Verification Report

Thompson Road Oak Woods

City Forest Credits Project Number 032

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1 Introduction

City Forest Credits engaged Zachary Boerman (a Validation and Verification Body (VVB) acting as a third-party verifier) to verify the Thompson Road Oak Woods (Project), in the Village of Bull Valley, Illinois, for the reporting period November 7, 2022 through November 6, 2025. The goal of the verification is to ensure that the GHG assertion is materially correct, and that the assertions made by the project are well documented.

1.1 PROJECT BACKGROUND

The Land Conservancy of McHenry County preserved 35-acres known as Thompson Road Oak Woods (the "Project") in Bull Valley in McHenry County, IL. Thompson Road Oak Woods is part of a larger conservation effort to preserve a 275-acre property with five miles of existing trails. This ambitious conservation effort was undertaken by The Land Conservancy of McHenry County in partnership with the Village of Bull Valley to preserve an important headwaters area of the Boone Creek watershed and to prevent future development of these important lands. The Project is surrounded by one-to-ten-acre residential home sites and subdivisions. The woods include 100+ year old bur oak (Quercus macrocarpa), white oak (Quercus alba), and shagbark hickory (Carya ovata). Over the coming years, the entire conservation area will be restored from farmland to native prairie, wetland and healthy oak woods, and the trails will be opened for public use.

1.2 CONTACT INFORMATION

Project Operator

The Land Conservancy of McHenry County 4622 Dean Street, PO Box 352 Woodstock, IL 60098

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1.3 OBJECTIVE

The goal of this GHG emission reduction verification is to ensure that the GHG assertion made by the Project is materially correct, that the assertions and assumptions used in the offset calculations are appropriate, that the offset calculations conform to the City Forest Credits (CFC) Protocol, and that the Project is in compliance with all CFC requirements relating to eligibility, accounting, and documentation.

2 VERIFICATION CRITERIA

2.1 GENERAL

The Registry will accredit VVBs to act as third-party verifiers who meet the Registry's qualifications and complete training. Those accredited VVBs can then act to verify compliance with this Tree Planting Protocol per International Standards Organization 14064-3. Specifically, the Registry adopts and utilizes the following standards from ISO 14064-3:

- Upon receiving a Project Design Document with data on eligibility, quantification of carbon and co-benefits, and a request for credits, the Registry will conduct a validation. If it validates the project at that stage, the Registry will retain a VVB to act as third-party verifier to verify compliance with this Protocol.
- The Registry requires a reasonable level of assurance in the accuracy the asserted GHG removals to a reasonable level.
- The verification items identified in the tables 1 and 2 are all material elements, and any asserted GHG removals must be free of errors, misstatements, or omissions regarding those elements.
- The Registry will record, store, and track all quantification and verification data and either display it for public review or make it available for public review upon request.

2.2 PROTOCOL

The verification was conducted to the City Forest Credits Tree Preservation Protocol, version 11.40, February 7, 2022.

2.3 LEVEL OF ASSURANCE

This verification was conducted to a reasonable level of assurance. The Verification Report accurately reflects the documentation contained in the Project Design Document and supporting documents.

3 Scope of Verification

- The project encompasses land within tax parcels 08-35-200-012 and 08-35-400-001 in the Village of Bull Valley in McHenry County, IL, specifically described in the Project Design Document.
- The Land Conservancy of McHenry County purchased these parcels and within the declaration of development restrictions have agreed not to cut down, destroy, or remove trees located on the property, except as necessary to control or prevent hazard, disease or fire or to improve forest health.

- The project avoids emission of CO₂ from trees and soil, by avoiding conversion of forest to nonforest land cover and avoiding conversion of forest soil to impervious surface.
- The project duration is 40 years, beginning November 7, 2022. The Project Operator commits to
 protecting the trees within the Project Area and monitoring the project carbon stocks for the
 entire project duration.
- The verification includes a review of supporting documents, data, imagery and other evidence provided by the Project Operator; independent checking of selected data; independent review of ownership records, tax maps, and municipal zoning ordinances; analysis of inventory and plot sampling data and i-Tree Eco-based carbon stock calculations as well as checking of calculations for accuracy and conformance with the Protocol. All forest carbon input values were independently checked and calculations were independently replicated.

4 VERIFICATION PROCESS

4.1 VERIFICATION ACTIVITIES

The verification process consisted of the following activities:

- Verifier checked all requirements in the Protocol (outlined in 4.2), confirmed that
 documentation satisfies the requirements of the Protocol, and that values extracted from the
 documents and conclusions drawn from the documents are accurate and appropriate
- Verifier independently checked mapping and at least selected data or calculated values in each stage of calculations
- Verifier reviewed the credit calculations. Verifier reviewed the Project Operator's assertion that the Project results in GHG emissions mitigation of 7,663 tons CO₂e
- Verifier submitted to the Project Operator a request for a revised .kmz file of the project boundary.

4.2 CFC Tree Preservation Protocol Requirements

4.2.1 Eligibility

Verifier reviewed the Project against all CFC Tree Preservation Protocol requirements and confirmed the following:

Project Operator Identity (Section 1.1): Verifier confirmed the identity of the Project Operator
by reviewing the operators most recent annual charitable trust report (form AG990-IL). This was
further confirmed by a review of the Land Conservancy of McHenry County's bylaws, which
states their current 501(c)(3) status. Verifier confirmed the Project Operator is the landowner by
reviewing project parcel deeds.

- Project Documentation (Section 3): Verifier reviewed and confirmed Project Documentation including Project Design Document is complete and accurate.
- Project Implementation Agreement (Section 1.2): Verifier reviewed and confirmed fully executed Project Implementation Agreement on file.
- Project Location (Section 1.3): Verifier reviewed mapping and location data. The project is located in the incorporated Village of Bull Valley in McHenry County, Illinois, meeting the eligibility requirement of being located within the boundary of any incorporated city or town created under the law of its state.
- Defining the Project Area (Section 1.4): Verifier confirmed that the projects boundaries
 accurately reflect tax parcel delineation and that canopy cover for the entire project area
 exceeds 80%.
- Land Ownership or Right to Receive Credits (Section 1.5): Verifier confirmed that there is a clear title to carbon credits and the Project Operator has legal authority to create and dispose of greenhouse gas offsets generated on the project lands via the property deed.
- Demonstrating Preservation and Threat of Loss (Section 4):
 - O Verifier confirmed that trees within the Project Area were not protected from removal prior to the Project. Previously, trees in the project area were subject to zoning that allowed at least one non-forest use, including agricultural development.
 - O Verifier confirmed that trees within the Project Area are now preserved from removal by a recorded declaration of development restrictions.
 - o The Project Operator has committed to meeting the permanence requirements.
 - O Prior to the Preservation Commitment action by the Project Operator, there was threat of conversion of the project lands to non-forest cover. This threat of conversion was verified according to Protocol section 4.4 A. Over 30% of the Project Area is bordered by non-forest, developed or improved uses. The Project Area's perimeter is surrounded by 35% farm use and 51% residential estate use, totaling 86% of perimeter adjacent to a developed or improved use.
- No Double Counting and No Net Harm (Section 5): Verifier confirmed that Attestation of No Double Counting and No Net Harm is on file.
- Monitoring and Reporting (Section 8): The Land Conservancy of McHenry County, as a Nationally Accredited Land Trust through the Land Trust Alliance, has a requirement to monitor every property it owns or holds an easement on every year. The Project Area described herein will be included in that monitoring program. The Land Conservancy of McHenry County will submit triennial monitoring reports for the project duration as specified in the Protocol.

4.2.2 Additionality

Verifier reviewed and confirmed that Project lands met the additionality requirements of the Protocol:

- Prior to the Project, lands were not protected from conversion by easement, zoning, or other legal mechanism.
- Zoning allows development including removal of existing trees.
- The trees in the Project Area face some risk of removal or conversion out of forest evidenced by 86% of the perimeter being adjacent to developed or improved use including agricultural and residential development.
- Project Operator signed an Attestation of Additionality on November 4, 2022.

4.2.3 Permanence

The Project Operator has committed to CFC that the Project Operator will protect the trees on the Project Area for 40 years. The recorded declaration of development restrictions protecting the Project Trees and lands are permanent.

4.2.4 Accounting

The Project documents forest type, age and cover, and uses required factors in carbon stock and offset calculations.

The Project Operator elected to quantify the stored carbon stock as outlined in the CFC Protocol Section 11.1 B. To meet these requirements, the Project Operator contracted Davey Resource Group (DRG) to provide an on-site plot-sample inventory. The sample established 28 sample plots sized at 1/10th-acre. Within every plot, each live tree was inventoried that was at least 5" in diameter at 4.5' above the ground, where the height above the ground is measured on the uphill side of the tree. Species, diameter, and overall tree condition were recorded for each tree. Verifier confirmed this sampling design achieved a standard error of 10%.

The verifier confirmed that all 28-sample plots fell within the outlined 35.1 acres of the project area via the supplied primary and secondary plot location map supplied by the Project Operator.

The verifier confirmed that the tC/ac of biomass calculated by the Project Operator is correct. This number was verified by repeating the calculation (biomass tC/ac = (metric tons of carbon—standard error)/project area acre) where metric tons of carbon and standard error were supplied by the Project Operators i-Tree Eco carbon biomass results. tCO2e/ac was then verified by dividing tC/ac by the ratio of the molecular weight of carbon dioxide to that of carbon (44/12). The verifier confirms that the tCO2e/ac measurement supplied by the Project Operator is correct.

Following the Protocol outlined in 11.2 A, the verifier confirmed that based on zoning, 90% of the Accounting Stock on the Project Area can be claimed as avoided biomass emissions.

The Project Operator elected to follow Protocol Section 11.4 A to claim avoidance of emissions from soil carbon caused by conversion of soils to impervious surfaces in the Project Area. The zoning and development rules applicable to the Project Area do not limit impervious area therefore; the verifier agrees that 90% of the area (32 acres) can be claimed as avoided impervious surface.

The verifier confirmed that with 32 acres of avoided impervious surface in the project area, and the stipulation in section 11.4 of the protocol that allows the project to claim 120 metric tonnes of carbon dioxide equivalent of Avoided Soil Carbon Emissions per acre of net avoided impervious surface, the resulting figure for Avoided Soil Carbon Emissions is correct.

4.2.5 Leakage

Offset accounting makes deductions for expected displacement of emissions following the requirements of the Protocol.

The verifier confirmed that the Project Operator accurately followed Protocol Section 11.5 A to determine that, of the total number of tonnes of Avoided Biomass Emissions from within the project area, 18.3% are assumed to be emitted from development displaced from the Project Area. After repeating the calculations to remove the Displaced Biomass Emissions from the total Avoided Biomass Emissions, the Verifier confirmed the total Credits from Avoided Biomass Emissions is correct.

The verifier confirmed that the Project Operator accurately followed Protocol Section 11.5 B to determine that, of the total number of tonnes of Avoided Soil Carbon Emissions from within the Project Area, 30.3% are assumed to be emitted from development displaced from the Project Area. After repeating the calculations to remove the Displaced Soil Emissions from the total Avoided Soil Carbon Emissions, the Verifier confirmed the total Credits from Avoided Soil Emissions is correct.

5 Verification Findings

All issues raised by Verifier were clarified or corrected by the Project Operator and all issues were closed by appropriate responses by The Land Conservancy of McHenry County.

6 Verification Results and Conclusion

This verification of the Thompson Road Oak Woods project for the reporting period 7 November 2022 through 6 November 2025 was completed in a manner consistent with ISO 14064-3 and in conformance with relevant CFC standards and guidelines. The table below is a summary of the emission reduction or removals.

Table 1. Project GHG Removals

Project Name	GHG Reductions and Removals Attributed to the Project (mtCO₂e)	Reversal Pool Account (10%) (mtCO₂e)	Emission Reductions to be Issued to Project (mtCO ₂ e)
Thompson Road Oak Woods	7,663	766	6,897
Cumulative	7,663	766	6,897

The Project Operator calculated ecosystem co-benefits using the CFC tool to determine dollar values of other ecosystem services. The verifier corroborated the CFC tool inputs and outputs to produce the values below. The verifier does not make an assessment to the plausibility of these values.

Table 2. Ecosystem Co-Benefits Per Year

Ecosystem Services	Resource Units	Value
Rainfall Interception (m3/yr)	8,545.4	\$61,183.65
Air Quality (t/yr)	0.3576	\$538.51
Cooling – Electricity (kWh/yr)	67,269	\$5,105.70
Heating – Natural Gas (kBtu/yr)	1,257,810	\$12,244.50
Grand Total (\$/yr)		\$79,072.36

Because the project area is less than 50 acres, all credits are issued in the first year.

Lead Verifier Signature

Zachary Boerman