

BLOCKBUSTER SURVEY 2017 THE BASICS FOR USING THE IPHONE APP (v2)

1. You registered for one of the blocks on the Blockbuster Map. The Block is big, so on your own you will have to select one small portion of the block for your survey area.
2. Open the Survey 123 on your iPhone. Practice with the **TRAINING for PRACTICE only** part of the App until you are comfortable with the way to use the App, and you feel that you are ready to begin the actual **Blockbuster Survey**. When using the actual **Blockbuster Survey** follow the same steps that are described below using the **TRAINING for PRACTICE** part of the App.
3. Enter the initial Survey Information: Date, Name of Surveyor(s), Area Type (choose one), Give the site a name, and enter the Block Code (the one you got from the Blockbuster Map in step 1 above).

4. Before we go on, you should realize that each survey involves walking a survey path that consists of four consecutive segments. Each segment will be about as long as a football field including the end zones, i.e. about 100 meters or 330 feet long. Therefore, the entire distance of the survey path is about 400 meters (1320 feet), which is about a quarter of a mile.
5. As you walk the four consecutive segments you will use the remaining portion of the App to enter more than a dozen **Waypoints**. **A Waypoint is a specific location along your survey path. The App provides a procedure for you to have the App automatically record each of these Waypoints. To record a new waypoint you repeat the procedure that will be described below in statement 8.**

There are three types of Waypoints; some to mark the location of the four segments, some to mark divisions within each segment, and some to mark the location of any invasive plants.

6. **Where are the waypoints:** As you walk the four consecutive segments you will use the App on your iPhone to enter five Waypoints called segment boundary points (SBP): one at the beginning of each segment and one at the end of the fourth segment.

SBP-----SBP-----SBP-----SBP-----SBP
 < segment 1 > < segment 2 > < segment 3 > < segment 4 >

Please keep in mind that as you walk you are merely making an estimate of the length of each segment; you are making a guess as to what amount of walking is about 100 meters. There is no need to try to make exact measurements of length; the GPS of the iPhone will record the

exact length of each segment. For a person with an average stride, 100 meters is about 132 steps. You do not need to count your steps, but this is an approximate guide.

You are also asked to record two Waypoints within each segment: one waypoint (**w**) about 1/3 of the distance (30 meters or 110 feet) along the segment, and the other waypoint about 2/3 of the distance (60 meters or 220 feet) along the segment. About 44 steps is 110 feet/30 meters.

SBP-----w-----w-----SBP-----w-----w-----SBP-----w-----w-----SBP-----w-----w-----SBP

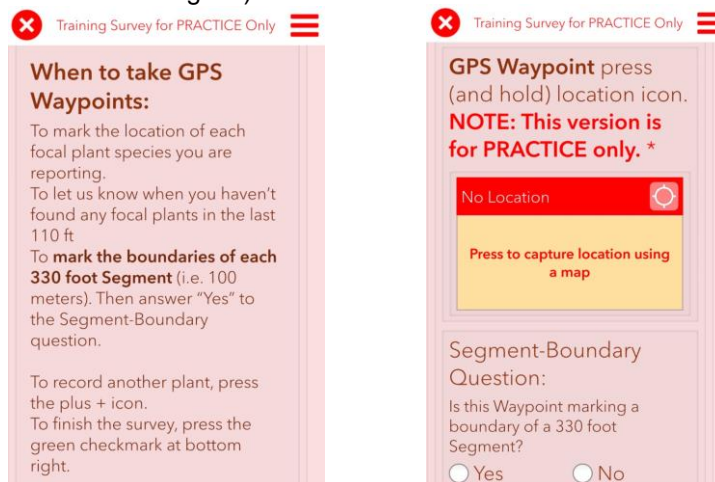
Again, the locations that you choose for the waypoints are just your estimates.

Finally, you will also record a Waypoint for each invasive plant that you find on your survey.

The same procedure is used for recording the Segment Boundary points, the Waypoints at 1/3 and 2/3 of each segment, and the Waypoints for reporting each invasive plant. The GPS Waypoint procedure is described within the survey and when you do the survey it will become part of a repeating cycle within the survey.

7. So to begin the recording of waypoints scroll down the App to just beyond the survey data area where it says **“Scan for Invasives”**. However, before you begin your walk, you need to record the GPS Waypoint coordinates of the beginning of the first segment. (For the moment we are going to scroll past the question “Did you find any invasive plants?” However, we will return to it.)

Scroll down to the area labeled “When to take GPS Waypoints”; read it. Then go a little further to **“GPA Waypoint press...”** (Note you must be outside of a building to use this so that the iPhone can receive a GPS signal.)



8. To record the waypoint press the circular icon in the box and hold it for a number of seconds (the longer you hold it the more accurately it identifies the location; when you lift your finger off the icon the icon may continue to rotate. You can stop the rotations by tapping on the circular icon). When the icon stops, press the box, and it should show the coordinates. Answer the Segment-Boundary Question just below the coordinate box (in this case answer “yes” the point is marking a boundary – it is the beginning of segment 1). To be able to record another waypoint (which you need to do), you press the plus sign (+), which is on the right side of the box below the Segment-Boundary Question.

Then scroll back up to the “Did you find any invasive plants?” question.

9. Begin (or continue) your walk until you either see an invasive plant OR until you have walked about 1/3 of the distance along the segment.
10. If you see an invasive plant, then click the “**Yes**” answer under the “Did you find any invasive plants?” question. A box appears below the question asking you to identify what plant you believe you have seen. Type the plant’s name (or choose it from the drop-down list that appears after you type in a few letters of the name of the plant). Then scroll down and, if requested, select the Habitat Code, the Trail Code, Abundance, and, if also requested, take a photo of the plant. (Note: no photo is needed for Group 1 plants. If you identified a Group 2 plant the App will request a photo. Take a photo by pressing on the camera icon that appears.) Then scroll down to make a waypoint for this location (as outlined in statement 8 above). Choose the plus sign (+) to be able to add another recording.
11. If you walk about 1/3 of the distance along segment 1 (or along any of the 4 segments) and do not find any invasive plants, then you should record “**No**” for the “Did you find any invasive plants?” question and record a waypoint in the same manner described in item 8 above. Whether you do see an invasive plant or do not, you will need to record a waypoint after walking 1/3 and again after walking 2/3 of the distance along each segment, as well as at the end of each segment. After each recording, choose the plus sign (+) to add another recording. (Refer back to statement 8 to make a recording.)
12. Continue walking along your survey path. Anywhere that you see an invasive plant you record its name and its waypoint. For each plant you see, you repeat the **cycle** by returning to the “Did you find any invasive plants?” question, identifying the plant, recording a waypoint, and pressing the plus sign (+).
13. Note, if you find different invasive plants in the last segment that were not seen in the first three segments, then extend the survey by adding a fifth segment (100 meters).
14. **To submit a completed survey, press the red check mark at the lower right edge of the screen.** You only submit the survey once, and that is at **the end of the survey**. Be careful that you do not confuse this red check mark when you want to use the plus sign (+) to record an additional waypoint.
15. IT IS EASY TO LOSE TRACK OF YOUR PLACE IN THE SRVEY PATH (AM I AT THE 1/3 POINT OF SEGMENT 2 OR IS IT THE 2/3 POINT?). TO HELP KEEP TRACK OF WHERE YOU ARE ON THE PATH YOU CAN USE THE FOLLOWING DIAGRAM AS YOU WALK THE SURVEY PATH TO CHECK OFF EACH SBP AND EACH 1/3 OF A SEGMENT WAYPOINT.

SBP-----w-----w-----SBP-----w-----w-----SBP-----w-----w-----SBP-----w-----w-----SBP