

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: 1.1.1.2	Date Report Completed: 7/30/2021	Date Report Submitted: 7/30/2021	
Person Completing Report: Mark Welther	Phone Number: 510-459-1131	Email Address: mark@rffi.org	

PART II. OFFSET PROJECT INFORMATION

Offset Project Name: Usal Redwood Forest IFM			
OPR Project ID#: CAR1139	ARB Project ID# (if known): CAFR5281	Offset Project Commencement Date: June 13, 2007	
Date of Last Full (On-Site) Verification: June 4, 2019	Reporting Period Start Date: January 1, 2020	Reporting Period End Date: December 31, 2020	
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: Usal Redwood Forest Company, LLC		OPO's CITSS ID#: CA 1882	
Mailing Address: 90 W. Redwood Avenue	City: Fort Bragg	State: CA	Zip: 95437
Contact Person: Mark Welther	Phone Number: (510) 459-1131	Email Address: mark@rffi.org	
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:**

Note: Reforestation projects with deferred inventory and Project Boundaries are still required to complete Questions B1-B4.

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?**

If "no," proceed to question 1b. Otherwise, skip to question B2.

See Addendum to OPDR (Annual) IV.B.1.

☒ Yes
☐ No

- b) Describe how the project will result in achieving a 95% native species goal over the project life.**

N/A

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?**

If "no," proceed to questions 2b and 2c. Otherwise skip to question B3.

See Addendum to OPDR (Annual) IV.B.2

☒ 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.**

N/A

- 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).**

The full text associated for the options below is found in section 3.8.1 of the U.S. Forest protocol.

☒ 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

See Addendum to OPDR (Annual) IV.B.3(a).

- 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?**

If "no," proceed to question 3c. Otherwise, skip to question B4.

See Addendum to OPDR (Annual) IV.B.3(b).

☒ Yes
☐ No

Explain how the project demonstrates continuous progress toward meeting this requirement within the next 25 years.

N/A

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?**

For the Initial Reporting Period, check "No." If "No," skip to Part V. If yes, answer questions C1 and C2.

☐ 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.

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?

If "Yes," skip to question B.

☐ 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?

See Addendum to OPDR (Annual) V.A.2.

☒ Yes
☐ No

3. Are there updates to the Land Ownership listing information?

If "Yes," provide updates below (and/or provide as separate attachment):

☐ Yes
☒ No

4. Are there updates to the Offset Project Area listing information?

If "Yes," provide updates below (and/or provide as separate attachment):

See Addendum to OPDR (Annual) V.A.4.

☒ Yes
☐ No

5. Are there updates to the Carbon Stock Inventory listing information?

If "Yes," provide updates below (and/or provide as separate attachment):

See Addendum to OPDR (Annual) V.A.5.

☒ Yes
☐ No

6. Are there updates to the Offset Project Baseline listing information?

If "Yes," provide updates below (and/or provide as separate attachment):

See Addendum to OPDR (Annual) V.A.6.

☒ Yes
☐ No

7. Are there any other updates to the listing information?

If "Yes," provide updates below (and/or provide as separate attachment):

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?

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.

☐ 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?

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."

☐ Yes
☒ No
☐ Defer

Optional: If yes, describe the modifications.

See Addendum to OPDR (Annual) V.D.

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?

If this is for the Initial Reporting Period, check "No."

If "No," skip to question B.

☐ 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 MtCO₂e:

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: 19.24%	☐ 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 (lbs): 2,858,427	☐ 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 (softwood) 56.8 (hardwood)	☐ 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): 2,375	☐ 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
	1/1/2020 to 12/31/2020	to / /	to / /	to / /	to / /	to / /
IFM-1 Standing Live carbon	14,286,769					
IFM-3 Standing Dead Carbon	208,921					
IFM-7 Carbon in in-use Forest Products	742					
IFM-8 Forest Product Carbon in Landfills	478					

IFM-14 Biological emissions /removals from change in harvesting on forestland outside Project Area	-26,112					

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.

See Addendum to OPDR (Annual) XI.

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
	1/1/2020 to 12/31/2020	/ to /	/ to /	/ to /	/ to /	/ to /
IFM-1 Standing Live carbon	9,753,445					
IFM-3 Standing Dead Carbon	231,483					
IFM-7 Carbon in In-use Forest Products	21,767					
IFM-8 Forest Product Carbon in Landfills	14,010					

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.

See Addendum to OPDR (Annual) XI.

	Current Reporting Period 1/1/2020 to 12/31/2020	Current Reporting Period minus 1 year to /	Current Reporting Period minus 2 years to /	Current Reporting Period minus 3 years to /	Current Reporting Period minus 4 years to /	Current Reporting Period minus 5 years to /
A. Secondary Effects (MtCO ₂ e)	-26,112					
B. *Confidence Deduction (%) ☐ Defer	0.0					
C. *Forest Buffer Account Contribution (MtCO ₂ e) ☐ Defer	60,239					
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_v)

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.

See Addendum to OPDR (Annual) XI.

Current Reporting Period	Current Reporting Period minus 1 year to /	Current Reporting Period minus 2 years to /	Current Reporting Period minus 3 years to /	Current Reporting Period minus 4 years to /	Current Reporting Period minus 5 years to /
313,156					

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:

Usal Redwood Forest IFM

from

Reporting Period Start Date:

January 1 , 2020

to

Reporting Period End Date:

December 31, 2020

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:

Mark Welther

PRINTED NAME:

Mark Welther

TITLE:

Primary Account Representative

DATE:

07/30/2021



Usal Redwood Forest IFM

CAR1139, CAFR5281

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 July 30, 2021

Version 1.1.1.2

Offset Project Operator

Usal Redwood Forest Company, LLC
528 South Main St.
Fort Bragg, CA 95437

Reporting Period

The reporting period for this OPDR is from 1/1/2020 to 12/31/2020.

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).

IV.B.1.

Approximately 99.99% of the Project's biomass is in native species, and thus the Project meets the 95% criteria for carbon in native species. Regeneration activities proposed under the Project will utilize only native species.

IV.B.2.

The Usal Redwood Forest IFM Project Area is characterized by a mix of redwood, Douglas-fir, tanoak, madrone and other native hardwoods and conifers. It is estimated that, as of 12/31/2020, the Project Area is composed of approximately 29% Douglas-fir, 26% Redwood, less than 0.15% other conifers, 37% tanoak, 5% Pacific madrone, and 3% other hardwoods by basal area. The Usal Redwood Forest Company intends to manage the timber stands to reduce the hardwood component and increase the conifer component of redwood while 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.

- (a) The Usal Redwood Forest is Forest Stewardship Council (FSC) certified as of September 3, 2015. FSC certification is a third party forest management program that will be used to meet the sustainable long-term harvesting requirements per the Forest Project Protocol for this initial and future reporting periods. Silvicultural prescriptions associated with harvest have been limited to uneven-aged prescriptions and Special Prescriptions in the form of variable retention as defined by section 913.4 of the California Forest Practice Rules while also maintaining canopy cover averaging at least 40 percent across the entire forestland owned by the Forest Owner in the same Assessment Area covered by the Project Area. The Forest Owner owns no other forestland within the Assessment Area covered by the Project Area. As such, the Usal Redwood Forest Project has met the requirement for sustainable long-term harvesting

for the initial reporting period by satisfying the first option under Section 3.8.1 of the Forest Project Protocol.

- (b) As the Project Area is larger than 10,000 acres, the Project Area has been split by CALWATER planning watershed in order to determine compliance with the above requirement. As shown in Table 2 below, the Project is located within 20 CALWATER planning watersheds comprising the South Fork Eel River and Usal Creek watersheds with a relatively small area drained by Cottaneva and Jackass Creeks. Currently no more than 40% of the forested area in each watershed described above is less than 20 years in age.

Table 2: Project Age Class Distribution in 2015

CALWATER Watershed	IDNUM	Project Acreage	Project Acreage < 20 Years Old	% of Acreage < 20 Years
Bear Pen Creek	1111.320404	3,845	35.81	0.9%
Big Dann Creek	1111.320203	8		0.0%
Bridges Creek	1111.320405	61		0.0%
Cedar Creek	1111.320204	10		0.0%
Cottaneva Creek	1113.120101	120		0.0%
Jackass Creek	1113.110200	63	1.62	2.6%
Low Gap Creek	1111.320202	2,049		0.0%
Lower Hollow Tree Creek	1111.320302	3,850	436.69	11.3%
Lower Indian Creek	1111.320504	5,989	503.62	8.4%
Lower Usal Creek	1113.110101	5,286	60.45	1.1%
McCoy Creek	1111.320505	190		0.0%
Middle Hollow Tree Creek	1111.320301	549		0.0%
Mill Creek	1111.320401	1,859	28.48	1.5%
Piercy Creek	1111.320502	2,129	341.38	16.0%
Red Mountain Creek	1111.320403	0		0.0%
Standley Creek	1111.320501	5,046	34.01	0.7%
Upper Indian Creek	1111.320503	2,812	507.39	18.0%
Upper Sproul Creek	1111.320703	6		0.0%
Upper Usal Creek	1113.110102	9,971	235.72	2.4%

CALWATER Watershed	IDNUM	Project Acreage	Project Acreage < 20 Years Old	% of Acreage < 20 Years
Wildcat Creek	1111.320402	4,138	164.66	4.0%
Grand Total		47,982	2,349.82	4.9%

IV.B.4.

URFC does not actively remove lying dead wood as a part of its stand management activities. It is expected that the accumulation of lying dead wood will be commensurate with recruitment from standing dead trees. URFC is committed to maintaining and increasing, the number of standing dead trees within the Project Area as a component of its forest management objectives. URFC has not recently conducted any salvage operations, nor does it intend in the future to actively pursue aggressive salvage operations on its timberlands. URFC may conduct salvage harvesting in the future, but with the goal of maintaining a component of standing dead trees in the post treatment stands.

In the case of the Usal Redwood Forest IFM, the Project Area has not undergone any recent salvage harvesting. 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. The project currently contains an average of 1.19 Mg C per acre and 1.5% of standing live carbon stocks in standing dead wood. The project will continue to make progress towards the above mentioned standing dead wood target.

V.A.

The following information is copied from the Annual OPDR addendum for the initial reporting period submitted on November 14, 2016, no additional changes to the listing information have been made in this Annual OPDR:

The information provided in the OPDR form for the initial reporting period and this annual OPDR form includes some corrections, and adjustments to the calculations to the Project data,

listed below. The following adjustments to the Application for Listing and Improved Forest Management U.S. Forest Offset Project are listed by section number in *italic* as they appear on the listing form:

V.A.2.

Updated OPO Information:

I

The Organization has been changed to Usal Redwood Forest Company, LLC.

III.A.

The OPO has been changed to Usal Redwood Forest Company, LLC., with CITSS ID# CA1882, and a new mailing address.

V.A.4.

Updates to the Offset Project Area Listing Information:

V

The listing form inadvertently included the wrong project acreage as 49,571.24. The correct value is 47,981.54.

V.C.

The Project Area acreage changed from 47,979.24 acres to 47,981.54 acres. The Project Area changed slightly to reflect the removal of road acres from the Project Area in the GIS. Originally the road buffers were subtracted from the Project Area and not removed from it.

V.H.

The Usal Redwood Forest is now FSC certified.

VI.B.3

As of September 3, 2015, the Usal Redwood Forest received FCS certification that will be used to meet the sustainable long-term harvesting requirements per the Forest Project Protocol.

VI.C

The description of the management activities that will lead to increased carbon stocks on the Project Area has been revised.

V.A.5.

Updates to the Carbon Stock Inventory Listing Information:

VII.A.

The Project's carbon stock update procedure has been moved from the listing addendum to Initial OPDR Attachment N. And, IFM-7 & 8 has been updated to reflect harvesting that occurred during the initial reporting period.

VII.B.

IFM-3 - Data on standing dead trees were collected as a part of the 2015 Usal Redwood Forest IFM inventory.

VII.C.

IFM-1, IFM-3, IFM-14 preliminary values were updated utilizing the 2015 Usal Redwood Forest IFM inventory and corrections were made to the data used to calculate defects and regress tree heights. The values for IFM-7 and IFM-8 changed to reflect these changes and the harvest in the initial reporting period.

VII.D.

Preliminary values were updated utilizing the Usal Redwood Forest IFM inventory as of the end of the reporting period.

VII.E.

The contribution to the Forest Buffer Account has been added, and updated to reflect the Project's carbon stock inventory as of the end of the reporting period.

V.A.6.

Updates to the Offset Project Baseline Listing Information:

VIII.A.5.

The listing information included estimates of carbon that will be stored long-term in harvested wood products. The carbon that will be stored long-term in harvested wood products has been revised to be consistent with the COP.

VIII.B.1-3.

These previously estimated carbon stock values have been updated with corrected inventory data, and revised to be consistent with the requirements of the COP.

VIII.B.4.

At the Project's commencement date of 06/13/2007, the Project's initial above-ground standing live carbon stocks were below the Common Practice statistic.

VIII.B.5.

Because the Project's initial above-ground standing live carbon stocks were below Common Practice, the MBL is determined using Equation 6.6 in the Forest Project Protocol. References to Equation 6.5 have been changed to Equation 6.6. Also in this section, variable numbers have changed.

V.A.7.

Other Updates to the Listing Information:

IX.B.

Since listing, credits were issued to the Usal Redwood Forest Project (CAR730) and are listed in the Initial OPDR by vintages.

X.I.

The Project is now below Common Practice, thus a justification for the reasonable accuracy of the calculated High Stocking Reference for the Project Area and the volume harvested over the past ten years is included in the initial OPDR as Attachment J.

VII.

Harvesting occurred during RP6. All harvested stands were reviewed, mapped, stratified, and inventoried to account for the harvesting that occurred.

VIII.

Carbon Pool	Source	Gross CO2e Tonnes per Acre	Total Gross CO2e Tonnes	SSR
Live Carbon Stocks	Sample Plots	297.76	14,286,769	IFM-1
Standing Dead Carbon Stocks	Sample Plots	4.35	208,921	IFM-3
Sum of CO2-equivalent Tonnes from IFM-1 & IFM-3		302.11	14,495,689	
Carbon in in-use Forest Products	Harvest Records	N/A	742	IFM-7
Forest Product Carbon in Landfills	Harvest Records	N/A	478	IFM-8
Secondary Effects	Harvest Records/Baseline	N/A	-26,112	IFM-14

XI.

Quantification of Net GHG Reductions and GHG removal enhancements:

	Reporting Period	RP6	Notes
1	Actual Onsite Stocks	14,495,689	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)	14,495,689	Actual onsite carbon stocks adjusted using the confidence deduction. $AC_{\text{onsite}, y} * (1 - CD_y)$
4	Annual Increment in Actual Onsite Carbon Stocks	366,913	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.
5	Baseline Onsite Carbon Stocks	9,984,928	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	366,913	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	742	Carbon stored long-term In-use, calculated from actual harvested carbon values. (Component of $AC_{\text{wp}, y}$)

	Reporting Period	RP6	Notes
9	Actual Wood Products Including Landfill	1,220	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_{wp, y} .
10	Actual Wood Products PDM	4,610	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	21,767	Carbon stored long-term In-use, calculated from averaged baseline carbon values. (Component of BC_{wp, y}).
12	Baseline Wood Products Landfill	14,010	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_{wp, y} .
13	Baseline Wood Products PDM	135,168	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	-34,557	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	-27,646	Equal to (AC_{wp, y} - BC_{wp, y}) * 80% (the Market Response Factor). May be negative.
Accounting for Secondary Effects			

	Reporting Period	RP6	Notes
16	PDM Difference	-130,558	The difference between the values in rows 10 and 13, above.
17	Secondary Effect Adjustment	-26,112	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	313,156	Equal to the sum of the values in rows 7, 15, 17, and 18. (QR_y)
20	Total ARBOCs Issued	313,156	Total number of ARBOCs that ARB will issue for quantified GHG reductions/removals. ARBOCs are rounded to the nearest tonne.
21	Risk of Reversal	19.24%	Reversal Risk Rating from Table 6 above.
22	Required Buffer Pool Contribution	60,239	The number of ARBOCs that must be contributed to the Buffer Pool each year, based on the risk of reversal. Calculated by multiplying the Total ARBOCs Issued (row 20) by the risk of reversal (row 21). Rounded to the nearest tonne.
23	ARBOCs Issued to the Project	252,917	Total ARBOCs issued to the Project in each year. Equal to row 20 minus row 22.