

U.S. FOREST OFFSET PROJECT DATA REPORT ANNUAL REPORTING PERIOD – ALL PROJECT TYPES

OPR Staff Use Only	Date Report Received:	OPR Tracking Number:	Date Report Reviewed:	OPR Staff Use Only
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Complete for all reporting years. Entities submitting the project's first Offset Project Data Report must submit the information requested in both **Initial Reporting Period** and the **Annual Reporting** forms to the appropriate Offset Project Registry. For every reporting period thereafter, submit only the information requested in the Annual Reporting Period form.

PART I. ENTITY SUBMITTING REPORT

Is this form being submitted by the Offset Project Operator (OPO) or by the Authorized Project Designee (APD)? Note: The person completing this form should be an OPO/APD employee.			☒ OPO ☐ APD
Report Version Number: 2.1.1.1	Date Report Completed: 9/16/2021	Date Report Submitted: 9/27/2021	
Person Completing Report: Sarah Billig	Phone Number: 707-463-5125	Email Address: sbillig@mendoco.com	

PART II. OFFSET PROJECT INFORMATION

Offset Project Name: Hollow Tree			
OPR Project ID#: CAR1191	ARB Project ID# (if known): CAFR5291	Offset Project Commencement Date: June 4, 2015	
Date of Last Full (On-Site) Verification: April 2, 2016	Reporting Period Start Date: June 14, 2018	Reporting Period End Date: June 13, 2019	
Is this report being submitted for a verification year?			☒ Yes ☐ No
Protocol Version for Project Listing: ☐ October 20, 2011 ☒ November 14, 2014		Protocol Version for Project Reporting: ☐ October 20, 2011 ☒ November 14, 2014	
Is this Offset Project Data Report (OPDR) being submitted for the project's initial Reporting Period? If "yes", the entity submitting this report must also submit the information required in section 9.1.1 of the U.S. Forest protocol. To submit that information, an OPO/APD submitting an OPDR may use one of three Initial Reporting Forms identified in the question immediately below.			☐ Yes ☒ No
With this Annual OPDR, is any one of the following three U.S. Forest Offset Project Data Report Initial Reporting Period forms also being submitted?		☐ Reforestation ☐ Improved Forest Management ☐ Avoided Conversion	

PART III. OPO/APD INFORMATION

A. OPO			
OPO Name: Mendocino Redwood Company, LLC		OPO's CITSS ID#: CA 1942	
Mailing Address: P.O. Box 996	City: Ukiah	State: CA	Zip: 95482
Contact Person: Sarah Billig	Phone Number: 707-463-5125	Email Address: sbillig@mendoco.com	
B. APD (if applicable)		☒ No APD/Not Applicable	
APD Name:		APD's CITSS ID#: CA _ _ _ _	
Mailing Address:	City:	State:	Zip:

Contact Person:	Phone Number:	Email Address:
PART IV. OFFSET PROJECT ELIGIBILITY REQUIREMENTS		
A. Have the Forest Project and associated Project Lands met and been in compliance with all local, state, and federal regulatory requirements during the Reporting Period?		☒ Yes ☐ No
If no, provide an explanation of the non-compliance.		
B. Indicate how the offset project meets the definition of Natural Forest Management per Table 3.2 in the U.S. Forest protocol by completing Questions B1-B4 below: <i>Note: Reforestation projects with deferred inventory and Project Boundaries are still required to complete Questions B1-B4.</i>		
1. Native species: a) Does the project consist of at least 95% native species based on the estimated sum of carbon in the standing live carbon pool? <i>If "no," proceed to question 1b. Otherwise, skip to question B2.</i>		☒ Yes ☐ No
b) Describe how the project will result in achieving a 95% native species goal over the project life.		
2. Composition of native species: a) Does the Project Area naturally consist of a mixed species distribution such that no single species' prevalence exceeds the percentage value of standing live carbon shown under the heading 'Species Diversity Index' in the Assessment Area Data File? <i>If "no," proceed to questions 2b and 2c. Otherwise skip to question B3.</i>		☒ Yes ☐ No
b) Explain how the project will demonstrate a trend toward achieving the Species Diversity Index of native species and meet this requirement within 25 years.		
c) If the Project Area does not naturally consist of a mixed species distribution: Will or have you provided a written statement from the government agency in charge of forestry regulation in the state where the project is located stipulating that the Project site is not capable of meeting the requirement of mixed species distribution.		☐ Yes ☐ No
3. Distribution of age classes/sustainable management: a) Indicate how the project meets the requirement for sustainable management if regeneration or commercial harvesting is either planned or initiated within the Project Area demonstrating sustainable long-term harvesting practices. This applies to all forest landholdings of the Forest Owner(s) (check one of the boxes). <i>The full text associated for the options below is found in section 3.8.1 of the U.S. Forest protocol.</i> ☒ Third party certification ☐ Adhere to a renewable long-term management plan ☐ Employs uneven-aged silvicultural practices & maintain canopy retention averaging 40% across forest ☐ Not applicable, no commercial harvesting in planned within the project area		
b) On a watershed scale up to 10,000 acres (or the Project Area, whichever is smaller), projects must maintain, or make progress toward maintaining, a maximum of 40% of the project's forest lands in ages that are less than 20 years old. (Areas impacted by Significant Disturbance are exempt from this test until 20 years after reforestation of such areas.) Does the acreage within this project meet this requirement? <i>If "no," proceed to question 3c. Otherwise, skip to question B4.</i>		☒ Yes ☐ No
Explain how the project demonstrates continuous progress toward meeting this requirement within the next 25 years.		
4. Structural elements (standing and lying dead wood): How does the project ensure that structural elements are retained in sufficient quantities throughout the project life? See Addendum to OPDR (Annual) IV.B.4.		
C. Has there been a decrease in the standing live carbon stocks within the Project Area over any 10-year consecutive period? <i>For the Initial Reporting Period, check "No." If "No," skip to Part V. If yes, answer questions C1 and C2.</i>		☐ Yes ☒ No
1. If yes, identify the appropriate option and provide additional documentation. ☐ Decrease is due to the necessity to substantially improve the Project Area's resistance to wildfire, insect, or disease risks. Actions that will be taken to reduce the risks must be documented and the techniques used to improve resistance must be supported by relevant published peer reviewed research. ☐ Decrease is associated with a planned balancing of age classes and is detailed in a long-term management plan that demonstrates harvest levels can be permanently sustained over time and that		

is sanctioned and monitored by a state or federal agency. This documentation must be submitted at the time of the Project's Listing.

☐ Decrease is part of normal silviculture cycles for forest ownerships less than 1,000 acres.

Note: Documentation is required to be submitted. See Section X for details.

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|--|---|
| 2. Has the Project's inventory of standing live carbon stocks fallen below the Project's baseline standing live carbon stocks, or 20 percent less than the Project's standing live carbon stocks at the project's initiation (whichever is higher)? | ☐ Yes
☐ No |
|--|---|

PART V. PROJECT CHANGES

A. Is all the information in the offset project listing still accurate? <i>If "Yes," skip to question B.</i>	☐ Yes ☒ No
1. Does Part II above report an updated Offset Project Commencement Date, Reporting Period Start Date, and/or Reporting Period End Date?	☒ Yes ☐ No
2. Does Part III above report updated OPO/APD Information?	☐ Yes ☒ No
3. Are there updates to the Land Ownership listing information? <i>If "Yes," provide updates below (and/or provide as separate attachment):</i>	☐ Yes ☒ No
4. Are there updates to the Offset Project Area listing information? <i>If "Yes," provide updates below (and/or provide as separate attachment):</i> See Addendum to OPDR (Annual) V.A.4	☒ Yes ☐ No
5. Are there updates to the Carbon Stock Inventory listing information? <i>If "Yes," provide updates below (and/or provide as separate attachment):</i> See Addendum to OPDR (Annual) V.A.5	☒ Yes ☐ No
6. Are there updates to the Offset Project Baseline listing information? <i>If "Yes," provide updates below (and/or provide as separate attachment):</i> See Addendum to OPDR (Annual) V.A.6	☒ Yes ☐ No
7. Are there any other updates to the listing information? <i>If "Yes," provide updates below (and/or provide as separate attachment):</i> See Addendum to OPDR (Annual) V.A.7	☒ Yes ☐ No
B. Have there been any changes in the status of the Forest Owner including, if applicable per Section 3.8.1 of the U.S. Forest protocol, the acquisition of new forest landholdings?	☐ Yes ☒ No
If yes, describe the changes. Include the sale or transfer of any portion of land within Project Area. N/A	
C. Optional: Has a Qualified Conservation Easement (QCE) been recorded since the previous Reporting Period? <i>If this is for the Initial Reporting Period, check "Yes" if a QCE has been recorded since Listing, check "No" otherwise. If "No," skip to Question D.</i>	☐ Yes ☒ No
Optional: If yes, provide the date the QCE was recorded. Also provide a copy of the QCE to ARB. N/A	
D. Optional: Have there been any modifications to the inventory methodology of any carbon pools included in the project's boundary since the last Reporting Period? <i>All projects are required to document any modifications to inventory methodologies in a change log and obtain approval in advance. Qualifying Reforestation Projects may defer answering this question until the second full verification. If this is for the Initial Reporting Period, check "No," unless there have been modifications since project listing, in which case, check "Yes."</i>	☐ Yes ☒ No ☐ Defer
Optional: If yes, describe the modifications. N/A	

PART VI. REVERSALS

Note: Qualifying Reforestation Projects may defer items marked with an asterisk until the second verification.

A. Has a reversal occurred during the Reporting Period covered by this report? <i>If this is for the Initial Reporting Period, check "No."</i> <i>If "No," skip to question B.</i>	☐ Yes ☒ No
Has the reversal been classified as intentional or unintentional?	☐ Intentional ☐ Unintentional
Optional: Date(s) Reversal Occurred: N/A	Optional: Estimated Quantity of Reversal in Units of MtCO ₂ e: N/A
Describe and explain the reversal.	

N/A		
What is the status of the compensation for the reversal? N/A		
B. For verification years ONLY : Has a reversal occurred during the previous six years? <i>If this is for the Initial Reporting Period, check "No."</i>		☐ Yes ☒ No
Has the reversal been classified as intentional or unintentional?		☐ Intentional ☐ Unintentional
Optional: Date(s) Reversal Occurred: N/A	Optional: Estimated Quantity of Reversal in Units of MtCO ₂ e: N/A	
Describe and explain the reversal. N/A		
What is the status of the compensation for the reversal? N/A		
C. What is the Project's reversal risk rating?	Risk Rating: 19.236%	☐ Defer
What is the Project's fire risk based on level of fuel treatments?	☐ High (2%) ☐ Medium (2.652%) ☐ Low (3.304%) ☒ None (4 %)	

PART VII. HARVEST VOLUMES AND CARBON IN WOOD PRODUCTS

Note: Qualifying Reforestation Projects may defer items marked with an asterisk until the second verification.

A. *Provide an estimate of the harvest volume for this Reporting Period. This estimate refers to the volume of trees harvested for wood products only.	Harvest Volume (Cubic Feet): 923,884	☐ Defer
B. *Indicate the estimated mill efficiency for wood products produced from the Project Area following requirements in Appendix C, Section C.2.	Mill Efficiency (percent): 67.5	☐ Defer
C. *Provide an estimate of carbon in harvested wood products associated with the harvest volumes reported for this Reporting Period.	Carbon estimate (MtCO ₂ e): 9,252	☐ Defer

PART VIII. CARBON STOCKS

In the appropriate columns below, enter the name/identification of all required carbon pools and its estimated carbon stock (MtCO₂e) for the current Reporting Period.

For verification years ONLY: Report the estimated carbon stock for every year since the Project's last verification.

☐ Defer

Reforestation Projects may defer full inventory of carbon stocks not affected by site preparation until second verification. If deferring, carbon stocks affected by site preparation must still be reported below.

Carbon Pool <i>Identify the pool by the SSR code (e.g., AC-1) and description (Standing live carbon) in Tables 5.1-5.3.</i>	Current Reporting Period	Current Reporting Period minus 1 year	Current Reporting Period minus 2 years	Current Reporting Period minus 3 years	Current Reporting Period minus 4 years	Current Reporting Period minus 5 years
	6/14/2018 to 6/13/2019	/ to /	/ to /	/ to /	/ to /	/ to /
IFM-1 Standing Live carbon	5,752,869					
IFM-3 Standing Dead Carbon	111,153					
IFM-7 Carbon in in-use Forest Products	5,629					

IFM-8 Forest Product Carbon in Landfills	3,623					
IFM-14 Biological emissions /removals from change in harvesting on forestland outside Project Area	-10,271					

PART IX. BASELINE CARBON STOCKS

In the appropriate columns below, enter the name/identification of all required carbon pools and its estimated **baseline** carbon stock (MtCO₂e) for the current Reporting Period.

For verification years ONLY: Report the estimated baseline carbon stock for every year since the Project's last verification.

☐ **Defer**

Reforestation Projects may defer estimating baseline carbon stocks not affected by site preparation until a full inventory is obtained. If deferring, baseline estimates of carbon stock affected by site preparation must still be reported below.

Carbon Pool <i>Identify the pool by the SSR code (e.g., AC-1) and description (Standing live carbon) in Tables 5.1-5.3.</i>	Current Reporting Period	Current Reporting Period minus 1 year	Current Reporting Period minus 2 years	Current Reporting Period minus 3 years	Current Reporting Period minus 4 years	Current Reporting Period minus 5 years
	6/14/2018 to 6/13/2019	/ to /	/ to /	/ to /	/ to /	/ to /
IFM-1 Standing Live carbon	4,616,642					
IFM-3 Standing Dead Carbon	111,153					
IFM-7 Carbon in In-use Forest Products	7,924					
IFM-8 Forest Product Carbon in Landfills	5,116					

PART X. QUANTIFICATION FACTORS

In the appropriate column below, enter the value for the current Reporting Period.

For verification years ONLY: Report the estimated values for every year since the Project's last verification.

Note: Qualifying Reforestation Projects may defer items marked with an asterisk until the second verification.

	Current Reporting Period	Current Reporting Period minus 1 year	Current Reporting Period minus 2 years	Current Reporting Period minus 3 years	Current Reporting Period minus 4 years	Current Reporting Period minus 5 years
	6/14/2018 to 6/13/2019	/ to /	/ to /	/ to /	/ to /	/ to /
A. Secondary Effects (MtCO ₂ e)	-10,271					
B. *Confidence Deduction (%) ☐ Defer	0.0					
C. *Forest Buffer Account Contribution (MtCO ₂ e) ☐ Defer	15,168					
D. For Avoided Conversion Projects <u>ONLY</u> : What is the Project's uncertainty discount factor?					%	☐ N/A

PART XI. TOTAL NET GHG REDUCTIONS AND GHG REMOVAL ENHANCEMENTS (QR_y)

In the appropriate column below, enter the total net GHG Reductions and GHG Removal Enhancements (MtCO₂e) for the current Reporting Period and all Reporting Periods since the Project's last full verification.

For verification years ONLY: Report the total net GHG Reductions and GHG Removal Enhancements for every year since the Project's last verification.

Current Reporting Period	Current Reporting Period minus 1 year	Current Reporting Period minus 2 years	Current Reporting Period minus 3 years	Current Reporting Period minus 4 years	Current Reporting Period minus 5 years
	/ to /	/ to /	/ to /	/ to /	/ to /
78,853					

PART XII. ATTESTATION AND OPO SIGNATURE

I certify under penalty of perjury under the laws of the State of California the GHG reductions and/or GHG removal enhancements for

Project Name:

Hollow Tree

from	Reporting Period Start Date: 6/14/2018	to	Reporting Period End Date: 6/13/2019
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are measured in accordance with the Compliance Offset Protocol

Check the appropriate Compliance Offset Protocol:

- ☐ U.S. Forest Projects, October 20, 2011,
☒ U.S. Forest Projects, November 14, 2014,

and all information required to be submitted to ARB is true, accurate, and complete.

In signing this form, I certify under penalty of perjury of the laws of California that the information contained in this form is true, accurate, and complete. I further certify that I am duly authorized to represent and legally bind the Offset Project Operator (OPO) on all matters related to this form.

SIGNATURE:

PRINTED NAME:

Dennis Thibeault

TITLE:

Executive Vice President, Forestry

DATE:

9/27/21



Hollow Tree

CAR1191, CAFR5291

Addendum to OPDR for the Annual Reporting Period Form

Under

Air Resources Board

Compliance Offset Protocol – U.S. Forest Projects

Adopted: November 14, 2014

Prepared September 16, 2021

Version 2.1.1.1

Offset Project Operator

Mendocino Redwood Company, a California
limited liability corporation
P.O. Box 996, Ukiah, CA 95482
(707) 463-5125

Reporting Period

The reporting period for this OPDR is from 6/14/2018 to 6/13/2019.

Protocol Version

Air Resources Board
Compliance Offset Protocol – U.S. forest Projects
Adopted: November 14, 2014

The OPDR and all other project documentation and reports that reference carbon stocks have been prepared and submitted by James D. Clark, California Registered Professional Forester (No. 2528).

Introduction

Hollow Tree is an Improved Forest Management (IFM) Project that is seeking registration under the California Air Resources Board Compliance Offset Protocol – U.S. Forest Projects Adopted: November 14, 2014. The Offset Project Operator is the Mendocino Redwood Company, a California limited liability corporation (MRC). The Project is approximately 20,300 acres in size, located in Mendocino County.

Summary of Reporting Period Activities

Commercial Harvesting occurred on approximately 820 acres of the Project Area during the reporting period. Non-Commercial Vegetation Treatments occurred on approximately 131 acres. Modifications to the project timber stands to reflect the harvests and treatments have been addressed as a part of the Project's updated carbon stock inventory.

IV.B.1.

The Hollow Tree Project Area is characterized by a mix of Redwood, Douglas-fir and other mixed conifers, tanoak, madrone, and other native hardwoods. Approximately 100% of the Project's biomass is in native species, and thus the Project meets the 95% criteria for carbon in native species.

IV.B.2.

- (a) The Hollow Tree Project Area is characterized by a mix of predominantly redwood, Douglas-fir, tanoak, and Pacific madrone, and other native hardwoods and conifers. MRC intends to manage the timber stands to maintain or increase conifer stocking, ensuring that the Project continues to meet the requirements for composition of native species under Table 3.2 (page 20) of the Compliance Offset Protocol by maintaining species' basal area percentage below 60%, the Species Diversity Index from the Assessment Area Data File.

IV.B.3.

MRC meets the sustainable harvest practices requirement by maintaining Forest Stewardship Council certification (RA-COC/FM-000128). As such, the Hollow Tree Project has met the requirement for sustainable long-term harvesting for the reporting period by satisfying the first option under Section 3.8.1 of the Forest Project Protocol.

MRC's ongoing management activities are focused on sustainable harvest of timber (less harvest than growth); restoration of tanoak stands to conifer stands; stream and road restoration work; and reforesting stands that have been intensively harvested. Specifically, the activities that will increase carbon stocks are detailed in MRC's management plan (last revised 2015). These include: increased protections on watercourses; increased protections for unstable areas; increasing density and number of large trees on watercourses; increased habitat retention for northern spotted owls (nesting/roosting habitat); and protection of wildlife and old growth trees while also recruiting a minimum of three trees per acres to become wildlife trees.

- (a) MRC is targeting an uneven-aged stand condition over time. Hardwoods are maintained as approximately 15 square feet of basal area per acre across the project area. The use of uneven-aged management will ensure that no more than 40% of the Project's forested acreage is in ages less than 20 years at a watershed scale of up to 10,000 acres. MRC analyzes growth and yield at the sustainability unit level. The project area covers one sustainability unit – Greenwood Creek. This sustainability unit is further subdivided into planning watersheds. For the purpose of demonstrating no more than 40% of the Project's forested acreage is less than 20 years, MRC will use planning watersheds as the ownership level at which the test will be performed. Table 2 lists the planning watersheds included in the project area.

Since MRC is moving towards utilizing uneven-aged management within the project area and have such heterogeneous stands with clumpy distribution of trees, we utilize site class assessments as a proxy for age class assessment. Due to MRC's unique landscape and harvest history, MRC's forest stands are not classified by age class, but are rather classified by dominant size class and species. This assessment was completed by developing an "average age" for each size class included in our inventory system. To determine if we meet this criterion we utilized 8" as the cut-off for a 20-year old stand, so stands dominated by trees greater than or equal to 8" dbh were considered to be greater than 20 years old. Acres of stands dominated by trees < 20 years old by sustainability unit and planning watershed are shown in the table below.

CALWATER Watershed	IDNUM	Project Acreage*	Project Acreage < 20 Years Old	% of Acreage < 20 Years
Middle Hollow Tree Creek	1113.20301	9,862	641	7%
Upper Hollow Tree Creek	1113.20303	6,682	366	5%
Lower Hollow Tree Creek	1113.20302	2,313	177	8%
Low Gap Creek	1113.20202	740	0	0%
Jack of Hearts Creek	1113.30401	702	27	4%
Grand Total				

*Note there were 12-ac. in other planning watersheds included in the assessment area. These acres were added to the nearest adjacent planning watershed in the above list.

IV.B.4.

MRC recruits and retains a minimum of 5 downed logs per acre within each silvicultural unit (MRC Management Plan, 2015). In addition, MRC's Management Plan (2015) prohibits the removal of large woody debris in watercourse protection zones unless it is a road obstruction or is moved for stream restoration work. It is expected that the accumulation of lying dead wood on the project area will be commensurate with recruitment from standing dead trees within the Project Area as a component of our forest management objectives.

The Hollow Tree Project Area has not recently undergone any salvage harvesting (within the last year); however, approximately 77 acres of the project area were subject to salvage logging during the Project's initial reporting period. Therefore, all that must be demonstrated is that the greater of one metric ton of carbon per acre or 1% of standing live carbon stocks is present in standing dead wood, or that progress towards these targets is ongoing on those portions of the Project Area where salvage operations have not been conducted, and the greater of two metric tons of carbon per acre or 2% of standing live carbon stocks is present in standing dead wood, or that progress towards these targets is ongoing on those portions of the Project Area where salvage operations have been conducted. The project currently contains 1.93% of standing live carbon stocks in standing dead wood and 2.24% within portions of the Project Area where salvage operations have been conducted. Therefore, the project currently meets the aforementioned standing dead wood target.

Standing Dead Carbon Stocks are expected accrue on the project area as a result of hardwood removal treatments that do not involve salvage. The method of restratifying harvest areas for depletion results in a slight increase in Standing Dead. However, in order to be conservative, Standing Dead Carbon Stocks are held constant and do not use the results of restratification.

V.A.1

The end of the initial reporting period was changed from December 4, 2015 to June 13, 2016 in part II of the initial OPDR.

V.A.4

The Project Area total acreage was changed from 20,295 acres to 20,300 acres in part V of the initial OPDR and the acreage of project lands within each assessment area was modified in part V.A of the initial OPDR.

V.A.5

The initial standing live and standing dead stocks were updated in Table 16 of the initial OPDR.

V.A.6

The Offset Project Baseline information was brought into the initial OPDR from a separately submitted document and revisions to the Baseline Modeling Plan methodology occurred. Revised methodologies for treating legal constraints, incorporating site index, and silvicultural methods were incorporated. Common Practice Statistics and carbon in harvested wood were added.

V.A.7

The inventory methodology was moved from a separate document, “Carbon Project Inventory Methodology,” into the initial OPDR. Additional inventory methodology detail was provided with respect to plot selection, vegetation type sub classes, acres by vegetation type, consolidation to inventory strata, plot navigation, monumentation, and tree measurements. Additional discussion regarding volumetric corrections for trees with broken tops and a discussion of inventory updates were included.

The description of legal constraints affecting forest management was moved from a separate document, “MRC’s carbon offset modeling plan,” into the body of the initial OPDR.

The financial feasibility analysis was augmented with updated figures and the description of financial feasibility of the baseline scenario was incorporated in the initial OPDR.

VIII.

Carbon stocks presented below are calculated from the initial carbon inventory grown forward in FORSEE to the end of the reporting period, after adjusting for harvesting and vegetation management treatments which occurred during the fourth reporting period.

Carbon Pool	Source	Gross CO2e Tonnes per Acre	Total Gross CO2e Tonnes	SSR
Live Carbon Stocks	Sample Plots	283.89	5,752,869	IFM-1
Standing Dead Carbon Stocks	Sample Plots	5.48	111,153	IFM-3
Sum of CO2-equivalent Tonnes from Required Pools		288.86	5,864,022	
Carbon in in-use Forest Products	Harvest Records	N/A	5,629	IFM-7
Forest Product Carbon in Landfills	Harvest Records	N/A	3,623	IFM-8
Biological emissions/removals from change in harvesting on forestland outside Project Area	Harvest Records	N/A	(10,271)	IFM-14

XI.

Quantification of Net GHG Reductions and GHG removal enhancements:

	Reporting Period	RP4	Notes
1	Actual Onsite Stocks	5,864,022	This is the total carbon in all reported pools within the Project Area, regardless of statistical confidence. ($AC_{\text{onsite}, y}$)
2	Confidence Deduction	0.0%	The confidence deduction is based on the sampling error of the combined estimate of carbon in all onsite carbon pools (see above). (CD_y)
3	Adjusted Actual Onsite Stocks (Adjusted for Confidence Deduction)	5,864,022	Actual onsite carbon stocks adjusted using the confidence deduction. $AC_{\text{onsite}, y} * (1 - CD_y)$
4	Annual Increment in Actual Onsite Carbon Stocks	92,154	Difference from prior year ($\Delta AC_{\text{onsite}}$). In year 1, prior year stocks are assumed to be zero, so difference is equal to initial adjusted onsite carbon stocks.

	Reporting Period	RP4	Notes
5	Baseline Onsite Carbon Stocks	4,727,795	Baseline estimates of onsite carbon stocks are not affected by the confidence deduction. ($BC_{\text{onsite}, y}$)
6	Annual Increment in Baseline Onsite Stocks	0	Difference from prior year ($\Delta BC_{\text{onsite}}$). In year 1, prior year stocks are assumed to be zero, so difference is equal to initial unadjusted) onsite carbon stocks.
7	Quantified GHG Reductions / Removals for Onsite Stocks	92,154	Row 4 minus row 6. ($\Delta AC_{\text{onsite}} - \Delta BC_{\text{onsite}}$)
Accounting for Carbon Stored in Wood Products			
8	Actual Wood Products In-use	5,629	Carbon stored long-term In-use, calculated from actual harvested carbon values. (Component of $AC_{\text{wp}, y}$)
9	Actual Wood Products Landfill	3,623	Carbon stored long-term in landfills, calculated from actual harvested carbon values. If actual harvest volumes for the year(s) are less than baseline harvest volumes, then this value is included in $AC_{\text{wp}, y}$.
10	Actual Wood Products PDM	29,282	Based on actual carbon in standing live carbon stocks harvested in each year(s), prior to delivery to mills (PDM). Used to calculate Secondary Effects.
11	Baseline Wood Products In-use	7,924	Carbon stored long-term In-use, calculated from averaged baseline carbon values. (Component of $BC_{\text{wp}, y}$).
12	Baseline Wood Products Landfill	5,116	Carbon stored long-term in landfills, calculated from averaged baseline carbon values. If actual harvest volumes for the year(s) are less than baseline harvest volumes, then this value is included in $BC_{\text{wp}, y}$.

	Reporting Period	RP4	Notes
13	Baseline Wood Products PDM	80,639	Based on carbon in standing live carbon stocks harvested each year(s) in the baseline analysis, prior to delivery to mills (PDM). Used to calculate Secondary Effects.
14	Difference in Actual and Baseline Carbon Stored in Wood Products	-3,788	Difference between actual and baseline carbon stored long-term in wood products in each year ($AC_{wp,y} - BC_{wp,y}$). May be negative.
15	Quantified GHG Reductions / Removals for Carbon Stored in Wood Products	-3,030	Equal to $(AC_{wp,y} - BC_{wp,y}) * 80\%$ (the Market Response Factor). May be negative.
Accounting for Secondary Effects			
16	PDM Difference	-51,357	The difference between the values in rows 10 and 13, above.
17	Secondary Effect Adjustment	-10,271	Either zero, if the value in row 15 is positive, or 20% of the value in row 16 if it is negative. (SE_y)
Calculation of Total Net GHG Reductions/Removals and Buffer Pool Contribution			
18	Negative Carryover from Prior Year	0	This is any negative amount from the prior year's total net GHG reductions/removals that is not due to a reversal. (N_{y-1})
19	Total Net GHG Reductions/Removals	78,853	Equal to the sum of the values in rows 7, 15, 17, and 18. (QR_y)
20	Total ROCs Issued	78,853	Total number of ROCs that ARB will issue for quantified GHG reductions/removals. ARBOCs are not issued for partial tonnes.
21	Risk of Reversal	19.236	Reversal Risk Rating.

	Reporting Period	RP4	Notes
22	Required Buffer Pool Contribution	15,168	The number of ROCs that must be contributed to the Buffer Pool each year, based on the risk of reversal. Calculated by multiplying the Total ROCs Issued (row 20) by the risk of reversal (row 21). Any remainder must be rounded up to the next tonne.
23	ROCs Issued to the Project	63,685	Total ROCs issued to the Project in each year. Equal to row 20 minus row 22.