PROGRAMS CALENDAR (209) GG HELP

DASHBOARD OPPORTUNITIES PROGRAMS COVID-19 CONTACT US GET INVOLVED HOW TO SIGN UP VOLUNTEER AS A FAMILY COLLAPSE MENU

VIEW PROFILE EDIT PROFILE **TRACK HOURS** VOLUNTEER SCHEDULE QUALIFICATIONS MY FILES OPPORTUNITY RESPONSES MY TEAMS

INBOX

Plus-one Hours

Did you volunteer with one or more people who do not have a Connect account?

☒ Yes ☐ No

Complete the fields below to add hours anonymously for each additional person in your group.

Number of additional volunteers*

Who volunteered with you?*

Q. (Optional) Will you volunteer with the Calvert Stewards again? ☐ Yes ☐ No ☐ Not sure

Q. (Optional) Why will you (or will you not) continue to volunteer with the Calvert Stewards?

Description

Brief Description

SUBMIT HOUR ENTRY CLEAR FORM

Under Description please write the name of the survey route(s) (Adelina Route, Barstow Route, etc) that you completed on this date, the times you started each route and a general description of the weather.

Example: Conducted Barstow Route starting at 7:00am Conducted S Huntingtown Route starting at 9:00am.
Weather was overcast high of 45 F

This screenshot shows the 'Plus-one Hours' form on the Calvert Stewards website. The 'Description' field, which is highlighted with a yellow oval, is located on the right side of the form. It contains the placeholder text 'Brief Description'. The form also includes a sidebar with navigation links, a 'SUBMIT HOUR ENTRY' button, and a 'CLEAR FORM' link.

My Hours | Calvert Stewards

calvertstewards.galaxydigital.com/user/hours/

BACK TO CALVERT NATURE SOCIETY MY PROGRAMS CALENDAR (205) GG HELP

DASHBOARD

OPPORTUNITIES

PROGRAMS

COVID-19

CONTACT US

GET INVOLVED

HOW TO SIGN UP

VOLUNTEER AS A FAMILY

COLLAPSE MENU

Plus-one Hours

Did you volunteer with one or more people who do not have a Connect account?

☒ Yes ☐ No

Complete the fields below to add hours anonymously for each additional person in your group.

Number of additional volunteers * 3

Who volunteered with you? * Family, Friends, etc.

Q. (Optional) Will you volunteer with the Calvert Stewards again? ☐ Yes ☐ No ☐ Not sure

Q. (Optional) Why will you (or will you not) continue to volunteer with the Calvert Stewards?

Description

Brief Description

SUBMIT HOUR ENTRY CLEAR FORM

Next you can answer the 2 optional questions and then click Submit Hour Entry. Your hours have been recorded! Thanks again for helping out with all of our volunteer opportunities!

This screenshot shows the 'Plus-one Hours' form on the Calvert Stewards website. The two optional questions at the bottom of the form are highlighted with a yellow oval. The 'SUBMIT HOUR ENTRY' button is also visible. The form includes a sidebar with navigation links and a 'Description' field.

My Hours | Calvert Stewards

calvertstewards.galaxydigital.com/user/hours/

BACK TO CALVERT NATURE SOCIETY MY PROGRAMS CALENDAR (205) GG HELP

DASHBOARD

OPPORTUNITIES

PROGRAMS

COVID-19

CONTACT US

GET INVOLVED

HOW TO SIGN UP

VOLUNTEER AS A FAMILY

COLLAPSE MENU

Plus-one Hours

Did you volunteer with one or more people who do not have a Connect account?

☒ Yes ☐ No

Complete the fields below to add hours anonymously for each additional person in your group.

Number of additional volunteers * 3

Who volunteered with you? * Family, Friends, etc.

Q. (Optional) Will you volunteer with the Calvert Stewards again? ☐ Yes ☐ No ☐ Not sure

Q. (Optional) Why will you (or will you not) continue to volunteer with the Calvert Stewards?

Description

Brief Description

SUBMIT HOUR ENTRY CLEAR FORM



2020-VPP

Volunteer Parking Permit

In order to conduct research activities

Compliments of Calvert County Natural Resources Division

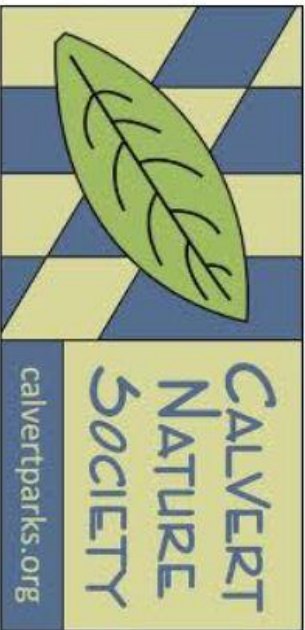
Authorized by:

A handwritten signature in black ink, appearing to be 'SOM'.

Expires: December 31, 2024

This parking permit grants permission for one vehicle to access Calvert County parks to facilitate access to research locations. Place on dashboard so it is visible from the outside. Please park in a manner to allow other park vehicles to pass on the park roads. This does not grant permission to drive on trails or boardwalks.

- Remember to log your volunteer hours!
Make sure you have "responded" to the opportunity so your hours can be tracked with the correct project.
1. Log in: <https://calvertstewards.galaxydigital.com>
 2. Click Add Hours
 3. Scroll down or Click Add Hours and complete the form
 4. Click Submit Hour Entry



2020-VPP

Volunteer Parking Permit

In order to conduct research activities

Compliments of Calvert County Natural Resources Division

Authorized by:

A handwritten signature in black ink, appearing to read "SOM", is written over a light blue horizontal line.

Expires: December 31, 2024

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