



ENVIRONMENTAL SERVICES, INC.

Climate Action Reserve Forest Project Protocol Version 3.1 Site Visit Project Verification Report

22 December 2017 (v2)

Blue Source – Alligator River Avoided Conversion Project (CAR497)

For the Reporting Period:
01 January 2016 – 31 December 2016

Project Developer/Forest Owner:
Mattamuskeet Ventures I, LLC

Verification Conducted by:
Environmental Services, Inc.
Forestry, Carbon, and GHG Services Division
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Project Number: VO17036.00



Table of Contents

1	EXECUTIVE SUMMARY	3
2	INTRODUCTION	4
2.1	Project Developer Contact Information	4
2.2	Verification Team Contact Information, Including Roles and Responsibilities	4
2.3	Project Description.....	5
3	VERIFICATION DETAILS	5
3.1	Verification Objective.....	5
3.2	Verification Scope.....	5
3.3	Verification Criteria:	6
3.4	Verification Level of Assurance:	6
3.5	Verification Materiality Threshold:	7
4	VERIFICATION PROCESS	7
4.1	Attestation of Title	8
4.2	Regulatory Compliance.....	8
4.3	Voluntary Implementation	9
4.4	Maintenance of Standing Live Carbon Pool	9
4.5	Estimates of Actual Onsite Carbon Stocks	9
4.6	Estimates of Actual Carbon in Harvested Wood Products	10
4.7	Quantification of Primary Effect.....	10
4.8	Quantification of Secondary Effect.....	10
4.9	Reversal Determination.....	10
4.10	Reversal Risk Rating.....	11
4.11	Review of PIA Amendment.....	11
4.12	Natural Forest Management.....	11
4.13	Meetings/Interviews.....	11
4.14	Site Visit.....	12
4.15	Verification Milestones.....	12
5	VERIFICATION FINDINGS	13
6	VERIFICATION STATEMENT	13
7	VERIFICATION RESULTS / CONCLUSION.....	14
	APPENDIX A – Documents Received/Reviewed	15

1 EXECUTIVE SUMMARY

Environmental Services, Inc., (ESI) was contracted by Blue Source, LLC (Project Developer) to perform the Climate Action Reserve (Reserve) 2016 site visit project verification of *Blue Source – Alligator River Avoided Conversion Project (CAR497)* Avoided Conversion (AC) project. The verification process closely followed the Reserve's Forest Project Protocol Version 3.1 (22 October 2009), ISO14064-3:2006, and ISO 14065:2007.

Specifically, the project verification included the review of the requirements outlined in the Climate Action Reserve, Forest Project Protocol Version 3.1 (22 October 2009), for a site visit verification. The verification included a comprehensive review of the following items: Attestation of Title, Voluntary Implementation and Regulatory Compliance; determination of reversals; review of reversal risk rating; estimates of annual carbon in harvested wood products; confirmation and/or changes to project boundary; project emissions; estimation of actual onsite carbon stocks; maintenance of standing live carbon pools; quantification of primary and secondary effects; monitoring efforts; confidence levels for inventory data; status and progress on meeting criteria for sustainable harvesting and Natural Forest Management Practices; and adherence to the project-level principals (relevance, completeness, consistency, accuracy, transparency, conservativeness).

After review of all project information, procedures, calculations, and supporting documentation, ESI confirms that the *Blue Source – Alligator River Avoided Conversion Project (CAR497)* Avoided Conversion (AC) project is accurate and consistent with all aforementioned Reserve criteria and requirements for the reporting period of 01 January – 31 December 2016. ESI confirms all verification activities – including objectives, scope and criteria, level of assurance, and project documentation – to be complete and in adherence to the Reserve's Forest Project Protocol V3.1 as documented in this report. ESI concludes without any qualifications or limiting conditions that the *Blue Source – Alligator River Avoided Conversion Project (CAR497)* project meets the requirements of the Reserve.

The GHG assertion provided by Blue Source and verified by ESI has resulted in the GHG emission reduction or removal of 19,946 total gross tCO₂ equivalents by the project during the verification period (01 January 2016 – 31 December 2016).

2 INTRODUCTION

This annual verification report is prepared in accordance with the outlined requirements of the Climate Action Reserve (Reserve) Forest Project Protocol (FPP) Version 3.1 (22 October 2009). Environmental Services, Inc., (ESI) presents Annual Desktop project verification findings of *Blue Source – Alligator River Avoided Conversion Project (CAR497)*. The Forest Owner is Mattamuskeet Ventures I, LLC, and the Project Developer is Blue Source, LLC.

The project verification was conducted as part of the Reserve's program requirements for Greenhouse Gas (GHG) offset projects. ESI is accredited by the American National Standards Institute (ANSI) under ISO14065:2007 for greenhouse gas validation and verification bodies, including ISO 14064-3:2006, ISO 14065:2007, and validation/verification of assertions at the project level for Land Use and Forestry (Group 3). ESI is approved to perform verifications for the Reserve.

2.1 Project Developer Contact Information

Forest Owner:	Mattamuskeet Ventures I, LLC c/o William G. Blount 700 4 th Ave. Englehard, NC 27824 (252) 758-1081 wgblount@gmail.com
Project Developer:	Blue Source, LLC c/o Joshua Strauss, Project Implementation Lead 1935 E. Vine Street Suite 300 Murray, UT 84121 (949) 233-1501 jstrauss@bluesource.com

2.2 Verification Team Contact Information, Including Roles and Responsibilities

Accredited Verification Entity: Environmental Services, Inc.	Shawn McMahon – Lead Verifier (smcmahon@esinc.cc / 330-833-9941) Richard Scharf – Verification Team Member (rscharf@esinc.cc / 252-402-7354) Matthew Perkowski – Verification Team Member (mperkowski@esinc.cc / 301-332-0771) Eric Jaeschke – Verification Team Member (ejaeschke@esinc.cc / 703-314-9064) Aaron Holley – Verification Team Member (aholley@esinc.cc / 681-285-5371) Guy Pinjuv - Senior Internal Reviewer (gpinjuv@esinc.cc / 503-459-1318)
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2.3 Project Description

ESI was contracted by Blue Source to perform the Reserve’s Site Visit project verification of *Blue Source – Alligator River Avoided Conversion Project (CAR497)*, which falls under the Climate Action Reserve Forest Project Protocol Version 3.1 (22 October 2009).

The objective of the Alligator River project developed by Blue Source is to generate carbon offset credits by avoiding the draining and conversion of forestland to agriculture. The project was initiated on 14 May 2010 when a permanent conservation easement was transferred. The Alligator River property sequesters carbon through avoided conversion, as well as providing “additional environmental benefits in the form of wetland conservation and protection of habitat bordering the Alligator River National Wildlife Refuge.”¹

The project consists of 2,308 acres in the tidewater region of Hyde County of northeastern North Carolina. The forests are composed of stands of uneven-aged native species of pine and bottomland hardwood. The project area is situated in the Northern Atlantic Coastal Plain Supersection and falls within the Swamp Hardwood and Cypress Assessment Area. Factors from the Northern Atlantic Coastal Plain Supersection were used for project calculations.

3 VERIFICATION DETAILS

3.1 Verification Objective

The verification objective is to ensure the project is in continued compliance with Reserve criteria (*Reserve Forest Project Protocol, Version 3.1, October 2009*). ESI will assess the GHG emission removals. ESI will notify the client of any significant changes to the GHG protocol requirements (Reserve) that may affect the client’s objectives, which occur after the signing of this contract up and until the completion of the verification report and statement. However, it is the primary responsibility of the client or client representative (consultants, foresters, brokers, etc.) to ensure that they are using the most appropriate version of the Reserve Standard.

3.2 Verification Scope

The scope of a verification generally includes the GHG project; 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 verification scope is defined by the project boundary, the carbon reservoir types, management activities, growth and yield models, inventory program, and contract periods. Verification scope may also extend to any non-project client-owned, commercially managed lands to verify their sustainable certification. The scope should define the primary and secondary effects of the GHG assessment boundary by indicating the forest carbon stock and emission categories as being required or optional. The scope of the CAR497 – Alligator River Avoided Conversion project was outlined by Blue Source, LLC, prior to this Verification and Sampling Plan and is re-defined as follows for the GHG project:

Baseline Scenario:	The baseline for Avoided Conversion projects is a projection of onsite forest carbon stock losses that would have occurred over time due to the conversion of the
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¹ Alligator River PDD, Introduction



	Project Area to a non-forest land use. The baseline condition is defined as the deforestation, draining and conversion of the Project Area for agricultural use. In particular, vegetation would have been cleared and the muck soils in the Project Area would have been drained to a depth of 4-6 feet to prepare the site for agricultural production.
Activities/Technologies/Processes:	Avoided Conversion
GHG Assessment Boundary (Sources/Sinks/Reservoirs):	AC-1 Standing Live AC-3 Standing Dead AC-4 Lying Dead Wood Carbon AC-6 Soil Carbon AC-7 Carbon in in-use forest products AC-8 Forest product carbon in landfills AC-9 Biological emissions from site preparation activities AC-13 – Biological emissions from clearing of forestland outside the Project Area AC-17 – Biological emissions from decomposition of forest products
GHG Type:	CO ₂
Time Period:	Project Start Date: 14 May 2010 Verification Period: 01 January 2016 – 31 December 2016
Project Boundary:	Located in Hyde County, North Carolina, within the boundaries of a 2,372-acre Project Area (2,308-acre without roads and canals) that is bordered by agricultural fields and the US Fish and Wildlife Service Alligator River National Wildlife Refuge. The Project Area is located within the Northern Atlantic Coastal Plain—Swamp Hardwood and Cypress Forest Assessment Area and the forest is a mixture of pine and bottomland hardwoods species.

3.3 Verification Criteria:

The criteria followed the program and verification guidance documents provided by the Reserve located at <http://www.climateactionreserve.org/>. These documents include:

- Climate Action Reserve’s Forest Project Protocol Version 3.1 (October 2009)
- Forest Project Verification Protocol Version 3.0 (September 2009)
- Climate Action Reserve Program Manual (01 September 2015)
- Methodology to Verify Soil Carbon Estimates on Avoided Conversion Projects (April 2011)
- Updated Avoided Conversion Guidance with Soils (October 2011)
- Protocol Resources, such as Biomass Equations, Assessment Area Data, Forest Project Forms, and Forest Project Baseline Determination, as updated on the Reserve website
- Verification Program Manual (08 February 2017)

3.4 Verification Level of Assurance:

The level of assurance is used to determine the depth of detail that the verifier places in the verification plan to determine if there are any errors, omissions, or misrepresentations (ISO 14064-



3:2006). For Reserve verifications, ESI will select samples of data and information to be verified to provide *reasonable assurance* but not *absolute assurance* and to meet the materiality requirements of the specific project (Forest Project Verification Protocol Version 3.0, September 2009). Sample size will be determined based upon the guidance provided in the *Reserve's Forest Project Protocol Version 3.1 (October 2009)* and project parameters and will be outlined in the following sections. According to the Reserve, reasonable assurance indicates that there is a “remote likelihood that material misstatements will not be detected on a timely basis.”

3.5 Verification Materiality Threshold:

Materiality is a concept that errors, omissions and misrepresentations could affect the GHG reduction assertion and influence the intended users (ISO 14064-3:2006). Based on the Reserve's verification manual, verification bodies must form a view on the materiality of all identified issues, errors, or uncertainties. ESI will classify each issue as material (significant) or immaterial (insignificant). All GHG emission removals submitted to the Reserve must be free from material misstatements or discrepancies.

Quantitative materiality threshold as defined by the Reserve:

- Projects registering 25,000 CRTs or less (expressed in terms of CO₂e) annually shall achieve greater than +95% accuracy level (less than 5% error) relative to the verification body's calculated emission reductions
- Projects registering greater than 25,000 CRTs but less than or equal to 100,000 CRTs (expressed in terms of CO₂e) annually shall achieve greater than +97% accuracy level (less than 3% error) relative to the verification body's calculated emission reductions
- Projects registering more than 100,000 CRTs (expressed in terms of CO₂e) annually shall achieve greater than +99% accuracy level (less than 1% error) relative to the verification body's calculated emission reductions.

For this project, the quantitative materiality threshold will be 5%.

Qualitative materiality threshold as defined by the Reserve:

“Any non-conformance related to a prescriptive requirement outlined the protocol would be considered material and must be corrected in order for the project to receive a positive Verification Statement. A prescriptive requirement relates to any specific guidance or requirement mandated by the protocol itself that does not allow for deviation, or for verifier professional judgment.”

4 VERIFICATION PROCESS

The verification process closely followed the guidance provided by the Climate Action Reserve FPP V3.1, Verification Program Manual (08 February 2017), and Program Manual (01 September 2015), as well as ISO14064-3 and ISO 14065, and the ESI Management System and Management System Manual (v13), Section V.3.

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 *Reserve Forest Project Protocol Version 3.1 (22 October 2009)*. The verification included a comprehensive review of the following items: Attestation of Title, Voluntary Implementation and Regulatory Compliance; determination of reversals; review of reversal risk rating; estimates of annual carbon in harvested wood products; confirmation and/or changes to project boundary; project emissions; estimation of actual onsite carbon stocks; maintenance of



standing live carbon pools; quantification of primary and secondary effects; monitoring efforts; confidence levels for inventory data; status and progress on meeting criteria for sustainable harvesting and Natural Forest Management Practices; and adherence to the project-level principals (relevance, completeness, consistency, accuracy, transparency, conservativeness).

ESI's annual desktop project verification included components required to confirm the project's continued compliance and implementation with Reserve Criteria and the PDD. The verification process was generally broken down into the following verification items:

- Review of Attestation of Title, ownership and claims to GHG reductions/removals
- Review of the Attestation of Voluntary Implementation
- Review of Attestation of Regulatory Compliance and confirmation
- Confirm that no decrease has occurred in the Project Area's Standing Live Carbon Stocks over any ten-year consecutive periods not accounted for by allowable exceptions
- Review reported estimates of actual onsite carbon stocks and estimates of actual carbon in Harvested Wood Products
- Review of status and progress on natural forest management and sustainable harvesting requirements
- Review quantification of Primary and Secondary effects
- Determine if a reversal has occurred
- Confirm the Risk Rating calculation
- Review of the signed PIA amendment and waivers of recording requirement
- Confirm correct inventory update through modeling
- Confirm inventory methodology implementation and compliance through site visit

4.1 Attestation of Title

The verification team confirmed that the Attestation of Title was completed properly and submitted to the Reserve for the current verification period. This attestation was signed by William G. Blount, Executive Officer of Mattamuskeet Ventures I, LLC on 24 October 2017.

The landowner in fee is Mattamuskeet Ventures I, LLC. As documented in Section I of the Monitoring Report, Mattamuskeet Ventures I, LLC has indicated that no change in ownership has occurred in the project area and that no additional landholdings have been acquired by the landowner within the Assessment Area in which the project falls.

Review of project title materials and internet research confirms with reasonable assurance that both the project area ownership, and Mattamuskeet Ventures I, LLC ownership within the Northern Atlantic Coastal Plain – Swamp Hardwood and Cypress Assessment Area, has remained unchanged during the reporting period of 01 January 2016 – 31 December 2016.

4.2 Regulatory Compliance

The verification team confirmed that appropriate Attestations of Regulatory Compliance are on file with the Reserve for the reporting periods of 01 January 2016 – 31 December 2016. The attestation was signed by William G. Blount, Executive Officer of Mattamuskeet Ventures I, LLC on 24 October 2017.

An email received by Chris Sullivan, Senior Area Forester with the Virginia Department of Forestry (VADOFF) on 17 April 2014 confirmed that TNC remains in legal compliance with all relevant laws and regulations that the VADOFF enforces. As no new harvesting occurred during the verification



period, the project is in compliance with Virginia state regulations on forest operations. No violations of the Virginia Silvicultural Water Quality Law, Code of Virginia § 10.1-1181.1, or water quality impairment by harvest sedimentation were reported.

No harvests were planned or implemented within the Project Area during the reporting period. This was confirmed through site visit observations as well as aerial imagery review. Given that no harvests were undertaken during the reporting period, the verifiers were further assured that the project was in regulatory compliance.

Further, ESI's own risk-based internal review of any applicable federal laws (i.e. Endangered Species Act, Clean Water Act) did not yield additional results. Correspondence with USDA confirmed that the project was in compliance with its WRP easement.

Thus, the verification team concludes with reasonable assurance that the Reserve's requirements for regulatory compliance during the verification period have been met.

4.3 Voluntary Implementation

The verification team confirmed that the appropriate Attestation of Voluntary Implementation is on file with the Reserve for the reporting period of 01 January 2016 – 31 December 2016. The Attestation was signed by William G. Blount, Executive Officer of Mattamuskeet Ventures I, LLC.

Voluntary implementation of the project was further assessed against the previous verification effort where this element was reviewed and confirmed. Previously and currently, the verification team could find no laws or mandates (local, state or federal) that would require the project to be implemented.

4.4 Maintenance of Standing Live Carbon Pool

The verification team confirmed that there have been no decreases in the standing live carbon stocks estimates over any 10-year period since the project start date. This requirement was evidenced by the carbon stocking estimates in the Reserve's Monitoring Calculation worksheet and through the submitted Monitoring Report covering the reporting period of 01 January – 31 December 2016. The updated Monitoring Calculation worksheet, supporting calculations, and Monitoring Report were reviewed and show an increase in the standing live pool over the verification period. There has been no decrease in carbon stocks over any ten-year consecutive period.

Blue Source attested that no harvests or significant natural disturbances have occurred in the Project Area over the reporting period of 01 January 2016 – 31 December 2016. This was confirmed by reviewing high resolution imagery from 2016 and 2017. Additionally, an ocular assessment was performed by evaluating newest available high-resolution imagery to pre-verification period high resolution Google Earth imagery for disturbance patterns. Disturbance patterns are defined as harvest activities, vehicle tracks, bare ground, and linear patterns. No disturbance patterns or apparent harvesting were identified on the imagery.

4.5 Estimates of Actual Onsite Carbon Stocks

The project is using the same inventory data collected for the first reporting period, and updated carbon stock estimates were generated using this base inventory data. Since this reporting period required a site visit verification, the confidence deduction was updated to, and confirmed as 2.0%.

The first table in Section III of the Monitoring Report details the updated estimates of the project's carbon stocks. All annual updating of carbon stocks is performed using Forest Vegetation Simulator



(FVS) outputs. The inventory data was appropriately modeled using the Southern Variant of FVS,² an approved growth and yield model as per Appendix B of the Forest Project Protocol v3.1.

Harvest schedule worksheets containing carbon stock data for the verification period were reviewed and the end of the year 2016 on-site values were found to be adequately interpolated from the 10-year grow-only FVS outputs. The summarized FVS outputs were appropriately summarized and contain carbon stocking values properly quantified using the methodology defined in the Alligator River PDD. The results of the verification plot confirmed appropriate application of the carbon calculation methodology.

The confirmation of the validity of grown inventory data provides reasonable assurance that the currently reported on-site carbon stock values are within expected bounds given reported growth since the prior reporting period. All information including conversions and expansions were found to be true and accurate.

4.6 Estimates of Actual Carbon in Harvested Wood Products

As indicated in Section 4.4 above, Blue Source attested that no harvests occurred in the Project Area during the reporting period of 01 January – 31 December 2016. This was confirmed by reviewing high resolution imagery from 2016 and 2017. Additionally, an ocular assessment was performed by evaluating newest available high-resolution imagery to pre-verification period high resolution Google Earth imagery for disturbance patterns. Disturbance patterns are defined as harvest activities, vehicle tracks, bare ground, and linear patterns. No disturbance patterns or apparent harvesting were identified on the imagery.

Actual carbon in trees harvested wood products and in harvested wood products delivered to mills are appropriately counted as zero in the quantification of the primary effect. Thus, the reserve's requirements for the accounting of actual carbon in harvested wood products have been met.

4.7 Quantification of Primary Effect

The verification team performed an independent calculation of the primary effect, and found the results to match those reported in the Monitoring Calculation Worksheet submitted by Blue Source. The quantification of primary effect was calculated correctly and is in compliance with the Forest Project Protocol v3.1.

4.8 Quantification of Secondary Effect

The verification team performed an independent calculation of the secondary effect, and found the results to match those reported in the Monitoring Calculation Worksheet submitted by Blue Source. The quantification of the secondary effect was calculated correctly and is in compliance with the Forest Project Protocol v3.1. A 3.6% conversion displacement risk was applied.

4.9 Reversal Determination

No reversals or disturbance occurred during the current verification period (01 January - 31 December 2016) as written in the Monitoring Report. This was confirmed as indicated in Section 4.4 above.

² Keyser, C.E. 2010. Southern (SN) Variant Overview – Forest Vegetation Simulator. Internal Rep. U. S. Department of Agriculture, Forest Service, Forest Management Service Center. 69.

4.10 Reversal Risk Rating

The verification team confirmed that the reversal risk rating of 20.937% established during the initial verification was identical to the reversal risk rating being used for the current verification period.

4.11 Review of PIA Amendment

A current Project Implementation Agreement (PIA) is appropriately on file with the Reserve website for Hyde County. This agreement was signed by William G. Blount, Executive Officer of Mattamuskeet Ventures I, LLC on 20 December 2017.

4.12 Natural Forest Management

No harvests were implemented during the reporting period or planned within the Project Area. This was confirmed by reviewing aerial imagery from 2016 and 2017. Since no commercial timber harvesting was planned or initiated within the Project Area during the reporting period, no sustainability of timber resource demonstration was required.

The verification team confirmed that, due to the lack of harvests and previously verified inventory data, that the project consists of at least 95% native species. Further, site visit observations provided reasonable assurance that at least 95% native species compose the completed inventory.

The project is stratified by age class. The 10-19 year age strata classes accounted for 203 acres, or approximately 9% of the total project area. The verifiers independently calculated acreage on the strata shapefile provided, and noted that the 10-19 year age class stratum accounts for approximately 9% of the total forested acreage within the Project Area. This was supported by site visit observations and meets the requirement for maintaining no more than 40 percent of the Project Area's forested acres in ages less than 20 years.

4.13 Meetings/Interviews

During the course of the project verification, ESI and Blue Source held multiple meetings. The details of the meetings are briefly described in the table below:

Date	Attendees	Topics Discussed
15 August 2017	Shawn McMahon (ESI) Aaron Holley (ESI) Joshua Strauss (Blue Source)	Overall Verification Opening Meeting -Preliminary review of verification and sampling plan -Review of project timeframes and deadlines -Site visit logistics
28 August 2017	Aaron Holley (ESI) Ben Parkhurst (Blue Source)	Calculation Review Meeting -Carbon calculation methods -Calculations workflow
15 December 2017	Shawn McMahon (ESI) Joshua Strauss (Blue Source)	Closing meeting

4.14 Site Visit

ESI conducted an on-site assessment of the project area from the 18-21 September 2017. The site visit was used to review project records with representatives of Blue Source LLC, and Mattamuskeet Ventures I, LLC to discuss the calculation of carbon pools and sinks, and visit random portions of the ownership for reconnaissance to ground-truth the assertions of the Project Documentation and submitted data.

ESI confirmed project level estimates of carbon by comparing site visit verification inventory to the project inventory data. Project inventory data was projected forward using the growth and yield model FVS to the end of the reporting period. ESI directly compared their inventory with the project proponents reported inventories for each of the emissions years for the same stands using a minimum quality standard of 15%, and found the project to be compliant in all cases. The following is a detailed description of the comparisons conducted:

Carbon estimates derived from plot data collected by ESI during the site visit were compared to the Project Proponent's reported plot specific carbon estimates. Plots were selected from across the entire project area as described in the Project Verification and Sampling Plan, and as prescribed by the Reserve in Checklist 5.5 of the Forest Project Verification Protocol. Lying dead wood was sampled as part of the site visit and was included in the paired t-test described below.

ESI sampled the minimum number of plots (four highest stocked plots) required by the Forest Project Verification Protocol based on the Verification Field Intensity. ESI then ran a paired two sample for means t-test at the 80% confidence level, in which it was determined with a reasonable level of assurance that the sampled plots fell within the same population as the project's inventory.

While on site elements that affect the risk rating were also considered, and no substantial issues were identified. Boundaries were also spot checked and aspects that could impact legal compliance were considered. No issues with boundaries or legal compliance were found.

While on site, the verification team inspected riser boards as a means to determine if soil carbon has been decreased through drainage. While on site, an emergency water release was observed. This release of excess water as the result of a recent hurricane was not observed to affect soil saturation, as the water drained was above the regular water table and soil saturation levels. In response to the emergency water release, communications were established with the United States Department of Agriculture Natural Resources Conservation Service, the holder of the conservation easement on the property. These communications detailed that the Project Area remained in compliance with the WRP program rules. Thus, the verification team was reasonably assured that soil saturation levels were maintained.

4.15 Verification Milestones

The following table documents the main verification activities that occurred during the project verification process:

Project/Verification Activity	Date
ESI Internal Conflict of Interest (COI) process completed and approved (no issues).	05 July 2017
Reserve approval of NOVA/COI	02 August 2017



Opening meeting with Blue Source	15 August 2017
Submission of Draft Verification and Sampling Plan to Blue Source	16 August 2017
Receipt of Signed Verification and Sampling Plan from Blue Source	16 August 2017
Submission of Round 1 NCRs to Project Developer	02 October 2017
Submission of Round 2 NCRs to Project Developer	22 November 2017
Submission of Round 3 NCRs to Project Developer	06 December 2017
Submission of Round 4 NCRs to Project Developer	07 December 2017
Submission of Round 5 NCRs to Project Developer	07 December 2017
ESI completes Review	07 December 2017
Draft report and project information sent to Senior Independent Reviewer	08 December 2017
Draft verification report submitted to Blue Source for review	14 December 2017
Verification report submitted to the Reserve for review	15 December 2017

5 VERIFICATION FINDINGS

Through the course of this desktop review findings were issued; all items were satisfactorily addressed by Blue Source. The List of Findings has been compiled and is available under separate cover. The List of Findings is a confidential document between ESI (verifiers) and Blue Source (Project Developer) and is not publicly available.

After review of all project information, procedures, calculations, and supporting documentation, ESI confirms that *Blue Source – Alligator River Avoided Conversion Project (CAR497)* project, and the Monitoring Report for the verification period [dated 07 December 2017(01 January – 31 December 2016 reporting period)] are accurate and consistent with all aforementioned Reserve criteria and requirements. ESI confirms all verification activities, including objectives, scope and criteria, level of assurance, and project documentation to be complete and in adherence to the Reserve's Forest Project Protocol V3.1, as documented in this report. ESI concludes without any qualifications or limiting conditions that the *Blue Source – Alligator River Avoided Conversion Project (CAR497)* project meets the requirements of the Reserve for the reporting period of 01 January – 31 December 2016.

The GHG assertion provided by Blue Source and verified by ESI has resulted in the GHG emission reduction or removal of 19,946 tCO₂ equivalents by the project during the verification period (01 January 2016 – 31 December 2016).

6 VERIFICATION STATEMENT

This verification statement confirms that Environmental Services, Inc., has evaluated *Blue Source – Alligator River Avoided Conversion Project (CAR497)* project, its Project Design Document dated 06 May 2011, and the Monitoring Report for the verification period [dated 07 December 2017 (01 January – 31 December 2016 reporting period)] developed by Blue Source, LLC (Project Developer), according to the criteria outlined by the Climate Action Reserve, and that this verification statement is consistent with ISO 14064-3:2006 and ISO 14065:2007. The dates of the period evaluated for this verification are (01 January 2016 – 31 December 2016).

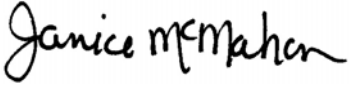
Environmental Services, Inc., confirms all verification activities including: objectives, scope and criteria, level of assurance, project design documentation, and project implementation to be complete and in adherence to the Reserve's Forest Project Protocol, Version 3.1 (22 October 2009) as documented in this verification report for the project entitled *Blue Source – Alligator River Avoided*



Conversion Project (CAR497), its Project Design Document dated 06 May 2011 and the Monitoring Report for the verification period [dated 07 December 2017 (01 January – 31 December 2016 reporting period)]. ESI concludes without any qualifications or limiting conditions that the *Blue Source – Alligator River Avoided Conversion Project (CAR497)* project is without material discrepancy; the verification activities provided a reasonable level of assurance; and that the project meets the requirements of the Reserve. The project produces 19,946 total gross CRTs before the 20.9% buffer withholding. Total cumulative net CRTs for the verification period 01 January 2012 to 31 December 2013 are 15,777 CRTs, as 4,169 CRTs will be contributed to the buffer pool.

7 VERIFICATION RESULTS / CONCLUSION

ESI confirms all verification activities including objectives, scope and criteria, level of assurance and the PDD to be complete and in adherence to the Reserve's Forest Project Protocol, Version 3.1 as documented in this report. ESI concludes without any qualifications or limiting conditions *Blue Source – Alligator River Avoided Conversion Project (CAR497)* meets the requirements of the Reserve's Forest Project Protocol, Version 3.1. Please see the separate Issues Log document.

Report Submitted to:	The Nature Conservancy Climate Action Reserve
Report Submitted by:	Environmental Services, Inc. Corporate Office 7220 Financial Way, Suite 100 Jacksonville, Florida 32256
ESI Lead Verifier Name and Signature:	 Shawn McMahon Lead Verifier
Senior Internal Reviewer Name and Signature:	 Guy Pinjuv Senior Internal Reviewer
ESI Regional Technical Manager Name and Signature:	 Janice McMahon Vice President and Forestry, Carbon and GHG Division Regional Technical Manager
Date:	Original: 15 December 2017 v2: 22 December 2017



APPENDIX A – Documents Received/Reviewed

During the project verification, ESI received and reviewed the following documents provided by Blue Source and the Reserve.

Documents received 09 August 2017

- _MACOSX
 - o PDD
 - Alligator River_PDD Soil Addendum_CAR_Final_1-8-12.pdf
- Attestations
 - o Empty for now
- CAR Guidance
 - o Alligator River CAR verification guidance 5_24_17.msg
 - o 2010-13-Guidance-Letter-CAR497.pdf
- Deed
 - o Mattamuskeet Ventures Deed.pdf
- Easement
 - o Appendix D_WARRANTY EASEMENT DEED.pdf
- Inventory Methodologies
 - o AlligatorRiver_Soil Sampling Methodology_042011.docx
 - o Alligator River InventoryMethodology 11_30.docx
- Models and Calcs
 - o G_Alligator River_AllPools_2016_8_9_17.xlsb
 - o Alligator River CRT Model_Biomass_8_9_17_FINAL_plus soil_2016.xlsb
 - o Alligator River_NEW_Monitoring Calculation Worksheet 2016_8_9_17.xlsx
 - FVSH_FVS_GrowthCalculations_8_9_17.xlsx
 - FVS Files
 - o BSMV60d.out
 - o BSMV15a.key
 - o BSMV25.key
 - o BSMV35.key
 - o BSMV45a.key
 - o BSMV45b.key
 - o BSMV45c.key
 - o BSMV45d.key
 - o BSMV60a.key
 - o BSMV60b.key
 - o BSMV60c.key
 - o BSMV60d.key
 - o FVS_BlueSource_MV.mdb
 - o BSMV15a.xls
 - o BSMV25yrs.xls
 - o BSMV35yrs.xls
 - o BSMV45a.xls



- o BSMV45b.xls
 - o BSMV45c.xls
 - o BSMV45d.xls
 - o BSMV60a.xls
 - o BSMV60b.xls
 - o BSMV60c.xls
 - o BSMV60d.xls
 - o FVS_TreeInit.xlsx
 - o H_FVS_GrowthCalculations_april 11.xlsx
 - o Alligator River FVS Growth Modeling.docx
 - o BSMV15a.out
 - o BSMV25.out
 - o BSMV35.out
 - o BSMV45a.out
 - o BSMV45b.out
 - o BSMV45c.out
 - o BSMV45d.out
 - o BSMV60a.out
 - o BSMV60b.out
 - o BSMV60c.out
- Monitoring Report
 - o Forest-Monitoring-Report_Alligator River_2016_080917.docx
- PDD
 - o Alligator River_PDD Soil Addendum_CAR_Final_1-8-12.pdf
 - o Alligator River PDD_Biomass_05-6-11_FINAL.pdf
- PIA
 - o Empty for now
- Spatial
 - o Proxy Site 40+ yrs Soils Clip.shx
 - o AlligatorRiver_Plots_All.dbf
 - o AlligatorRiver_Plots_All.prj
 - o AlligatorRiver_Plots_All.sbn
 - o AlligatorRiver_Plots_All.sbx
 - o AlligatorRiver_Plots_All.shp
 - o AlligatorRiver_Plots_All.shp.xml
 - o AlligatorRiver_Plots_All.shx
 - o AlligatorRiver_Strata.dbf
 - o AlligatorRiver_Strata.prj
 - o AlligatorRiver_Strata.sbn
 - o AlligatorRiver_Strata.sbx
 - o AlligatorRiver_Strata.shp
 - o AlligatorRiver_Strata.shp.xml
 - o AlligatorRiver_Strata.shx
 - o proj_bndry.dbf
 - o proj_bndry.prj
 - o proj_bndry.sbn



- o proj_bndry.sbx
- o proj_bndry.shp
- o proj_bndry.shp.xml
- o proj_bndry.shx
- o proj_soils_suborder.dbf
- o proj_soils_suborder.prj
- o proj_soils_suborder.sbn
- o proj_soils_suborder.sbx
- o proj_soils_suborder.shp
- o proj_soils_suborder.shp.xml
- o proj_soils_suborder.shx
- o Prox Site 20 yrs Soils.dbf
- o Prox Site 20 yrs Soils.prj
- o Prox Site 20 yrs Soils.sbn
- o Prox Site 20 yrs Soils.sbx
- o Prox Site 20 yrs Soils.shp
- o Prox Site 20 yrs Soils.shp.xml
- o Prox Site 20 yrs Soils.shx
- o Prox Site 30 yrs Soils.dbf
- o Prox Site 30 yrs Soils.prj
- o Prox Site 30 yrs Soils.sbn
- o Prox Site 30 yrs Soils.sbx
- o Prox Site 30 yrs Soils.shp
- o Prox Site 30 yrs Soils.shp.xml
- o Prox Site 30 yrs Soils.shx
- o Proxy Site 40+ yrs Soils Clip.dbf
- o Proxy Site 40+ yrs Soils Clip.prj
- o Proxy Site 40+ yrs Soils Clip.sbn
- o Proxy Site 40+ yrs Soils Clip.sbx
- o Proxy Site 40+ yrs Soils Clip.shp
- o Proxy Site 40+ yrs Soils Clip.shp.xml

Documents received 16 August 2017

- 036-BS Alligator-CAR497-AC_Verif Sampling Plan-V1-Final-20170816_signed.pdf

Documents received 07 September 2017

- AlligatorRiver_VerificationPlot_9_6_17_BlueCalcs.xlsx

Documents received 12 September 2017

- G_Alligator River_AllPools_VerPlot_9_12_17.xlsb

Documents received 26 October 2017

- 036_00_Alligator_Version_3.1_CAR_Round1_NCRsCLs.xlsx
- Attestations
 - o RPF_Attestation_10_24_17.pdf
 - o CAR497_Attest_of_Reg_Comp_2016.docx
 - o CAR497_Attest_of_Reg_Comp_2016.pdf



- o CAR497_Attest_of_Title_2016.docx
- o CAR497_Attest_of_Title_2016.pdf
- o CAR497_Attest_Vol_Implement_2016.docx
- o CAR497_Attest_Vol_Implement_2016.pdf
- CAR Guidance
 - o Alligator River CAR verification guidance 5_24_17.msg
 - o 2010-13-Guidance-Letter-CAR497.pdf
- Deed
 - o Mattamuskeet Ventures Deed.pdf
- Easement
 - o Appendix D_WARRANTY EASEMENT DEED.pdf
- InventoryMethodologies
 - o AlligatorRiver_Soil Sampling Methodology_042011.docx
 - o Alligator River InventoryMethodology 11_30.docx
 - o Alligator River InventoryMethodology_10_10_17.docx
- Models and Calcs
 - o G_Alligator River_AllPools_2016_10_10_17.xlsb
 - o FVS
 - H_FVS_GrowthCalculations_8_9_17.xlsx
 - FVS Files (37 items)
 - o Alligator River CRT Model_Biomass_10_9_17_FINAL_plus soil_2016.xlsb
 - o Alligator River_NEW_Monitoring Calculation Worksheet 2016_10_10_17.xlsx
- Monitoring Report – file empty
- PDD
 - o Alligator River PDD_Biomass_05-6-11_FINAL.pdf
 - o Alligator River_PDD Soil Addendum_CAR_Final_1-8-12.pdf
- PIA – file empty
- Sampling Plan
 - o 036-BS Alligator-CAR497-AC_Verif Sampling Plan-V2_Final_20170915_signed.pdf
 - o 036-BS Alligator-CAR497-AC_Verif Sampling Plan-V1-Final-20170816_signed.pdf
- SamplingErrorExplanation
 - o Alligator River Biomass Sampling Error Explanation.docx
- Spatial
 - o NoCanalsRoads and 51 other items
- Supporting Docs
 - o Monitoring Report Justification.msg
 - o Confirmation of Easement Compliance.msg

Documents received 03 November 2017

- Forest-Monitoring-Report_Alligator River_2016_10_24_17.pdf
- G_Alligator River_AllPools_2016_11_3_17.xlsb

Documents received 30 November 2017

- 036_00_Alligator_Version_3.1_CAR_Round2_NCRsCLs_BlueResponse.xlsx
- Alligator 2016 CAR Ver ESI
 - o __MACOSX
 - PDD
 - . _Alligator River_PDD Soil Addendum_CAR_Final_1-8-12.pdf
 - o Attestations



- CAR497_Attest_of_Reg_Comp_2016.docx
- CAR497_Attest_of_Reg_Comp_2016.pdf
- CAR497_Attest_of_Title_2016.docx
- CAR497_Attest_of_Title_2016.pdf
- CAR497_Attest_Vol_Implement_2016.docx
- CAR497_Attest_Vol_Implement_2016.pdf
- RPF_Attestation_10_24_17.pdf
- o CAR Guidance
 - 2010-13-Guidance-Letter-CAR497.pdf
 - Alligator River CAR verification guidance 5_24_17.msg
- o Deed
 - Mattamuskeet Ventures Deed.pdf
- o Easement
 - Appendix D_WARRANTY EASEMENT DEED.pdf
- o InventoryMethodologies
 - Alligator River InventoryMethodology 11_30.docx
 - Alligator River InventoryMethodology_10_10_17.docx
 - AlligatorRiver_Soil Sampling Methodology_042011.docx
- o Models and Calcs
 - FVS
 - FVS Files
 - o Alligator River FVS Growth Modeling.docx
 - o BSMV15a.key
 - o BSMV15a.out
 - o BSMV15a.xls
 - o BSMV25.key
 - o BSMV25.out
 - o BSMV25yrs.xls
 - o BSMV35.key
 - o BSMV35.out
 - o BSMV35yrs.xls
 - o BSMV45a.key
 - o BSMV45a.out
 - o BSMV45a.xls
 - o BSMV45b.key
 - o BSMV45b.out
 - o BSMV45b.xls
 - o BSMV45c.key
 - o BSMV45c.out
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 - o BSMV45d.key
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 - o BSMV60b.key
 - o BSMV60b.out
 - o BSMV60b.xls
 - o BSMV60c.key



- o BSMV60c.out
 - o BSMV60c.xls
 - o BSMV60d.key
 - o BSMV60d.out
 - o BSMV60d.xls
 - o FVS_BlueSource_MV.mdb
 - o FVS_TreeInit.xlsx
 - o H_FVS_GrowthCalculations_april 11.xlsx
 - H_FVS_GrowthCalculations_11_30_17.xlsx
 - MaterialityCheck
 - Alligator River CRT Model Biomass_11_30_17_FINAL_plus soil_2016_MaterialityCheck.xlsb
 - Alligator River_NEW_Monitoring Calculation Worksheet 2016_11_30_17_MaterialityCheck.xlsx
 - G_Alligator River_AllPools_2016_11_30_17_MaterialityCheck.xlsb
 - Alligator River CRT Model Biomass_11_30_17_FINAL_plus soil_2016.xlsb
 - Alligator River_NEW_Monitoring Calculation Worksheet 2016_11_30_17.xlsx
 - G_Alligator River_AllPools_2016_11_30_17.xlsb
- o Monitoring Report
 - Forest-Monitoring-Report_Alligator River_2016_10_24_17.pdf
- o NCRs
 - 036_00_Alligator_Version_3.1_CAR_Round2_NCRsCLs_BlueResponse.xlsx
- o PDD
 - Alligator River PDD_Biomass_05-6-11_FINAL.pdf
 - Alligator River_PDD Soil Addendum_CAR_Final_1-8-12.pdf
- o PIA
- o Sampling Plan
 - 036-BS Alligator-CAR497-AC_Verif Sampling Plan-V1-Final-20170816_signed.pdf
 - 036-BS Alligator-CAR497-AC_Verif Sampling Plan-V2_Final_20170915_signed.pdf
- o SamplingErrorExplanation
 - Alligator River Biomass Sampling Error Explanation.docx
- o Spatial
 - NoCanalsRoads
 - AlligatorRiver_Strata_NoCanalsRoads.cpg
 - AlligatorRiver_Strata_NoCanalsRoads.dbf
 - AlligatorRiver_Strata_NoCanalsRoads.prj
 - AlligatorRiver_Strata_NoCanalsRoads.sbn
 - AlligatorRiver_Strata_NoCanalsRoads.sbx
 - AlligatorRiver_Strata_NoCanalsRoads.shp
 - AlligatorRiver_Strata_NoCanalsRoads.shp.xml
 - AlligatorRiver_Strata_NoCanalsRoads.shx
 - AlligatorRiver_Strata_NoCanalsRoads.xlsx
 - AlligatorRiver_Plots_All.dbf
 - AlligatorRiver_Plots_All.prj
 - AlligatorRiver_Plots_All.sbn
 - AlligatorRiver_Plots_All.sbx
 - AlligatorRiver_Plots_All.shp



- AlligatorRiver_Plots_All.shp.xml
- AlligatorRiver_Plots_All.shx
- AlligatorRiver_Strata.cpg
- AlligatorRiver_Strata.dbf
- AlligatorRiver_Strata.prj
- AlligatorRiver_Strata.sbn
- AlligatorRiver_Strata.sbx
- AlligatorRiver_Strata.shp
- AlligatorRiver_Strata.shp.xml
- AlligatorRiver_Strata.shx
- AlligatorRiver_Strata.xlsx
- proj_bndry.dbf
- proj_bndry.prj
- proj_bndry.sbn
- proj_bndry.sbx
- proj_bndry.shp
- proj_bndry.shp.xml
- proj_bndry.shx
- proj_soils_suborder.dbf
- proj_soils_suborder.prj
- proj_soils_suborder.sbn
- proj_soils_suborder.sbx
- proj_soils_suborder.shp
- proj_soils_suborder.shp.xml
- proj_soils_suborder.shx
- Prox Site 20 yrs Soils.dbf
- Prox Site 20 yrs Soils.prj
- Prox Site 20 yrs Soils.sbn
- Prox Site 20 yrs Soils.sbx
- Prox Site 20 yrs Soils.shp
- Prox Site 20 yrs Soils.shp.xml
- Prox Site 20 yrs Soils.shx
- Prox Site 30 yrs Soils.dbf
- Prox Site 30 yrs Soils.prj
- Prox Site 30 yrs Soils.sbn
- Prox Site 30 yrs Soils.sbx
- Prox Site 30 yrs Soils.shp
- Prox Site 30 yrs Soils.shp.xml
- Prox Site 30 yrs Soils.shx
- Proxy Site 40+ yrs Soils Clip.dbf
- Proxy Site 40+ yrs Soils Clip.prj
- Proxy Site 40+ yrs Soils Clip.sbn
- Proxy Site 40+ yrs Soils Clip.sbx
- Proxy Site 40+ yrs Soils Clip.shp
- Proxy Site 40+ yrs Soils Clip.shp.xml
- Proxy Site 40+ yrs Soils Clip.shx
- o Supporting Docs
 - Confirmation of Easement Compliance.msg
 - Monitoring Report Justification.msg



Documents received 06 December 2017

- 036_00_Alligator_Version_3.1_CAR_Round3_NCRsCLs_BlueResponse.xlsx
- __MACOSX
 - o PDD
 - o . _Alligator River_PDD Soil Addendum_CAR_Final_1-8-12.pdf
- Attestations
 - o CAR497_Attest_of_Reg_Comp_2016.docx
 - o CAR497_Attest_of_Reg_Comp_2016.pdf
 - o CAR497_Attest_of_Title_2016.docx
 - o CAR497_Attest_of_Title_2016.pdf
 - o CAR497_Attest_Vol_Implement_2016.docx
 - o CAR497_Attest_Vol_Implement_2016.pdf
 - o RPF_Attestation_10_24_17.pdf
- CAR Guidance
 - o 2010-13-Guidance-Letter-CAR497.pdf
 - o Alligator River CAR verification guidance 5_24_17.msg
- Deed
 - o Mattamuskeet Ventures Deed.pdf
- Easement
 - o Appendix D_WARRANTY EASEMENT DEED.pdf
- InventoryMethodologies
 - o Alligator River InventoryMethodology 11_30.docx
 - o Alligator River InventoryMethodology_10_10_17.docx
 - o AlligatorRiver_Soil Sampling Methodology_042011.docx
- Models and Calcs
 - o FVS
 - FVS Files
 - Alligator River FVS Growth Modeling.docx
 - BSMV15a.key
 - BSMV15a.out
 - BSMV15a.xls
 - BSMV25.key
 - BSMV25.out
 - BSMV25yrs.xls
 - BSMV35.key
 - BSMV35.out
 - BSMV35yrs.xls
 - BSMV45a.key
 - BSMV45a.out
 - BSMV45a.xls
 - BSMV45b.key
 - BSMV45b.out
 - BSMV45b.xls
 - BSMV45c.key
 - BSMV45c.out
 - BSMV45c.xls
 - BSMV45d.key
 - BSMV45d.out



- BSMV45d.xls
- BSMV60a.key
- BSMV60a.out
- BSMV60a.xls
- BSMV60b.key
- BSMV60b.out
- BSMV60b.xls
- BSMV60c.key
- BSMV60c.out
- BSMV60c.xls
- BSMV60d.key
- BSMV60d.out
- BSMV60d.xls
- FVS_BlueSource_MV.mdb
- FVS_TreeInit.xlsx
- H_FVS_GrowthCalculations_april 11.xlsx
 - H_FVS_GrowthCalculations_12_6_17.xlsx
- o Alligator River CRT Model_Biomass_12_6_17_FINAL_plus soil_2016.xlsb
- o Alligator River_NEW_Monitoring Calculation Worksheet 2016_12_6_17.xlsx
- o G_Alligator River_AllPools_2016_12_6_17.xlsb
- Monitoring Report
 - o Forest-Monitoring-Report_Alligator River_2016_12_6_17.pdf
- NCRs
 - o 036_00_Alligator_Version_3.1_CAR_Round3_NCRsCLs_BlueResponse.xlsx
- PDD
 - o Alligator River PDD_Biomass_05-6-11_FINAL.pdf
 - o Alligator River_PDD Soil Addendum_CAR_Final_1-8-12.pdf
- PIA
- Sampling Plan
 - o 036-BS Alligator-CAR497-AC_Verif Sampling Plan-V1-Final-20170816_signed.pdf
 - o 036-BS Alligator-CAR497-AC_Verif Sampling Plan-V2_Final_20170915_signed.pdf
- SamplingErrorExplanation
 - o Alligator River Biomass Sampling Error Explanation.docx
- Spatial
 - o NoCanalsRoads
 - AlligatorRiver_Strata_NoCanalsRoads.cpg
 - AlligatorRiver_Strata_NoCanalsRoads.dbf
 - AlligatorRiver_Strata_NoCanalsRoads.prj
 - AlligatorRiver_Strata_NoCanalsRoads.sbn
 - AlligatorRiver_Strata_NoCanalsRoads.sbx
 - AlligatorRiver_Strata_NoCanalsRoads.shp
 - AlligatorRiver_Strata_NoCanalsRoads.shp.xml
 - AlligatorRiver_Strata_NoCanalsRoads.shx
 - AlligatorRiver_Strata_NoCanalsRoads.xlsx
 - o AlligatorRiver_Plots_All.dbf
 - o AlligatorRiver_Plots_All.prj
 - o AlligatorRiver_Plots_All.sbn
 - o AlligatorRiver_Plots_All.sbx
 - o AlligatorRiver_Plots_All.shp



- o AlligatorRiver_Plots_All.shp.xml
- o AlligatorRiver_Plots_All.shx
- o AlligatorRiver_Strata.cpg
- o AlligatorRiver_Strata.dbf
- o AlligatorRiver_Strata.prj
- o AlligatorRiver_Strata.sbn
- o AlligatorRiver_Strata.sbx
- o AlligatorRiver_Strata.shp
- o AlligatorRiver_Strata.shp.xml
- o AlligatorRiver_Strata.shx
- o AlligatorRiver_Strata.xlsx
- o proj_bndry.dbf
- o proj_bndry.prj
- o proj_bndry.sbn
- o proj_bndry.sbx
- o proj_bndry.shp
- o proj_bndry.shp.xml
- o proj_bndry.shx
- o proj_soils_suborder.dbf
- o proj_soils_suborder.prj
- o proj_soils_suborder.sbn
- o proj_soils_suborder.sbx
- o proj_soils_suborder.shp
- o proj_soils_suborder.shp.xml
- o proj_soils_suborder.shx
- o Prox Site 20 yrs Soils.dbf
- o Prox Site 20 yrs Soils.prj
- o Prox Site 20 yrs Soils.sbn
- o Prox Site 20 yrs Soils.sbx
- o Prox Site 20 yrs Soils.shp
- o Prox Site 20 yrs Soils.shp.xml
- o Prox Site 20 yrs Soils.shx
- o Prox Site 30 yrs Soils.dbf
- o Prox Site 30 yrs Soils.prj
- o Prox Site 30 yrs Soils.sbn
- o Prox Site 30 yrs Soils.sbx
- o Prox Site 30 yrs Soils.shp
- o Prox Site 30 yrs Soils.shp.xml
- o Prox Site 30 yrs Soils.shx
- o Proxy Site 40+ yrs Soils Clip.dbf
- o Proxy Site 40+ yrs Soils Clip.prj
- o Proxy Site 40+ yrs Soils Clip.sbn
- o Proxy Site 40+ yrs Soils Clip.sbx
- o Proxy Site 40+ yrs Soils Clip.shp
- o Proxy Site 40+ yrs Soils Clip.shp.xml
- o Proxy Site 40+ yrs Soils Clip.shx
- Supporting Docs
 - o Confirmation of Easement Compliance.msg
 - o Monitoring Report Justification.msg



Documents received 07 December 2017

- __MACOSX
 - o PDD
 - . _Alligator River_PDD Soil Addendum_CAR_Final_1-8-12.pdf
- Attestations
 - o CAR497_Attest_of_Reg_Comp_2016.docx
 - o CAR497_Attest_of_Reg_Comp_2016.pdf
 - o CAR497_Attest_of_Title_2016.docx
 - o CAR497_Attest_of_Title_2016.pdf
 - o CAR497_Attest_Vol_Implement_2016.docx
 - o CAR497_Attest_Vol_Implement_2016.pdf
 - o RPF_Attestation_10_24_17.pdf
- CAR Guidance
 - o 2010-13-Guidance-Letter-CAR497.pdf
 - o Alligator River CAR verification guidance 5_24_17.msg
- Deed
 - o Mattamuskeet Ventures Deed.pdf
- Easement
 - o Appendix D_WARRANTY EASEMENT DEED.pdf
- InventoryMethodologies
 - o Alligator River InventoryMethodology 11_30.docx
 - o Alligator River InventoryMethodology_10_10_17.docx
 - o AlligatorRiver_Soil Sampling Methodology_042011.docx
- Models and Calcs
 - o FVS
 - FVS Files
 - Alligator River FVS Growth Modeling.docx
 - BSMV15a.key
 - BSMV15a.out
 - BSMV15a.xls
 - BSMV25.key
 - BSMV25.out
 - BSMV25yrs.xls
 - BSMV35.key
 - BSMV35.out
 - BSMV35yrs.xls
 - BSMV45a.key
 - BSMV45a.out
 - BSMV45a.xls
 - BSMV45b.key
 - BSMV45b.out
 - BSMV45b.xls
 - BSMV45c.key
 - BSMV45c.out
 - BSMV45c.xls
 - BSMV45d.key
 - BSMV45d.out
 - BSMV45d.xls



- BSMV60a.key
 - BSMV60a.out
 - BSMV60a.xls
 - BSMV60b.key
 - BSMV60b.out
 - BSMV60b.xls
 - BSMV60c.key
 - BSMV60c.out
 - BSMV60c.xls
 - BSMV60d.key
 - BSMV60d.out
 - BSMV60d.xls
 - FVS_BlueSource_MV.mdb
 - FVS_TreeInit.xlsx
 - H_FVS_GrowthCalculations_april 11.xlsx
 - H_FVS_GrowthCalculations_12_7_17.xlsx
 - o Alligator River CRT Model_Biomass_12_7_17_FINAL_plus soil_2016.xlsb
 - o Alligator River_NEW_Monitoring Calculation Worksheet 2016_12_7_17.xlsx
 - o G_Alligator River_AllPools_2016_12_7_17.xlsb
- Monitoring Report
 - o Forest-Monitoring-Report_Alligator River_2016_12_7_17.pdf
- NCRs
 - o 036_00_Alligator_Version_3.1_CAR_Round3_NCRsCLs_BlueResponse.xlsx
- PDD
 - o Alligator River PDD_Biomass_05-6-11_FINAL.pdf
 - o Alligator River_PDD Soil Addendum_CAR_Final_1-8-12.pdf
- PIA
- Sampling Plan
 - o 036-BS Alligator-CAR497-AC_Verif Sampling Plan-V1-Final-20170816_signed.pdf
 - o 036-BS Alligator-CAR497-AC_Verif Sampling Plan-V2_Final_20170915_signed.pdf
- SamplingErrorExplanation
 - o Alligator River Biomass Sampling Error Explanation.docx
- Spatial
 - o NoCanalsRoads
 - AlligatorRiver_Strata_NoCanalsRoads.cpg
 - AlligatorRiver_Strata_NoCanalsRoads.dbf
 - AlligatorRiver_Strata_NoCanalsRoads.prj
 - AlligatorRiver_Strata_NoCanalsRoads.sbn
 - AlligatorRiver_Strata_NoCanalsRoads.sbx
 - AlligatorRiver_Strata_NoCanalsRoads.shp
 - AlligatorRiver_Strata_NoCanalsRoads.shp.xml
 - AlligatorRiver_Strata_NoCanalsRoads.shx
 - AlligatorRiver_Strata_NoCanalsRoads.xlsx
 - o AlligatorRiver_Plots_All.dbf
 - o AlligatorRiver_Plots_All.prj
 - o AlligatorRiver_Plots_All.sbn
 - o AlligatorRiver_Plots_All.sbx
 - o AlligatorRiver_Plots_All.shp
 - o AlligatorRiver_Plots_All.shp.xml



- o AlligatorRiver_Plots_All.shx
 - o AlligatorRiver_Strata.cpg
 - o AlligatorRiver_Strata.dbf
 - o AlligatorRiver_Strata.prj
 - o AlligatorRiver_Strata.sbn
 - o AlligatorRiver_Strata.sbx
 - o AlligatorRiver_Strata.shp
 - o AlligatorRiver_Strata.shp.xml
 - o AlligatorRiver_Strata.shx
 - o AlligatorRiver_Strata.xlsx
 - o proj_bndry.dbf
 - o proj_bndry.prj
 - o proj_bndry.sbn
 - o proj_bndry.sbx
 - o proj_bndry.shp
 - o proj_bndry.shp.xml
 - o proj_bndry.shx
 - o proj_soils_suborder.dbf
 - o proj_soils_suborder.prj
 - o proj_soils_suborder.sbn
 - o proj_soils_suborder.sbx
 - o proj_soils_suborder.shp
 - o proj_soils_suborder.shp.xml
 - o proj_soils_suborder.shx
 - o Prox Site 20 yrs Soils.dbf
 - o Prox Site 20 yrs Soils.prj
 - o Prox Site 20 yrs Soils.sbn
 - o Prox Site 20 yrs Soils.sbx
 - o Prox Site 20 yrs Soils.shp
 - o Prox Site 20 yrs Soils.shp.xml
 - o Prox Site 20 yrs Soils.shx
 - o Prox Site 30 yrs Soils.dbf
 - o Prox Site 30 yrs Soils.prj
 - o Prox Site 30 yrs Soils.sbn
 - o Prox Site 30 yrs Soils.sbx
 - o Prox Site 30 yrs Soils.shp
 - o Prox Site 30 yrs Soils.shp.xml
 - o Prox Site 30 yrs Soils.shx
 - o Proxy Site 40+ yrs Soils Clip.dbf
 - o Proxy Site 40+ yrs Soils Clip.prj
 - o Proxy Site 40+ yrs Soils Clip.sbn
 - o Proxy Site 40+ yrs Soils Clip.sbx
 - o Proxy Site 40+ yrs Soils Clip.shp
 - o Proxy Site 40+ yrs Soils Clip.shp.xml
 - o Proxy Site 40+ yrs Soils Clip.shx
 - Supporting Docs
 - o Confirmation of Easement Compliance.msg
 - o Monitoring Report Justification.msg
- Forest-Monitoring-Report_Alligator River_2016_12_7_17_v2.pdf



Documents received 21 December 2017

- 2016-1-12-PIA-Amendment-CAR4970-signed.pdf