



American Carbon Registry (ACR)

Project Validation and Verification Report

Offset Project Name: TNC-Chestnut Mountain Improved Forest Management Project	
ACR Project ID	ACR441
American Carbon Registry Standard	Version 5.1
Improved Forest Management Methodology for Quantifying GHG Removals and Emission Reductions through Increased Forest Carbon Sequestration on Non-Federal U.S. Forestlands	Version 1.3
Reporting Period:	05 June 2018 – 05 December 2018
Aster Global Project Number:	VO18031.00
Report Date:	V2 - 09 July 2019

Project Proponent:	Technical Consultant:
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1 Executive Summary

Aster Global Environmental Solutions, Inc. (Aster Global) prepared this validation /verification report in accordance with the outlined requirements of the American Carbon Registry's (ACR) Standard. Aster Global presents validation and verification findings of the *TNC-Chestnut Mountain Improved Forest Management Project* (hereafter, referred to as "*Project*") – prepared by The Nature Conservancy (hereafter referred to as "*Project Proponent*"). The project validation and verification was conducted as part of ACR's program requirements for GHG offset projects.

By ACR definition, the project is considered an improved forest management project (IFM). Project lands are located within White County, Tennessee. The project uses Improved Forest Management to lengthen rotation ages and cutting cycles and increase stocking levels, while promoting species diversity and restoration of shortleaf pine habitat.

The GHG Project Plan validation and implementation verification included carbon sequestered through IFM on one contiguous tract (5,556 acres). The project asserts net emissions removals (sequestration) of 141,710 MtCO₂e for the reporting period (05 June 2018 – 05 December 2018).

The validation/verification objective included an assessment of the likelihood that implementation of the planned GHG project would result in the GHG emission removal/ enhancements as stated by the project developer (ISO 14064-3:2006). The objective was to ensure that the project was in compliance with the ACR Standard the ACR Validation and Verification Standard, and the selected methodology criteria. Aster Global assessed the GHG emission removals of the IFM project.

Aster Global confirms all validation and verification activities including objectives, scope and criteria, level of assurance and the GHG Project Plan's adherence to the ACR Standard (and validated GHG Project Plan as documented in this report, are complete and concludes without any qualifications or limiting conditions that the *Project* meets the requirements of ACR.

The GHG assertion provided by the *Project Proponent* and verified by Aster Global has resulted in the net GHG emission removal of 141,710 MtCO₂ equivalents by the project during the verification period/reporting period (05 June 2018 – 05 December 2018).

2 Introduction

This validation /verification report is prepared in accordance with the outlined requirements of the American Carbon Registry's (ACR) Standard. Aster Global presents validation and verification findings of the *Project* – prepared by the *Project Proponent*. The project validation and verification was conducted as part of ACR's program requirements for GHG offset projects (Improved Forest Management). Aster Global is accredited by the American National Standards Institute under ISO14065:2013 for greenhouse gas validation and verification bodies including ISO 14064-3:2006, ISO 14065:2013, and validation/verification of assertions at the project level for Land Use and Forestry (Group 3) and is approved to validate/verify for ACR.

The GHG Project Plan validation and implementation verification included carbon sequestered through IFM on one contiguous tract (5,556 acres). The project asserts net emissions removals (sequestration) of 141,710 MtCO₂e for 2018.

2.1 Contact Information – Roles and Responsibilities

Project Owner / Project Proponent: The Nature Conservancy	Trisha Johnson +1 (931) 265-1637 trisha_johnson@tnc.org
Accredited V/V Body: Aster Global Environmental Solutions, Inc.	<ul style="list-style-type: none"> • Shawn McMahon – Lead Validator/Verifier (smcmahon@asterglobal.com / 330-294-1242) • Aaron Holley – Validation/Verification Team Member (aholley@asterglobal.com / 681-285-5371) • Richard Scharf – Validation/Verification Team Member (rscharf@asterglobal.com / 252-402-7354) • Eric Jaeschke – Validation/Verification Team Member (ejaeschke@asterglobal.com / 703-314-9064) • Matthew Perkowski – Senior Internal Reviewer (mperkowski@asterglobal.com / 301-332-0771) • Janice McMahon – QA/QC (jmcMahon@asterglobal.com / 330-294-1242)

2.2 Project Description

By ACR definition, the *Project* is considered an improved forest management project (IFM). Project lands are located entirely within White County, Tennessee. The project uses Improved Forest Management to lengthen rotation ages and cutting cycles and increase stocking levels, while promoting species diversity and restoration of shortleaf pine habitat. The baseline scenario is continuation of common practice forestry in the area, which includes conversion of hardwoods and mixed hardwood forests to loblolly plantations. The project scenario entails maintaining species diversity while restoring shortleaf pine stands through planting and management.

2.3 Objective

The GHG Project Plan validation/verification objective included an assessment of the likelihood that implementation of the planned GHG project would result in the GHG emission removal/enhancements as stated by the project developer (ISO 14064-3:2006). The objective was to ensure that the project was in compliance with the ACR Standard, and the ACR Verification Standard criteria. Aster Global assessed the GHG emission removals of the IFM project.

2.4 Criteria

The criteria followed by Aster Global included ISO 14064-3, ISO 14065, and the validation/verification guidance documents provided by ACR located at <http://www.americancarbonregistry.org/carbon-accounting/standards>. These documents included:

- *ACR Carbon Registry Standard (v5.1)*
- *ACR Validation and Verification Standard (v1.1)*
- *Improved Forest Management Methodology for Quantifying GHG Removals and Emission Reductions through Increased Forest Carbon Sequestration on Non-Federal U.S. Forestlands version 1.3*

2.5 Scope

The scope of the validation/verification generally included the GHG Project Plan and eligibility requirements; GHG project and baseline scenarios; physical infrastructure, activities, technologies and processes of the GHG project; GHG sources, sinks and/or reservoirs; types of GHG's; and time periods covered. The geographic scope was defined by the project boundary, which included the carbon reservoir types, management activities, growth and yield models, inventory program, and contract periods. The scope of the *Project* is defined below.

Baseline Scenario	The baseline scenario represents an aggressive harvest regime, targeted to maximize net present value at a 4% discount rate, typical of ca. 2018 practices in the project region on private lands under ownership by non-governmental organizations. Baseline practices involve clearcuts and conversion to loblolly pine plantations and heavy thinnings.
Activities/Technologies/Processes	Improved Forest Management Methodology for Quantifying GHG Removals and Emission Reductions through Increased Forest Carbon Sequestration on Non-Federal U.S. Forestlands version 1.3
Sources/sinks/Reservoirs	Above-ground biomass carbon (included) Below-ground biomass carbon (included) Standing dead wood (included/optional) Lying dead wood (optional) Harvested wood products (included) Litter/Forest Floor (excluded) Soil organic carbon (excluded)
GHG Type	CO ₂
Project Location	White County, TN

Project Boundary and Time Period	Approximately 5,556 acres in White County, TN atop Chestnut Mountain within the Cumberland Plateau Project Start Date: 05 June 2018 Project Crediting Period: 05 June 2018 – 04 June 2038 Verification Period: 05 June 2018 – 05 December 2018
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2.6 Level of Assurance

The level of assurance was used to determine the depth of detail that the validator/verifier (Aster Global) placed in the validation and verification plan to determine if there are any errors, omissions, or misrepresentations (ISO 14064-3:2006). Aster Global selected samples of data and information to be verified to provide reasonable assurance and to meet the materiality requirements of the project (ACR Validation and Verification Standard). ACR considers verification to be a risk-based process where the verifier examines a sufficient amount of data and uses the verifier's professional judgment to provide a reasonable assurance.

2.7 Materiality

Materiality is a concept that the individual or aggregation of errors, omissions, and misstatements could affect the GHG assertion and the decisions of the intended users. Materiality was also used as part of the verification sampling plan design, to determine the type of verification processes used by Aster Global to minimize the risk of not detecting a material misstatement. ACR's materiality threshold is +/-5% of the GHG project's emission reductions or removal enhancements. In other words, ACR requires that any differences between emission reductions/removals claimed by the project proponent and estimated by the verifier be immaterial (less than +/- 5%). Individual or aggregation of errors or omissions greater than the ACR materiality threshold of +/-5% require re-stating before verification statements can be accepted by ACR.

3 Validation Process and Findings

3.1 Validation Process

The validation process closely followed the guidance provided by The American Carbon Registry, Standard the ACR Validation and Verification Standard, ISO14064-3, ISO 14065, and the Aster Global Management System and Management System Manual, Section V.5.

As defined by ISO 14064-3:2006 (E), "validation is the systematic, independent and documented process for the evaluation of a greenhouse gas assertion in a GHG project plan against agreed validation criteria". Specifically, the project validation included the review of the requirements outlined in the ACR Standard. The assessment included the following items: eligibility criteria, baseline approach, additionality, project boundary, emissions, leakage, selected methodology, data and parameters, monitoring plan design, the process of uncertainty determination and environmental impacts.

3.2 GHG Project Plan

The *Project's* GHG Plan was found to be in compliance with ACR's Standard.

3.2.1 ACR Standard Requirements/Eligibility

The project was found to be in compliance with ACR's project eligibility requirements set forth in ACR's Standard. Specifically, the GHG Project Plan outlined and described the following aspects of the project:

- The project started in June 2018, which is after the earliest allowable start date of 01 November 1997
- The *Project Proponent* commits to a minimum project term of 40 years, meeting the ACR project term requirement.
- Only direct emission mitigation is counted.
- Ownership of offsets is clear.
- Ownership titling of land is clear.
- Project lands are eligible because they are eligible to be harvested by the *Project Proponent*
- Project lands meet the definition of "forestland"

3.2.2 Approved Methodology

The project utilized the following methodology and tools: Improved Forest Management Methodology for Quantifying GHG Removals and Emission Reductions through Increased Forest Carbon Sequestration on Non-Federal U.S. Forestlands, version 1.3, and the ACR Tool for Risk Analysis and Buffer Determination, version 1.0.

Aster Global confirms that the project meets the applicability requirements of the methodology under which the project was validated and verified:

- The project occurs on non-federal U.S. forestlands
- There is clear title to land and timber rights
- There is clear title to offsets
- The project area is able to be harvested by the *Project Proponent*
- The project area meets the definition of Forestland

3.3 Validation Findings and Conclusions

The Aster Global validation team identified non-conformity reports (NCRs) and clarifications (CL). All were addressed satisfactorily by the *Project Proponent* during the project validation process. These NCR's and CL's provided needed clarity to ensure that the GHG Project Plan was in compliance with ACR's Standard. Methodological equations and computational approach for uncertainty were examined and confirmed to be consistent with the detailed requirements of the methodology for the baseline and project scenarios and overall project computations.

The complete list of validation findings and resolutions has been compiled and located in Appendix A.

Aster Global confirms all validation activities including objectives, scope and criteria, level of assurance and the GHG Project Plan's adherence to the ACR Standard as documented in this

report, are complete and concludes without any qualifications or limiting conditions that the Project meets the requirements of ACR's Standard.

4 Verification Process, Findings, and Conclusions

The verification process closely followed the guidance provided by ACR Standard, the Validation and Verification Standard, ISO14064-3 and ISO 14065, and the Aster Global Management System and Management System Manual, Section V.5.

As defined by ISO 14064-3:2006 (E), "verification is the systematic, independent and documented process for the evaluation of a greenhouse gas assertion in a GHG project plan against agreed verification criteria". Specifically, the project verification included the review of the requirements outlined in the ACR Standard. The assessment included the following items: eligibility criteria, baseline approach, additionality, project boundary, emissions, leakage, quantification of GHG reductions/removals, monitoring, data and parameters, and adherence to the project-level principals (relevance, completeness, consistency, accuracy, transparency, conservativeness).

Aster Global's verification was generally broken down into four parts: desktop assessment, site visit, quantitative review, and meetings/interviews.

4.1 Desktop Assessment

Aster Global reviewed the Project Plan to assess conformance with the requirements of the ACR Standard. Key factors that impacted the reported emissions reductions were identified and a Verification and Sampling Plan was created to focus on the critical elements presenting potential risk for errors in reported data. These elements included:

- Implementation of appropriate and adequate eligibility criteria, by reviewing documentation and field conditions indicative of the pre-project conditions of the project area, and compliance with all eligibility requirements of the Forest Carbon Project Standard.
- Implementation of appropriate and adequate baseline approach, by reviewing documentation and field conditions indicative of the most-likely without-project scenario.
- Implementation of appropriate and adequate approach/tools for additionality, by reviewing documentation and field conditions which reflect the most-likely without-project scenario, as it deviates from the with-project scenario.
- Implementation of appropriate and adequate approach to project boundary definitions, by reviewing documentation of project boundaries and ownership status, and field conditions relative to clearly delineated ownership extents and control over management activities within the project area.
- Implementation of appropriate and adequate approach to baseline emissions calculations, by reviewing documentation and field conditions which reflect the most-likely without-project scenario and the emissions resulting from that scenario.
- Implementation of appropriate and adequate approach to inventory calculations and modeling, by reviewing documentation, reviewing conversion factors, and re-running selected calculations and modeling

- Implementation of appropriate and adequate monitoring, by confirming the application of approved/acceptable monitoring practices in the field, and the appropriate handling and analysis of field data once collated.
- Implementation of appropriate and adequate approach to data and parameters, by reviewing data handling practices, and reviewing documentation at each step of the data analysis procedure.
- Implementation and adherence to project-level principles, by reviewing documentation and discussing the application of project-level principles with core staff.

A complete list of documents received and reviewed is located in Appendix B.

4.2 Site Visit

Following the initial desk review, Aster Global conducted an on-site assessment of the project lands on 10-12 December 2018. The site visit was used to review project records with representatives of the *Project Proponent*, discuss the calculation of carbon pools and sinks, visit random portions of the ownership for reconnaissance and ground-truth of the submitted data, and monitoring approach. The verification sample size included approximately 10% of the inventory plots.

During the site visit, the following plots were selected for remeasurement as part of field verification:

Plot	Stratum
16	Cove HW
18	SMZ
21	Upland HW
26	Cove HW
27	Cove HW
52	SMZ
62	Shortleaf Regen
74	Shortleaf Regen
75	SMZ
87	Upland HW

Field review included the following aspects:

- Accuracy of plot locations, including any plot relocation or dropping
- Adherence to stratification rules outlined by the project's documentation
- Adherence to plot measurements methods outlined by the project's documentation and alignment with common professional practice
- Boundary delineation
- Feasibility of the baseline scenario

The plot remeasurements made by Aster Global were utilized to calculate carbon on the applicable pools. This was compared to the project's carbon stocks in a paired two sample t-test for means. The t-test provided evidence that the mean carbon stocking value produced by the *Project Proponent* on the ten sample plots was not statistically dissimilar to the mean carbon stocking value produced by Aster Global on the same plots. The entirety of the site visit paired with the desk review provided reasonable assurance that the carbon inventory was implemented in an acceptable and accurate manner.

4.3 Quantitative Review

Aster Global focused on the quantitative analyses undertaken by the *Project Proponent* to assess the carbon pools accounted for by the project (above-ground biomass, below-ground biomass, standing dead wood, and harvested wood products). Aster Global's review included an assessment of the primary quantitative data supporting the GHG assertion including the direct sampling of biomass carbon and the use of modeling, as well as the project proponents use of allometric methods and equations for calculating tree biomass, and the calculation of ERTs.

4.4 Meetings/Interviews

During the course of the project verification, Aster Global and the *Project Proponent* held multiple meetings. All other correspondence occurred via email. The details of the meetings are briefly described in the table below.

Date	Attendees	Topics Discussed
29 November 2018	TNC: Trisha Johnson Terra Carbon: David Shoch Aster Global: Shawn McMahon, Aaron Holley	Opening Meeting, preliminary review of verification and sampling plan, review of travel logistics, project timeframes and deadlines.
10 December 2018	TNC: Trisha Johnson Panther Creek: Benjamin Myers, Sue Scholl, Emmett Kunz ANSI: Matthew Hurteau Aster Global: Shawn McMahon, Aaron Holley	Field Verification Opening Meeting - opening meeting for the site assessment including: general introductions, review of verification and sampling plan if modifications are necessary, discussion of verification finding/resolutions to date.
12 December 2018	TNC: Trisha Johnson Panther Creek: Sue Scholl ANSI: Matthew Hurteau Aster Global: Shawn McMahon, Aaron Holley	Field Verification Closing Meeting - closing meeting for the site assessment including: general site visit findings, comments and questions on the validation/verification process, timing.

11 January 2019	TNC: Trisha Johnson Terra Carbon: David Shoch Aster Global: Shawn McMahon, Aaron Holley	Meeting to review calculations
08 February 2019	TNC: Trisha Johnson Terra Carbon: David Shoch Aster Global: Shawn McMahon, Aaron Holley	Meeting to review NCRs and calculations
15 February 2019	TNC: Trisha Johnson Terra Carbon: David Shoch, Ben Rifkin Aster Global: Shawn McMahon, Aaron Holley	Meeting to review NCRs and calculations
20 February 2019	TNC: Trisha Johnson Terra Carbon: David Shoch, Ben Rifkin Aster Global: Shawn McMahon, Aaron Holley	Meeting to review NCRs and calculations
01 April 2019	TerraCarbon: David Shoch Aster Global: Aaron Holley	Meeting to review NCRs and calculations
09 May 2019	TerraCarbon: David Shoch Aster Global: Aaron Holley	Meeting to review NCRs and calculations
13 June 2019	TNC: Trisha Johnson TerraCarbon: David Shoch Aster Global: Shawn McMahon, Aaron Holley	Closing Meeting - Review of draft validation/verification report -Next steps - Request feedback on process

4.5 Verification Milestones

Project/Verification Activity	Date
Aster Global Internal Conflict of Interest (COI) process completed and approved (no issues).	08 October 2018
ACR approval of ACR-Specific COI Form	19 November 2018
Submission of Verification and Sampling Plan to <i>Project Proponent</i> for approval	28 November 2018
Opening meeting with <i>Project Proponent</i>	29 November 2018
Field Verification	10-12 December 2018

Corrective actions/clarification submitted	29 January 2019 14 March 2019 23 April 2019 31 May 2019
Aster Global completes Review	03 June 2019
Aster Global finalizes report and submits to ACR and <i>Project Proponent</i>	19 June 2019

4.6 ACR Forest Carbon Project Standard Requirements

4.6.1 Eligibility Requirements

The *Project* is an IFM project that is intended to create additional carbon stocks in the project area through establishing tree cover on land that has been in agricultural for decades. The *Project* is in compliance with ACR's Standard. Specific details are located in the Validation portion of this report.

4.6.2 Additionality

Aster Global confirms that the *Project* conducted the proper additionality analysis and conforms to both the methodology additionality requirements and ACR's Three-Prong Additionality Test. The project proponent sufficiently demonstrated in the GHG Project Plan and through the verification process that as of the project start date that the project activities exceed enforced laws and regulations, exceed common practice in the geographic region and forest type and faced a financial implementation barrier.

4.6.3 Permanence and Risk Mitigation

The *Project Proponent* commits to a 40-year agreement with ACR. Aster Global confirmed that the *Project Proponent* adequately addressed other potential causes of unintentional reversals including tree death from wildfire, disease, drought, or wind.

The *Project Proponent* utilized the ACR-approved risk assessment tool. Aster Global reviewed and assessed the implementation and outputs of the tool provided by the project proponent and agrees with the calculated buffer withholding of 18%.

4.6.4 Baseline and Leakage

Aster Global confirms the project baseline as the local common practice of clearcutting with conversion to loblolly pine plantations with thinning in the streamside management zones. This common practice baseline scenario of loblolly plantation conversion was noted in the area by Aster

Global while on the site visit. The final baseline scenario was calculated as the maximization of NPV of plausible harvest regimes.

The *Project Proponents* accounted for market leakage by applying a default market leakage discount factor of 40%, per the methodology requirements. The calculation of this default market leakage discount factor of 40% was confirmed by Aster Global.

4.6.5 Monitoring

Aster Global confirmed the appropriateness and implementation of the project monitoring plan, which details monitored data and parameters, measurements, timing, and data storage procedures.

4.6.6 Community and Environmental Impacts

Aster Global confirms the project's net positive community and environmental impacts and co-benefits such as protecting a high diversity of native forest, restoring shortleaf pine habitat, protecting cultural and historic sites on the property, and assisting in conservation of landscape-scale habitats.

4.6.7 Stakeholders Comments

While the community around the Chestnut Mountain property does not rely on the property for livelihood, the project addressed stakeholder comments. The Project Proponent visits the property once a week to meet with community members and monitor the property. While on site, Aster Global noted through interviews that the Project Proponent was also hiring a local worker to help maintain the property. Lastly, the yearly FSC audits help to demonstrate that community impacts are addressed by the Project Proponent.

4.6.8 GHG Emissions Reduction and Removal Enhancements (ERTs)

GHG Reductions or Removals	Units
Baseline Emissions / Reductions	223,460 MtCO ₂ e
Project Emissions	(12,273) MtCO ₂ e
Leakage	94,473 MtCO ₂ e
Uncertainty Deduction Rate	0% ¹
Buffer Pool Contribution	25,508 MtCO ₂ e ²
2018 GHG emission removals total (tCO ₂ e)	141,710 MtCO ₂ e
Total Emission Reduction Tonne(s) (ERTs)	141,710 ERTs

¹ Please note that the uncertainty was calculated as 5.5% but was below the 10% ACR threshold.

² Please note that the risk buffer was not deducted, as project elected to source risk from external source.

4.7 Verification Findings

The Aster Global verification team identified non-conformity reports (NCRs) and clarifications (CL). All were addressed satisfactorily by the *Project Proponent* during the project validation and verification process. These NCRs and CLs provided needed clarity to ensure that the project was implemented in accordance to the approved methodology and was in compliance with ACR's Standard.


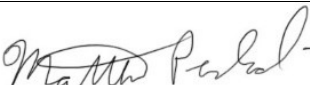
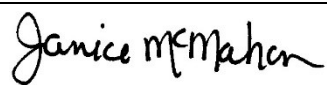
The complete list of verification findings and resolutions has been compiled and located in Appendix A.

4.8 Verification Results/Conclusions

Aster Global confirms all verification activities including objectives, scope and criteria, level of assurance and the project's adherence to the ACR Standard and the validated GHG Project Plan, as documented in this report, are complete and concludes without any qualifications or limiting conditions that the Project meets the requirements of ACR's Standard.

The GHG assertion provided by the *Project Proponent* and verified by Aster Global has resulted in the GHG emission removal of 141,710 tCO₂ equivalents by the project during the verification period/reporting period (05 June 2018 – 05 December 2018).

Submittal Information:

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Report Submitted by:	Aster Global Environmental Solutions, Inc. 3800 Clermont St. NW North Lawrence, Ohio 44666
Aster Global Lead Validator/Verifier Name and Signature:	 Shawn McMahon Lead Verifier
Aster Global Internal Reviewer Name and Signature:	 Matthew Perkowski Internal Reviewer
Aster Global Sr. Vice President/Technical Director Name and Signature	 Janice McMahon President
Date:	09 July 2019

Appendix A – Aster Global’s Validation and Verification Findings

Item Number	1
American Carbon Registry Standard Version 5.1, July 2018	Claimed emissions reductions shall be rounded down to the nearest whole number; and
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	Monitoring Report and Appendix; ACR Calcs workbook;
Verifier/Validator Findings - Initial	The reported values in the monitoring plan and appendix do not match the values as calculated in the ACR_Calcs ChesMt.xlsx document.
Round 1 NCR/CL/OFI	CL: Please ensure that the values reported in the monitoring documents for claimed emissions reductions are rounded down to the nearest whole number and match those as calculated in the workbooks provided.
Round 1 Response from Project Proponent	The proper rounding rule is now applied to the emission reduction values calculated in the ACR Calcs workbooks and reported in the monitoring documents.
Verifier/Validator Findings - Round 1	The proper rounding rules have been applied in the updated ACR calcs workbook (ACR_Calcs ChesMt rev1.xlsx) pending precedents. However, some values are incorrectly reported in the monitoring documentation. For example, in the Monitoring Report, Section VI, the net GHG emission reductions/removals is listed as 144,407 mTCO ₂ e. However, in the ACR Calcs workbook, it was calculated as 142,079. mTCO ₂ e (pending precedents).
Round 2 NCR /CL/OFI	CL: Please ensure that all references to claimed emissions reductions are correctly reported in the reporting documentation.
Round 2 Response from Project Proponent	References to claimed emission reductions have been updated and confirmed for consistency throughout all supporting documents.
Verifier/Validator Findings - Round 2	All references to claimed emissions reductions are correctly reported in the reporting documentation. This is pending precedent findings. It was noted while reviewing reporting that the FVS location code in the MR Appendix was not correctly reported.
Round 3 NCR /CL/OFI	NCR: Please ensure that the FVS location code is correctly reported in the MR Appendix.
Round 3 Response from Project Proponent	Response provided in "Ches Mt Round 3 response"
Verifier/Validator Findings - Round 3	This item is appropriately reported, as the FVS location code reported was approved in another finding. The finding and request issued was an error on the part of the VVB. This item is addressed.

Item Number	2
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American Carbon Registry Standard Version 5.1, July 2018	Calculated Buffer Pool contributions shall be rounded up to the nearest whole number.
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	Monitoring Report and Appendix; ACR Calcs workbook;
Verifier/Validator Findings - Initial	The reported values in the monitoring plan and appendix do not match the values as calculated in the ACR_Calcs ChesMt.xlsx document.
Round 1 NCR/CL/OFI	CL: Please ensure that the values reported in the monitoring documents for calculated buffer pool are rounded up to the nearest whole number and match those as calculated in the workbooks provided.
Round 1 Response from Project Proponent	The Monitoring Report and Appendix and ACR Calcs workbooks have been updated to reflect the proper rounding rule for calculating the buffer contribution. Note that we have also added the statement "The buffer pool contribution will be transferred from another project" to the monitoring report.
Verifier/Validator Findings - Round 1	The proper rounding rules have been applied in the updated ACR calcs workbook (ACR_Calcs ChesMt rev1.xlsx) pending precedents. However, some values are incorrectly reported in the monitoring documentation. For example, in the Monitoring Report, Section VI, the Buffer Pool Contribution is listed as 25,994 mTCO ₂ e. However, in the ACR Calcs workbook, it was calculated as 40,594. mTCO ₂ e (pending precedents).
Round 2 NCR /CL/OFI	CL: Please ensure that all references to calculated buffer pool contributions are correctly reported in the reporting documentation.
Round 2 Response from Project Proponent	
Verifier/Validator Findings - Round 2	All references to calculated buffer pool contributions are correctly reported in the reporting documentation. This is pending precedent findings.
Round 3 NCR /CL/OFI	
Round 3 Response from Project Proponent	
Verifier/Validator Findings - Round 3	All references to calculated buffer pool contributions are correctly reported in the reporting documentation. This item is addressed.

Item Number	3
American Carbon Registry Standard Version 5.1, July 2018	The Project Proponent shall establish and apply quality assurance and quality control (QA/QC) procedures to manage data and information, including the assessment of uncertainty in the project and baseline scenarios. QA/QC procedures shall be outlined in the GHG Project Plan.
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	GHG Plan; Cruise Specs;

Verifier/Validator Findings - Initial	QA/QC procedures for the inventory and inventory data management are included in the Final Carbon Cruise Specs document, which is referenced in the GHG Plan. Within the GHG Plan, some "Data or Parameter Monitored" tables have QA/QC procedures, but some do not. It is the VVB's opinion that including QA/QC procedures for all parameters monitored is best practice. While QA/QC procedures are included related to project uncertainty, no QA/QC procedures could be located to account for baseline uncertainty.
Round 1 NCR/CL/OFI	CL: Please include QA/QC procedures for data and parameters monitored and currently being validated. Please ensure that this includes QA/QC procedures for baseline uncertainty.
Round 1 Response from Project Proponent	In the revised GHG Plan, QA/QC procedures are now provided for all data and parameters monitored. We have also added the following text to Section D1 "Note that QA/QC procedures for data and parameters related to baseline uncertainty (not monitored) are provided in "Final Carbon Cruise Specs Chestnut Mountain Dec 2015- Jan 2017 rev1", to ensure accurate and precise measurement data was collected in the inventory used to derive the project baseline. Subsequent growth and yield modeling using FVS-SN applied best practices, calibrating the model with location and site class data."
Verifier/Validator Findings - Round 1	QA/QC procedures for data and parameters monitored and validated are now included in the GHG Plan. Also, baseline uncertainty QA/QC procedures are now included in the GHG Plan/Inventory Methodology document. This item is addressed.

Item Number	4
American Carbon Registry Standard Version 5.1, July 2018	Any project that seeks to register non-carbon environmental attributes alongside offsets must disclose to ACR the intent and details of the program prior to validation, if known;
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	GHG Plan;
Verifier/Validator Findings - Initial	The GHG Plan does not include language specifying if the project seeks to register non-carbon environmental attributes alongside offsets.
Round 1 NCR/CL/OFI	CL: Please clarify if the project seeks to register non-carbon environmental attributes alongside offsets.
Round 1 Response from Project Proponent	The GHG Plan has been amended to include the following text in Section A3: "As of the start date, there is currently no intent to seek registration of non-carbon environmental attributes from the project."
Verifier/Validator Findings - Round 1	Language is included in Section A3 of the GHG Plan that states "As of the start date, there is currently no intent to seek registration of non-carbon environmental attributes from the project." This addresses the intent of the requirement. This item is addressed.

Item Number	5
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American Carbon Registry Standard Version 5.1, July 2018	<p>Regulatory Compliance - Adherence to all laws, regulations, and other legally binding mandates directly related to Project Activities. - Projects must maintain material regulatory compliance. To do this, a regulatory body/bodies must deem that a project is not out of compliance at any point during a reporting period. Projects deemed to be out of compliance with regulatory requirements are not eligible to earn ERTs during the period of non-compliance. Regulatory compliance violations related to administrative processes (e.g., missed application or reporting dead-lines) or for issues unrelated to integrity of the GHG emissions reductions shall be treated on a case-by-case basis and may not disqualify a project from ERT issuance. Project Proponents are required to provide a regulatory compliance attestation to a verification body at each verification. This attestation must disclose all violations or other instances of non-compliance with laws, regulations, or other legally binding mandates directly related to Project Activities.</p>
Evidence Used to Assess (Location in PD, MR or Supporting Documents	<p>2018 Monitoring Report;</p>
Verifier/Validator Findings - Initial	<p>The 2018 Monitoring Report includes a statement that reports "The project has submitted a signed annual ACR Voluntary Offset Project Attestation, affirming no violations of laws or regulations during the monitoring period, to the best of TNC's knowledge. As added evidence, a copy of the most recent FSC certification, covering legal and regulatory compliance, has been submitted." However, the VVB could not locate this regulatory compliance attestation.</p> <p>As demonstration of the project's regulatory compliance, the project submitted an FSC audit. However, this FSC audit was conducted (07 March 2018) before TNC took ownership of the property (05 June 2018). While the FSC audit demonstrates regulatory compliance, it demonstrates regulatory compliance before the reporting period began. Further demonstration is requested.</p> <p>Further, the VVB emailed Andy McBride, the District Forester for the Cumberland District to enquire on any required forestry laws in Tennessee. Mr. McBride responded that Tennessee does not have mandatory BMP laws on private land. He stated that the Tennessee Department of Environment and Conservation handles any water quality cases that are unresolved.</p> <p>The VVB conducted a search of the Tennessee Department of Environment and Conservation database (http://environment-online.tn.gov:8080/pls/enf_reports/f?p=9001:710:::) and noted no orders or cases against the Project Proponent.</p> <p>The VVB is reasonably assured of the regulatory compliance of this project, pending the receipt of the regulatory compliance attestation.</p>

Round 1 NCR/CL/OFI	<p>CL: Please provide the legal and regulatory compliance attestation.</p> <p>CL: Please provide any further verifiable documentation of regulatory compliance that may demonstrate that the project was in regulatory compliance during the reporting period.</p>
Round 1 Response from Project Proponent	<p>Response provided in "ChesMt verif round 1 response detail.doc"</p> <p>We have submitted with this response the "Annual-TNC-Chestnut Mountain Improved Forest Management Project Attestation 12.17.18" (see item #6).</p> <p>The most recent FSC re-certification audit, which covers compliance with laws and regulations, has been completed and no findings were issued. TNC's group certificate includes the Chestnut Mountain project property, evidenced as of the last FSC-issued report Feb 11 2019 "The Nature Conservancy (Worldwide Office) FSC FM_COC Certificate 11.2.2019.pdf" (see Annex B.). The certificate is valid from Mar 10 2018 to Mar 9 2023.</p>
Verifier/Validator Findings - Round 1	<p>The annual legal and regulatory compliance attestation was provided. It was signed by Trisha Johnson of TNC on 17 December 2018 and follows the ACR template. This item is addressed.</p> <p>A FSC certificate was provided that includes Chestnut Mountain and is valid from 03 October 2018 to 03 September 2023. This addresses this request.</p>

Item Number	6
American Carbon Registry Standard Version 5.1, July 2018	COMMON PRACTICE - In the field or industry/sector, is there widespread deployment of this project, technology, or practice within the relevant geographic area? YES = FAIL NO = PASS
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	GHG Plan Part C2;
Verifier/Validator Findings - Initial	0
Round 1 NCR/CL/OFI	CL: Please provide the calculations utilized to calculate common practice in section C2 of the GHG Plan.
Round 1 Response from Project Proponent	Detailed Common Practice calculations have been submitted in "ChestnutMtn CommonPracticeCalcs 2-6-19.xls"
Verifier/Validator Findings - Round 1	The VVB reviewed the Common Practice calculations provided. While the VVB achieved a slightly different result, it is the opinion of the VVB that the project is over and above common practice. This would suggest that the project passes the common practice test. This item is addressed, pending the resolution of all findings pertaining to the project scenario projections.

Round NCR /CL/OFI	2	
Round 2 Response from Project Proponent		
Verifier/Validator Findings - Round 2		This is pending all precedent findings.
Round NCR /CL/OFI	3	
Round 3 Response from Project Proponent		
Verifier/Validator Findings - Round 3		This item is addressed.

Item Number	7	
American Carbon Registry Standard Version 5.1, July 2018		The risk assessment, overall risk category, Minimum Buffer Percentage, and calculated Buffer Contribution amount shall be included in the GHG Project Plan.
Evidence Used to Assess (Location in PD, MR or Supporting Documents)		GHG Plan; ACR Calcs Workbook;
Verifier/Validator Findings - Initial		The calculated buffer percentage is reported in section B8 of the GHG Plan. The VVB could not locate the Minimum Buffer Percentage or the calculated Buffer Contribution amount in the GHG Plan.
Round 1 NCR/CL/OFI		CL: Please include the Minimum Buffer Percentage or the calculated Buffer Contribution amount in the GHG Plan.
Round 1 Response from Project Proponent		The Minimum Buffer Percentage and the calculated Buffer Contribution are now stated in the GHG Plan in Section B8.
Verifier/Validator Findings - Round 1		The Minimum Buffer Percentage and the calculated Buffer Contribution are now stated in the GHG Plan in Section B8. This item is addressed, pending precedents.
Round NCR /CL/OFI	2	
Round 2 Response from Project Proponent		
Verifier/Validator Findings - Round 2		This item is addressed, pending precedents.
Round NCR /CL/OFI	3	
Round 3 Response from Project Proponent		

Verifier/Validator Findings - Round 3	This item is addressed.
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Item Number	8
American Carbon Registry Standard Version 5.1, July 2018	The GHG Project Plan shall use the ACR template and include the following information:
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	GHG Plan; ACR GHG Plan Template;
Verifier/Validator Findings - Initial	<p>The VVB confirmed that the GHG Project Plan utilized the ACR template. Please see below for details on contents.</p> <p>It was noted that a section title was included in the table of contents that does not match the ACR Template.</p>
Round 1 NCR/CL/OFI	CL: Please correct the table of contents to match the ACR Template.
Round 1 Response from Project Proponent	The offending section title has been removed from the table of contents, which now match the ACR template.
Verifier/Validator Findings - Round 1	The table of contents now matches the ACR Template. This item is addressed.

Item Number	9
American Carbon Registry Standard Version 5.1, July 2018	Project location, including geographic and physical information allowing for the unique identification and delineation of the specific extent of the project. Projects implementing a Programmatic Design Approach shall include location information for all sites known at the time of the GHG Project Plan validation;
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	GHG Plan Part A4; Chestnut_Mtn_Boundary_region.shp;
Verifier/Validator Findings - Initial	<p>Part A4 of the GHG Plan includes project location, including geographic and physical information. Further, the map provided in Section A4 of the GHG Plan matches that as provided in Chestnut_Mtn_Boundary_region.shp.</p> <p>However, section A4 of the GHG Plan names the boundary shapefile as Chestnut_Mtn _Boundary.shp, when the shapefile provided to the VVB is Chestnut_Mtn_Boundary_region.shp</p>
Round 1 NCR/CL/OFI	CL: Please ensure that the GHG Plan includes the correct file name for the Project Area boundary shapefile.
Round 1 Response from Project Proponent	The GHG Plan now references the correct (revised) shapefile for the project area, "Chestnut_Mtn_StrataMap_Revised."

Verifier/Validator Findings - Round 1	<p>The GHG Plan now references the correct, updated shapefile (Chestnut_Mtn_StrataMap_Revised.shp). For review of this file, please see elsewhere in this checklist. This item is addressed.</p> <p>However, it was noted that the maps within the GHG Plan have not been updated for the updated physical boundaries of the Project Area.</p>
Round 2 NCR /CL/OFI	CL: Please update the maps in the GHG Plan to utilize the updated physical boundaries of the Project Area.
Round 2 Response from Project Proponent	Boundaries have been updated and maps (Figs A1a and A1b) revised in GHG Plan.
Verifier/Validator Findings - Round 2	The maps have been updated in the GHG Plan and match the currently confirmed shapefile (Chestnut_Mtn_StrataMap_Rev3.shp). This item is addressed.

Item Number	10
American Carbon Registry Standard Version 5.1, July 2018	Project technologies, products, services, and expected level of activity;
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	GHG Plan General;
Verifier/Validator Findings - Initial	<p>No technologies are required for IFM.</p> <p>The GHG Plan includes planned services.</p> <p>The GHG Plan does not include a specific detail of the expected level of activity. This should include expected levels of management change from the previous landowner.</p>
Round 1 NCR/CL/OFI	CL: Please ensure that the GHG Plan includes a specific detail of the expected level of activity, including the expected levels of management change from the previous landowner, such as projected area of shortleaf restoration.
Round 1 Response from Project Proponent	Response provided in "ChesMt verif round 1 response detail.doc"
Verifier/Validator Findings - Round 1	Language is included in Section A6 of the GHG Plan outlining the expected level of activity on the project. This item is addressed.

Item Number	11
American Carbon Registry Standard Version 5.1, July 2018	Identification of risks that may substantially affect the project's GHG emission reductions or removal enhancements;
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	GHG Plan General;

Verifier/Validator Findings - Initial	The VVB could not locate an identification of risks that may affect the project's GHG emission reductions or removal enhancements.
Round 1 NCR/CL/OFI	CL: Please include within the GHG Plan a list of risks that may affect the project's GHG emission reductions or removal enhancements.
Round 1 Response from Project Proponent	The following text has been added to Section B8 of the GHG Plan "Risks that may substantially affect the project's GHG emission reductions or removal enhancements include fire, forest pests (particularly southern pine beetle in the Shortleaf Regeneration stratum), climate change, and failure of project activity to avoid unsustainable forest resource extraction and land use change."
Verifier/Validator Findings - Round 1	Section B8 of the GHG Plan now includes a list of risks that may substantially affect the project's GHG emission reductions or removal enhancements. This general list is sufficient to address this finding. This item is addressed.

Item Number	12
American Carbon Registry Standard Version 5.1, July 2018	The re-port shall describe the current status of project operation, and include the data monitored and monitoring plan, and the calculated emission reductions for the reporting period.
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	Monitoring Report;
Verifier/Validator Findings - Initial	<p>The current status of the project operation is included in the monitoring report.</p> <p>The monitoring report includes data and parameters monitored. A few items were noted:</p> <ol style="list-style-type: none"> 1. The dead wood pool is not included in the data/parameters monitored list. 2. For CP,TREE,t, not all equations are listed that use that parameter. 3. For CP,HWP,t, not all equations are listed that use that parameter. 4. For GHGP,t, not all equations are listed that use that parameter. 5. For GHGP,t, the description is incomplete in the monitoring report. 6. In the ACR Monitoring Report Template, within the Project Monitoring section, all validated parameters are to be reported. <p>In section V.2 of the monitoring report, the Project Proponent states to see the GHG Plan for the monitoring plan. However, the ACR Monitoring Report Template states that the monitoring plan section of the monitoring report includes reporting period-specific requirements. It is therefore the VVB's opinion that the "Monitoring Plan" section of the monitoring report should be filled-in with reporting period-specific information.</p> <p>The ERTs are pending precedents.</p>
Round 1 NCR/CL/OFI	<p>CL: Please address the findings regarding monitored data within the monitoring report.</p> <p>CL: Please include reporting period-specific information in the monitoring plan section of the monitoring report.</p>

Round 1 Response from Proponent	In the monitoring report, a table for parameter CP,DEAD,t has been added under parameters monitored/modeled Section V 1. All referenced equations in the methodology are now cited for each parameter. All relevant text from the monitoring plan Section D1 of the GHG Plan is now included in the monitoring report Section V 2.
Verifier/Validator Findings - Round 1	<p>A parameters monitored table for CP,DEAD,t has been correctly added to the monitoring report. This item is addressed.</p> <p>CP,TREE,t now lists all equations that utilize it. This item is addressed.</p> <p>CP,HWP,t now lists all equations that utilize it. This item is addressed.</p> <p>GHGp,t now lists all equations that utilize it. This item is addressed.</p> <p>The description of GHGp,t is now complete. This item is addressed.</p> <p>The Monitoring Report now adequately presents data monitored. This item is addressed.</p> <p>The Monitoring Report now includes period-specific monitoring plan information. This item is addressed.</p> <p>The VVB reviewed the reporting of values in the Monitoring Report and GHG Plan, and it was noted that there were some discrepant values reported throughout both documents. For example, some values in section VI of the Monitoring Report do not match values as confirmed in data checks, and common practice in the GHG Plan does not match what was calculated. A general review of the values reported is requested.</p> <p>It was also noted that the ACR Project ID# was missing from page 1.</p>
Round 2 NCR /CL/OFI	<p>CL: Please ensure that all values reported in the GHG Plan and Monitoring Report are correct and correspond to the values as calculated in the provided files.</p> <p>CL: Please include the ACR Project ID# in the Monitoring Report.</p>
Round 2 Response from Proponent	The GHG Plan and Monitoring Report have been revised to correct previous discrepant values reported and are now consistent. Also, the Monitoring Report now specifies the ACR project ID number 441.
Verifier/Validator Findings - Round 2	<p>The monitoring report now correctly reports all values. This item is addressed, pending the resolution of all precedent findings and requests.</p> <p>The GHG Plan now correctly reports all values. This item is addressed, pending the resolution of all precedent findings and requests.</p>
Round 3 NCR /CL/OFI	
Round 3 Response from Proponent	

Verifier/Validator Findings - Round 3	The value of “n” in Table E1 of the GHG Plan is incorrect.																														
Round 3 NCR /CL/OFI	CL: Please correct this value and resubmit the GHG Plan.																														
Round 3 Response from Project Proponent	<div>Hi Shawn,</div> <div>Good news. Attached revised – note that total n (94) is correct, the Upland Hwd should be 55 (instead of 56). See below.</div> <table><thead><tr><th>Strata</th><th>Acres</th><th>N</th><th>Measurement</th><th>year</th></tr></thead><tbody><tr><td>Cove HW</td><td></td><td></td><td>764.0</td><td>14 2015-2016</td></tr><tr><td>Shortleaf Regen</td><td></td><td></td><td>233.7</td><td>4 2018</td></tr><tr><td>SMZ</td><td></td><td></td><td>1,447.7</td><td>21 2015-2016</td></tr><tr><td>Upland HW</td><td></td><td></td><td>3,110.8</td><td>55 2015-2016</td></tr><tr><td>Total</td><td></td><td></td><td>5,556.2</td><td>94</td></tr></tbody></table> <div>This now matches all of the revised inventories with the final dataset.</div> <div>I will be traveling all next week but can follow up on any questions when I return the week of June 10.</div> <div>David</div>	Strata	Acres	N	Measurement	year	Cove HW			764.0	14 2015-2016	Shortleaf Regen			233.7	4 2018	SMZ			1,447.7	21 2015-2016	Upland HW			3,110.8	55 2015-2016	Total			5,556.2	94
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Upland HW			3,110.8	55 2015-2016																											
Total			5,556.2	94																											
Verifier/Validator Findings - Round 4	This item is addressed.																														

Item Number	13
American Carbon Registry Standard Version 5.1, July 2018	Project Proponents shall use the template for Project Monitoring Reports available at www.americancarbonregistry.org .
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	Monitoring Report;
Verifier/Validator Findings - Initial	The monitoring report does not fully follow the ACR template. The monitoring report does not currently report carbon pool stocks in Section IV.2 as required by the template. Also, the monitoring report does not currently report the verification status in Section VII.
Round 1 NCR/CL/OFI	CL: Please ensure that the monitoring plan fully follows the ACR template, while addressing the noted discrepancies in the finding.
Round 1 Response from Project Proponent	The monitoring report uses the most current ACR template version 1.0. Section IV.2 has been amended to include the carbon values by pool. The verification status in Section VII is now stated.
Verifier/Validator Findings - Round 1	The monitoring report now utilizes the ACR template version 1.0. This item is addressed.

Item Number	14
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American Carbon Registry Standard Version 5.1, July 2018	1. An overview of the Project Activity and geographic location.
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	GHG Plan Part F1;
Verifier/Validator Findings - Initial	The GHG Plan environmental and community impact assessment includes an overview of the Project Activity and geographic location. It was noted that the overview of the geographic location listed the HUC-12 watersheds into which the project falls. However, it was noted that a watershed was missing (HUC 051301080305).
Round 1 NCR/CL/OFI	CL: Please ensure that the geographic location description within the environmental and community impact assessment is accurate.
Round 1 Response from Project Proponent	We have amended the GHG plan to include reference to the Caney Fork River-Clifty Creek (HUC 051301080303) watershed, per additional clarification provided by Aster Global in an email from Feb 19 2019.
Verifier/Validator Findings - Round 1	Caney Fork River-Clifty Creek is now included in the watersheds description. This item is addressed.

Item Number	15
American Carbon Registry Standard Version 5.1, July 2018	The definition of forest shall apply in each eligible forest project category. For exam-ple, afforestation/ reforestation activities must target the eventual establishment of a forest; IFM activities must be implemented in a forest remaining as forest; and Avoided Conversion activities must be implemented in a forest and prevent its conver-sion to non-forest or its degradation remaining forest.
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	GHG Plan Part B3; Chestnut_MTN_Stratum.shp;
Verifier/Validator Findings - Initial	The VVB reviewed the strata shapefile (Chestnut_MTN_Stratum.shp), and noted that a non-forest stratum exists. This stratum is not utilized in accounting. The GHG Plan states in Part B3 that the project "Removed any non-forested area cover like the Bondecroft Dam, Billy Branch Lake, and Roads, etc. – listed them as N/A". However, while on site, roads were noted in the Project Area that were not delineated as "N/A".
Round 1 NCR/CL/OFI	CL: Please clarify why not all roads within the Project Area were delineated into the "N/A" stratum and removed from carbon accounting.

Round 1 Response from Proponent	Some, but not all roads were delineated and excluded from the project area. Those roads delineated and excluded can be seen in the project area shape file and in figure A1a of the GHG Plan. Note that there is no "N/A" stratum within the project area; this "stratum" was delineated as non-forest and excluded. Roads not excluded from the project area were part of the sample frame - despite the original SOP text "If plots fall in non-forest that will remain non-forested (roads or other infrastructure) than plot should be moved in a cardinal direction two chains and new location noted in cruser notes." (this text now removed from SOP), to our knowledge no plots were moved off of a road during implementation, confirmed via comparison of original and final plot grids (see also response to finding #25). The text in the GHG Plan was clarified to state "Removed any non-forested area cover like the Bondecroft Dam, Billy Branch Lake, and *some* roads"
Verifier/Validator Findings - Round 1	<p>The VVB reviewed the original plot layout grid, and noted that the only plots moved have been accounted for elsewhere in this checklist.</p> <p>The Inventory SOP document now states that plots will be taken as they fall and will not be relocated, with no mention of relocating for roads. The GHG Plan now states that some roads were removed. It is the VVB's opinion that since remaining plots were not moved, this item is addressed and is statistically acceptable.</p>

Item Number	16
American Carbon Registry Standard Version 5.1, July 2018	ACR accepts projects on all land ownership types—private, public (municipal, county, state, fed-eral, or other), and tribal—provided the Project Proponent demonstrates that the land is eligible, documents clear land title and offsets title, the offsets contract is enforceable, and the Project Activity is additional and meets all other requirements of the ACR Standard. Projects on public lands, like any other project, shall demonstrate that the activity is not required by regulations and meets other additionality criteria. Agriculture and land use projects that generate ERTs with no risk of reversal need not demonstrate land title.
Evidence Used to Assess (Location in PD, MR or Supporting Documents	GHG Plan Part A3;

Verifier/Validator Findings - Initial	<p>Please see the eligibility sections of this checklist for eligibility screening.</p> <p>Please see the additionality sections of this checklist for additionality review.</p> <p>Part A3 of the GHG Plan states that TNC has all management and ownership rights. The VVB could not locate the deed transferring ownership to TNC.</p> <p>The VVB accessed the Tennessee Property Viewer website (https://tnmap.tn.gov/assessment/) and located the property. The parcel is under the ownership of The Nature Conservancy. While on site, the VVB visited boundaries that were marked. These generally agreed with the boundary shapefile provided. However, the VVB noted an area that did not closely match between the Tennessee Property Viewer map and the boundary shapefile. This area is located at: (35.857246°, -85.360301°).</p>
Round 1 NCR/CL/OFI	<p>CL: Please provide the deed transferring both land and offset title ownership to TNC.</p> <p>CL: Please clarify the noted discrepant area.</p>
Round 1 Response from Project Proponent	<p>Response provided in "ChesMt verif round 1 response detail.doc"</p>
Verifier/Validator Findings - Round 1	<p>A quitclaim deed was provided (Bridgestone Deed in - Quitclaim Deed - recorded.pdf) which lists the same parcel number as the Project Area's parcel number (076-001.00), as assigns all rights, easements, and privileges to The Nature Conservancy. This deed was executed on 29 May 2018.</p> <p>The deed contains language stating that the deed is "subject to those limitations, covenants, requirements and restrictions set forth in that certain Declaration of Restrictive Covenants for Bridgestone/Firestone Retained Land, dated as of April 13, 2000, and recorded in the Register's Office of White County, Tennessee (the "Register's Office") at RB74, Page 569". The VVB requests this document.</p> <p>The VVB reviewed the updated project boundary (Chestnut_Mtn_StrataMap_Revised.shp) and compared against the plat map provided (Bridgestone Survey by Michael Stump.pdf). The VVB was also shown the georeferenced plat overlaid on the project boundary during a phone call with TerraCarbon on 20 February 2019. These sources of evidence, paired with site visit observations and GPS points taken in the field by the VVB provide reasonable assurance of the project area outer boundary.</p> <p>However, the plat provided displays an inholding held by the Bondecroft Utility District that equates to 5.03 acres. While some of this area is removed from the Project Area, it appears that some area of the water treatment facility may be included in the project area.</p>

Round NCR /CL/OFI	2	<p>CL: Please provide the Declaration of Restrictive Covenants as quoted in the finding.</p> <p>CL: Please clarify the exclusion of the Bondecroft Utility District inholding within the outer boundaries of the Project Area. While doing so, please demonstrate that all of that inholding is excluded from the Project Boundary.</p>
Round 2 Response from Proponent		<p>Declaration of Restrictive Covenants https://tnc.box.com/s/n3i2zbujst8io5am8iavknykkq2fsfu Bon DeCroft Lake Easement https://tnc.box.com/s/qczwq29xwm3hwzkm5shcqx9jxe34wbaw</p> <p>We have revised the project area to exclude the utility district area (~2.5 ac in the SMZ stratum, affecting no inventory plots) and updated the project area shapefile, the new parcel map, and the new strata map. Section B3 of the GHG Plan now states that "An inholding held by the Bondecroft Utility District was also delineated and excluded from the project boundary." The project area shapefile has been revised, now "Chestnut_Mtn_StrataMap_Rev3.shp"</p>
Verifier/Validator Findings - Round 2		<p>The Declaration of Restrictive Covenants as described in the deed was provided. The Restrictive Covenants do not provide any language that would suggest to the VVB that the project would be ineligible due to the covenants. This item is addressed. However, please see the finding in the Methodology related to baseline modeling.</p> <p>The Bondecroft Utility District's inholding has been appropriately removed from the project area. The VVB compared the new shapefile (Chestnut_Mtn_StrataMap_Rev3.shp) to the previously provided survey. This provided reasonable assurance that the project area is appropriately defined. This item is addressed.</p>

Item Number	16.1
American Carbon Registry Standard Version 5.1, July 2018	<p>Start Date - For AR or Wetland restoration/re-vegetation projects, the Start Date is when the Project Proponent began planting or site preparation. For IFM, the Start Date may be denoted by one of the following: 1. The date that the Project Proponent began to apply the land management regime to increase carbon stocks and/or reduce emissions relative to the baseline. 2. The date that the Project Proponent initiated a forest carbon inventory. 3. The date that the Project Proponent entered into a contractual relationship to implement a carbon project. 4. The date the project was submitted to ACR for listing review. Other dates may be approved by ACR on a case by case basis. For Avoided Conversion of non-forest, the Start Date is when the Project Proponent implemented the project action physically and/or legally, such as securing a concession or placing a land conservation agreement on the project land. For other Agricultural Land-based projects, the Start Date is the date by which the Project Proponent began the Project Activity on project lands, or the start of the cultivation year during which the Project Activity began. - See requirements in Chapter 3, Table 2, of the ACR Standard.</p>

Evidence Used to Assess (Location in PD, MR or Supporting Documents)	GHG Plan Part A3;
Verifier/Validator Findings - Initial	The Start Date is reported as 05 June 2018, when TNC acquired and initiated management of the property. However, this is pending the request for the deed of transfer.
Round 1 NCR/CL/OFI	[Previously pending]
Round 1 Response from Project Proponent	[Previously pending]
Verifier/Validator Findings - Round 1	The VVB has been provided with the quitclaim deed that transfers ownership to The Conservation Fund. This deed was executed on 29 May 2018. The start date is 05 June 2018, "marked by the date that TNC acquired and initiated management of the property." It is unclear from where the start date was sourced, as the deed was executed on 29 May 2018.
Round 2 NCR /CL/OFI	CL: Please clarify the start date. While doing so, please provide substantiation of the start date of 05 June 2018.
Round 2 Response from Project Proponent	Regarding Round 2 Finding 16.2- the Quick claim deed we provided (also attached), was executed on May 29, 2018, but if you scroll to the last page, it wasn't officially recorded until June 5, 2018. This is when legally TNC gained ownership of the property. Also, you mentioned Conservation Fund, please edit to state The Nature Conservancy.
Verifier/Validator Findings - Round 2	The VVB confirmed that the quitclaim deed was recorded on 05 June 2018, which supports the start date of the project. This item is addressed.

Item Number	17
ACR - Improved Forest Management Methodology for Quantifying GHG Removals and Emission Reductions through Increased Forest Carbon Sequestration on Non-Federal U.S. Forestlands - Version 1.3 April 2018	Private or non-governmental organization ownerships subject to commercial timber harvesting at the project Start Date in the with-project scenario must be certified by FSC, SFI, or ATFS or become certified within one year of the project Start Date. If there are no ongoing harvests at the project Start Date, but harvests occur later in the project life cycle, the project area must become certified before any commercial timber harvesting can occur
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	FSC Certification Reassessment Report;

Verifier/Validator Findings - Initial	An FSC Certification Reassessment Report was provided that covers multiple TNC lands. However, this report was issued before the Chestnut Mountain property was obtained (05 June 2018). The VVB conducted a search on the FSC website (https://info.fsc.org/details.php?id=a0240000005sSaVAAU&type=certificate) and noted that Chestnut Mountain is included in the FSC certificate. However, the Chestnut Mountain property does not have a valid from/valid to date.
Round 1 NCR/CL/OFI	CL: Please clarify if the provided FSC Certification Reassessment Report includes the Project Area, considering the report was issued before the reported date of acquisition of the Project Area and that the FSC website does not list valid dates for the Chestnut Mountain property.
Round 1 Response from Project Proponent	Response provided in "ChesMt verif round 1 response detail.doc"
Verifier/Validator Findings - Round 1	A FSC certificate was provided that includes Chestnut Mountain and is valid from 03 October 2018 to 03 September 2023. This addresses this request.

Item Number	18
ACR - Improved Forest Management Methodology for Quantifying GHG Removals and Emission Reductions through Increased Forest Carbon Sequestration on Non-Federal U.S. Forestlands - Version 1.3 April 2018	Project proponent must demonstrate its ownership or control of timber rights at the project start date
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	GHG Plan General; Project documents; TN Comptroller of the Treasury Website;
Verifier/Validator Findings - Initial	The GHG Plan states that the property has been under TNC ownership since the start date of 05 June 2018. However, no documentary evidence was supplied to support the ownership of the project area by TNC. Further, the VVB accessed the Tennessee Comptroller of the Treasury Website (https://www.assessment.cot.tn.gov/RE_Assessment/ParcelListI.aspx) and could not locate the property under TNC's name. Further support of the ownership and/or control of timber rights as of the project start date is requested.
Round 1 NCR/CL/OFI	CL: Please provide documentary substantiation of the ownership of the project area by TNC, per the ACR requirement.
Round 1 Response from Project Proponent	In response to this finding we have supplied a copy of the "Bridgestone Deed in - Quitclaim Deed – recorded"

Verifier/Validator Findings - Round 1	Part B2 of the GHG Plan states that TNC owns the property and the timber rights. However, this is pending the request and finding in the ACR Standard tab regarding the deed of transfer.
Round 2 NCR /CL/OFI	
Round 2 Response from Project Proponent	
Verifier/Validator Findings - Round 2	This item is addressed.

Item Number	19
ACR - Improved Forest Management Methodology for Quantifying GHG Removals and Emission Reductions through Increased Forest Carbon Sequestration on Non-Federal U.S. Forestlands - Version 1.3 April 2018	Property parcel map
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	GHG Plan Part A4;
Verifier/Validator Findings - Initial	The GHG Plan does not currently contain a property parcel map showing the parcel(s) included in the Project Area.
Round 1 NCR/CL/OFI	CL: Please include a property parcel map in the GHG Plan that displays the parcel(s) included in the Project Area.
Round 1 Response from Project Proponent	A property parcel map, with the project area and White County tax parcel number, is now included as Figure A1b in the GHG Plan.
Verifier/Validator Findings - Round 1	A map is now included in the GHG Plan that provides the parcel outline and parcel number. However, the map does not reflect the updated project area boundary or the Tennessee assessor's map.
Round 2 NCR /CL/OFI	CL: Please ensure that the property parcel map is reflective of the Project Area boundary.
Round 2 Response from Project Proponent	The property parcel map has been updated in the GHG Plan, Fig A1b.
Verifier/Validator Findings - Round 2	The property parcel map within the GHG Plan is reflective of the Project Area boundary. This item is addressed.

Item Number	20
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ACR - Improved Forest Management Methodology for Quantifying GHG Removals and Emission Reductions through Increased Forest Carbon Sequestration on Non-Federal U.S. Forestlands - Version 1.3 April 2018	The minimum Project Term begins on the Start Date (not the first or last year of crediting).
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	PD Section A3
Verifier/Validator Findings - Initial	A statement to this effect could not be located in the PD.
Round 1 NCR/CL/OFI	CL: Please clarify where this is stated in the PD. If it does not exist please add language to the same affect within the table in section A3.
Round 1 Response from Project Proponent	The statement "The minimum project term begins on the project start date of June 5 2018." has been inserted in the GHG Plan in the table in section A3.
Verifier/Validator Findings - Round 1	Language is included in the GHG Plan that states "The minimum project term begins on the project start date of June 5 2018." This item is addressed.

Item Number	21
ACR - Improved Forest Management Methodology for Quantifying GHG Removals and Emission Reductions through Increased Forest Carbon Sequestration on Non-Federal U.S. Forestlands - Version 1.3 April 2018	The IFM baseline is the legally permissible harvest scenario that would maximize NPV of perpetual wood products harvests.
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	Calculations Files;

Verifier/Validator Findings - Initial	<p>This is pending all precedents, including FVS findings and requests.</p> <p>The VVB reviewed the NPV determination in NPV ChesMt.xlsx.</p> <p>The VVB could not find support for the planting costs provided in the "assumptions" tab.</p> <p>While the VVB obtained slightly different NPV values in the baseline NPV determination exercise, the years of NPV maximization were confirmed. As such, it is the VVB's opinion that the slight difference in NPV values does not affect the baseline determination.</p>
Round 1 NCR/CL/OFI	CL: Please provide support for the planting costs provided in the "assumptions" tab of NPV ChesMt.xlsx
Round 1 Response from Project Proponent	The source for the cost assumptions is evidenced in an Oct 4 2018 email from Panther Creek Forestry to TNC, forwarded to Aster Global on 27 Feb 2019.
Verifier/Validator Findings - Round 1	<p>An email was provided from 10 October 2018 in which the costs of planting loblolly pine was discussed. This email supports the costs assumptions in the baseline NPV determination. This item is addressed.</p> <p>This is pending all precedents, including FVS findings and requests.</p> <p>The VVB reviewed the NPV determination in NPV ChesMt rev1.xlsx.</p> <p>While the VVB obtained slightly different NPV values in the baseline NPV determination exercise, the years of NPV maximization were confirmed. As such, it is the VVB's opinion that the slight difference in NPV values does not affect the baseline determination.</p>
Round 2 NCR /CL/OFI	[This item was previously pending]
Round 2 Response from Project Proponent	[This item was previously pending]
Verifier/Validator Findings - Round 2	In this round and in response to another finding, the project proponent provided restrictive covenants referenced in the deed. Within these restrictive covenants, section 2.4 includes language forbidding harvesting timber within 500 feet of Firestone Lake unless it is for development or to prevent the spread of wildfire and disease. However, it does not appear that this restriction is included in the baseline scenario.
Round 3 NCR /CL/OFI	CL: Please clarify the noted language in the restrictive covenants provided. Please demonstrate that the restrictive covenants do not inhibit harvesting in the project and/or any of the baseline scenario.
Round 3 Response from Project Proponent	Response provided in "Ches Mt Round 3 response"

Verifier/Validator Findings - Round 3	<p>The VVB reviewed the updated shapefile of the project area (Chestnut_Mtn_StrataMap_Rev05092019.shp). A 500' buffer around the Firestone Lake was applied. No other significant aspects of the project area were noted to have changed. It was noted that Plot 58 was the only plot that fell outside of the project area due to this update. The update to the project area is appropriate.</p> <p>-Inventory Grow/Degrow</p> <p>-Confirmed grow/degrow in both files (Chestnut Mtn inventory GROWN Dec2018 rev3.xlsx, Chestnut Mtn inventory GROWN Jun2018 rev3.xlsx)</p> <p>-Baseline:</p> <p>-Confirmed the input database (ChesMt2018rev_Database.mdb)</p> <p>-NPV Run</p> <p>-Confirmed that .key file had not changed beyond expected changes.</p> <p>-Ran the .key file</p> <p>-Confirmed outputs</p> <p>-NPV baseline scenarios confirmed in .key file as correct</p> <p>-Baseline FVS outputs confirmed.</p> <p>-Confirmed Baseline Calc Files (bsl2 live tree proj ChesMt rev3.xlsx, bsl2 hwp proj ChesMt rev3.xlsx, bsl2 snag proj ChesMt rev3.xlsx)</p> <p>-Project Run</p> <p>-Confirmed WP .key file remained unchanged beyond expected changes</p> <p>-Ran .key file</p> <p>-Confirmed FVS outputs and project calc files.</p> <p>-ACR Calcs</p> <p>-Confirmed ACR calcs were updated appropriately.</p> <p>This item is addressed.</p>
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Item Number	22
ACR - Improved Forest Management Methodology for Quantifying GHG Removals and Emission Reductions through Increased Forest Carbon Sequestration on Non-Federal U.S. Forestlands - Version 1.3 April 2018	<p>The baseline management scenario shall be based on silvicultural prescriptions recommended by published state or federal agencies to perpetuate existing onsite timber producing species while fully utilizing available growing space.</p>
Evidence Used to Assess (Location in PD, MR or Supporting Documents	Baseline files; GHG Plan;

Verifier/Validator Findings - Initial	Baseline scenarios were confirmed to be in compliance with forestry laws in Tennessee and common practice in the area. The VVB requests further clarification on the determination of the SMZ stratum, including intermediate geospatial files.
Round 1 NCR/CL/OFI	CL: Please provide further detail to clarify the methods utilized to determine the SMZ stratum. In doing so, please provide any intermediate geospatial files utilized to determine the SMZ stratum.
Round 1 Response from Project Proponent	Response provided in "ChesMt verif round 1 response detail.doc"
Verifier/Validator Findings - Round 1	As SMZs are not required (but are commonplace in Tennessee forestry), that the delineation of the SMZ stratum did not violate any strata delineation rules as outlined in project documentation, and given the response that the SMZs were delineated by the foresters in the field, the VVB is reasonably assured that the SMZ strata delineation was done appropriately. This item is addressed.

Item Number	23
ACR - Improved Forest Management Methodology for Quantifying GHG Removals and Emission Reductions through Increased Forest Carbon Sequestration on Non-Federal U.S. Forestlands - Version 1.3 April 2018	The resulting harvest schedule is used to establish baseline stocking levels through the Crediting Period.
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	Baseline files; GHG Plan;
Verifier/Validator Findings - Initial	Within the "PIVOT LIVE ABGB" tab of bsl2 live tree proj ChesMt.xlsx, it is unclear why the growth rate for 2018-2023 in the "SMZ4" case is applicable to the entire 20 year baseline period. Within the bsl2 snag proj ChesMt.xlsx and bsl2 hwp proj ChesMt.xlsx, it was noted that the species crosswalk from FVS species codes to FIA species codes do not necessarily match the FIA species codes that were assigned at the inventory. This leads to an incorrect assignment of species code in the baseline scenarios.
Round 1 NCR/CL/OFI	CL: Please clarify why the growth rate for 2018-2023 in the "SMZ4" case is applicable to the entire 20 year baseline period in the "PIVOT LIVE ABGB" tab of bsl2 live tree proj ChesMt.xlsx. CL: Please ensure that the FVS to FIA species code crosswalk is reflective of the inventoried species codes for all trees.

Round 1 Response from Proponent	Response provided in "ChesMt verif round 1 response detail.doc"
Verifier/Validator Findings - Round 1	<p>The SMZ4 case now interpolates FVS output data in a manner that is acceptable and logical. This item is addressed.</p> <p>The FVS to FIA species code crosswalk has been updated and was confirmed by the VVB. This item is addressed.</p> <p>This is pending precedents.</p>
Round 2 NCR /CL/OFI	
Round 2 Response from Proponent	
Verifier/Validator Findings - Round 2	This is pending precedents.
Round 3 NCR /CL/OFI	
Round 3 Response from Proponent	
Verifier/Validator Findings - Round 3	This was done appropriately. This item is addressed.

Item Number	24
ACR - Improved Forest Management Methodology for Quantifying GHG Removals and Emission Reductions through Increased Forest Carbon Sequestration on Non-Federal U.S. Forestlands - Version 1.3 April 2018	
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	Project Documents;
Verifier/Validator Findings - Initial	It is unclear to the VVB why cell I17 of the "ACR IFM calc template" tab of the ACR Calculations worksheet is not consistent with other cells in the same row.
Round 1 NCR/CL/OFI	CL: Please clarify the formulation utilized in cell I17 of the "ACR IFM calc template" tab of the ACR Calculations worksheet and why it is not consistent with previous years in the same row.

Round 1 Response from Proponent	Response provided in "ChesMt verif round 1 response detail.doc"
Verifier/Validator Findings - Round 1	The clarifying language provided ample description for the VVB to confirm that ΔCBSL_t was calculated appropriately. This item is addressed, pending precedents.
Round 2 NCR /CL/OFI	
Round 2 Response from Project Proponent	
Verifier/Validator Findings - Round 2	The clarifying language provided ample description for the VVB to confirm that ΔCBSL_t was calculated appropriately. This item is addressed, pending precedents.
Round 3 NCR /CL/OFI	
Round 3 Response from Project Proponent	
Verifier/Validator Findings - Round 3	This was done appropriately. This item is addressed.

Item Number	25
ACR - Improved Forest Management Methodology for Quantifying GHG Removals and Emission Reductions through Increased Forest Carbon Sequestration on Non-Federal U.S. Forestlands - Version 1.3 April 2018	A sampling plan must be developed that describes the inventory process including sample size, determination of plot numbers, plot layout and locations, and data collected.
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	GHG Plan Part E; Final Carbon Cruise Specs;

Verifier/Validator Findings - Initial	<p>The inventory methodology is supplied in two parts. The first part (Final Carbon Cruise Specs Chestnut Mountain Dec 2015- Jan 2017.pdf) was developed to govern the measurement of the carbon plots. Also, the GHG Plan contains inventory guidelines in Part E. The VVB reviewed the inventory methodologies provided and understand that the Final Carbon Cruise Specs were prepared in advance of the GHG Plan. Further, the inventory methodologies were thoroughly reviewed during the site visit. This included replication of the inventory methods as well as spot-checking plot placement and interviewing the inventory foresters.</p> <p>The plots were laid-out in a systematic grid with an approximate spacing of 1,600 feet to achieve the project's confidence goal. The VVB recorded GPS points at each plot center visited, and no discernable plot location bias was noted in those plots. However, the methodology documents require some clarification on plot placement. The Final Carbon Cruise Specs state that "[i]f plot location is such that it straddles a property line, it should be moved one chain (66') north, south, east, or west to allow for the entire plot to fall onto the property. Any instances of this will be documented in the cruiser notes." It is unclear if this methodology was invoked during the inventory process. When on site, the VVB asked the Panther Creek foresters if there was a raw, unaltered plot grid, to which it was replied that there is such a shapefile. As such, the VVB requests the original plot layout grid to review plot placement.</p> <p>Also related to plot layout, the Final Carbon Cruise Specs state that "[p]lots that fall in early successional, old field, or brush will be installed as they fall and will not be relocated. If plots fall in non-forest that will remain non-forested (roads or other infrastructure) than plot should be moved in a cardinal direction two chains and new location noted in cruiser notes." While on site, discussions with project personnel divulged that plots that fell in Billy Branch Lake were dropped. It is unclear to the VVB how this method followed the plot methodology noted above.</p> <p>While conducting the field visit, the VVB noted a few clarifications that were clarified by the inventory staff but should be added to an inventory methodology to ensure consistent future measurement. It was unclear from the inventory methodology at what point on the stem trees were measured for distance from plot center. The inventory methodology does not define a minimum biomass defect threshold, but the inventory crew on site stated that biomass defect was generally estimated in 5% increments. The methodology also states both that diameter at breast height should be rounded to the nearest tenth of an inch and should be rounded down to the nearest tenth of an inch.</p>
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Round 1 NCR/CL/OFI	<p>CL: Please provide the original, unaltered plot layout grid. If any plots were relocated, please provide any cruiser notes on plot relocation.</p> <p>CL: Please clarify how dropping plots that fell within Billy Branch Lake are in agreement with the methodology for moving plot locations that fall within non-forest areas that will remain non-forest.</p> <p>CL: Please add clarification to the inventory methodology detailing at what point on the stem trees are measured for distance from plot center.</p> <p>CL: Please add clarification to the inventory methodology detailing the minimum threshold/increment for biomass defect calls while in the field.</p> <p>CL: Please add clarification to the inventory methodology consistently detailing how diameter at breast height should be rounded.</p>
Round 1 Response from Project Proponent	Response provided in "ChesMt verif round 1 response detail.doc"
Verifier/Validator Findings - Round 1	<p>The original plot layout was provided to the VVB (Bridgestone_CFI_point_orig.shp). As noted in the response, plots 49, 59, and 69 were not treated as prescribed in the inventory methodology. The VVB agrees that the most appropriate action is to drop the plots in question (59, 69, and 49), given the circumstances. This item is addressed.</p> <p>Given the above information, it is appropriate to drop plots that fall within Billy Branch Lake, as these plots fell outside of the Project Area. This item is addressed.</p> <p>Language is now included in the carbon inventory methodology detailing the specifics for measuring limiting distance for borderline trees. This item is addressed.</p> <p>Language is now included in the carbon inventory methodology detailing that defect on trees will be assessed in 10% increments. This item is addressed.</p> <p>Language is now included in the carbon inventory methodology detailing that diameter is to be rounded to the nearest inch. This item is addressed.</p>

Item Number	26
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ACR - Improved Forest Management Methodology for Quantifying GHG Removals and Emission Reductions through Increased Forest Carbon Sequestration on Non-Federal U.S. Forestlands - Version 1.3 April 2018	Uncertainties arising from the measurement and monitoring of carbon pools and the changes in carbon pools shall always be quantified.
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	Project Files;
Verifier/Validator Findings - Initial	Inventory confidence statistics were calculated in Chestnut Mtn inventory GROWN Jun2018.xlsx. A few issues were noted: 1. The "PIVOT ALL" tab only includes live, not live and dead. 2. In the "PIVOT DEAD" tab, a plot is missing from the Shortleaf stratum. This item is also pending all precedents.
Round 1 NCR/CL/OFI	CL: Please ensure that the "PIVOT ALL" tab of Chestnut Mtn inventory GROWN Jun2018.xls is calculated correctly, per the finding. CL: Please ensure that all plots are included in the "PIVOT DEAD" tab of Chestnut Mtn inventory GROWN Jun2018.xls
Round 1 Response from Project Proponent	Response provided in "ChesMt verif round 1 response detail.doc"
Verifier/Validator Findings - Round 1	The "PIVOT ALL" tab is now correctly calculated in the updated June 2018 calculations workbook. This item is addressed. All plots are now included in the "PIVOT DEAD" tab of the updated June 2018 calculations workbook. This item is addressed.

Item Number	27
ACR - Improved Forest Management Methodology for Quantifying GHG Removals and Emission Reductions through Increased Forest Carbon Sequestration on Non-Federal U.S. Forestlands - Version 1.3 April 2018	Project Proponents must present in the GHG Plan an ex ante stratification of the project area or justify the lack of it.

Evidence Used to Assess (Location in PD, MR or Supporting Documents)	PD
Verifier/Validator Findings - Initial	No evidence or discussion of ex ante stratification could be found within the PD. As per this requirement, if ex ante stratification was not conducted, a justification needs to be included within the PD as to why it ex ante stratification was not utilized.
Round 1 NCR/CL/OFI	NCR: Within the PD please provide justification for the lack of ex ante stratification.
Round 1 Response from Project Proponent	The same stratification was applied in both the baseline and ex ante (actual) scenarios. The GHG Plan now makes this explicit in Section E6.
Verifier/Validator Findings - Round 1	Language is now included in Section E6 of the GHG Plan stating that the same stratification was utilized for ex-ante and baseline scenarios. This item is addressed.

Item Number	28
ACR - Improved Forest Management Methodology for Quantifying GHG Removals and Emission Reductions through Increased Forest Carbon Sequestration on Non-Federal U.S. Forestlands - Version 1.3 April 2018	Forest management activities (e.g. cleaning, planting, thinning, harvesting, coppicing, replanting) may be implemented in a way that affects the existing stratification
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	
Verifier/Validator Findings - Initial	Recent harvests were noted onsite, however the date of the harvests is important as the start date was June.
Round 1 NCR/CL/OFI	CL: As recent harvests were noted onsite during the field visit, please provide demonstration that these took place prior to the start date.
Round 1 Response from Project Proponent	Response provided in "ChesMt verif round 1 response detail.doc"
Verifier/Validator Findings - Round 1	Personal correspondence was provided that demonstrates that logging occurred prior to the reporting period. This item is addressed.

Item Number	29
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ACR - Improved Forest Management Methodology for Quantifying GHG Removals and Emission Reductions through Increased Forest Carbon Sequestration on Non-Federal U.S. Forestlands - Version 1.3 April 2018	Emissions from biomass burning must be monitored during project activities.
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	PD, Monitoring report
Verifier/Validator Findings - Initial	Conservatively estimated as zero in baseline and no burning was identified in the project case. The parameter section of the monitoring report does include a typo. The description for the parameter GHGp, t states "GHGP,t Greenhouse gas emission (in metric tons CO2e) resulting from the" but should state "GHGP,t Greenhouse gas emission (in metric tons CO2e) resulting from the implementation of the project in year (t)."
Round 1 NCR/CL/OFI	CL: Please see the finding and correct the language for this parameter in the monitoring report.
Round 1 Response from Project Proponent	The language was there in the monitoring report, simply the box needed to be expanded to reveal the full text. This correction has been made in the revised monitoring report.
Verifier/Validator Findings - Round 1	The parameter table for GHGp,t is complete in the Monitoring Report. This item is addressed.

Item Number	30
ACR - Improved Forest Management Methodology for Quantifying GHG Removals and Emission Reductions through Increased Forest Carbon Sequestration on Non-Federal U.S. Forestlands - Version 1.3 April 2018	1) carbon stock levels to be determined in each time period, t, for which a valid verification report is submitted, and
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	Project files;

Verifier/Validator Findings - Initial	In the "PIVOT DEAD" tab, a plot is missing from the Shortleaf stratum. Further, the FVS-FIA species code crosswalk item exists in this file, as requested elsewhere.
Round 1 NCR/CL/OFI	CL: Please ensure that all plots are included in the "PIVOT DEAD" tab of Chestnut Mtn inventory GROWN Dec2018.xlsx. CL: Please ensure that the FVS to FIA species code crosswalk is reflective of the inventoried species codes for all trees in all project workbooks.
Round 1 Response from Project Proponent	Response provided in "ChesMt verif round 1 response detail.doc"
Verifier/Validator Findings - Round 1	All plots are now included in the "PIVOT DEAD" tab of the updated December 2018 calculations workbook. This item is addressed. The FVS to FIA species code crosswalk has been updated and confirmed in the updated December 2018 calculations workbook. This item is addressed.

Item Number	30.1
ACR - Improved Forest Management Methodology for Quantifying GHG Removals and Emission Reductions through Increased Forest Carbon Sequestration on Non-Federal U.S. Forestlands - Version 1.3 April 2018	CP,HWP,t Carbon remaining stored in wood products 100 years after harvest (in metric tons CO2) for the project in year t.
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	Project files;
Verifier/Validator Findings - Initial	This was done appropriately, pending precedents. See data checks.
Round 1 NCR/CL/OFI	[Previously pending]
Round 1 Response from Project Proponent	[Previously pending]
Verifier/Validator Findings - Round 1	The VVB reviewed the updated with-project HWP calculations file (wp hwp proj ChesMt rev1.xlsx). It was noted with the "PIVOT HWP" tab that some modeling units' values were switched (ex: cell X5). This leads to an incorrect calculation of with-project HWP.

Round NCR /CL/OFI	2	NCR: Please correct the noted discrepancy in the with-project HWP calculations and all dependent files.
Round 2 Response from Project Proponent		We have corrected the stratum/model group references in "wp hwp proj ChesMt" "PIVOT HWP" tab, now correctly assinging acreages.
Verifier/Validator Findings - Round 2		This has been corrected. This item is addressed.

Item Number	31	
ACR - Improved Forest Management Methodology for Quantifying GHG Removals and Emission Reductions through Increased Forest Carbon Sequestration on Non-Federal U.S. Forestlands - Version 1.3 April 2018		If the project decreases wood product production by >5% relative to the baseline then the Project Proponent and all associated land owners must demonstrate that there is no leakage within their operations – i.e., on other lands they manage/operate outside the bounds of the ACR carbon project.
Evidence Used to Assess (Location in PD, MR or Supporting Documents)		
Verifier/Validator Findings - Initial		The appendix to the monitoring report states "Quantification of leakage is limited to market leakage, as no activity-shifting leakage is allowed by the methodology beyond de minimis levels. " However as the project uses a basis of 100% reduction in wood products for the market leakage analysis and does not provide a separate analysis for activity shifting leakage to show wood product production is not decreased by greater than 5%, then as stated in the requirement" the Project Proponent and all associated land owners must demonstrate that there is no leakage within their operations."
Round 1 NCR/CL/OFI		NCR: Please provide either a demonstration that wood production is not decreased by greater than 5% or provide a demonstration that the Project Proponent and all associated land owners have no leakage within their operations.
Round 1 Response from Project Proponent		Response provided in "ChesMt verif round 1 response detail.doc"
Verifier/Validator Findings - Round 1		As the project is currently reducing wood products production by >5% in comparison to the baseline, a demonstration is required to detail that there is no leakage within their operations. Per the methodology, this demonstration may include "Entity-wide management certification that requires sustainable practices (programs can include FSC, SFI, or ATFS)." It is the VVB's understanding that the FSC certificate provided in this round of responses from the project satisfies this demonstration. As such, this item is addressed.

Item Number	32
ACR - Improved Forest Management Methodology for Quantifying GHG Removals and Emission Reductions through Increased Forest Carbon Sequestration on Non-Federal U.S. Forestlands - Version 1.3 April 2018	The Project Proponent must make an ex ante calculation of all net anthropogenic GHG removals and emissions for all included sinks and sources for the entire Crediting Period.
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	Project files;
Verifier/Validator Findings - Initial	Ex-ante estimates were provided for the project. Within the "FVS_Carbon" tab of wp live tree proj ChesMt.xlsx, the VVB could not determine the differences between the VVB's calculated values (ABGB) for CoveHW5 and UplandHW6 in FVS outputs. While other cases only had a small difference likely due to FVS version differences, the two cases noted above had 150%+ differences.
Round 1 NCR/CL/OFI	CL: Please ensure that the CoveHW5 and UplandHW6 values (ABGB) in the "FVS_Carbon" tab of wp live tree proj ChesMt.xlsx are correctly sourced from the correct FVS run. A call with the VVB may be necessary to determine the differences noted.
Round 1 Response from Project Proponent	In the new model run we have confirmed that the values in the wp simulation are correctly sourced for CoveHW5 and UplandHW6. Note that the new model runs apply the latest FVS version, which may reconcile the noted difference. We do note that the 20 year growth projection is significantly less using the new version.
Verifier/Validator Findings - Round 1	The VVB was able to confirm the CoveHW5 and UplandHW6 values (ABGB) in the "FVS_Carbon" tab of wp live tree proj ChesMt rev1.xlsx. This item is addressed, pending precedents.
Round 2 NCR /CL/OFI	
Round 2 Response from Project Proponent	
Verifier/Validator Findings - Round 2	This was done appropriately, pending precedents. See data checks.
Round 3 NCR /CL/OFI	

Round 3 Response from Proponent	
Verifier/Validator Findings - Round 3	This was done appropriately. This item is addressed.

Item Number	32.1
ACR - Improved Forest Management Methodology for Quantifying GHG Removals and Emission Reductions through Increased Forest Carbon Sequestration on Non-Federal U.S. Forestlands - Version 1.3 April 2018	BUF The non-permanence buffer deduction as calculated in Section B5. BUF will be set to zero if an ACR approved insurance product is used.
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	Project files;
Verifier/Validator Findings - Initial	This was done appropriately, pending precedents. See data checks.
Round 1 NCR/CL/OFI	[Previously pending]
Round 1 Response from Project Proponent	[Previously pending]
Verifier/Validator Findings - Round 1	The VVB reviewed the calculation of the non-permanence buffer deduction calculated in the "ACR IFM calc template" tab of ACR_Calcs ChesMt rev1.xlsx. It was noted that the calculation of the non-permanence buffer deduction utilized the leakage value instead of the risk buffer percentage. Also, the buffers as calculated include negative buffer amounts. It is the understanding of the VVB that buffer contributions cannot be negative in this instance.
Round 2 NCR /CL/OFI	CL: Please clarify the noted discrepancies in the risk buffer calculations.
Round 2 Response from Project Proponent	
Verifier/Validator Findings - Round 2	This has been corrected. This item is addressed, pending precedents.
Round 3 NCR /CL/OFI	
Round 3 Response from Project Proponent	

Verifier/Validator Findings - Round 3	This was done appropriately. This item is addressed.
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Item Number	33
FVS Review	FVS - Inventory Updates
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	Chestnut_FVSInputs_GrowForward_Initial.xlsx; Copy of BridgestoneSiteIndex_10-11-18_Aster GlobalCHECK_Initial.xlsx;
Verifier/Validator Findings - Initial	<p>The VVB reviewed the FVS modeling for the inventory update to 2018. Inputs were checked utilizing the ChesMt_Database.mdb database. The TreeInit table was confirmed. A couple of clarifications are requested on the StandInit table:</p> <ol style="list-style-type: none"> 1. Plot data sheets are requested that display the time-stamped date of inventory for each plot. 2. Location code 80812 (Clinch District of the GW/Jefferson NF) was utilized. However, the Daniel Boone and/or Cherokee National Forests are closer to the Project Area. <p>Site index was confirmed correct;</p> <p>The VVB confirmed the .key file was created and implemented correctly. Its final implementation is pending all precedents.</p>
Round 1 NCR/CL/OFI	<p>CL: Please provide plot data sheets or other raw plot data that displays a time stamp of the plot inventory dates.</p> <p>CL: Please clarify why the Clinch District of the GW/Jefferson NF was utilized in the StandInit table instead of the Daniel Boone and/or Cherokee National Forests.</p>
Round 1 Response from Project Proponent	<p>Response provided in "ChesMt verif round 1 response detail.doc"</p> <p>Time stamps are included in the raw inventory data file supplied by Panther Creek Forestry and submitted with this response in "Chestnut Mtn, Carbon Inventory RAW.xls"</p> <p>The FVS input database, and model runs, has been amended to identify Daniel Boone NF Stearns District (FVS SN code 80216) as the relevant locatio</p>
Verifier/Validator Findings - Round 1	<p>The raw inventory data was provided in the "Chestnut Mtn, Carbon Inventory RAW.xlsx" workbook. This provides reasonable assurance of the inventory dates ranging from June 2015-March of 2016, which are the same growing season. This item is addressed.</p> <p>The FVS run was not rerun with the correct location code. However, since the grown forward data passed a t-test with the VVB's field-collected data, and since the location code did not have a major effect on DBH in FVS (a difference of less than 0.05 inches), the VVB is reasonably assured that the inventory update no-management run is appropriate. This item is addressed.</p>

Item Number	34
FVS Review	FVS - Baseline NPV
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	
Verifier/Validator Findings - Initial	<p>The VVB reviewed the baseline NPV determination files. Please see data checks for confirmation and notes.</p> <p>Within the "SMZ thin 3", "SMZ thin 4", and the "SMZ thin 5" scenarios, it was noted that planting only occurred in 2018. The VVB is unsure of why planting occurred in 2018 when harvests occurred post-2018.</p> <p>A couple of clarifications are requested on the StandInit table:</p> <ol style="list-style-type: none"> 1. Plot data sheets are requested that display the time-stamped date of inventory for each plot. 2. Location code 80812 (Clinch District of the GW/Jefferson NF) was utilized. However, the Daniel Boone and/or Cherokee National Forests are closer to the Project Area.
Round 1 NCR/CL/OFI	<p>CL: Please clarify why planting only occurred in 2018 for the "SMZ thin 3", "SMZ thin 4", and the "SMZ thin 5" scenarios in the NPV determination FVS run.</p> <p>CL: Please provide plot data sheets or other raw plot data that displays a time stamp of the plot inventory dates.</p> <p>CL: Please clarify why the Clinch District of the GW/Jefferson NF was utilized in the StandInit table instead of the Daniel Boone and/or Cherokee National Forests.</p>
Round 1 Response from Project Proponent	Response provided in "ChesMt verif round 1 response detail.doc"

Verifier/Validator Findings - Round 1	<p>The raw inventory data was provided in the "Chestnut Mtn, Carbon Inventory RAW.xlsx" workbook. This provides reasonable assurance of the inventory dates ranging from June 2015-March of 2016, which are the same growing season. This item is addressed.</p> <p>The VVB reviewed the updated input database for NPV and baseline modeling (ChesMt2018_Database.mdb) received 28 February 2019. This was compared to the data input for the previous FVS NPV and baseline runs. The correct location code was utilized. Within the "FVS_Treelnit" table, it was noted that some trees were duplicated on plots 97, 98, 99, 100, and 101. It is unclear why these trees were duplicated, as they were not duplicated in the previous version of this database.</p> <p>The VVB ran the baseline NPV FVS run using the previously reviewed .key file to ensure that nothing had been updated other than the items noted. The run was input into the baseline NPV file, and returned the same rotation ages, except for Upland Hardwoods Lolbolly Rotation, which was confirmed as correct. Please see the baseline NPV sections of this workbook. This run is pending the precedent findings and requests.</p>
Round 2 NCR /CL/OFI	CL: Please clarify the noted duplication of trees within the "FVS_Treelnit" table of ChesMt2018_Database.mdb.
Round 2 Response from Project Proponent	Per communication with Aster Global, April 1 2019, the finding is in error and there are no duplicate tree records in plots 97, 98, 99, 100 and 101 (confirmed on inspection of base inventory dataset and Access database).
Verifier/Validator Findings - Round 2	<p>As noted in the response, the VVB held a phone conversation with the project developer in which the finding was discussed. During this call, it was noted that the VVB's finding was issued as a result of a data check error. The VVB updated the data check and confirmed that the FVS_Treelnit table was correctly input into the baseline run. This item is addressed.</p> <p>As such, the baseline FVS runs have been confirmed, pending the restrictive covenant finding.</p>
Round 3 NCR /CL/OFI	
Round 3 Response from Project Proponent	
Verifier/Validator Findings - Round 3	This was done appropriately. This item is addressed.

Item Number	35
FVS Review	FVS - Baseline
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	

Verifier/Validator Findings - Initial	<p>The VVB reviewed the baseline run files. Please see data checks for confirmation and notes. This is pending all precedent findings related to the input database, etc.</p> <p>Within the baseline run .key file (ChesMt2018bsl2.key), it was noted that the "CoveHW7", "CoveHW11", "UplandHW8", and the "UplandHW12" cases plant longleaf pine instead of loblolly pine.</p> <p>Within the "SMZ4" scenario, it is unclear why sprouting is set for 2018 for all thinnings.</p>
Round 1 NCR/CL/OFI	<p>CL: Please clarify why longleaf pine is planted instead of loblolly in the noted cases.</p> <p>CL: Please clarify why sprouting is set at 2018 for all thinnings, regardless of their year in the "SMZ4" case in the baseline FVS projection.</p>
Round 1 Response from Project Proponent	Response provided in "ChesMt verif round 1 response detail.doc"
Verifier/Validator Findings - Round 1	<p>The VVB reviewed the updated baseline run NPV .key file (ChesMt2018bsl2_rev1.key). This file was compared to the previous .key file. It was noted that the longleaf pine plantings were changed to loblolly pine. This item is addressed.</p> <p>The VVB reviewed the implementation of the Plant and Natural keywords, given the clarifying language provided. A review of FVS documentation determined that sprouting occurs automatically in FVS-SN. Further, the keyword referenced in the finding does not have any planting or sprouting defined. Thus, the VVB is reasonably assured that the sprouting in SMZ4 as defined in the request does not affect the baseline projections. This item is addressed.</p> <p>The VVB ran the updated .key file (ChesMt2018bsl2_rev1.key) and compared outputs. The outputs matched, thus providing reasonable assurance that the baseline modeling was correctly implemented. This is pending any precedents.</p>
Round 2 NCR /CL/OFI	
Round 2 Response from Project Proponent	
Verifier/Validator Findings - Round 2	This item is now pending the request pertaining the restrictive covenants.
Round 3 NCR /CL/OFI	
Round 3 Response from Project Proponent	

Verifier/Validator Findings - Round 3	This was done appropriately. This item is addressed.
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Item Number	36
FVS Review	FVS Files for Baseline NPV;
Evidence Used to Assess (Location in PD, MR or Supporting Documents)	
Verifier/Validator Findings - Initial	<p>The VVB reviewed the with-project run files. Please see data checks for confirmation and notes. This is pending all precedent findings related to the input database, etc.</p> <p>It in unclear to the VVB why no FVS planting or sprouting occurred in the with-project scenario.</p>
Round 1 NCR/CL/OFI	CL: Please clarify why no planting occurred in the with-project FVS projection.
Round 1 Response from Project Proponent	Response provided in "ChesMt verif round 1 response detail.doc"
Verifier/Validator Findings - Round 1	The updated with-project FVS projections now include planting of shortleaf in the shortleaf stratum. Further, as documented elsewhere in this checklist, sprouting occurs automatically in FVS-SN. As such, this item is addressed, pending precedents.
Round 2 NCR /CL/OFI	
Round 2 Response from Project Proponent	
Verifier/Validator Findings - Round 2	This item is now pending the request pertaining the restrictive covenants.
Round 3 NCR /CL/OFI	
Round 3 Response from Project Proponent	
Verifier/Validator Findings - Round 3	This was done appropriately. This item is addressed.

Appendix B – List of Documents Received and Reviewed by Aster Global

Documents received 16 November 2018

- 2018 monitoring
 - ChestnutMtn_MonitoringReport_2018.docx
 - ACR_Calcs ChesMt Dec2018 MonitoringReport.xlsx
 - Chestnut Mtn inventory GROWN Dec2018.xlsx
 - ChestnutMtn_MonitoringReport_2018 APPENDIX.docx
- env and community
 - TNC FSC FM reassess 18 (1).pdf
 - Chestnut Mountain FMP FINAL for FSC audit 12.6.17.docx
- FVS
 - ChesMt2018wpOUT.xls
 - BridgestoneSiteIndex_10-11-18.xlsx
 - ChesMt GROWN inventory data for FVS.xlsx
 - ChesMt inventory data for FVS.xlsx
 - ChesMt_Database.mdb
 - ChesMt2015nomgt.key
 - ChesMt2015nomgt.out
 - ChesMt2015nomgtOUT.xls
 - ChesMt2018_Database.mdb
 - ChesMt2018bsl2.key
 - ChesMt2018bsl2.out
 - ChesMt2018bsl2OUT.xls
 - ChesMt2018NPV.key
 - ChesMt2018NPV.out
 - ChesMt2018NPVOUT.xls
 - ChesMt2018wp.key
 - ChesMt2018wp.out
- GIS
 - Bridgestone Carbon2015 Plots
 - Bridgestone_Carbon2015layout.shx
 - Bridgestone_Carbon2015layout.dbf
 - Bridgestone_Carbon2015layout.prj
 - Bridgestone_Carbon2015layout.shp
 - Chestnut MTN FinalStratum
 - Chestnut_MTN_Stratum.shx
 - Chestnut_MTN_Stratum.cpg
 - Chestnut_MTN_Stratum.dbf
 - Chestnut_MTN_Stratum.prj
 - Chestnut_MTN_Stratum.sbn
 - Chestnut_MTN_Stratum.sbx
 - Chestnut_MTN_Stratum.shp
 - Chestnut_MTN_Stratum.shp.xml
 - Chestnut Mtn Project Area Boundary
 - Chestnut_Mtn_Boundary_region.shx
 - Chestnut_Mtn_Boundary_region.dbf
 - Chestnut_Mtn_Boundary_region.prj
 - Chestnut_Mtn_Boundary_region.shp
- Inventory
 - Final Carbon Cruise Specs Chestnut Mountain Dec 2015- Jan 2017.pdf

- Chestnut Mtn Inventory DATA.xlsx
- Chestnut Mtn inventory GROWN Jun2018.xlsx
- NPV
 - TENNESSEE 1Q2018.pdf
 - 2018 prop tax.pdf
 - NPV ChesMt.xlsx
- ACR_Calcs ChesMt.xlsx
- bsl2 hwp proj ChesMt.xlsx
- bsl2 live tree proj ChesMt.xlsx
- bsl2 snag proj ChesMt.xlsx
- ChesMt Project GHG Plan2Nov.docx
- NPV additionality ChesMt.xlsx
- wp hwp proj ChesMt.xlsx
- wp live tree proj ChesMt.xlsx

Documents received 04 December 2018

- verif plot test ChesMt.xlsx

Documents received 05 December 2018

- Address and directions and house instructions for Chestnut Preserve.docx

Documents received 08 January 2019

- Chestnut_MTN_2016_carbonplot_progress.pdf

Documents received 11 January 2019

- Cochran 1977 p135.jpg
- nrs_2012_microberts_002.pdf

Documents received 28 February 2019

- ChestnutMtn_Round1Responses
 - Chestnut_Mtn_StrataMap_Revised
 - Chestnut_Mtn_StrataMap_Revised.cpg
 - Chestnut_Mtn_StrataMap_Revised.dbf
 - Chestnut_Mtn_StrataMap_Revised.prj
 - Chestnut_Mtn_StrataMap_Revised.sbn
 - Chestnut_Mtn_StrataMap_Revised.sbx
 - Chestnut_Mtn_StrataMap_Revised.shp
 - Chestnut_Mtn_StrataMap_Revised.shp.xml
 - Chestnut_Mtn_StrataMap_Revised.shx
 - FVS
 - ChesMt2018_Database.mdb
 - ChesMt2018bsl2_rev1OUT.xls
 - ChesMt2018NPV_rev1_OUT.xls
 - Chestnut Mtn inventory GROWN Dec2018 rev1.xlsx
 - Chestnut Mtn inventory GROWN Jun2018 rev1.xlsx
 - NPV ChesMt rev1.xlsx
 - supporting docs
 - Chestnut_Mtn_StrataMap_Rev2
 - Chestnut_Mtn_StrataMap_Rev2.cpg
 - Chestnut_Mtn_StrataMap_Rev2.dbf

- Chestnut_Mtn_StrataMap_Rev2.prj
- Chestnut_Mtn_StrataMap_Rev2.sbn
- Chestnut_Mtn_StrataMap_Rev2.sbx
- Chestnut_Mtn_StrataMap_Rev2.shp
- Chestnut_Mtn_StrataMap_Rev2.shp.xml
- Chestnut_Mtn_StrataMap_Rev2.shx
- plot locs shape files
 - Bridgestone_CFI_point_orig.dbf
 - Bridgestone_CFI_point_orig.prj
 - Bridgestone_CFI_point_orig.shp
 - Bridgestone_CFI_point_orig.shx
 - Bridgestone_CFI_point_updated.dbf
 - Bridgestone_CFI_point_updated.prj
 - Bridgestone_CFI_point_updated.shp
 - Bridgestone_CFI_point_updated.shx
- Project_Area_Revised21519
 - Project_Area_Revised21519.cpg
 - Project_Area_Revised21519.dbf
 - Project_Area_Revised21519.prj
 - Project_Area_Revised21519.sbn
 - Project_Area_Revised21519.sbx
 - Project_Area_Revised21519.shp
 - Project_Area_Revised21519.shx
- Annual-TNC-Chestnut Mountain Improved Forest Management Project Attestation 12.17.18.pdf
- Bridgestone Deed in - Quitclaim Deed - recorded.pdf
- Bridgestone Survey by Michael Stump (1).pdf
- Bridgestone Survey by Michael Stump.pdf
- Conservation Compatible Human or Economic Use SOP.pdf
- LEakage Finding TNC chusop_guidance_1_27_09.doc
- Norris Bros. Extension Request (21.7 KB).msg
- Re GIS Info (4.33 KB).msg
- The Nature Conservancy (Worldwide Office) FSC FM_COC Certificate 11.2.2019.pdf
- TNC FSC FM Audit Information Request Form 2019 Oct 2018 final.pdf
- ACR_Calcs ChesMt Dec2018 MonitoringReport rev1.xlsx
- ACR_Calcs ChesMt rev1.xlsx
- bsl2 hwp proj ChesMt rev1.xlsx
- bsl2 live tree proj ChesMt rev1.xlsx
- bsl2 snag proj ChesMt rev1.xlsx
- ChesMt Project GHG Plan rev1.docx
- ChesMt verif round 1 response detail.docx
- Chestnut Mtn, Carbon Inventory RAW.xlsx
- ChestnutMtn_MonitoringReport_2018 APPENDIX rev1.docx
- ChestnutMtn_MonitoringReport_2018 rev1.docx
- Final Carbon Cruise Specs Chestnut Mountain Dec 2015- Jan 2017 rev1.docx
- NPV additionality ChesMt rev1.xlsx
- NPV ChesMt rev1.xlsx
- VO18031_00_TNC Chestnut Mtn_ACR_Round1 Findings_20190129 responses.xlsx
- wp hwp proj ChesMt rev1.xlsx

- wp live tree proj ChesMt rev1.xlsx
- ChesMt verif round 1 response detail.docx
- VO18031_00_TNC Chestnut Mtn_ACR_Round1 Findings_20190129 responses.xlsx

Documents received 04 March 2019

- ChestnutMtn CommonPracticeCalcs 2-6-19.xlsx

Documents received 06 March 2019

- FVS
 - ChesMt2018_Database.mdb
 - ChesMt2018bsl2_rev1.key
 - ChesMt2018bsl2_rev1.out
 - ChesMt2018bsl2_rev1OUT.xls
 - ChesMt2018NPV_rev1.key
 - ChesMt2018NPV_rev1.out
 - ChesMt2018NPV_rev1_OUT.xls
 - ChesMt2018wp_rev1.key
 - ChesMt2018wp_rev1.out
 - Chestnut Mtn inventory GROWN Dec2018 rev1.xlsx
 - Chestnut Mtn inventory GROWN Jun2018 rev1.xlsx
 - NPV ChesMt rev1.xlsx

Documents received 01 April 2019

- ChestnutMtn Round2Responses
 - Chestnut_Mtn_StrataMap_Rev3
 - Chestnut_Mtn_StrataMap_Rev3.cpg
 - Chestnut_Mtn_StrataMap_Rev3.dbf
 - Chestnut_Mtn_StrataMap_Rev3.prj
 - Chestnut_Mtn_StrataMap_Rev3.sbn
 - Chestnut_Mtn_StrataMap_Rev3.sbx
 - Chestnut_Mtn_StrataMap_Rev3.shp
 - Chestnut_Mtn_StrataMap_Rev3.shp.xml
 - Chestnut_Mtn_StrataMap_Rev3.shx
 - ACR_Calcs ChesMt Dec2018 MonitoringReport rev2.xlsx
 - ACR_Calcs ChesMt rev2.xlsx
 - bsl2 hwp proj ChesMt rev2.xlsx
 - bsl2 live tree proj ChesMt rev2.xlsx
 - bsl2 snag proj ChesMt rev2.xlsx
 - ChesMt Project GHG Plan rev2.docx
 - Chestnut Mtn inventory GROWN Dec2018 rev2.xlsx
 - Chestnut Mtn inventory GROWN Jun2018 rev2.xlsx
 - ChestnutMtn CommonPracticeCalcs 2-6-19 rev2.xlsx
 - ChestnutMtn_MonitoringReport_2018 APPENDIX rev2.docx
 - ChestnutMtn_MonitoringReport_2018 rev2.docx
 - NPV additionality ChesMt rev2.xlsx
 - VO18031_00_TNC Chestnut Mtn_ACR_Round2 Findings_20190312 TC response.xlsx
 - wp hwp proj ChesMt rev2.xlsx
 - wp live tree proj ChesMt rev2.xlsx
 - Assignment of Declaration of Restrictive Covenants June 5 2018.pdf

Documents received 14 May 2019

- Ches Mt Round 3 response.docx
- VO18031_00_TNC Chestnut Mtn_ACR_Round3 Findings_20190416.xlsx
- Chest_Mtn_FindingsRound3
 - FVS
 - ChesMt2018bsl2_rev2.key
 - ChesMt2018bsl2_rev2.out
 - ChesMt2018bsl2_rev2OUT.xls
 - ChesMt2018NPV_rev2.key
 - ChesMt2018NPV_rev2.out
 - ChesMt2018NPV_rev2_OUT.xls
 - ChesMt2018rev_Database.mdb
 - ChesMt2018wp_rev2.key
 - ChesMt2018wp_rev2.out
 - ChesMt2018wp_rev2OUT.xls
 - GIS
 - Chestnut_Mtn_StrataMap_Rev05092019
 - Chestnut_Mtn_StrataMap_Rev05092019.cpg
 - Chestnut_Mtn_StrataMap_Rev05092019.dbf
 - Chestnut_Mtn_StrataMap_Rev05092019.prj
 - Chestnut_Mtn_StrataMap_Rev05092019.sbn
 - Chestnut_Mtn_StrataMap_Rev05092019.sbx
 - Chestnut_Mtn_StrataMap_Rev05092019.shp
 - Chestnut_Mtn_StrataMap_Rev05092019.shp.xml
 - Chestnut_Mtn_StrataMap_Rev05092019.shx
 - ACR_Calcs ChesMt Dec2018 MonitoringReport rev3.xlsx
 - ACR_Calcs ChesMt rev3.xlsx
 - bsl2 hwp proj ChesMt rev3.xlsx
 - bsl2 live tree proj ChesMt rev3.xlsx
 - bsl2 snag proj ChesMt rev3.xlsx
 - Ches Mt Round 3 response.docx
 - ChesMt Project GHG Plan rev3.docx
 - Chestnut Mtn inventory GROWN Dec2018 rev3.xlsx
 - Chestnut Mtn inventory GROWN Jun2018 rev3.xlsx
 - Chestnut_Mtn_ParcelMap_Revised5719.png
 - Chestnut_Mtn_StrataMap_Revised5719.png
 - ChestnutMtn CommonPracticeCalcs rev3.xlsx
 - ChestnutMtn_MonitoringReport_2018 APPENDIX rev3.docx
 - ChestnutMtn_MonitoringReport_2018 rev3.docx
 - NPV additionality ChesMt rev3.xlsx
 - NPV ChesMt rev2.xlsx
 - VO18031_00_TNC Chestnut Mtn_ACR_Round3 Findings_20190416.xlsx
 - wp hwp proj ChesMt rev3.xlsx
 - wp live tree proj ChesMt rev3.xlsx

Documents received 01 June 2019

- ChesMt Project GHG Plan rev4.docx