



Lake Charlotte Nature Preserve Carbon Credit Project Monitoring Report

Project Operator Name: Taryn Heidel, John R Seydel

Project Name: Lake Charlotte Nature Preserve Carbon Credit Project

Project Location: Lake Charlotte Nature Preserve, Atlanta, Georgia, USA

Deadline to Submit to CFC (*triennial on the date of the first Verification Report*): April 4, 2026

1. Has the contact info for the Project Operator changed? If so, please provide new contact info.

Taryn's City Cell: 470-714-1293, Taheidel@atlantaga.gov

John R's City Cell: 470-421-6160, Jrseydel@atlantaga.gov

2. Have there been changes in land ownership of the Project Area?

The City of Atlanta remains the sole owner of the project area, and it continues to be managed by the City of Atlanta Department of Parks and Recreation.

3. Have there been any changes in the Project Design?

There have been no changes to the project design.

4. Have there been any changes in the implementation or management of the Project?

There have been no changes to the implementation or management of the Project.

5. Have there been any significant tree or canopy losses? Are there any areas of canopy change, growth or loss, that are important to note? (Provide any Google Earth Imaging or photos to show no significant changes).

Summary:

Canopy cover at Lake Charlotte Nature Preserve remains the same as when the City of Atlanta enrolled the site in the Carbon Credit Program.

Methods:

We interpreted aerial imagery to detect changes in canopy cover and significant soil disturbance at the site. We examined the most-recent high-resolution aerial imagery available to us, six-inch resolution imagery collected as part of the Georgia Geospatial Information Office's Statewide Imagery Pilot Program. The imagery was collected 2023-2024 with plans for a refresh every two years, but updated imagery is not yet available yet. To detect any more-recent large changes, we used imagery from the Sentinel-2 satellites, which while lower resolution (10 meters) provides new images every few days.

Results and Discussion:

Aerial imagery indicates no net canopy loss from Lake Charlotte Nature Preserve. High-resolution imagery shows a comparably textured canopy to when the site was enrolled in the program (Figure 1). Edges of the canopy remain in the same place and the contrast with excluded openings from the project area remains essentially the same. More-recent lower-resolution imagery also shows no significant disturbance (Figure 2). Treeless and bare soil areas in the same imagery remain visually distinct from Lake Charlotte Nature Preserve.

Other evidence supports this photointerpretation. During the fall of 2025 another project took us to all parts of Lake Charlotte Nature Preserve. We did not encounter any major disturbances. The only elevated mortality we observed was from emerald ash borer, which is just starting to kill ash trees at the site. Ash occur as only scattered individuals across most of the site, and we are contracting protective treatments for the densest concentration of ash and additional trees. A fire burned through less than an acre, but the low intensity did not damage any canopy trees. Finally, no storms or other disturbances are known to have significantly impacted forests in the area and no development occurred at the site.

6. Please estimate the number of acres of significant soil disturbance since the previous monitoring report. Examples include plowing and removal of topsoil. For the purposes of these reports, areas of soil exposed by trees tipping over are not counted as areas of significant soil disturbance.

The same method used to detect canopy loss was used to detect soil disturbance. Aerial imagery shows no significant soil disturbance (Figures 1 and 2).

7. Any other significant elements to report?

No other significant changes to the canopy or soils have occurred since the last report.

8. Please provide a photo of staff in, or the public using, the forest. (This is optional.)

Figure 3.

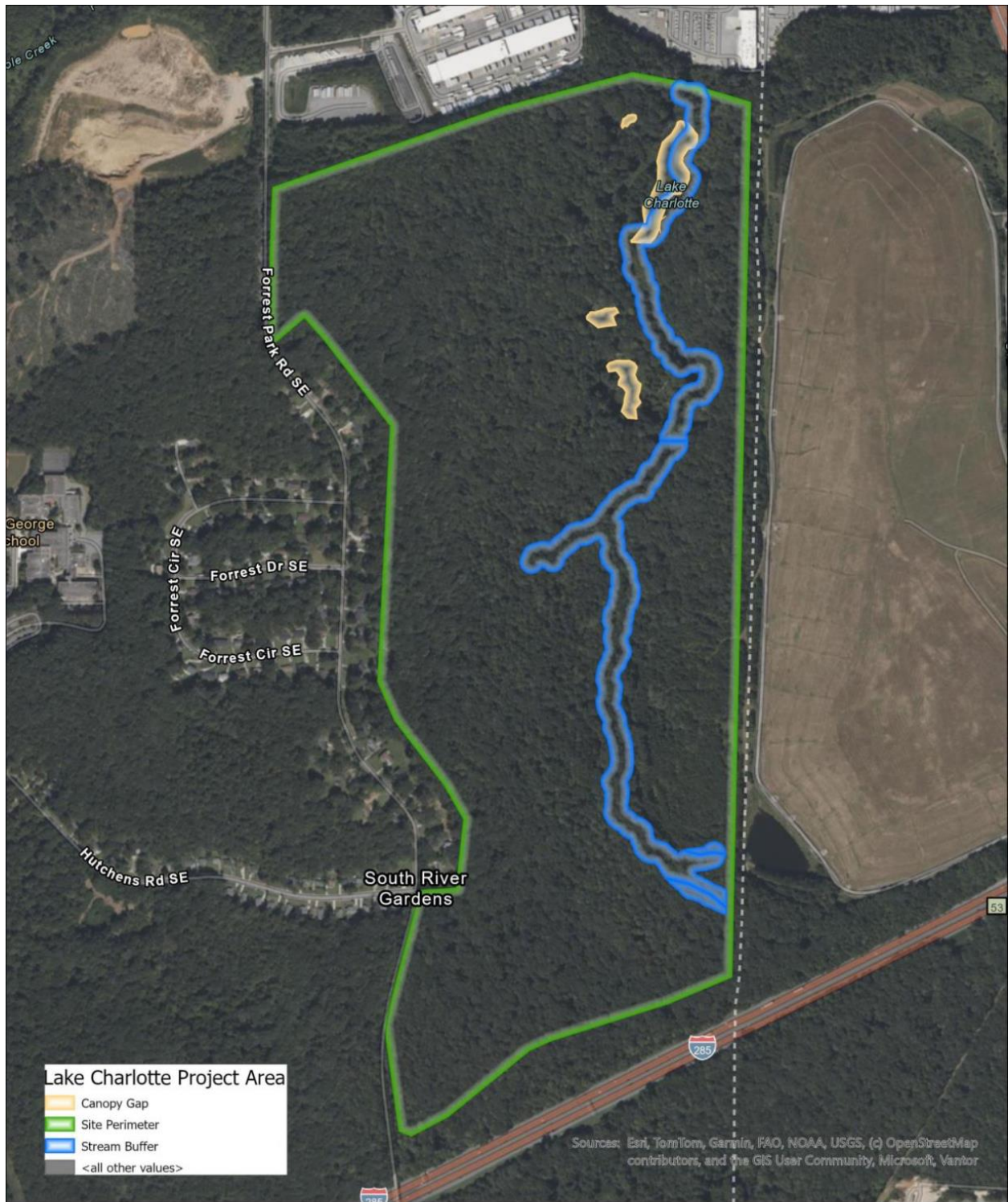


Figure 1. Six-inch resolution aerial imagery from the Georgia Geospatial Information Office's Statewide Imagery Program, captured in 2023/2024 shows canopy cover essentially the same as when the site was initially assessed for enrollment.



Figure 2. Ten-meter resolution satellite imagery from February 12th, 2026 shows intact canopy throughout the project area. Compare to the treeless area to the east and the bare soil in the northwest corner.

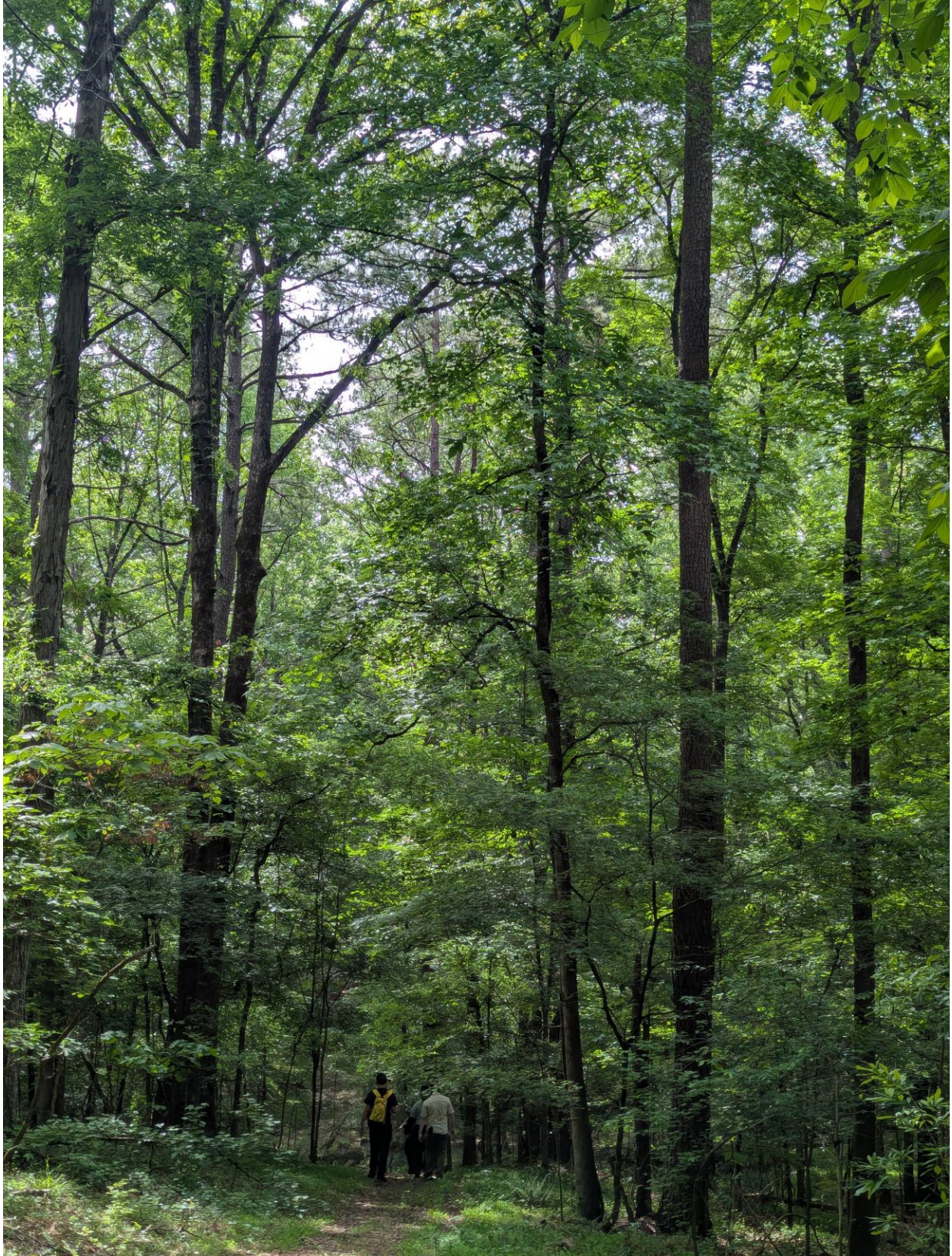
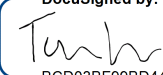


Figure 3. City of Atlanta staff test equipment at Lake Charlotte Nature Preserve.

Signed on April 2nd in 2026, by Taryn Heidel, Arboricultural Manager – Natural Areas and Land Management.

DocuSigned by:

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Signature

Taryn Heidel

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