

APPLICATION FOR LISTING AN IMPROVED FOREST MANAGEMENT U.S. FOREST OFFSET PROJECT

OPR Staff Use Only	Date Application Received:	OPR Tracking Number:	Date Application Reviewed:	OPR Staff Use Only
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PART I. ENTITY APPLYING FOR LISTING

Is this form being submitted by the Offset Project Operator (OPO) or by the Authorized Project Designee (APD)?

Notes:

- The person completing this form should be an OPO/APD employee.
- If the APD is submitting this form, the OPO should submit the form *Designation of Authorized Project Designee* simultaneously.

☒ OPO
☐ APD

Name of Person Completing Form: Sarah Billig	Organization, if applicable: Mendocino Redwood Company, LLC	
Date Form Completed: 9/29/2015	Phone Number: 707-463-5125	Email Address: sbillig@mendoco.com

PART II. OFFSET PROJECT INFORMATION

Offset Project Name: Hollow Tree		
Offset Project Commencement Date: June 4, 2015	First Reporting Period Start Date: June 4, 2015	First Reporting Period End Date: December 4, 2015

Provide an explanation and justification for the commencement date. Specify the action(s) that identify the offset project commencement date.

Forest management designed to increase forest inventory and carbon stocking - including treatment of competing vegetation to increase growth of conifers, planting conifer trees in conifer stocking areas; and use of uneven-aged management as the forest management regime. The specific date signifies the initiation of a property-wide forest inventory designed to capture these increases in carbon stocking - boots on the ground June 4, 2015.

PART III. OPO/APD INFORMATION

A. OPO

OPO Name: Mendocino Redwood Company, LLC		OPO's CITSS ID#: CA 1942	
Mailing Address: PO 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. LAND OWNERSHIP

A. Is the Offset Project Operator (OPO) the owner in fee for the Project Area?

Further documentation is required for all projects. Submit as attachment labeled "Attachment A." See Part X of this listing document for more information.

☒ Yes
☐ No

If "no," explain how the entity identified as the OPO has the right to undertake and list the project.

B. List all Forest Owners. This includes owners in fee as well as third parties with existing property interests within the Project Area that affect the trees and standing timber located in the Project Area (e.g. mineral rights, timber rights, easements, rights of way, leases, etc.).

Mendocino Redwood Company, LLC

C. Does the offset project occur on public or private lands?

If the project occurs on public lands, proceed to questions C1 and C2. Otherwise, skip to question D. Further documentation is required if project occurs on public lands. Submit as attachment labeled "Attachment B." See Part X of this listing document for more information.

☒ **Private**
☐ **Public**

1. Describe the public process that has been used to approve forest management activities and baseline.

2. Describe the documentation being submitted with this listing document demonstrating approval of planned forest management activities and baseline.

D. Will the project employ a Qualified Conservation Easement (QCE)?

If employing a QCE, proceed to questions D1, D2, and D3. Otherwise, skip to question E. Supporting documentation for a QCE is required. Submit as attachment labeled "Attachment C." See Part X of this listing document for more information.

☐ **QCE**
☐ **Public Ownership**

1. Date that the QCE was or will be recorded.

2. Will the project take place in a state that requires third-party beneficiaries to sign the easement (i.e., to "accept and record that acceptance"), such as Arizona, Pennsylvania, or West Virginia?

☐ **Yes**
☐ **No**

3. Provide the terms within the easement that affect forest management.

E. Does the offset project occur on any of the following categories of land? (check all that apply)

- ☐ Land that is owned by, or subject to, an ownership of possessory interest of a Tribe
☐ Land that is "Indian lands" of a Tribe as defined by 25 U.S.C. §81(a)(1)
☐ Land that is owned by any person, entity, or Tribe, within the external borders of such Indian lands
☒ **None of the above**

If "none of the above," skip to Part V. Otherwise, proceed to questions E1 and E2.

Further documentation is required for projects occurring on land listed in the first three categories. Submit supporting documents as attachments labeled "Attachment D." See Part X of this listing document for more information.

1. Does a limited waiver of sovereign immunity between ARB and the governing body of the Tribe exist?

☐ **Yes**
☐ **No**

2. Describe how the land within the Project Area is owned.

PART V. OFFSET PROJECT AREA

Maps depicting specific elements of the Project Area are required for all projects. Submit supporting documentation as attachments labeled "Attachment E." See Part X of this listing document for more information.

Latitude of Offset Project Location:

39 deg 46' 18.27"

Longitude of Offset Project Location:

123 deg 44'31.42"

Project Area Total Acreage:

20,295

A. Identify the assessment area (or assessment areas, if project crosses more than one) that contain Project Area lands and list the acreage of project lands within each assessment area.

Northern California Coast -- Coast Redwood/Douglas-fir Mixed Conifer (high and low site)

B. Identify the governing jurisdiction(s) applicable to the Project Area.

Cal-Fire; California Department of Fish and Wildlife; United States Fish and Wildlife Service; North Coast Regional Water Quality Control board

C. Describe how the Project Area was determined.

The project area is a sustainability unit within MRC's larger forestlands. Exclusions were carefully considered and were designated because management of these parcels will be more heavily influenced by activities of neighbors than by MRC management

D. Describe the existing land cover, and land use of the Project Area.

The project area consists primarily of forested land utilized for forest management purposes. A small excluded portion of MRC forestlands non-contiguous with the project.

E. Describe the forest vegetation types within the Project Area boundary.

The project area consists primarily of second and third growth redwood and Douglas-fir forests. The

project area consists primarily of redwood and Douglas-fir trees; as well as a hardwood component of tanoak and madrone. The project area includes patches of native oak woodland and grasslands (these non-timbered areas are excluded from carbon assessments).	
F. Describe the site classes within the Project Area boundary. MRC forestlands include Site Class 2-4	
G. Describe the land pressures and climate zone/classification applicable to the Project Area. Limited land pressures in this area for development - most land is utilized for timber production or private ranches. Project is located in Climate Zone 1	
H. Describe the historical land uses, current zoning, and projected land use within the Project Area and surrounding areas. These lands have been managed for timber harvest dating back to the early 1850's by a variety of owners. Historical harvesting included a heavy reliance on clearcutting and burning. As a result, the redwood and Douglas-fir trees on the land were substantially reduced and the tanoak component grew out of balance. Zoning is timber production zone. Projected land use is continued management for sustainable production of redwood and Douglas-fir sawlogs, with increasing forest inventory over time	
I. Describe generally the forest conditions within the Project Area, including species composition, age class distribution, and management history. Vegetation consists primarily of redwood, Douglas-fir, tanoak, madrone, and herbaceous species including sword fern and redwood sorrel. The project area consists primarily of second and third growth redwood and Douglas-fir forests. These lands have been managed for timber harvest dating back to the early 1850's by a variety of owners. Historical harvesting included a heavy reliance on clearcutting and burning. As a result, the redwood and Douglas-fir trees on the land were substantially reduced and the tanoak component grew out of balance.	
PART VI. OFFSET PROJECT ELIGIBILITY	
A. Does the project take place on land that has greater than 10 percent tree canopy cover? <i>Supporting documentation is required. Submit as attachment labeled "Attachment F." See Part X of this listing document for more information.</i>	☒ Yes ☐ No
B. Indicate how the offset project meets (or will meet) the definition of Natural Forest Management per Table 3.2 in the Compliance Offset Protocol US Forest Offset Projects, November 14, 2014:	
1. Native species:	
a) Will 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 meet this requirement. (Improved Forest Management Projects will be assessed using estimates of basal area per acre.)	
2. Composition of native species:	
a) Does the Project Area naturally consist of a mixed species distribution where no single species' prevalence, measured as the percent of basal area of all live trees in the Project Area, 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 will meet the requirement for sustainable management if commercial harvesting is either planned or ongoing 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). ☐ Not applicable; no commercial harvesting is occurring within the Project Area. ☒ Third party certification under the Forest Stewardship Council, Sustainable Forestry Initiative, or Tree Farm System, whose certification standards require adherence to and verification of harvest levels which can be permanently sustained over time. ☐ Adherence to a renewable long-term management plan that demonstrates harvest levels which can be permanently sustained over time and that is sanctioned and monitored by a state or federal agency. ☐ Employ uneven-aged silvicultural practices and maintain canopy retention averaging at least 40% across the forest, as measured on any 20 acres within the entire forestland owned by the Forest Owner, including land within and outside of the Project Area (areas impacted by Significant Disturbance may be excluded from this test).	
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
c) Explain how the project intends to show continuous progress toward meeting this requirement within the next 25 years.	
4. Structural elements (standing and lying dead wood): How will the project ensure that structural elements are retained in sufficient quantities throughout the project life? MRC's management plan requires retention of pre-existing downed wood unless downed wood targets have been met. MRC has also implemented a "Wildlife Tree Policy" in agreement with the California Department of Fish and Game. The Wildlife Tree Policy requires that MRC foresters retain a minimum of 2 snags and 1 wildlife tree per acres (1 tree ≥ 24" dbh, and 2 trees ≥ 16" dbh). If enough wildlife trees and snags do not exist at the time of harvest, foresters must mark for retention and recruitment enough trees to meet a 3 tree per acre minimum (1 tree ≥ 24" dbh, and 2 trees ≥ 16" dbh) averaged over a silvicultural unit; as well as a minimum retention of downed wood. MRC's management plan includes the following requirements for downed wood: (1) all large woody debris (LWD) in watercourse protection zones will be retained unless it is removed for road construction or moved for riparian and stream restoration work; (2) in watercourse protection zones, MRC will recruit and retain a minimum of 7 downed logs/acre (minimum 16 inch average diameter, 10 foot length) averaged over a silvicultural unit; (3) in general forested areas, MRC will recruit and retain a minimum of 5 downed logs/acre (minimum 16 inch average diameter, 10 foot length) averaged over a silvicultural unit; (4) all unmerchantable logs generated from current operations will be returned to the forest floor prior to the removal of equipment, unless they will be used for stream restoration purposes; (5) unmerchantable logs from past operations will be returned to the forest floor or used for watercourse enhancement projects when equipment is available in the area.	
C. Describe the management activities that will lead to increased carbon stocks in the Project Area, compared to the baseline. Limited harvest in streamside zones, old growth tree protections, retention of wildlife and recruitment trees, harvest practices that lead to increased inventory on an annual basis, etc.	
D. Is this project being implemented and conducted as the result of any law, statute, regulation, court order, or other legally binding mandate? If "yes," explain:	☐ Yes ☒ No
E. Will the offset project employ broadcast fertilization?	☐ Yes ☒ No
F. Does the offset project take place on land that was part of a previously listed and verified Forest Offset Project? <i>If "yes," proceed to questions E1 and E2. Otherwise, skip to Part VII.</i>	☐ Yes ☒ No

1. Was the previous Forest Offset Project terminated due to an Unintentional Reversal?	☐ Yes ☐ No
2. Is the project transitioning to the Compliance Offset Protocol U.S. Forest Projects, November 14, 2014, after previously being listed as an early action offset project?	☐ Yes ☐ No

PART VII. CARBON STOCK INVENTORY

- A. Provide a general description of the inventory methodology to be used to quantify carbon stocks for each required carbon pool in the forest project's offset boundary. The inventory methodology must describe the information required in Appendix A.3 of the Compliance Offset Protocol U.S. Forest Projects, November 14, 2014.**

IFM-1 Standing Live:

Please refer to attached document "Carbon Project Inventory Methodology" for discussion of the inventory methodology for all pools.

IFM-3 Standing Dead:

IFM-6 Soil (if applicable):

IFM-7 Carbon in in-use forest products:

IFM-8 Forest product carbon in landfills (if applicable):

IFM- 9 Biological emissions from site preparation:

IFM-14 Biological emissions/removals from change in harvesting on forestland outside project area:

IFM-17 Biological emissions from decomposition of forest products:

- B. Describe the calculation methodologies to be used to determine metric tons per acre for each of the carbon pools included in the Offset Project Data Report.**

IFM-1 Standing Live:

Please refer to the attached document "Carbon Project Inventory Methodology" for discussion of the calculation methodology for all pools

IFM-3 Standing Dead:

IFM-6 Soil (if applicable):

IFM-7 Carbon in in-use forest products:

IFM-8 Forest product carbon in landfills (if applicable):

IFM- 9 Biological emissions from site preparation:

IFM-14 Biological emissions/removals from change in harvesting on forestland outside project area:

IFM-17 Biological emissions from decomposition of forest products:

- C. Provide a summary of the inventory of carbon stocks for each carbon pool (or approach used, if inventory is not applicable).**

IFM-1 Standing Live:

Please refer to the attached document "Carbon Project Inventory Methodology" for discussion of the calculation methodology for all pools. Summary of stocks not currently available as project inventory is not complete.

IFM-3 Standing Dead:

Please refer to the attached document "Carbon Project Inventory Methodology" for discussion of the calculation methodology for all pools. Summary of stocks not currently available as project inventory is not complete.

IFM-6 Soil (if applicable):

Soil carbon is a required pool in cases where site preparation activities involve deep ripping, furrowing, or plowing where soil disturbance exceeds 25 percent of the project area, or where mechanical site preparation activities are not conducted on contours. MRC does not engage in any of these activities, therefore IFM-6 is not a required pool and is not being reported. Not applicable

IFM-7 Carbon in in-use forest products:

Not available; project commencement is date of initiation of inventory.

IFM-8 Forest product carbon in landfills (if applicable):

Not available; project commencement is date of initiation of inventory.

IFM- 9 Biological emissions from site preparation:

Soil carbon is a required pool in cases where site preparation activities involve deep ripping, furrowing, or plowing where soil disturbance exceeds 25 percent of the project area, or where mechanical site preparation activities are not conducted on contours. MRC does not engage in any of these activities, therefore IFM-9 is not a required pool and is not being reported. Not applicable.

IFM-14 Biological emissions/removals from change in harvesting on forestland outside project area:

Not available; project commencement date of initiation of inventory.

IFM-17 Biological emissions from decomposition of forest products:

Not available; project commencement is date of initiation of inventory.

D. Provide a summary of the estimated inventory confidence statistics.

Not available at time of listing; carbon inventory is in-process

E. Provide the calculation of the offset project's reversal risk rating and expected contribution to the Forest Buffer Account.

Reversal risk rating is 19.2%. The buffer pool contribution is not available at listing.

PART VIII. OFFSET PROJECT BASELINE

A. Required for ALL Improved Forest Management Projects

1. Describe the project's modeling plan, following the requirements and methods in Appendix B, Section B.3 of the Compliance Offset Protocol U.S. Forest Projects, November 14, 2014.

Please refer to included document, "MRC's carbon offset modeling plan"

2. Describe and estimate the project's baseline onsite carbon stocks. Explain any annual changes in baseline carbon stocks over time.

Please see Attachment G

A graph portraying the baseline onsite carbon stocks, labeled "Attachment G," and a diagram of the baseline incorporating all required carbon stocks, labeled "Attachment H," are required. See Part X of this listing document for more information.

3. Identify the approved growth model that will be used for the project.

CRYPTOS

4. Harvest Planning

a. Is harvesting planned in the Project Area?

If "yes," proceed to question 4b. Otherwise, skip to question A5.

☒ Yes
☐ No

b. Will the project use a harvest schedule model?

If "yes," proceed to question 4c. Otherwise, skip to question A5.

☒ Yes
☐ No

c. How do you plan to address age class and stratification as part of your harvest scheduling?

MRC's baseline scenario is based on uneven-aged silviculture. As such, age class is not a relevant attribute with regard to harvest scheduling. Harvest scheduling in the baseline is driven primarily by the basal area stocking standards in the forest practice rules and constraints on silvicultural options that are primarily related to landscape factors such as riparian buffers and northern spotted owl territories. Stratification affects the expansion of inventory data over the landscape and the formation of analysis units for modeling, but is not a factor per se in the harvest scheduling. Silviculture choices in the baseline modeling are based on landscape factors and stand conditions including basal area stocking, and not on stratification labels.

5. Provide an estimate of carbon that will be stored long-term in harvested wood products in the baseline.

An estimate of carbon in harvested wood products derived from modeling the baseline scenario is not available at time of listing. Carbon in harvested wood products is calculated following the procedures in Appendix C of the protocol and is based on the assumption that the baseline

sawlog harvest will be 80% of CMAI (cubic foot mean annual increment) calculated from site tree data, and will be 1/3 Douglas-fir and 2/3 redwood. Under these assumptions, annual harvested wood products, in-use, amount to 10,592 metric tonnes CO₂e, and annual harvested wood products in landfills amount to 6,824 metric tonnes CO₂e.

B. Required for Improved Forest Management Projects on Private Lands ONLY

1. Provide the estimated initial above ground standing live carbon stock per acre for the project, if known.
At the time of listing our best estimate of above ground live carbon stocking per acre is derived from our annually updated forest inventory. The estimated stocking is 182 tonnes per acre, CO₂e.

2. Provide the estimated adjusted above ground standing live carb stock per acre, if known.
We anticipate that our smapling error will be below 5 percent, and that an adjustment will be unnecessary. Our estimated adjusted above ground initial stocking is 182 tonnes per acre, CO₂e.

3. Provide the Common Practice statistic associated with the Project Area.
At the time of listing, site class data required for calculating the Common Practice value are not available. Our best estimate of the weighted average Common Practice value is derived from site tree data in the annually update forest inventory for the project area. These data show that 18% of the site trees fit into "low" site class group and 82% of the site trees fit into "high" site class group. The project is entirely within the Northwestern California Coast supersection and the Coast Redwood/Douglas-fir Mixed Conifer assessment area. The weighted average common practice value is 184 tonnes/acre.

4. Are the Project Area's initial above-ground standing live carbon stocks per acre above or below Common Practice? If below Common Practice, what is the High Stocking Reference for the Project Area? <i>Further documentation is required if project below Common Practice. Submit supporting documents as attachments labeled "Attachment I." See Part X of this listing document for more information.</i>	☒ Above ☐ Below
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5. Does the Forest Owner(s) and its affiliate(s) own land in fee or hold timber rights on land outside the Project Area? <i>If "no," skip to question B.6.</i>	☒ Yes ☐ No
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If "yes" does the Protocol require the use of a weighted average carbon stock on lands in the same Logical Management Unit (LMU, as defined in Section 6.2.1.1)? <i>If "no," skip to question B.6.</i>	☒ Yes ☐ No
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If "yes," is inventory data available for the LMU or will the OPO use a stratified vegetation analysis?	☒ Data available for LMU ☐ Stratified Vegetation Analysis
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6. Provide a general description of the legal constraints affecting forest management activities in the Project Area; include a description of each constraint (referring to Section 6.2.1.2 in the Protocol) as well as a narrative those constraints have on forest management.
See included document "MRC's carbon offset modeling plan"

7. Provide a description of the modeling techniques used to simulate the effects of the constraint.
See included document "MRC's carbon offset modeling plan"

8. How does the OPO demonstrate financial feasibility of the growth and harvesting regime assumed for the baseline? (check one of the boxes)
☐ Conducting a financial analysis of the anticipated growth and harvesting regime that captures all relevant costs and returns, taking into consideration all legal, physical, and biological constraints, using regional norms or documented costs and returns for the project area or other properties in the Forest Project's Assessment Area
☒ Providing evidence that activities similar to the proposed baseline growth and harvesting regime have taken place on other properties within the Forest Project's Assessment Area within the past 15 years
Supporting documentation is required. Submit as attachment labeled "Attachment J." See Part X of this listing document for more information.

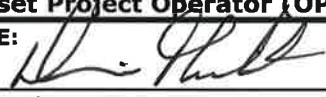
C. Required for Improved Forest Management Projects on Public Lands ONLY

1. Has an initial forest carbon inventory been conducted for the Project Area?	☐ Yes ☐ No
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2. Provide a projection of future changes to Project Area forest carbon stocks extrapolating from historical trends.

3. Explain how current public policy will affect onsite carbon stocks and how the baseline modeling incorporates constraints imposed by all applicable statutes, regulations, policies, plans, and activity-based funding.			
4. Have carbon stocks in the Project Area been increasing or declining over the preceding ten-year period?			☐ Increasing ☐ Declining
PART IX. ADDITIONAL QUESTIONS			
A. Have any lands within the Project Area ever been listed or registered with an offset project registry or program in the past? <i>If "yes," identify the registry or program and provide details on the issued credits below.</i>			☒ Yes ☐ No
B. Have greenhouse gas emission reductions or removal enhancements associated with lands within the Project Area been credited or claimed for the purpose of greenhouse gas mitigation or reduction goals, whether in a voluntary or regulatory context? <i>If "yes," identify the registry or program and provide details on the issued credits below.</i>			☐ Yes ☒ No
Registry/Program: CAR	Reporting Period(s): Withdrawn	Vintage(s): Withdrawn	Number of Credits Issued: Withdrawn
PART X. ATTACHMENTS			
A. If the answer to Part IV.A is "yes," provide documentation (e.g., deed of trust, title report, etc.) showing the OPO's ownership interest in the property and its interest in the trees and standing timber on the property. If the answer to Part IV.A is "no," provide documentation supporting the explanation of the OPO's right to undertake and list the project.			
B. If the answer to Part IV.C is "public," provide documentation demonstrating explicit approval of the offset project's management activities and baseline including any public vetting processes necessary to evaluate management and policy decisions concerning the offset project. ☒ N/A			
C. If a Qualified Conservation Easement (QCE) has been recorded, provide a copy. The listing information contained in this form and the documents attached to it will eventually be submitted to ARB so submitting a copy of the QCE as an attachment to this listing document fulfills the requirement in 9.1.1.1(18)(a) of the Compliance Offset Protocol U.S. Forest Projects, November 14, 2014 to provide ARB with a copy. ☒ N/A			
D. If the project is located on one of the categories of Tribal land listed in Part IV.E, provide documentation demonstrating that the land within the Project Area is owned by a tribe or private entity. Also provide documentation that demonstrates the existence of a limited waiver of sovereign immunity between ARB and the governing body of the Tribe entered into pursuant to section 95975(I) of the Cap-and-Trade Regulation. ☒ N/A			
E. Attach map(s) of the Project Area including: 1. Public and private roads 2. Towns 3. Major watercourses (4th order or greater), water bodies, and watersheds 4. Topography 5. Townships, ranges, and sections or latitude and longitude 6. Existing land cover and land use (optional) 7. Forest vegetation types (optional) 8. Site classes (optional) 9. Land pressures and climate zone/classification (optional) 10. Historical land uses, current zoning, and projected land use within the Project Area (optional) 11. A georeferenced shape file (or other electronic file that can be read in a geographic information system) that clearly identifies the Project Area and boundaries. <i>Note that the georeferenced shape file may constitute the required map if it includes the required map information listed above.</i>			
F. Provide supporting documentation demonstrating that the offset project takes places on land that has greater than 10 percent tree canopy cover.			
G. Attach a graph portraying the baseline onsite carbon stocks with time depicted on the x-axis and metric tons CO₂e depicted on the y-axis.			
H. Attach a diagram of the baseline incorporating all required carbon stocks.			
I. For projects on <u>private lands ONLY</u>: If the Project Area's initial above-ground standing live carbon stocks are below Common Practice, submit an affidavit testifying that the inventory depicted over the past 10 years (used to determine the High Stocking Reference for the Project Area) is reasonably accurate and a summary of volume harvested over the past 10 years. ☒ N/A			
J. For projects on private lands ONLY: Provide a description and supporting evidence, if applicable, that the growth and harvesting regime assumed for the baseline is financially feasible based on the qualifications in Section 6.2.1.3			

PART XI. ATTESTATIONS AND OPO SIGNATURE

 Initial	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	Crediting Period Start Date: June 4, 2015	to Crediting Period End Date: June 3, 2040
will be measured in accordance with the Compliance Offset Protocol U.S. Forest Projects, November 14, 2014, and all information required to be submitted to ARB is true, accurate, and complete.				
 Initial	I understand I am voluntarily participating in the California Greenhouse Gas Cap-and-Trade Program under title 17, article 5, and by doing so, I am now subject to all regulatory requirements and enforcement mechanisms of this program and subject myself to the jurisdiction of California as the exclusive venue to resolve any and all disputes arising from the enforcement of provisions in this article.			
 Initial	I understand that the offset project activity and implementation of the offset project must be in accordance with all applicable local, regional, and national environmental and health and safety laws and regulations that apply to the offset project location. I understand that offset projects are not eligible to receive ARB or registry offset credits for GHG reductions and GHG removal enhancements that are not in compliance with the requirements of the cap-and-trade program.			
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 an Account Representative of the Offset Project Operator (OPO).				
SIGNATURE: 		PRINTED NAME: Dennis Thibeault		
TITLE: VP, Forestry		DATE: 10-9-15		

Background for Application of Listing an Improved Forest Management U.S. Forest Offset Project

Section 95975 of the Cap-and-Trade Regulation describes the requirements and process for an Offset Project Operator (OPO) or Authorized Project Designee (APD) to list an offset project with an approved Offset Project Registry. This form is designed to help an OPO or APD fulfill the requirements of Section 95975 of the Cap-and-Trade Regulation and of Section 9.1.1 of the Compliance Offset Protocol U.S. Forest Projects, November 14, 2014, for listing an offset project. The U.S. Forest protocol designates three project types: Avoided Conversion, Improved Forest Management, and Reforestation. This form is designed for Improved Forest Management projects only. The information in the completed form should be submitted to the approved Offset Project Registry with which the OPO or APD would like their offset project listed.

Where to Submit Information Contained in This Form

Please complete the information on the form using your computer. Then print, sign, and scan the form. The completed and signed information and all supporting documentation should be submitted to the appropriate [Offset Project Registry](#).

Copies of this form can be downloaded from the ARB website at:
<http://www.arb.ca.gov/cc/capandtrade/offsets/forms/forms.htm>

Detailed Instructions for Application for Listing an Improved Forest Management U.S. Forest Offset Project

This form is protected with restricted editing to facilitate completing the form. If the applicant wishes to unprotect the form, the password is "form".

Part I. Entity Applying for Listing:

- Indicate whether the Offset Project Operator (OPO) or Authorized Project Designee (APD) is submitting the information for project listing. Section 95975(a) of the Cap-and-Trade Regulation requires that the OPO and, if applicable, the APD must register with ARB for the Cap-and-Trade Program prior to listing a project. It also requires that neither the OPO nor APD be subject to any Holding Account restrictions imposed as part of an enforcement action. To register with ARB, please visit the website for Compliance Instrument Tracking System Services (CITSS): <https://www.wci-citss.org/>
- List the name, organization, phone number, and email address of the person submitting the information. This person should be an employee of the OPO or APD, whichever entity is making the submission. The person submitting the information need not be the same person as the contact person listed for the OPO or APD in Part III and also need not be the person signing the form in Part XI.
- The person submitting the information should indicate the date the form is completed.

Part II. Offset Project Information:

- Provide the name for the offset project. Indicate the offset project commencement date and the start and end dates of the first reporting period; approximations are acceptable if precise dates are unknown.
- Project commencement for an Improved Forest Management Project must be linked to a discrete, verifiable action that delineates a change in practice that increases sequestration and/or decreases emissions relative to the forest project's baseline. This date could be when the Project Area is transferred to public ownership, when a conservation easement on the Project Area is recorded, or when submitting the offset project listing information.

Part III. OPO/APD Information:

- Enter contact information for the OPO and APD requesting the offset project listing. Every offset project will have an OPO. If an offset project does not have an APD, please mark the box indicating the Offset Project does not have an APD and leave the remaining fields blank.
- For both the OPO and, if applicable, the APD, enter the entity's name, its mailing address, and the name, phone number, and email address of a contact person for the entity. Also include its CITSS ID number. The CITSS ID is six characters in length, with two letters followed by four numbers (e.g.,

"CA1234"). **DO NOT PROVIDE THE CONFIDENTIAL CITSS ACCOUNT NUMBER**, which begins with the CITSS ID number followed by a hyphen and more numbers.

Part IV. Land Ownership:

- This part includes questions regarding land ownership and property interests.
- Further documentation is required based on the responses to some questions. See Part X of this listing form for more information on the precise requirements.

Part V. Offset Project Area:

- This part asks for qualitative descriptions of the offset Project Area.
- Maps are required to complement the descriptions provided in this part. See Part X of this listing form for more information on the precise requirements.
- The Project Area should be determined following the requirements of Section 4 of the Compliance Offset Protocol U.S. Forest Projects, November 14, 2014.
- Assessment areas shall be determined by referencing the Assessment Area Data File available at: <http://www.arb.ca.gov/cc/capandtrade/protocols/usforestprojects.htm>

Part VI. Offset Project Eligibility:

- The questions in this part are designed to facilitate the determination of project eligibility for Improved Forest Management Projects.
- Further documentation is required based on the responses to some questions. See Part X of this listing form for more information on the precise requirements.
- Details on the eligibility requirements for Improved Forest Management Projects can be found in Sections 2.1.2, 3.1, and 3.8 of the Compliance Offset Protocol U.S. Forest Project, November 14, 2014.
- Details on the Natural Forest Management criteria can be found in Table 3.2 in the Compliance Offset Protocol U.S. Forest Project, November 14, 2014.

Part VII. Carbon Stock Inventory:

- Projects are not required to have completed a full carbon stock inventory at the time of listing, but OPOs/APDs should be familiar with Appendix A and have a plan for how they will meet the requirements therein. Therefore, a general description of the project's inventory methods and procedures, consistent with the requirements in Appendix A.3, is required at the time of listing. ARB recognizes that some information provided will be preliminary and based on best estimates. If the project's inventory methodology changes between the time of listing and submission of the first OPDR, this should be reported as a change to the information submitted at project listing when submitting the first OPDR.
- Section 6.2 of the Compliance Offset Protocol U.S. Forest Projects, November 14, 2014 outlines the approved quantification methodologies for Improved Forest Management Projects. Further details on completing a forest project carbon inventory can be found in Appendix A of the Protocol.
- Follow the steps in Appendix D of the Compliance Offset Protocol U.S. Forest Projects, November 14, 2014 to quantify the project's reversal risk rating.
- The project's expected contribution to the Forest Buffer Account is determined annually based upon the project's risk of reversal and is calculated by multiplying the project specific reversal risk rating by the total net GHG reductions/removals achieved by the project. An approximation of the contribution to the Forest Buffer Account is acceptable.

Part VIII. Offset Project Baseline:

- Projects are not required to have a finalized baseline at the time of listing, but OPOs/APDs should be familiar with Appendix B and have a plan for how they will meet the requirements therein. A complete modeling plan reflecting the requirements in Appendix B.3 is therefore required at the time of listing. ARB recognizes that some information provided will be preliminary or based on best estimates. If the project's modeling plan or baseline estimates change between the time of listing and submission of the first OPDR, this should be reported as a change to the information submitted at project listing when submitting the first OPDR.
- Note that IFM projects located on public land must present documentation demonstrating explicit approval of the offset project's management activities and baseline. These projects may report changes to the baseline within the initial OPDR if the changes have gone through a public review process and meet the Protocol requirements regarding explicit approval of the project's baseline.
- This part is divided into three sections: questions required for all Improved Forest Management Projects; questions for Improved Forest Management Projects on private lands; and questions for

Improved Forest Management Projects on public lands. Answer the questions applicable to the project.

- Section 6.2 of the Compliance Offset Protocol U.S. Forest Projects, November 14, 2014 outlines the approved quantification methodologies for Improved Forest Management Projects. Instructions for considering legal and financial constraints can be found in Sections 6.2.1.2 and 6.2.1.3, respectively. Further details on modeling carbon stocks can be found in Appendix B of the Protocol.
- ARB approved growth models can be found in Appendix B, Section B.1 of the Compliance Offset Protocol U.S. Forest Projects, November 14, 2014.
- When a requirement is not applicable to the project being listed, please select the "N/A" (Not Applicable) checkbox next to the requirement so that it is clear that the question was not inadvertently left unanswered.

Part IX. Additional Questions:

- Answer both questions. If the answer to either question is "yes," identify the registry or program and provide details on the issued credits in the space provided.

Part X. Attachments:

- Provide each attachment on a separate sheet of paper and submit along with the completed application for listing.
- To aid with tracking each attachment, it is recommended that the attachments are labeled to correspond with the letter in Part X that they refer to (e.g. "Attachment B").
- When an attachment is not applicable to the project being listed, please select the "N/A" (Not Applicable) checkbox next to the requirement so that it is clear that the attachment was not inadvertently left off.

Part XI. Attestations and OPO Signature:

- Section 95975(c) of the Cap-and-Trade Regulation requires three attestations for listing an offset project. The required attestations are provided in this section. Each attestation should be initialed by the person signing the form.
- The first attestation requires the applicant to provide the offset project name and the start and end dates of the crediting period to complete the statement. The offset project name should match the name entered in Part II. The dates for the offset project's crediting period must also be provided. Please note that the dates provided in the attestation are for the crediting period, not for the first reporting period provided in Part II. The crediting period dates may be approximate if precise dates are not known.
- Amendments adopted in April 2014 to section 95975(d) require the attestations "be provided to an Offset Project Registry with the listing information, if being listed with an Offset Project Registry."
- The individual signing the document must be registered in CITSS as the OPO's Primary Account Representative or Alternate Account Representative. The individual signing the document may be an APD employee and/or representative; but to sign the document, the individual must be an Account Representative on the OPO's CITSS account.
- Please provide the person's signature, printed name, corporate title, and date signed.

Please contact your Offset Project Registry with any questions.