FAMILY FOREST CARBON PROJECT MONITORING REPORT

Project title	Family Forest Carbon Project
Project ID	*4268*
Monitoring period	1 June 2024 – 31 January 2025
Original date of issue	*11 June 2025*
Most recent date of issue	*26 March 2026*
Version	*2.7*
***VCS Standard* Version**	*4.7*
Prepared by	Forest Carbon Works, PBC

CONTENTS

PROJECT DETAILS 4
1.1 Summary Description of the Implementation Status of the Project 4
1.2 Audit History 4
1.3 Sectoral Scope and Project Type 5
1.4 Project Proponent 5
1.5 Other Entities Involved in the Project 5
1.6 Project Start Date 6
1.7 Project Crediting Period 6
1.8 Project Location 6
1.9 Title and Reference of Methodology 11
1.10 Double Counting and Participation under Other GHG Programs 11
1.11 Double Claiming, Other Forms of Credit, and Scope 3 Emissions 12
1.12 Sustainable Development Contributions 12
1.13 Commercially Sensitive Information 16
2 SAFEGUARDS AND STAKEHOLDER ENGAGEMENT 16
2.1 Stakeholder Engagement and Consultation 16
2.2 Risks to Stakeholders and the Environment 23
2.3 Respect for Human Rights and Equity 30
2.4 Ecosystem Health 40
3 IMPLEMENTATION STATUS 45
3.1 Implementation Status of the Project Activity 45
3.2 Deviations 52
3.3 Grouped Projects 55
3.4 Baseline Reassessment 63
4 DATA AND PARAMETERS 63
4.1 Data and Parameters Available at Validation 63
4.2 Data and Parameters Monitored 153
4.3 Monitoring Plan 181
5 QUANTIFICATION OF GHG EMISSION REDUCTIONS AND REMOVALS 189
5.1 Baseline Emissions 281

5.2 Project Emissions 302
5.3 Leakage Emissions 318
5.4 GHG Emission Reductions and Carbon Dioxide Removals 330

APPENDIX 1: COMMERCIALLY SENSITIVE INFORMATION 348

APPENDIX 2: ANNEXES 349

PROJECT DETAILS

1.1 Summary Description of the Implementation Status of the Project

The Family Forest Carbon Project is a grouped project developed under the Verified Carbon Standard (VCS) and the VM0003 Methodology for improved forest management (IFM) through extension of rotation age (ERA). The project proponent, Forest Carbon Works (FCW), partners with private forestland owners across the country to protect their valuable forest resources with long-term conservation agreements lasting a minimum of 60 years. Project activities are not mandated by any law, statute, or other regulatory framework.

Prior to the project implementation, these forests were subject to baseline silviculture for the region, which was a form of extractive even-aged management (Annex H, Annex Z). The project transitions these systems into uneven-aged management regimes using methodology-approved harvesting techniques such as patch cuts, continuous thinning, or group selection. See the Project Description Section 1.11 for details on project-scenario management regimes. Management is designed to maximize carbon storage, improve forest vigor and to transition forests to an uneven-aged structure, increasing the average age of standing trees to sequester more carbon than currently exists.

The geographic areas eligible under this project are the entire contiguous United States and southeast Alaska (see Project Location section 1.8). The project includes 182 project activity instances (PAIs), with 42 added during this monitoring period. The total area of the project is 27,907.69 hectares (68,959.90 acres) in the USA states of Alabama, Arkansas, California, Connecticut, Florida, Georgia, Idaho, Kansas, Kentucky, Louisiana, Maryland, Maine, Michigan, Minnesota, Missouri, Mississippi, Montana, North Carolina, New Hampshire, New York, Ohio, Oregon, Pennsylvania, Rhode Island, Tennessee, Virginia, Vermont, Washington, Wisconsin, and West Virginia (Annex C). Exact project locations are detailed in Section 1.8. The start date of the project is 14 July 2020, while the start date of this monitoring period is 1 June 2024. PAIs added during this monitoring period shall have an implementation date on or after 1 June 2024, and the end of the monitoring period is 31 January 2025. Implementation dates of each project instance of the project to date are listed in Table B located in section 3.1, with the first instance of implementation occurring on 14 July 2020, the start date of the project.

Total GHG emission reductions and removals for this monitoring period are 127,613 tCO2e.

1.2 Audit History

Audit type	Period	Program	Validation/verification body name	Number of years

Validation	Crediting Period: 14 July 2020 – 13 July 2045	VCS	AENOR	25-year crediting period
Verification	Monitoring Period 14 July 2020 – 29 September 2023	VCS	AENOR	3.2 years
Verification	Monitoring Period 30 September 2023 – 31 May 2024	VCS	KBS Certification	0.7 years
Verification	Monitoring Period 1 June 2024 – 31 January 2025	VCS	AENOR	0.7

1.3 Sectoral Scope and Project Type

Sectoral scope	14: Agriculture, Forestry, or Other Land Use (AFOLU)
AFOLU project category[1]	Improved Forest Management (IFM)
Project activity type	Extended Rotation Age (ERA)

1.4 Project Proponent

Organization name	Forest Carbon Works, PBC
Contact person	Julian Bauer
Title	Director, Conserve
Address	4530 W. 77th St. Suite 285 Edina, MN 55435
Telephone	1 (800) 399-5246
Email	Julian@forestcarbonworks.com

1.5 Other Entities Involved in the Project

There are no other entities involved in the development of this project.

[1] *See Appendix 1 of the* VCS Standard

1.6 Project Start Date

Project start date	14 July 2020
Justification	On this date, the landowner for the initial project activity instance committed to implementing forest management techniques (IFM-1) required for admittance into the project. The commitment is evidenced by signature of a legally binding agreement (Annex D).

1.7 Project Crediting Period

Crediting period	☐ *Seven years, twice renewable* ☐ *Ten years, fixed* ☒ Other: 25 years Per the VCS Standard v4.7 Section 3.9.3, AFOLU projects shall have a crediting period of a minimum 20 years, maximum 100 years and may be renewed up to four times, not exceeding 100 years. Per section 3.9.5 of the VCS Standard v4.7, for IFM ERA projects with harvesting, the project crediting period shall be set to include at least one complete harvest/cutting cycle. A 25-year harvest cycle is the baseline scenario for the initial management strata 102401 and 102402, evidenced by comparable harvest plans from the region (Annex Z).
Start and end date of first or fixed crediting period	14 July 2020 to 13 July 2045

1.8 Project Location

Approximate centroid locations in decimal degrees of each project activity instance (PAI) included in the project during this monitoring period. In addition to Table A below displaying the geodetic centroid coordinates for each PAI, a KML containing all project instances as well as centroids was provided in Annex C.

Table A.

PAI Number	Latitude (dd)	Longitude (dd)
1007	45.472338	-122.25225
1012	38.287888	-81.960978
1014	36.818207	-81.350846
1023	47.96811	-92.659571

1024	48.46565	-121.596327
1025	43.387952	-85.216128
1026	46.045776	-67.968616
1027	38.661793	-79.378796
1028	47.882117	-92.281354
1029	40.742638	-122.033407
1030	46.705501	-93.685113
1031	45.675984	-92.686036
1033	43.135352	-78.257479
1034	40.524884	-122.66528
1035	44.017168	-72.551381
1036	42.256388	-122.989729
1037	42.578964	-73.388058
1038	38.527146	-80.684626
1039	41.786267	-71.69704
1040	37.511938	-80.870584
1041	40.982878	-77.302915
1042	39.807847	-78.681231
1043	44.734183	-67.978915
1044	44.115449	-72.735878
1046	38.580576	-81.536945
1047	38.177196	-82.297181
1048	39.223838	-81.173951
1050	42.096693	-77.48389
1051	31.53739	-90.911934
1052	44.613727	-67.821497
1053	39.835151	-78.952695
1054	44.811881	-90.431662
1056	43.155042	-73.300253
1057	37.323098	-95.647536
1058	43.037084	-72.729914
1059	40.018195	-123.717239
1061	45.837728	-90.504536
1062	40.166161	-75.681638
1063	39.455587	-123.253311
1064	45.131608	-69.137595
1065	45.301025	-122.237675
1066	44.47219	-68.64843
1067	43.980706	-75.272944

1068	43.512878	-70.942994
1069	47.002892	-123.558939
1070	48.140013	-118.035362
1074	37.558714	-78.765808
1080	37.92718	-78.619634
1082	41.494132	-76.657687
1083	41.685749	-77.705292
1084	39.888523	-122.608362
1085	42.785844	-90.156076
1086	38.96094	-81.095986
1087	44.66272	-123.680286
1088	38.935213	-81.098999
1089	46.313225	-88.183765
1090	36.220224	-118.748056
1094	38.557102	-79.387608
1095	40.124857	-75.765785
1032	42.333698	-86.28931
1049	45.990525	-67.845887
1071	46.13941	-87.606467
1079	31.144951	-91.876019
1091	39.518572	-82.35517
1092	39.505059	-82.376473
1093	39.559405	-82.406516
1097	38.508928	-80.844453
1099	41.284147	-76.207297
1100	38.195207	-79.293995
1101	42.500923	-78.044849
1102	42.179283	-77.860487
1103	39.419528	-78.786006
1104	39.230855	-80.648115
1105	46.251565	-87.268802
1107	46.683524	-112.970537
1108	47.897687	-94.454237
1109	32.396387	-91.688125
1110	32.864387	-86.55237
1111	44.310587	-71.62672
1112	37.940041	-80.564664
1113	45.794126	-120.565586
1114	43.09782	-73.364999

1115	37.281385	-86.16777
1116	44.677187	-68.660067
1117	40.559842	-80.294486
1118	36.898723	-77.303495
1119	38.607737	-81.501741
1120	34.020545	-85.679771
1121	35.650067	-81.559797
1122	42.080596	-122.930152
1124	37.396019	-90.275692
1125	45.992104	-67.852393
1126	44.248277	-74.054039
1134	33.555081	-89.151272
1138	48.193692	-94.965832
1139	45.964548	-117.468237
1141	32.546074	-84.563855
1142	37.65482	-86.789111
1143	32.272558	-87.337451
1144	32.487911	-87.925725
1147	44.001294	-70.198904
1159	35.275307	-77.335402
1160	37.526448	-80.44692
1161	29.215516	-82.945298
1162	36.230169	-81.376782
1163	44.709023	-119.484475
1164	37.616489	-81.008126
1166	44.52776	-69.203918
1167	40.153035	-79.351011
1168	38.617094	-79.44319
1169	37.758993	-85.779773
1170	46.603485	-92.216985
1171	46.987545	-92.519652
1172	38.738834	-91.630635
1175	35.029035	-90.755812
1181	35.018604	-88.434461
1182	44.600346	-124.024409
1183	44.066369	-123.563671
1184	32.962093	-81.855193
1185	34.354349	-85.835705
1186	34.274582	-85.362175

1188	38.883604	-123.347586
1190	42.491697	-75.135655
1192	44.856939	-68.34541
1146	31.759075	-90.782277
1011	45.886009	-123.266281
1060	36.914987	-77.382632
1133	41.91987198	-74.75706616
1137	44.195513	-70.807789
1158	43.921689	-91.660843
1174	35.99934	-87.771803
1179	37.293982	-82.475359
1187	33.547071	-92.727699
1189	39.640311	-76.790538
1191	39.640477	-76.795505
1194	39.127412	-78.425916
1195	38.165811	-81.029527
1196	34.742693	-85.70463
1197	31.170355	-85.62762
1200	41.467788	-79.868732
1201	44.381082	-75.548606
1202	46.806719	-95.44705
1203	44.331376	-72.137024
1204	48.207755	-117.215174
1205	42.351369	-76.434691
1206	46.31162	-115.976434
1208	37.68193	-83.894078
1209	37.677049	-83.900291
1212	35.822659	-82.755743
1213	37.361043	-78.065378
1214	36.820519	-80.326354
1216	42.721951	-74.848958
1217	40.798568	-77.458575
1218	41.684488	-77.593241
1219	37.298651	-79.832313
1220	35.538365	-88.890085
1221	40.52281	-124.215394
1239	37.694901	-80.633172
1249	45.52952	-118.458957
1252	37.627367	-78.914906

1256	43.301444	-75.272669
1258	43.71794	-70.843474
1261	42.398635	-78.595742
1262	39.298029	-78.265745
1266	41.744991	-74.005817
1267	32.190999	-90.935526
1277	41.811753	-72.805155
1293	44.267908	-119.123831

1.9 Title and Reference of Methodology

Type (methodology, tool or module).	Reference ID, if applicable	Title	Version
Methodology	VM0003	Methodology for IFM through Extension of Rotation Age	1.3
Tool	VT0015	Separate Calculation of Reductions and Removals for VM0003, VM0005, VM0012 & VM0034	1.0
Tool	*N/A*	UNFCCC Tool for the demonstration and assessment of additionality	7.0.0
Tool	*N/A*	AFOLU Non-Permanence Risk Tool	4.2
Tool	*N/A*	Calculation of the number of sample plots for measurements within A/R CDM project	02.1.0
Tool	*N/A*	Tool for testing significance of GHG emissions in A/R CDM project activities	01

1.10 Double Counting and Participation under Other GHG Programs

1.10.1 No Double Issuance

Is the project receiving or seeking credit for reductions and removals from a project activity under another GHG program?

☐ Yes ☒ No

To ensure that project activity instances are not receiving credits under other GHG programs, all landowners are required to sign a management lease agreement (MLA) that prohibits enrollment in other forest carbon offset programs (Annex D).

1.10.2 Registration in Other GHG Programs

Was the project registered or seeking registration under any other GHG programs?

☐ Yes ☒ No

If yes, provide the registration number and all relevant details including the date of project inactivity in the other GHG program.

1.11 Double Claiming, Other Forms of Credit, and Scope 3 Emissions

1.11.1 No Double Claiming with Emissions Trading Programs or Binding Emission Limits

Are project reductions and removals or project activities also included in an emissions trading program or binding emission limit? See the *VCS Program Definitions* for definitions of emissions trading program and binding emission limit.

☐ Yes ☒ No

If yes, provide all required evidence of no double claiming as outlined by the VCS Standard.

1.11.2 No Double Claiming with Other Forms of Environmental Credit

Has the project activity sought, received, or is planning to receive credit from another GHG-related environmental credit system? See the *VCS Program Definitions* for definition of GHG-related environmental credit system.

☐ Yes ☒ No

1.11.3 Supply Chain (Scope 3) Emissions

Do the project activities affect the emissions footprint of any product(s) (goods or services) that are part of a supply chain?

☐ Yes ☒ No

No supply chain effects, including air, water or land impacts, are expected due to the implementation of the project.

1.12 Sustainable Development Contributions

Forest Carbon Works is committed to the United Nations' Sustainable Development Goals (SDGs) through the implementation and monitoring of the Family Forest Carbon Project. All project activity

instances included in the project are located within the United States and placed into contractual long-term agreements which protect water quality and forest ecosystems through extension of rotation age. Additionally, per the FCW Harvest Policy (Annex Q), any harvests within the project area shall be certified by the Forest Stewardship Council to ensure sustainable forest management. FSC certification of any instances within the monitoring period with harvest activity is evidenced by the FSC Digital Audit Report and internal audits of project instances' compliance with FSC certification (Annex T). Additionally, all PAIs with FSC-certification are listed on the project proponent's FSC webpage located at the following link: *https://search.fsc.org/en/certificate/a024y00000jqcAeAAI/?tab=address*. Over the lifetime of the project, all carbon emissions removals and reductions shall be monitored and quantified using the Verified Carbon Standard and the VM0003 methodology. Table 1 below describes the project's contributions to SDGs this monitoring period.

The project contributes to nationally prioritized sustainable development goals, as the United States has committed to fulfilling the 17 United Nations' Sustainable Development Goals (Annex AM). Thus, all progress towards the SDGs fulfils United States' sustainable development priorities and the proponent's provisions for monitoring and reporting this progress is the same for both, as shown in Table 1: Sustainable Development Contributions. Additionally, the project adheres to all federal laws, including those pertaining to sustainable development.

Table 1: Sustainable Development Contributions

Row number	SDG target	SDG indicator	Net impact on SDG indicator	Current project contributions	Contributions over project lifetime
1)	6.6	6.6.1 Change in the extent of water-related ecosystems over time	Implemented activities to increase	Protected 3592.43 hectares (8,877.08 acres) of forest and all watersheds contained therein with binding long-term agreements, including implementing no-touch forestry practices in all stream buffer zones, for this monitoring period. See Annex D.	Protected 27,907.69 hectares (68,959.90 acres) of forest and all watersheds contained therein with binding long-term agreements, including implementing no-touch forestry practices in all stream buffer zones, over the lifetime of the project. See Annex D.
2)	13.0	Tonnes of GHG emissions avoided or removed	Implemented activities to increase	Reduced or removed 127,613tonnes of CO2e for this monitoring period.	Reduced or removed 303,980 tonnes of CO2e over the lifetime of the project.
3)	15.1	15.1.1 Forest area as a proportion of total land area	Implemented activities to increase	Placed 3,592.43 hectares (8,877.08 acres) of forest in legally binding protective agreements for this monitoring period. See Annex D.	Placed 27,907.69 hectares (68,959.90 acres)) of forest in legally binding protective agreements during the project lifetime. See Annex D.

4)	15.2	15.2.1 Progress towards sustainable forest management	Implemented activities to increase	Via the FCW Harvest Policy (Annex Q), the project proponent ensures all project activity instances, 3592.43 hectares (8,877.08 acres) during this monitoring period, achieve FSC certification prior to engaging in commercial harvest. This ensures any commercial harvesting is carried out in a sustainable manner. During this monitoring period, two PAIs conducted commercial harvesting: PAI 1032 (22.88 hectares/54.55 acres) and PAI 1144 (732.89 hectares/1,811 acres). Both PAIs achieved FSC certification prior to engaging in commercial harvest (Annex T). Materials related to the harvests are available in Annex N. See Table 13 for FSC Certification Commencement Dates and Harvest Commencement Dates.	As an FSC group manager, the project proponent ensures all project activity instances, 27,907.69 hectares (68,959.90 acres) in total, achieve FSC certification prior to engaging in commercial harvest (Annex Q). This ensures any commercial harvesting is carried out in a sustainable manner.

1.13 Commercially Sensitive Information

Per the VCS Standard 3.5.2, qualifying information may be protected from public review.

Financial information qualifies as “sensitive information”, per the VCS Program Definitions v4.7, where its disclosure could reasonably be expected to result in a “material financial loss or gain, prejudice the outcome of contractual or other negotiations or otherwise damage or enrich the person or entity to which the information relates.” Landowner identities are also protected under the same definition, as their disclosure could lead to a similar outcome. All annexes that include PAI landowner personal information, such as proof of ownership, stakeholder correspondence, financial payment details, and past carbon project enrollment, including past NCX contracts, are marked as sensitive and will be omitted from public review. See Appendix 1 for the full list of Annexes that meet these criteria.

Calculations in the Financial Viability section of the Non-Permanence Risk Report include qualifying financial inputs, as such, these inputs shall not be disclosed in the public documentation. This includes the NPV calculation worksheet that is used in the Non-Permanence Risk Tool (Annex S).

2 SAFEGUARDS AND STAKEHOLDER ENGAGEMENT

2.1 Stakeholder Engagement and Consultation

2.1.1 Stakeholder Identification

Stakeholder Identification	The stakeholders involved in the project were identified as the landowners of project activity instances. This process has not changed since validation, but the number of stakeholders increased due to the inclusion of additional PAIs.
Legal or customary tenure/access rights	The stakeholders identified in the project were the landowners of each project activity instance, thus stakeholders hold legal tenure and access rights to each project instance. Per the VCS Standard v4.7 3.18.8, the project may affect stakeholder property rights only if free, prior, and informed consent (FPIC) is provided by the stakeholder, as well as a transparent agreement that

	provides just and fair compensation. See sections 2.1.2 and 2.1.3 for more detail on the FPIC process for the project. There were no conflicting legal rights that were held by stakeholders, indigenous people (IPs), local communities (LCs), and customary rights holders. Nothing related to the project infringes on cultural heritage, and there are no indigenous groups or customary custom rights affected. All instances correspond to private owners and the property is strictly private, with no third-party rights over the property or use rights of said instances, including individuals, communities or indigenous peoples.
Stakeholder diversity and changes over time	The identified stakeholders were from different states and have many different goals for their enrollment within the project. The main measured markers of diversity were geographical and generational. The geographic span of the project can be seen in Annex C, which demonstrates the diversity inherent in the project design due to regional differences. Additionally, the project proponent and membership advisors tracked the stakeholder's goals which tended to also differ regionally and span conservation, monetization, and legacy, though there were no changes in the make-up of each group over time during the time monitored.
Expected changes in well-being	The ecosystem services and benefits to stakeholders included recreation, preservation of treasured family forests, improvement of forest health, and avoidance of negative consequences of extractive logging such as increased soil impaction and contamination of waterways
Location of stakeholders	Stakeholders were landowners with project activity instances located on their property, the locations of which can be found in Annex C. The project was not predicted to negatively impact stakeholders. No local communities (LCs), indigenous peoples (IPs), or customary rights holders have been identified as being impacted by the project.

Location of resources	Stakeholders retained access and ownership to their enrolled properties which spanned the United States.

2.1.2 Stakeholder Consultation and Ongoing Communication

Ongoing consultation	In accordance with VCS Standard 3.18.3, local stakeholder engagement has been systematically conducted through outreach efforts led by FCW sales team personnel. This outreach initiative transcends a singular event, representing a sustained and ongoing correspondence between FCW and key stakeholders. Commencing in 2020, the outreach efforts included the dissemination of the FCW offer packet to landowners involved in the initial project activity, providing comprehensive information regarding project design, implementation, and monitoring requirements. During MP3, ongoing stakeholder consultation occurred in the form of continuous conversation with the project landowners between 1 June 2024 to 31 January 2025. Specialized regional teams, comprising membership specialists and foresters, maintain regular and substantive communication with stakeholders through various channels such as phone, in-person meetings, and email. These interactions encompass comprehensive discussions on all facets of project design, and established mechanisms, in accordance with VCS Standard 3.18.4, allow stakeholders to articulate concerns. The correspondence covers a spectrum of topics, including project design, implementation, monitoring, landowner compensation, stakeholder grievances, and addressing any questions or concerns about the process. A comprehensive record of this correspondence is in **Annex AI**. Forest Carbon Works employs continuous feedback mechanisms and culturally appropriate grievance redress procedures, outlined in section 2.1.4 of this document, ensuring stakeholders have an efficient avenue to address any emerging issues. Additionally, there is strict adherence to all pertinent laws and regulations governing stakeholder and workers' rights as delineated in Section 1.14 of the FCW Project Description.

	FCW also maintains open avenues for communication with the public and all stakeholders through the website: https://forestcarbonworks.org/stakeholders/ Ongoing correspondence with landowners has been monitored and analyzed for project design comments and feedback, but as of the creation of the Monitoring Report no stakeholders have submitted criticism or suggested updates to the project design. Consequently, no modifications have been implemented in response to stakeholder consultation at this juncture. Communication with stakeholders will be ongoing as they may submit feedback and grievances through the project website at any time, regardless of whether there is an in-person or online stakeholder consultation occurring. Stakeholders can also submit comments and feedback through communications with their designated membership advisor. Readily accessible communication channels will be maintained throughout the project's lifecycle. Any feedback received during future monitoring periods, whether through the website or interactions with membership specialists, will be integrated when pertinent. Alternatively, justification will be provided for cases where updates were deemed unnecessary or inappropriate.
Date(s) of stakeholder consultation	Stakeholder consultation dates vary and are dependent on initial contact with landowners. For Cohort 3, consultations commenced as early as August 21, 2020 for PAI 1011. Dates of correspondence for individual landowners are available in Annex AI.
Communication of monitored results	All project monitoring communications with stakeholders occurred through email and telephone correspondence between FCW membership advisors and the landowners. Information was also available to stakeholders through the project website. All project monitoring communications with stakeholders occurred in a timely manner. A comprehensive record of stakeholder correspondence, including timestamps, is in Annex AI.
Consultation records	Stakeholder consultation was documented through email records and notes of phone calls via records from the project proponent’s customer relationship management database.

Stakeholder input	The project proponent will take due account of all input received during the local stakeholder consultation and through ongoing communications via online channels such as the grievance redress procedure. Ongoing correspondence with landowners has been monitored and analyzed for project design comments and feedback, but as of the creation of the Monitoring Report no stakeholders have submitted criticism or suggested updates to the project design. Consequently, no modifications have been implemented in response to stakeholder consultation at this juncture.

2.1.3 Free, Prior, and Informed Consent

Consent	The process of ensuring free, prior, and informed consent for all stakeholders began at this initial phase, with the submission of the FCW Membership guide offer packet and other information to stakeholders (**Annex BC**). Per the requirements of the VCS Standard v4.7 3.18.8, all stakeholders where property rights are affected provided free, prior, and informed consent (FPIC) to the project proponent through signature of the MLA (**see Annex D**) and were provided sufficient information concerning project activities through consultation with membership advisors (see **Annex AI**), access to the FCW Conserve Membership Guide (see **Annex R**), and recourse to submit any feedback or critiques to the project through the grievance redress procedure (see section 2.1.4 of the monitoring report) and the public comment submission portal (see section 2.1.5 of the monitoring report). These documents allowed the landowner to be freely informed prior to the project implementation. Consent was given to implement the project with the stakeholder signature of the MLA. During the on-going FPIC process, there were no special issues or conflicts raised pertaining to informed consent of IPs, LCs, and customary rights holders, though membership specialists did work with each private landowner to address individual concerns (see Annex AI).
Outcome of FPIC	The dedicated FPIC process created by FCW included but was not limited to:

	- Project details are present on the project website. - Dedicated grievance process available for stakeholders (further details can be found in section 2.1.4 of the Monitoring Report). - Constant communication available and encouraged with membership advisors. - Membership lease agreement published for perusal before signing. Additionally, the United States FSC Forest Management Standard v1.0 Principle 4 states there must be appropriate mechanisms for resolving grievances and for providing fair compensation in the case of loss or damage affecting the legal or customary rights, property, resources, or livelihoods of local peoples. Measures shall be taken to avoid such loss or damage. The project obtained informed consent from landowners, ensuring the safeguarding of contractual participation and equitable benefit-sharing arrangements in collaboration with stakeholders. This measure was implemented to prevent any infringement upon their land, relocation of individuals without consent, or cause any form of physical or economic displacement.

2.1.4 Grievance Redress Procedure

The project proponent maintained a grievance redress procedure to address disputes with local stakeholders that arose during project planning and implementation (VCS Standard 3.18.19). The project proponent had multiple culturally appropriate methods for submitting a grievance: self-identified, confidential, or anonymous procedures that all stakeholders were made aware of in advance of project implementation. The project proponent had a form to submit grievances available on their website, which could be submitted with or without the complainant's identity attached. Additionally, the project proponent publicized the acceptance of grievances submitted by mail to their office, the address of which is available, and designated a central point of contact to compile all the letters received. All grievances received were publicly available on the project proponent's website after submission and the complainant received confirmation of receipt if contact information was available. During the monitoring period any conflicts or grievances that arose were recorded and resolved as needed.

If a grievance had been received, the project proponent would attempt to resolve the grievance following a three-stage approach:

1. The project proponent will try to amicably resolve the grievance and provide a written response to it in a culturally appropriate way.

2. If there are any grievances received that cannot be resolved internally or via amicable negotiation, then the grievance shall be referred to the Consensus Building Institute for third-party mediation (https://www.cbi.org/).

3. Finally, if mediation does not resolve the grievance, it shall be referred to the appropriate, competent jurisdiction within the United States of America Court System without prejudice to a party's ability to submit the grievance to a competent supranational adjudicatory body, if any.

The grievance redress procedure is made publicly available on the stakeholders' page of the project proponent's website, directed to: https://forestcarbonworks.org/grievance-procedure/.

Grievances received	Resolution and outcome
N/A	No grievances were raised during the monitoring period. The procedure is easily accessible to stakeholders for ongoing consultation. The project proponent has advertised the grievance procedure on the project website. Major stakeholders are in regular communication with a membership advisor and may submit feedback directly to that MA by phone and email for the lifetime of the project and beyond, as specified in the Project Description: Section 2.2 Local Stakeholder Consultation. Correspondence for each project activity instance is available in Annex AI. The various means of communication available to stakeholders (e.g. phone, mail, email, project website submission form, in person meetings, etc.) allow stakeholders with differing needs to communicate with the project proponent in a way that is most easily accessible and preferable to them. As various communication methods cater to different generations, socio-economic statuses, and disabilities, having a myriad of information transmission available means that at least one method of stakeholder communication with the project proponent is easily accessed across all groups.

	Access to these various forms of communication, including via the internet, phone, and physical mail, are widely accessible across the United States. 95% of adults use the internet[2], 97% have phones[3], and 100% have access to the US postal service[4]. All residents of the United States and its territories have access to the US Postal Service products and services and regardless of location pay the same amount for a First-Class mail postage stamp.

2.1.5 Public Comments

Summary of comments received	Actions taken
No public comments were received as part of the stakeholder consultation process.	N/A

2.2 Risks to Stakeholders and the Environment

The "FCW Conserve Safeguard Risk Identification Report" and the subsequent "FCW Conserve Safeguard Risk Policy" were developed to ensure compliance with MR Sections 2.2, 2.3.1, 2.3.2, 2.3.3, and 2.3.4 (see Annex AW). The Risk Identification Report provides an overview of Forest Carbon Works' (FCW) methodology and findings in identifying and assessing potential risks associated with project activity instances (PAIs) within the Family Forest Carbon Project. Drawing upon the Verified Carbon Standard (VCS) and the VCS Monitoring Report Template v44, FCW systematically categorizes and evaluates various risks to ensure alignment with applicable standards.

The report outlines risks to stakeholders and the environment, encompassing aspects such as stakeholder well-being, participation, working conditions, safety of women and minority groups, human rights, and equity. Specific risks, including but not limited to wildfire, food security, and discrimination, are highlighted, alongside an analysis of risks pertaining to property rights, benefit-sharing, and ecosystem health.

The "FCW Conserve Safeguard Risk Policy" offers a comprehensive framework for mitigating these identified risks associated with project activities. With a core focus on stakeholder well-being, participation, working conditions, and human rights, FCW delineates a robust set of mitigation

[2] https://www.pewresearch.org/internet/fact-sheet/internet-broadband/
[3] https://www.pewresearch.org/internet/fact-sheet/mobile/
[4] https://facts.usps.com/#:~:text=Everyone%20living%20in%20the%20United,postage%20stamp%2C%20regardless%20of%20location

measures aimed at ensuring compliance with the Verified Carbon Standard (VCS) and protecting the stakeholders and the environment.

2.2.1 Management Experience

To demonstrate that management teams have sufficient expertise and experience, FCW is in compliance with the FCW Conserve Safeguard Risk Policy v2.0 section 1.1 (Annex AW) which addresses the employment of experts in their relevant field and is evidenced by employee credentials. Additionally, there were no new entities involved in project design or implementation therefore the identified risks (Annex AW) were not applicable.

2.2.2 Risk assessment

	Risk identified	Mitigation or preventative measure(s) taken
Natural and human-induced risks to stakeholders' wellbeing	Potential risks to stakeholders wellbeing include: 1. Increased risk of wildfire due to project activity implementation (Risk 1.2.1)	Mitigation or preventative measures taken: 1. FCW is in conformance with the policy (Annex AW) that addresses Risk 1.2.1 as evidenced by adherence to internal policy of using FSC-certified forest management plans that mitigate risk of wildfire. Full mitigation measures for potential risks to stakeholder wellbeing can be found in the FCW Conserve Safeguard Risk Policy Section 1.2 (Annex AW).
Risks to stakeholder participation	Potential risks to stakeholders related to the project activity include: 1. Risk to food security in the area (Risk 1.3.1) 2. Risk to land loss (Risk 1.3.2) 3. Risk to loss of yields. (Risk 1.3.3) 4. Negative Impacts on livelihoods (Risk 1.3.4)	Mitigation or preventative measures taken: 1. FCW is in conformance with the policy (Annex AW) that addresses Risk 1.3.1 as evidenced by adherence to internal policy of incorporating heavily wooded areas, which are not suitable for agriculture (see Annex B for PAI maps).

	5. Risks exacerbated by climate change. (Risk 1.3.5) For more information see the FCW Conserve Safeguard Risk Identification Report Section 1.3 (Annex AW).	2. FCW is in conformance with the policy (Annex AW) that addresses Risk 1.3.2 as evidenced by the signed MLAs for all PAI this monitoring period, which maintains property rights (see Annex D). 3. FCW is in conformance with the policy (Annex AW) that addresses Risk 1.3.3-1.3.4 as evidenced by the benefit sharing agreements for all PAIs (Annex D) and the proof of the FPIC process (Free and Informed Prior Consent) (Annex R). 4. FCW is in conformance with the policy (Annex AW) that addresses Risk 1.3.5 as evidenced by adherence to the FCW Harvest Policy (Annex Q) that allows for climate-smart silvicultural strategies. Full mitigation measures for potential risks to stakeholder wellbeing can be found in the FCW Conserve Safeguard Risk Policy Section 1.3: Risks to Stakeholders' Participation (Annex AW).
Working conditions	Potential risks to working conditions from the project activity include: 1. Risks to employees implementing climate-smart forest practices, due to safety concerns or	Mitigation or preventative measures taken: 1. FCW is in conformance with the policy (Annex AW) that addresses Risk 1.4.1, 1.4.3, and 1.4.4 as evidenced by adherence the in-depth safety and training plan (Annex AX)

	wildfire potential. (Risk 1.4.1) 2. Employees may be exposed to hazardous substances, such as pesticides or herbicides, used in forest management. (Risk 1.4.2) 3. Employees working outdoors may be exposed to extreme weather conditions, such as heat, cold, or storms, which can pose health risks. (Risk 1.4.3) 4. Employees working in forested areas, such as cruisers, may encounter dangerous wildlife or plant life, posing a risk to their safety. (Risk 1.4.4) For more information see the FCW Conserve Safeguard Risk Identification Report Section 1.4 (Annex AW).	covering all relevant safety concerns which were available prior to forest cruises online and at the site on the device used to collect measurements. Additional emergency information was collected prior to entrance to the forest, such as emergency contacts. See Annex AX for safety and anti-harassment training materials. Additionally, to mitigate Risk 1.4.1, 1.4.3, and 1.4.4, FCW continued to conform with FSC principle 4 which requires FCW to maintain or enhance the long-term well-being of forest workers and local communities. 2. FCW is in conformance with the policy (Annex AW) that addresses Risk 1.4.2 by prohibiting commercial harvests on PAIs prior to FSC certification per adherence to the FCW Harvest Policy (Annex Q). Valid enrollment of PAIs with harvests is evidenced by the FSC Digital Audit Report (Annex T). FSC principle 6 specifies forest managers should strive to reduce the use of other chemical pesticides and biocides, and work towards their eventual phase-out.

Safety of women and girls	Potential risks to the safety of women and girls include: 1. Forest management often requires workers to be alone for long periods of time in remote areas to complete work. This situation may put female foresters working on the project, or female project activity instance owners recreating on the project at risk for harassment by others in the area. (Risk 1.5.1) For more information see the FCW Conserve Safeguard Risk Identification Report Section 1.5 (Annex AW).	Full mitigation measures for potential risks to working conditions can be found in the FCW Conserve Safeguard Risk Policy Section 1.4 (Annex AW). Mitigation or preventative measures taken: 1. FCW is in conformance with the policy (Annex AW) that addresses Risk 1.5.1 as evidenced by adherence to FSC principle 4 which requires FCW to maintain or enhance the long-term well-being of forest workers and local communities. Employees of FCW underwent mandatory sensitivity training to prevent harassment and discrimination against women and girls (Annex AX). Furthermore, women and girls are protected under US Federal laws under the U.S. Equal Employment Opportunity Commission and are thus protected at the PAI level. The project proponent's activities were also subject to this as well as rigorous gender equity requirements for FSC certified group managers. FCW conformed with FSC principle 4 which requires FCW to maintain hiring practices and conditions of employment that are non-discriminatory and follow applicable laws and

		regulations. There have been no issues relating to the safety of women and girls as a result of project activities during this monitoring period.
Safety of minority and marginalized groups, including children	Potential risks to the safety of marginalized groups, including children, include: 1. Forest management often requires workers to be alone for long periods of time in remote areas to complete work. This may put workers in a situation with potential for harassment of minority people working or recreating on the project area due to workplace or other bias. (Risk 1.6.1) 2. Minority and marginalized groups may face discrimination in hiring, wages, and working conditions in some countries. (Risk 1.6.2) 3. Project activities might inadvertently exclude minority and marginalized groups from participating in and benefiting from the project. (Risk 1.6.3) 4. Not applicable: Women and girls in the local community might face increased risk of gender-	More mitigation measures for potential risks to the safety of women and girls can be found in the FCW Conserve Safeguard Risk Policy Section 1.5 (Annex AW). Mitigation or preventative measures taken: 1. FCW is in conformance with the policy (Annex AW) that addresses Risks 1.6.1, 1.6.2, and 1.6.4 as evidenced by continued adherence to FSC Certification which requires FCW to exceed local hiring practices and has several non-discrimination clauses. To mitigate Risk 1.6.1, FCW continues to conform with FSC principle 1, criteria 1.1 (respect all local, national, int'l and tribal laws) and FSC principle 1, criteria 1.3 (the provisions of all binding international agreements such as CITES, ILO Conventions, ITTA, and Convention on Biological Diversity, shall be respected).FCW continued to adhere to applicable US laws, such as Title VII of the Civil Rights Act of 1964 and The Matthew Shepard and James Byrd Jr. Hate

	based violence due to the presence of workers or changes in the local environment. (Risk 1.6.4) For more information see the FCW Conserve Safeguard Risk Identification Report Section 1.6 (Annex AW).	Crimes Prevention Act of 2009, 18 U.S.C. § 249. and are thus protected at the PAI level. There have been no issues relating to the safety of minority and marginalized groups, including children, as a result of project activities during this monitoring period. 2. FCW is in conformance with the policy (Annex AW) that addresses Risks 1.6.3 as evidenced by MLAs requiring that inclusion in the project is determined by consent to participate by the landowner and adherence to the eligibility criteria (see Annex D for MLAs) More mitigation measures for potential risks to the safety of minority and marginalized groups, including children, can be found in the FCW Conserve Safeguard Risk Policy Section 1.6 (Annex AW).
Pollutants (air, noise, discharges to water, generation of waste, and release of hazardous materials and chemical pesticides and fertilizers)	Potential risks caused via pollutants: 1. Forest Carbon Works allows climate-smart forest management practices on the project area. Forestry equipment has the potential to leak pollutants and cause noise pollution while working. (Risk 1.7.1) 2. Forest management activities, such as the use of machinery and equipment, may result in the emission of pollutants	Mitigation or preventative measures taken: 1. FCW is in conformance with the policy (Annex AW) that addresses Risk 1.7.1-1.7.4 as evidenced by its lack of engagement in any pollutant causing activity such as planting, using fertilizer or pesticide, or harvesting under the project scenario on any properties without FSC

	into the air, impacting air quality. Runoff from these activities may also carry sediment, chemicals, or other pollutants into nearby water bodies, contaminating water sources. (Risk 1.7.2) 3. Operation of forestry equipment and machinery may generate excessive noise levels, causing disturbance to local communities and wildlife. (Risk 1.7.3) 4. Forest management activities may generate various types of waste, including organic debris, packaging materials, and chemical containers. (Risk 1.7.4) For more information see the FCW Conserve Safeguard Risk Identification Report Section 1.7 (Annex AW).	certification (see Annex Q). The FSC-US Forest Management Standard v1.0 requires that the forest owner or manager understand the likely social impacts of management activities and incorporates this understanding into management planning and operations. These include impacts on public resources, including air, water and food (hunting, fishing, collecting) and aesthetics. Also, FSC principle 6 specifies forest managers should strive to reduce the use of other chemical pesticides and biocides, and work towards their eventual phase-out. Mitigation measures for potential risks from pollutants can be found in the FCW Conserve Safeguard Risk Policy Section 1.7 (Annex AW).

2.3 Respect for Human Rights and Equity

2.3.1 Labor and Work

Risks identified[5]	Mitigation or preventative measure(s) taken

[5] The identified risks and commensurate mitigation or preventative measure(s) for forced labor, child labor, and human trafficking, must be inclusive of staff and contracted workers employed by third parties.

Discrimination	Potential risks that may increase the likelihood of discrimination include: 1. Project proponent employees may face discrimination in the workplace while designing the project, during validation/verification events, or in future work cycles (Risk 2.1.1). 2. Project proponent contractors doing forestry work may experience discrimination in the field on the project area during project implementation (Risk 2.1.2). 3. Community members may experience discrimination during stakeholder consultation events (Risk 2.1.3). For more information see the FCW Conserve Safeguard Risk Identification Report Section 2.1 (Annex AW).	Mitigation or preventative measures taken: 1. FCW has implemented a series of mitigation measures which address risks 2.1.1 - 2.1.3, to prevent discrimination and report if it has occurred. FCW will continue to conform with FSC principle 4 which requires FCW to maintain hiring practices and conditions of employment that are non-discriminatory and follow applicable laws and regulations. See the FCW Conserve Safeguard Risk Policy Section 2.1 (Annex AW) and the relevant FSC principle, Gender Equality Guidelines pertaining to SDG 05: "GENDER EQUALITY" (Annex AK)
Sexual harassment	Potential risks that may increase the likelihood of sexual harassment include: 1. Project proponent employees may face sexual harassment in the workplace while designing the project, during validation/verification events, or in future work cycles (Risk 2.2.1). 2. Project proponent contractors doing forestry work may experience sexual harassment in the field on the project area during project implementation (Risk 2.2.2).	Mitigation or preventative measures taken: 1. FCW has implemented a series of mitigation measures which address risks 2.2.1-2.2.3, to prevent sexual harassment and report if it has occurred. FCW is in conformance with the FSC Gender Equality Guidelines pertaining to SDG 05: "GENDER EQUALITY" which mandates that certificate holders must maintain "Confidential and effective mechanisms exist for reporting and

	3. Community members may experience sexual harassment during stakeholder consultation events (Risk 2.2.3). For more information see the FCW Conserve Safeguard Risk Identification Report Section 2.2 (Annex AW).	eliminating cases of sexual harassment and discrimination based on gender, marital status, parenthood, or sexual orientation." The project proponent maintains a confidential grievance reporting mechanism on the FCW website in order to mitigate th;is risk. See the FCW Conserve Safeguard Risk Policy Section 2.2 (Annex AW) and the relevant FSC principle, Gender Equality Guidelines pertaining to SDG 05: "GENDER EQUALITY" (Annex AK)
Gender equity in labor and work	Potential risks to gender equity in labor and work include: 1. Risk for gender discrimination in hiring and wages (Risk 2.3.1) 2. Project proponent may not provide equal opportunities for all genders (Risk 2.3.2). 3. The Project proponent may not be able to demonstrate that equal opportunities have been provided (Risk 2.3.3). For more information see the FCW Conserve Safeguard Risk Identification Report Section 2.3 (Annex AW).	Mitigation or preventative measures taken: 1. To mitigate risks 2.3.1-2.3.3, equal opportunities have been provided in the context of gender equity and pay for labor and work as demonstrated in the FCW Conserve Safeguard Risk Identification Report Section 2.4 (Annex AW). FCW will continue to conform with FSC policy FSC-GUI-60-005 Promoting Gender Equality in National Forest Stewardship Standards V1.0. Project activities are also subject to US law pertaining to discrimination and sexual harassment in labor and work related to labor and work such as the Fair Labor Standards Act (29 U.S.C. § 201 et seq.) which establishes labor standards, including minimum wage and overtime, the Civil Rights

		Act of 1964 (Public Law 88-352, 78 Statute 241) prohibits discrimination based on race, color, religion, sex, or national origin, and the regulations of the U.S. Equal Employment Opportunity Commission. Mitigation measures for potential risks regarding gender discrimination can be found in the FCW Conserve Safeguard Risk Policy Section 2.3 (Annex AW).
Forced labor	Potential risks associated with forced labor include: 1. There is a risk that the project proponent staff or contractors may use forced labor during project design (Risk 2.4.1).	Mitigation or preventative measures taken: 1. To mitigate risk 2.4.1, FCW does not use victims of forced labor as demonstrated in the FCW Conserve Safeguard Risk Identification Report Section 2.4 (Annex AW). It is illegal in the United States to violate human rights, pay less than the minimum wage, discriminate in hiring or during employment, engage in forced labor, or promote unsafe work practices. Laws prohibiting these human rights violations include but are not limited to: Title VII of the Civil Rights Act; the Americans with Disabilities Act; the Equal Pay Act; the Fair Labor Standards Act; the Family and Medical Leave Act ("FMLA"); the Immigration Reform and Control Act; the National Labor Relations Act ("NLRA"); the Occupational Safety and Health Act; the Pregnancy Discrimination

		Act; and Executive Order 11246 Mitigation measures for potential risks regarding forced labor can be found in the FCW Conserve Safeguard Risk Policy Section 2.4 (Annex AW).
Child labor	Potential risks associated with forced labor include: 1. There is a risk that the project proponent staff or contractors may use child labor during project design (Risk 2.5.1).	Mitigation or preventative measures taken: 1. To mitigate risk 2.5.1, FCW does not use victims of child labor as demonstrated in the FCW Conserve Safeguard Risk Identification Report Section 2.5 (Annex AW). It is illegal in the United States to violate human rights, pay less than the minimum wage, discriminate in hiring or during employment, engage in child labor, or promote unsafe work practices. Laws prohibiting these human rights violations include but are not limited to: Title VII of the Civil Rights Act; the Americans with Disabilities Act; the Equal Pay Act; the Fair Labor Standards Act; the Family and Medical Leave Act ("FMLA"); the Immigration Reform and Control Act; the National Labor Relations Act ("NLRA"); the Occupational Safety and Health Act; the Pregnancy Discrimination Act; and Executive Order 11246. Mitigation measures for potential risks regarding forced labor can be found in the FCW Conserve Safeguard Risk Policy Section 2.5 (Annex AW).

Human trafficking	Potential risks associated with forced labor include: 1. There is a risk that the project proponent staff or contractors may use human trafficking during project design (Risk 2.6.1).	Mitigation or preventative measures taken: 1. To mitigate risk 2.6.1, FCW does not use victims of human trafficking as demonstrated in the FCW Conserve Safeguard Risk Identification Report Section 2.6 (Annex AW). It is illegal in the United States to violate human rights, pay less than the minimum wage, discriminate in hiring or during employment, engage in human trafficking, or promote unsafe work practices. Laws prohibiting these human rights violations include but are not limited to: Title VII of the Civil Rights Act; the Americans with Disabilities Act; the Equal Pay Act; the Fair Labor Standards Act; the Family and Medical Leave Act ("FMLA"); the Immigration Reform and Control Act; the National Labor Relations Act ("NLRA"); the Occupational Safety and Health Act; the Pregnancy Discrimination Act; and Executive Order 11246. Mitigation measures for potential risks regarding forced labor can be found in the FCW Conserve Safeguard Risk Policy Section 2.6 (Annex AW).

2.3.2 Human Rights

The project continues to recognize, respect, and promote the protection of the rights of IPs, LCs, and customary rights holders in line with applicable international human rights law, and the United Nations Declaration on the Rights of Indigenous Peoples and ILO Convention 169 on Indigenous and Tribal Peoples. Where potential risks related to human rights stemming from the project activity were

identified, corresponding mitigation strategies were established and documented. For more information see the FCW Conserve Safeguard Risk Identification Report Section 2.7 and FCW Conserve Safeguard Risk Policy Section 2.7 (Annex AW).

Risks identified	Mitigation or preventative measure(s) taken
Potential risks to human rights include: 1. Forestry contractors may face human rights abuse while implementing the project activity in the project area (Risk 2.7.1). 2. Project proponent employees may face human rights abuse in the workplace while designing the project (Risk 2.7.2.)	FCW adheres to FSC Certification which requires FCW to exceed local hiring practices and has several non-discrimination clauses. In addition, the following mitigation or preventative measures are taken: 1. FCW is in conformance with the FSC Certification that addresses Risk 2.7.1 which requires FCW to maintain or enhance the long-term well-being of forest workers and local communities. FCW will achieve this by monitoring and documenting any high-risk situations related to the well-being of employees and contractors. Thus, there are no risks to wages, workplace discrimination, or unsafe work practices during the project scenario. 2. To mitigate Risk 2.7.2, FCW will adhere to FSC Certification which requires FCW to exceed local hiring practices and has several non-discrimination clauses as well as conform with FSC principle 1, criteria 1.1 (respect all local, national, international and tribal laws). In addition, FCW will continue to conform with FSC principle 4 which requires FCW to maintain or enhance the long-term well-being of forest workers and local communities. FCW will achieve this by monitoring and documenting any high-risk situations related to the well-being of employees and contractors. More mitigation measures for potential risks to the safety of human rights can be found in the FCW Conserve Safeguard Risk Policy Section 2.7 (Annex AW).

2.3.3 Indigenous Peoples and Cultural Heritage

The project continues to recognize, respect, and promote the protection of the rights of IPs, LCs, and customary rights holders in line with applicable international human rights law, and the United Nations Declaration on the Rights of Indigenous Peoples and ILO Convention 169 on Indigenous and Tribal Peoples. For more information see the FCW Conserve Safeguard Risk Identification Report Section 3.1-3.2 and FCW Conserve Safeguard Risk Policy Section 3.1-3.2 (Annex AW).

Risks identified	Mitigation(s) or preventative measure taken
Potential risks to Indigenous peoples and cultural heritage include: 1. There may be a risk that IPs, LCs, or other customary rights holders traditional use of the project activity area prior to project implementation is disrupted due to project activity (Risk 3.1.1). 2. The project proponent may be unaware that a landowner is an IPs, LCs, or customary rights holder (Risk 3.1.2). 3. Project activities may disrupt traditional livelihoods of IPs, LCs, or customary rights holders, such as hunting, fishing, and subsistence farming (Risk 3.1.3).	FCW is obligated to comply with FSC principles, under the FSC certification that mitigate and prevent Risk 3.1.1-3.1.3. These principles include: 1. To mitigate Risk 3.1.1, FSC principle 2, criteria 2 states that local communities with use rights shall maintain control to protect their rights or resources, unless they delegate control with FPIC.FSC principle 3, criteria 3.2 states that forest management shall not threaten or diminish, either directly or indirectly, the resources or tenure rights of indigenous peoples.) FSC principle 3, criteria 3.3 states that sites of special cultural, ecological, economic or religious significance to indigenous peoples shall be clearly identified in cooperation with such peoples and recognized and protected by forest managers. 2. To mitigate Risk 3.1.2, the project proponent analyzes potential PAI inclusion to determine if the landowner is an IPs, LCs, or customary rights holder. Thus, the possibility that the project proponent is unaware of an IPs, LCs, or customary rights holder is lowered. 3. To mitigate Risk 3.1.3 FSC principle 2, criteria 2 states that local communities with use rights shall maintain control to protect their rights or resources, unless they delegate control with FPIC. FSC

	principle 3, criteria 3.2 states that forest management shall not threaten or diminish, either directly or indirectly, the resources or tenure rights of indigenous peoples. FSC principle 3, criteria 3.3 states that sites of special cultural, ecological, economic or religious significance to indigenous peoples shall be clearly identified in cooperation with such peoples and recognized and protected by forest managers. For more information see the FCW Conserve Safeguard Risk Identification Report Section 3.1 and FCW Conserve Safeguard Risk Policy Section 3.1 (Annex AW).

2.3.4 Property Rights

Risks identified	Mitigation or preventative measure(s) taken
Potential risks to IPs', LCs', and customary rights holders' property rights: 1. Customary rights and practices might be misinterpreted or undervalued by the project proponent, leading to conflicts and rights infringements (Risk 4.1.3).	FCW has implemented ongoing measures to protect and preserve the property rights of stakeholders, IPs, LCs, and customary rights holders including FSC certification, the membership lease agreement (Annex D), internal policies (Annex AW), and the FPIC process (Annex R). In addition, the following mitigation or preventative measures are taken: 1. To mitigate Risk 4.1.3, as the project requires vesting of carbon and timber rights to FCW, FCW conforms with the VCS Standard by seeking free, prior, and informed consent for PAI Inclusion. Additionally, FCW is in compliance with the FSC principal which requires that long-term tenure and use rights to the land and forest resources shall be clearly defined, documented and legally established.

	For more information see the FCW Conserve Safeguard Risk Identification Report Section 4.1 and FCW Conserve Safeguard Risk Policy Section 4.1 (Annex AW).

2.3.5 Benefit Sharing

Summary of the benefit sharing plan	The benefit-sharing agreement is structured through two distinct options available to landowners, as outlined on the Forest Carbon Works website and in membership materials. The initial option involves a credit revenue-sharing annual payment model, wherein landowners receive a percentage of credit sales. The second option entails standard payments, where landowners receive a predetermined, fixed payment. To optimize the financial outcome for landowners, membership specialists collaborate with members to evaluate market price growth trends, guiding them in the selection between the revenue-sharing or standard payment models. Each landowner then selected one of these two benefit-sharing plans, which is reflected in their signed MLA, as detailed in Annex D.
Benefit sharing during the monitoring period	Standard payment offers for qualifying landowners are on a per acre per year basis over the 25-50-year lifespan of the Conserve Membership Contract, which is paid in annual installments. The first Annual Payment is made within 30 days of signing the Membership Agreement, and – once the first year is completed – is made annually thereafter until year 25, at which time participating landowners can opt in to additional 5-year payment terms up to 5 more times, for a total of up to 50 years' worth of annual payments. The other payment offer involves landowners opting into a 25% credit revenue share annual payment model based on their credits' market value at a trailing 12-month (TTM) market price. This process is projected to happen within the first two years of membership. To optimize the financial outcome for landowners, membership specialists collaborate with members to

	evaluate market price growth trends, guiding them in the selection between the revenue-sharing or standard payment models. Each landowner then selected one of these two benefit-sharing plans, which is reflected in their signed MLA, as detailed in Annex D. Records of all past landowner payments are located in Annex BA.

2.4 Ecosystem Health

	Risk identified	Mitigation or preventative measure(s) taken during the monitoring period
Impacts on biodiversity and ecosystems	As project activities decrease long-term timber harvesting, biodiversity and ecosystems could be impacted. For more information see the FCW Conserve Safeguard Risk Identification Report, Risk 6.1.2 (Annex AW).	Mitigation or preventative measures taken: FCW is in conformance with the policy (Annex AW) that addresses Risk 6.1.2 by adhering to internal harvest policy under which no harvesting or planting will occur prior to FSC certification under the project activity scenario (IFM) (see Annex Q). For more information see the FCW Conserve Safeguard Risk Policy Section 6.1.2 (Annex AW).
Soil degradation and soil erosion	No risk identified For more information see the FCW Conserve Safeguard Risk Identification Report, Risk 6.1.4 (Annex AW).	FCW will adhere to internal harvest policy (Annex Q) under which no commercial harvesting or planting will occur prior to FSC certification under the project activity scenario (IFM). Valid enrollment of PAIs with harvests is evidenced by the FSC Digital Audit Report (Annex T). Under FSC Standard, Principle 6: Environmental Impact, forest management activities must take precautions so as not to accelerate soil erosion or degradation. For more information see the FCW Conserve Safeguard Risk Policy Section 6.1.4 (Annex AW).
Usage of fertilizers	No risk identified For more information see the FCW Conserve Safeguard Risk	FCW will adhere to internal harvest policy under which no harvesting or planting will occur prior to FSC

	Identification Report, Risk 6.1.6 (Annex AW).	certification under the project activity scenario (IFM). FSC Principle 10 also states that "Where necessary due to topography, soils, or other conditions, measures are taken to prevent damage from fertilizer runoff or leaching. This includes preventing influences on native low-nutrient ecological systems, such as pitcher plant bogs, or on ground and surface water quality." (FSC Standard, Indicator 10.6.d) The project will not use fertilizers on a PAI under the project activity (IFM) prior to FSC certification. For more information see the FCW Conserve Safeguard Risk Policy Section 6.1.6 (Annex AW).
Water Consumption and stress	Increased growth of trees and lack of harvests could increase water consumption and stress. Increased vegetation density and maturity can lead to higher rates of transpiration and interception, resulting in less water reaching streams and rivers. This can significantly impact water availability in the surrounding areas, particularly in regions that rely on consistent water flow from forested watersheds. For more information see the FCW Conserve Safeguard Risk Identification Report, Risk 6.1.5 (Annex AW).	To mitigate Risk 6.1.5, FCW will work with its regional foresters to monitor the impact of the project scenario on local hydrological functions to ensure the project does not have a disproportionate negative effect on local waterways. Additionally, FCW will allow for active forest management as it can improve vegetations' impact on water consumption and stress. For more information see the FCW Conserve Safeguard Risk Policy Section 6.1.5 (Annex AW).

2.4.1 Rare, Threatened, and Endangered species

Species or habitat	The project adhered to all local, state, and federal laws and best management practices concerning rare, threatened,

	and endangered species, and assessed environmental impact for small and low intensity managed forests (SLIMF) under the Forest Stewardship Council standard indicator 6.1.a. This standard includes evaluation of, among other factors, state or federally listed endangered species in compliance with the Endangered Species Act (16 U.S.C. § 1531 et seq.) which protects threatened and endangered species and regulates management of their habitats. The project proponent checked the sensitive species database prior to harvest. If sensitive species or habitats were found during these assessments, FCW shall prepare a strategy to reduce or avoid net harm. Documentation accounting for all threatened and endangered species with habitat overlapping any project instance not modelled as "no harvest" was staged in Annex E. For more information see the FCW Conserve Safeguard Risk Identification Report Section 6.1-6.3 and FCW Conserve Safeguard Risk Policy Section 6.1-6.3 (Annex AW).
Areas needed for habitat connectivity	FCW will seek to preserve communal identities by implementing a disbursement strategy in project activities. FCW intends to disburse project activities instances throughout the United States to avoid concentrating activities in any single community. This strategy is intended to minimize the visibility of land use conversion to any single community (ARMP, Section 6.3). A dispersed project will thus minimize the impact of fragmentation of sensitive habitat. Under FCW harvest policy (Annex Q), no harvest are permitted unless FSC certified. FSC Standard Indicator 6.3.b requires that, "To the extent feasible within the size of the ownership, particularly on larger ownerships, management maintains, enhances, or restores habitat conditions suitable for well distributed populations of animal species that are characteristic of forest ecosystems within the landscape." Adhering to FSC certification requirements will thus prevent species fragmentation in the event of a harvest. For more information see the FCW Conserve Safeguard Risk Identification Report Section 6.1-6.3 and FCW

	Conserve Safeguard Risk Policy Section 6.1-6.3 (Annex AW).

	Risks identified	Mitigation or preventative measure(s) taken
Habitats for rare, threatened, and endangered species	Potential risks to habitat for rare, threatened and endangered species: 1. Higher stand densities within project areas may make forests enrolled within the project less suitable for rare, threatened, or endangered species that have habitat requirements for more open forest types (Risk 6.2.1).	Mitigation or preventative measures taken: 1. To mitigate Risk 6.2.1, FCW will adhere to applicable FSC principles which mitigate this risk FSC principle 6, criteria 6.2 which requires that safeguards shall exist which protect Rare, Threatened and Endangered (RTE) species and their habitats. For more information see the FCW Conserve Safeguard Risk Identification Report Section 6.2 and FCW Conserve Safeguard Risk Policy Section 6.2 (Annex AW).
Areas for habitat connectivity	Potential risks to areas for habitat connectivity: 1. Not applicable: The project forest management activities may threaten the existence of endangered species by poor planning of a timber harvest, thus fragmenting	Mitigation or preventative measures taken: 1. To mitigate Risk 6.2.2, FCW will seek to preserve communal identities by implementing a disbursement strategy in project activities. FCW intends to disburse project activities instances throughout the United States to avoid concentrating activities in any single community.

		sensitive habitat (Risk 6.2.2)	This strategy is intended to minimize the visibility of land use conversion to any single community. (ARMP, Section 6.3). Under FCW harvest policy, all harvests must be FSC certified thus preventing species fragmentation. For more information see the FCW Conserve Safeguard Risk Identification Report Section 6.2 and FCW Conserve Safeguard Risk Policy Section 6.2 (Annex AW).

2.4.2 Introduction of species

Species introduced	Classification	Justification for use	Adverse effects and mitigation
N/A, no planting in project at validation.	N/A	N/A	N/A

Existing invasive species	Mitigation measures to prevent the spread or continued existence of invasive species
No invasive species have been identified, per local (state) invasive species registry (see Annex AF).	Per FCW's harvest policy, no invasive species will be introduced nor be allowed to thrive as a result of the project activity (see Annex Q).

	Risks identified	Mitigation or preventative measure(s) taken
Invasive species	1. No risk identified.	No new risks related to invasive species were identified during the current monitoring period. No invasive species were identified within the project area and, per FCW's Harvest Policy (Annex Q), no invasive species will be introduced nor be allowed to thrive as a result of project activity. This removes the

		risk of invasive species within the project area.

2.4.3 Ecosystem conversion

Not applicable, this project is not an ARR, ALM, WRC or ACoGS project, therefore no evidence is required to show that the project area was not cleared of existing ecosystems.

	Risks identified	Mitigation or preventative measure(s) taken
Ecosystem conversion	Potential risk regarding ecosystem conversion: 1. There is a risk that the project proponent mis-identifies a degraded ecosystem per VCS definition and converts an ecosystem where it was not truly degraded and subject to conversion per the VCS requirements (Risk 6.5.1).	Mitigation or preventative measures taken: 1. To mitigate Risk 6.5.1, FCW will not engage in any activities that are likely to cause ecosystem conversion. Additionally, GIS checks were performed on each PAI to identify degraded ecosystems. Annex BB contains files showing the checks that were performed on each PAI as well as the tracking mechanism (Annex BB), For more information see the FCW Conserve Safeguard Risk Identification Report Section 6.5 and FCW Conserve Safeguard Risk Policy Section 6.5 (Annex AW).

3 IMPLEMENTATION STATUS

3.1 Implementation Status of the Project Activity

The project activity transitioned privately-owned forestland into uneven-aged silvicultural systems using harvest techniques such as group selection, patch cuts, or continuous thinning (IFM 1). These techniques generate GHG emissions reductions and removals in comparison to the baseline scenario (See section 5.1). There have been no changes to the project proponent or other entities. Harvesting occurred within two project activity instances (PAI 1032, PAI 1144), but changes in carbon stocks were

covered by the uncredited reserve stocks. Materials related to the harvest are available in Annex N. Otherwise, no known carbon losses occurred on the project, reversal or otherwise.

The project was listed on the Verra pipeline on April 5th, 2023, and received registration approval on February 2, 2024. The project activity was first implemented at the start date of the project, 14 July 2020, per Section 1.6. All project activity instances included in this monitoring period began project activity on their respective implementation dates, shown in Table B.

Table 2B: PAI Implementation Dates

PAI Number	Implementation Date	State
1007	14 July 2020	Oregon
1011	01 June 2024	Oregon
1012	09 November 2021	West Virginia
1014	14 May 2021	Virginia
1023	15 October 2021	Minnesota
1024	14 July 2020	Washington
1025	28 February 2022	Michigan
1026	30 April 2021	Maine
1027	10 November 2021	West Virginia
1028	29 September 2021	Minnesota
1029	15 October 2021	California
1030	05 October 2021	Minnesota
1031	14 May 2021	Wisconsin
1032	30 September 2023	Michigan
1033	30 April 2021	New York
1034	01 January 2023	California
1035	14 May 2021	Vermont
1036	09 December 2021	Oregon
1037	18 February 2022	New York
1038	04 March 2022	West Virginia
1039	24 October 2022	Rhode Island
1040	14 September 2022	West Virginia
1041	12 March 2021	Pennsylvania
1042	24 November 2021	Pennsylvania
1043	12 August 2022	Maine
1044	29 January 2021	Vermont
1046	25 October 2022	West Virginia
1047	12 October 2022	West Virginia
1048	10 November 2021	West Virginia
1049	30 September 2023	Maine
1050	14 June 2022	New York
1051	02 October 2022	Mississippi

1052	07 October 2022	Maine
1053	30 November 2022	Pennsylvania
1054	14 July 2022	Wisconsin
1055	02 December 2022	Wisconsin
1056	28 July 2021	New York
1057	14 October 2022	Kansas
1058	22 February 2022	Vermont
1059	24 March 2023	California
1060	12 June 2023	Virginia
1061	30 April 2021	Wisconsin
1062	15 June 2023	Pennsylvania
1063	13 June 2023	California
1064	09 June 2023	Maine
1065	10 January 2022	Oregon
1066	15 April 2023	Maine
1067	18 October 2022	New York
1068	19 March 2021	Maine
1069	30 June 2023	Washington
1070	29 June 2023	Washington
1071	30 September 2023	Michigan
1074	13 July 2023	Virginia
1079	30 September 2023	Louisiana
1080	19 July 2023	Virginia
1082	21 July 2023	Pennsylvania
1083	17 October 2022	Pennsylvania
1084	13 April 2023	California
1085	28 July 2023	Wisconsin
1086	07 August 2023	West Virginia
1087	04 August 2023	Oregon
1088	28 April 2023	West Virginia
1089	10 December 2021	Michigan
1090	19 April 2023	California
1091	30 September 2023	Ohio
1092	30 September 2023	Ohio
1093	30 September 2023	Ohio
1094	22 November 2022	West Virginia
1095	16 August 2023	Pennsylvania
1097	30 September 2023	West Virginia
1099	06 October 2023	Pennsylvania
1100	30 September 2023	Virginia
1101	13 October 2023	New York
1102	16 October 2023	New York

1103	18 October 2023	West Virginia
1104	30 September 2023	West Virginia
1105	24 October 2023	Michigan
1107	24 October 2023	Montana
1108	18 November 2023	Minnesota
1109	28 October 2023	Louisiana
1110	14 November 2023	Alabama
1111	20 November 2023	New Hampshire
1112	19 October 2023	West Virginia
1113	30 October 2023	Washington
1114	30 September 2023	New York
1115	06 November 2023	Kentucky
1116	03 November 2023	Maine
1117	09 November 2023	Pennsylvania
1118	30 November 2023	Virginia
1119	18 October 2023	West Virginia
1120	13 November 2023	Alabama
1121	07 November 2023	North Carolina
1122	16 October 2023	Oregon
1123	28 November 2023	Kentucky
1124	18 October 2023	Missouri
1125	30 September 2023	Maine
1126	26 October 2023	New York
1133	12 January 2024	New York
1134	04 December 2023	Mississippi
1137	01 June 2024	Maine
1138	18 December 2023	Minnesota
1139	20 December 2023	Oregon
1141	15 January 2024	Georgia
1142	18 December 2023	Kentucky
1143	14 December 2023	Alabama
1144	01 December 2023	Alabama
1146	06 December 2023	Mississippi
1147	14 December 2023	Maine
1158	10 February 2024	Minnesota
1159	20 February 2024	North Carolina
1160	08 February 2024	West Virginia
1161	09 February 2024	Florida
1162	20 February 2024	North Carolina
1163	17 January 2024	Oregon
1164	06 February 2024	West Virginia
1166	21 March 2024	Maine

1167	09 March 2024	Pennsylvania
1168	22 February 2024	West Virginia
1169	13 March 2024	Kentucky
1170	15 March 2024	Wisconsin
1171	16 January 2024	Minnesota
1172	22 February 2024	Missouri
1174	19 March 2024	Tennessee
1175	29 February 2024	Arkansas
1179	09 March 2024	Kentucky
1181	04 April 2024	Tennessee
1182	30 September 2023	Oregon
1183	07 April 2024	Oregon
1184	02 April 2024	Georgia
1185	22 March 2024	Alabama
1186	04 April 2024	Georgia
1187	01 June 2024	Arkansas
1188	29 April 2024	California
1189	11 March 2024	Maryland
1190	23 April 2024	New York
1191	01 June 2024	Maryland
1192	24 April 2024	Maine
1194	01 June 2024	Virginia
1195	01 June 2024	West Virginia
1196	06 May 2024	Alabama
1197	15 May 2024	Alabama
1200	30 May 2024	Pennsylvania
1201	01 June 2024	New York
1202	29 May 2024	Minnesota
1203	01 June 2024	Vermont
1204	01 June 2024	Washington
1205	01 June 2024	New York
1206	03 June 2024	Idaho
1208	05 June 2024	Kentucky
1209	05 June 2024	Kentucky
1212	16 June 2024	North Carolina
1213	10 June 2024	Virginia
1214	14 June 2024	Virginia
1216	10 July 2024	New York
1217	24 July 2024	Pennsylvania
1218	18 June 2024	Pennsylvania
1219	03 July 2024	Virginia
1220	05 July 2024	Tennessee

1221	12 July 2024	California
1239	24 July 2024	West Virginia
1249	15 August 2024	Oregon
1252	21 August 2024	Virginia
1256	04 September 2024	New York
1258	26 August 2024	Maine
1261	16 September 2024	New York
1262	25 June 2024	Virginia
1266	27 September 2024	New York
1267	02 October 2024	Mississippi
1277	04 November 2024	Connecticut
1293	20 December 2024	Oregon

All project activity instances listed in Table 4 below are new to the project since the last verification. This table provides PAI number and any reported carbon loss during this monitoring period, if any.

Table 4: PAI Implementation Dates and Carbon Loss During Monitoring Period

PAI Number	Implementation Date	Reversal During Current Monitoring Period
1011	01 June 2024	No
1060	12 June 2023	No
1137	01 June 2024	No
1158	10 February 2024	No
1174	19 March 2024	No
1179	09 March 2024	No
1187	01 June 2024	No
1189	11 March 2024	No
1191	01 June 2024	No
1194	01 June 2024	No
1195	01 June 2024	No
1196	06 May 2024	No
1197	15 May 2024	No
1200	30 May 2024	No
1201	01 June 2024	No
1202	29 May 2024	No
1203	01 June 2024	No
1204	01 June 2024	No
1205	01 June 2024	No
1206	03 June 2024	No

1208	05 June 2024	No
1209	05 June 2024	No
1212	16 June 2024	No
1213	10 June 2024	No
1214	14 June 2024	No
1216	10 July 2024	No
1217	24 July 2024	No
1218	18 June 2024	No
1219	03 July 2024	No
1220	05 July 2024	No
1221	12 July 2024	No
1239	24 July 2024	No
1249	15 August 2024	No
1252	21 August 2024	No
1256	04 September 2024	No
1258	26 August 2024	No
1261	16 September 2024	No
1262	25 June 2024	No
1266	27 September 2024	No
1267	02 October 2024	No
1277	04 November 2024	No
1293	20 December 2024	No

3.1.1 Terminated or Adjusted PAIs

During Monitoring Period 3, several PAIs that were previously enrolled as part of Cohort 1 or 2 during Monitoring Periods 1 or 2 were terminated.

During Monitoring Period 2, PAI 1134 was credited 2,397 total VCUs. A boundary discrepancy was noted after MP2 verification resulting in a reduction in acreage for PAI 1134, from 1,129 to 446 acres. The full modeling and carbon accounting process was repeated for PAI 1134 with the updated acreage to recalculate VCU issuance for MP2. The following modeling and accounting workbooks were previously updated to show the full re-quantification process of PAI 1134 with updated acreages: Annex AB, Annex AC, Annex AD, Annex F and Annex W. The total VCUs to be issued during MP2 were recalculated to be 394 VCUs, rather than 2,397. Therefore, the difference of 2,003 VCUs was deducted from the MP3 total VCU issuance to account for the over estimation in PAI 1134 VCUs during MP2. This calculation can be seen in Annex AB, 'Exiting PAIs' worksheet.

Losses associated with terminated PAIs during this MP did not qualify as a "loss event" under the VCS Program Definitions. As demonstrated in Annex AB, the total issuance associated with PAIs exiting the project during MP3 was 4,052 VCUs, which is less than 5% of the previously verified net carbon dioxide removals from MPs 1 and 2.

Table 5: PAI Crediting Adjustments During MP3

PAI Number	MP1 VCU Issuance	MP2 VCU Issuance	MP3	Area Deducted (hectares)
1045	1,105	411	PAI Exited Project	109.2
1073	281	217	PAI Exited Project	46.4
1134	0	2,003	PAI Acreage Adjustment	276.7
1178	0	32	PAI Exited Project	17.7
1210	0	3	PAI Exited Project	19.0
Total	1,386	2,666	-	469

Table 6: Total MP1 and MP2 VCUs deducted during MP3

Monitoring Period	Reductions VCUs	Removals VCUs	Total VCUs
1	693	693	1,386
2	1,333	1,333	2,666
Total	2,026	2,026	**4,052**

3.2 Deviations

3.2.1 Methodology Deviations

The project deviated from the VM0003 methodology by applying an alternative method related to the criteria and procedures for monitoring that is more efficient for project-specific circumstances, achieved that same level of accuracy and results, and was more conservative than what is set out in the methodology. The deviation was demonstrated during validation to not have an impact of the applicability conditions, additionality, or the appropriateness of the baseline scenario. The relevant parameter is defined in Sections 4.1 and 4.2.

The uncredited reserve stock (URS) is a division of the above ground biomass and standing dead wood carbon pools. The uncredited reserve stock (URS) represents a small portion of project carbon stocks that are subject to the project activity but conservatively was not counted towards VCU accounting or issuance. The URS was calculated as nine percent (9%) of the initial carbon stock of all PAIs as quantified at the time of addition of each PAI to the grouped project.

Contributions to, and depletions from, the URS were tracked at the PAI level. A PAI's contribution to the uncredited reserve stock occurs once upon enrolment into the grouped project. The balance of the uncredited reserve stock must be included in this and all future monitoring reports and the balance shall be within the scope of verification, however is not a selected carbon pool.

Upon first enrolment to the grouped project, the PAI's contribution to the URS is quantified as nine percent (9%) of total carbon in the AGBG Living and AG Standing Dead pools. This procedure is further described in Section 5.1 and 5.2.

The purpose of the URS is to establish a dedicated carbon pool that can be depleted to account for carbon removed from the project boundary due to limited harvesting activities in-line with the policies of Forest Carbon Works, such as limited continuous thinning, group selection, or patch cuts (IFM 1), which aim to maintain forest vigor and improve structural characteristics to the benefit of added carbon removal by residual trees over time. Annex Q describes the harvest policy of Forest Carbon Works.

Maintenance of Accuracy

The URS does not negatively impact the accuracy of quantified emissions reductions and removals as there was no change in the calculation of uncertainty. The calculation of uncertainty included the URS (Annex W).

Conservativeness of Quantification

The deduction of URS from the initial carbon stock was conservative because it reduced crediting of emissions in the baseline scenario relative to the outcome where it had not been deducted. The tables below provide a comparison of the VCUs eligible for issuance between the with and without URS accounting scenarios, including relevant intermediate calculations. These tables show that the total quantity of VCUs eligible for issuance is 263,142 with the URS compared to 265,577 without the URS. With the URS, 244,978 Removals VCUs and 18,166 Reductions VCUs are eligible for issuance from MP1 to MP3. Without the URS, 245,814 Removals VCUs and 19,764 Reductions VCUs are eligible for issuance from MP1 to MP3. Table values are based on inventory data collected from the PAIs included during this monitoring period. Analysis workbooks containing the underlying calculations for URS accounting scenarios have been provided to the verification body (Annex W and Annex AB). This evidence demonstrates that the methodology deviation did not result in an overestimation of net GHG emissions reductions or removals and is therefore conservative.

Table 7: With Uncredited Reserve Stock This Monitoring Period

Year	Baseline emissions or removals (tCO_2e)	Project emissions or removals (tCO_2e)	Leakage emissions (tCO_2e)	Net GHG emission reductions or removals (tCO_2e)	Buffer pool allocation	Reductions VCUs	Removals VCUs	VCUs eligible for issuance
2020	-79	342	84	337	40	23	275	298
2021	-2,391	11,951	2,868	11,474	1,376	536	9,562	10,097
2022	-5,986	29,242	7,045	28,183	3,381	1,407	23,394	24,801
2023	-9,952	70,704	16,131	64,526	7,743	1,356	55,427	56,783
2024	-23,817	205,767	46,128	183,455	22,014	13,087	144,153	157,239
2025	-2,016	18,027	4,038	16,005	1,921	1,757	12,167	13,924

Total	-44,241	336,033	76,295	303,980	36,475	18,166	244,978	263,142

Table 8: Without Uncredited Reserve Stock

Year	Baseline emissions or removals (tCO_2e)	Project emissions or removals (tCO_2e)	Leakage emissions (tCO_2e)	Net GHG emission reductions or removals (tCO_2e)	Buffer pool allocation	Reductions VCUs	Removals VCUs	VCUs eligible for issuance
2020	*-79*	*342*	*84*	*350*	*40*	*23*	*275*	*297*
2021	*-2,391*	*11,951*	*2,868*	*11,828*	*1,376*	*536*	*9,561*	*10,097*
2022	*-5,986*	*29,242*	*7,045*	*29,053*	*3,381*	*1,407*	*23,394*	*24,801*
2023	*-10,954*	*70,704*	*16,331*	*66,325*	*7,839*	*1,855*	*55,632*	*57,487*
2024	-26,277	205,767	46,621	185,423	22,251	14,186	144,785	158,971
2025	-2,016	18,027	4,038	16,005	1,921	1,757	12,167	13,924
Total	-47,702	336,033	76,987	308,984	36,808	19,764	245,814	265,577

3.2.2 Project Description Deviations

Monitoring Period 3

The boundaries of PAI 1134 were adjusted during Monitoring Period 3. This PAI was previously enrolled in the Family Forest Carbon Project during Monitoring Period 2 and was issued 2,397 VCUs. However, prior to the finalization of MP3, the project proponent noticed a discrepancy between the acreage in Annex D (446 acres) and enrolled acreage (1,129.29 acres). The project proponent has corrected this and project files now align with Annex D. The project proponent has implemented QAQC procedures to prevent this issue from recurring (Annex AL).

The area associated with terminated PAIs was also deducted, resulting in the total project area of 27,907.69 hectares (68,959.90 acres). Deductions included 109.2 hectares for PAI 1045, 46.4 hectares for PAI 1073, 17.7 hectares for PAI 1178, and 19.0 hectares for PAI 1210. The Monitoring Report and Annexes have been updated to reflect these changes in project area. The credits issued from previous Monitoring Periods 1 and 2 attributable to the acreage discrepancy and the PAIs terminated have been deducted from the credits to be issued in Monitoring Period 3, see Annex AB.

Upon Verra's release of the VT0015 Calculation of Reductions and Removals for VM0003, VM0005, VM0012, and VM0034 Tool v1.0, the project proponent applied the tool to quantify and distinguish carbon dioxide removals and greenhouse gas emission reductions within the project. The tool was used to allocate VCUs into either reductions or removals VCUs, while the total number of VCUs generated

under the VM0003 methodology calculations remained unchanged. A detailed summary table reporting emission reductions, carbon dioxide removals, carbon stock changes, and the resulting allocation of VCUs can be found in Annex BD.

These project description deviations do not impact the applicability of the methodology, the project additionality, or the appropriateness of the baseline scenario.

3.3 Grouped Projects

The project is adding 42 project activity instances this monitoring period, see Section 1.1. The contiguous United States and southern Alaska is the geographic area defined at validation for the development of new instances (VCS 3.6.10). Baseline and additionality of new instances are based on the initial instances (VCS 3.6.11).

New activity instances are eligible for inclusion to the project where compliance against the full set of project eligibility criteria, including EC 3 and EC 6 for baseline demonstration (VCS 3.6.13) and EC 2g, EC 5, and EC 6 for demonstration of additionality (VCS 3.6.14), can be demonstrated. By new instances meeting EC2g, EC 3, EC 5, and EC6, they share the same assumptions for baseline scenario and additionality as the initial instance. Therefore, the new instances are additional and meet the common practice baseline scenario.

As all new instances being added to the project this monitoring period comply with all project eligibility criteria and are within the project's geographic region, they are eligible for inclusion (VCS 3.6.17).

The following subsections identify how each new PAI added during this monitoring period meets the project eligibility criteria as defined at validation.

Eligibility Criterion 1

The following table describes PAIs added during this monitoring period and if they encompass any peat soils; if yes, no harvesting shall be allowed during the project on these mapped peat soil areas per EC 1. See Annex A for maps of new PAIs with identified peat soils. Peat soils were identified using USDA SSURGO soil maps overlaid with project area shapefiles. Per EC 5, no harvesting shall occur on PAIs without project proponent approval; the project proponent shall not approve any harvesting on these mapped peat forest areas to comply with EC 1.

Table 9: PAI Peat Soils. See Annex A for soil maps of each PAI with identified peat soils.

PAI Number	Contains Peat Soils
1011	No
1060	No
1137	No
1158	Yes
1174	No

1179	No
1187	No
1189	No
1191	No
1194	No
1195	No
1196	No
1197	No
1200	No
1201	No
1202	Yes
1203	No
1204	No
1205	No
1206	No
1208	No
1209	No
1212	No
1213	No
1214	No
1216	Yes
1217	No
1218	No
1219	No
1220	No
1221	No
1239	No
1249	No
1252	No
1256	Yes
1258	No
1261	No
1262	No
1266	Yes
1267	No
1277	Yes
1293	No

Eligibility Criterion 2

The following table describes PAIs added during this monitoring period and if they have executed agreements meeting points a-j below. The table includes PAI ID number, confirmation of agreement execution, and Annex in which each PAI agreement can be found. All PAIs have executed agreements meeting the following:

a) require that the landowner hold all timber and carbon sequestration rights;

b) convey the right to claim all GHG emissions reductions or removals for the project activity to the project proponent;

c) vest legal title to the forest, rights of access to the sequestered carbon (or avoided carbon emissions), current land tenure, and forest management to the project proponent;

d) require that the landowner enroll all forested areas in the project, resulting in no activity shifting leakage;

e) require that the landowner continue management practices that protect the credited carbon stocks over at least 60 years;

f) ensure that the ownership and resource access/use rights are held by the same entity;

g) require that the landowner shall abide by all federal, state, and local regulations;

h) be enforceable by law;

i) prohibit any action in forest management that causes any emissions, including the use of fire, without prior approval from the project proponent; and

j) representation that landowner is the sole owner to the effect that ownership is not disputed.

Table 10: PAI Membership License Agreement Signature and Annex Location

PAI Number	Executed Agreement	Annex ID of Agreement	100-year Extended Monitoring Period
1011	Yes	Annex D	Yes
1060	Yes	Annex D	Yes
1137	Yes	Annex D	No
1158	Yes	Annex D	Yes
1174	Yes	Annex D	No
1179	Yes	Annex D	No
1187	Yes	Annex D	No
1189	Yes	Annex D	Yes
1191	Yes	Annex D	Yes
1194	Yes	Annex D	No

1195	Yes	Annex D	No
1196	Yes	Annex D	No
1197	Yes	Annex D	Yes
1200	Yes	Annex D	Yes
1201	Yes	Annex D	No
1202	Yes	Annex D	No
1203	Yes	Annex D	Yes
1204	Yes	Annex D	Yes
1205	Yes	Annex D	No
1206	Yes	Annex D	No
1208	Yes	Annex D	Yes
1209	Yes	Annex D	Yes
1212	Yes	Annex D	Yes
1213	Yes	Annex D	No
1214	Yes	Annex D	Yes
1216	Yes	Annex D	No
1217	Yes	Annex D	No
1218	Yes	Annex D	No
1219	Yes	Annex D	No
1220	Yes	Annex D	Yes
1221	Yes	Annex D	No
1239	Yes	Annex D	No
1249	Yes	Annex D	No
1252	Yes	Annex D	No
1256	Yes	Annex D	Yes
1258	Yes	Annex D	No
1261	Yes	Annex D	No
1262	Yes	Annex D	Yes
1266	Yes	Annex D	Yes
1267	Yes	Annex D	Yes
1277	Yes	Annex D	Yes

1293	Yes	Annex D	No

Eligibility Criterion 3

This eligibility criterion requires each PAI added to have FVS modeled projections of management practices in the baseline and project scenarios. In both scenarios, actual and modeled harvests shall follow maximum recommended water quality protection measures and all applicable laws. In all cases, the models shall demonstrate higher levels of harvesting in the baseline scenario compared to the project scenario. The baseline model shall involve even-aged harvesting techniques such as clear cuts and seed tree, among others (see section 5.1). The baseline model shall not be unmanaged. The project model shall involve uneven-aged harvesting techniques such as patch cuts, group selection and continuous thinning (IFM 1). See Section 5 for descriptions of the baseline and project scenarios. The table below lists each PAI and if it has both project and baseline models, results of which can be found in Annex AA.

Table 11: PAI Modeling

PAI Number	FVS Model of Baseline Scenario	FVS Model of Project Scenario
1011	Yes	Yes
1060	Yes	Yes
1137	Yes	Yes
1158	Yes	Yes
1174	Yes	Yes
1179	Yes	Yes
1187	Yes	Yes
1189	Yes	Yes
1191	Yes	Yes
1194	Yes	Yes
1195	Yes	Yes
1196	Yes	Yes
1197	Yes	Yes
1200	Yes	Yes
1201	Yes	Yes
1202	Yes	Yes
1203	Yes	Yes
1204	Yes	Yes
1205	Yes	Yes
1206	Yes	Yes
1208	Yes	Yes
1209	Yes	Yes
1212	Yes	Yes
1213	Yes	Yes

1214	Yes	Yes
1216	Yes	Yes
1217	Yes	Yes
1218	Yes	Yes
1219	Yes	Yes
1220	Yes	Yes
1221	Yes	Yes
1239	Yes	Yes
1249	Yes	Yes
1252	Yes	Yes
1256	Yes	Yes
1258	Yes	Yes
1261	Yes	Yes
1262	Yes	Yes
1266	Yes	Yes
1267	Yes	Yes
1277	Yes	Yes
1293	Yes	Yes

Eligibility Criterion 4

The PAI shall fall inside the designated area of the contiguous United States including southern Alaska, and each discrete area of land shall have a unique geographic identifier. See section 1.8, "Project Location," for maps and evidence that each PAI falls within the designated project area. See Annex C, or Table 2 for a list of PAIs and their location within the United States as evidence that all PAIs meet EC #4.

Eligibility Criterion 5

The landowner of the PAI shall execute one or more of the following:

a) An agreement prohibiting harvesting without the prior consent of the project proponent where the project proponent maintains a policy that limits approval of harvesting to approved techniques that promote the extension of rotation age such as patch cuts, continuous thinning, or group selection practices and prohibits changing the proportion of wetland, OR

b) An agreement to defer harvesting.

All PAIs have signed this agreement; see Table 8 above for each PAI's agreement Annex location.

Eligibility Criterion 6

The PAI shall have a baseline scenario demonstrating that common practice is even-aged management, without the extension of rotation age, as demonstrated by the provision of a timber harvest plan (THP) comparable to the baseline model, and in the same geographic/regulatory region, to the PAI. The common practice within the geographic regions the project area falls within is to maximize net present

value to the landowner by utilizing even-aged harvesting while complying with all relevant laws and regulations. The requirements of the California Air Resources Board Compliance Offset Protocol U.S. Forest Projects (COP 2015) section 5.2.1(e)(2)(B) shall be used to define comparable (Annex I). Per COP 2015, the provided comparable harvest material align with the baseline scenario when assessed against the following attributes:

1. Slopes that use the same methods (tractor, cable, helicopter, etc) for logging.
2. Functionally equivalent zoning class(es) to the project area
3. Comparable species composition to baseline management evidenced by identical forest type.

The legality and plausibility of the baseline scenario for each PAI has been confirmed by an independent forest consulting entity in order to comply with the guidance for defining the legal baseline in Section 6.3 of VM0003, and the attestations of such are available in Annex H. As of October 2024, new attestations shall contain language that asks signees to account for local recent and projected changes to forest product demand. To further substantiate baseline plausibility, the project proponent conducted an analysis of new PAIs using national land cover datasets demonstrating that surrounding areas held in private ownership have been harvested to some degree in the most recent 5-year period. Change detection analysis demonstrated canopy cover loss over this time period in a 50-mile radius surrounding the newly added PAIs, as shown in Annex BF.

By demonstrating that common practice even-aged management is the most plausible land use for the project area, it is selected as the baseline scenario.

The following table demonstrates for each PAI that the baseline scenario is common practice silviculture for the region by evidence of a comparable timber harvest plan (Annex Z) and a forester attestation (Annex H) confirming the plausibility of modeled management practices. More information on the baseline scenario is in section 5.1.

Table 12: PAI Baseline and Comparable THP

PAI Number	Baseline Scenario is Common Practice	Annex Location of Comparable THP	Annex Location of Forester Attestation
1011	Yes	Annex Z	Annex H
1060	Yes	Annex Z	Annex H
1137	Yes	Annex Z	Annex H
1158	Yes	Annex Z	Annex H
1174	Yes	Annex Z	Annex H
1179	Yes	Annex Z	Annex H
1187	Yes	Annex Z	Annex H
1189	Yes	Annex Z	Annex H
1191	Yes	Annex Z	Annex H
1194	Yes	Annex Z	Annex H
1195	Yes	Annex Z	Annex H
1196	Yes	Annex Z	Annex H

1197	Yes	Annex Z	Annex H
1200	Yes	Annex Z	Annex H
1201	Yes	Annex Z	Annex H
1202	Yes	Annex Z	Annex H
1203	Yes	Annex Z	Annex H
1204	Yes	Annex Z	Annex H
1205	Yes	Annex Z	Annex H
1206	Yes	Annex Z	Annex H
1208	Yes	Annex Z	Annex H
1209	Yes	Annex Z	Annex H
1212	Yes	Annex Z	Annex H
1213	Yes	Annex Z	Annex H
1214	Yes	Annex Z	Annex H
1216	Yes	Annex Z	Annex H
1217	Yes	Annex Z	Annex H
1218	Yes	Annex Z	Annex H
1219	Yes	Annex Z	Annex H
1220	Yes	Annex Z	Annex H
1239	Yes	Annex Z	Annex H
1249	Yes	Annex Z	Annex H
1252	Yes	Annex Z	Annex H
1256	Yes	Annex Z	Annex H
1258	Yes	Annex Z	Annex H
1261	Yes	Annex Z	Annex H
1262	Yes	Annex Z	Annex H
1266	Yes	Annex Z	Annex H
1267	Yes	Annex Z	Annex H
1277	Yes	Annex Z	Annex H
1293	Yes	Annex Z	Annex H

Eligibility Criterion 7

Prior to the first verification event, the project area shall meet one of the following conditions: Certified to Forest Stewardship Council (FSC); OR subject to an easement, or equivalent instrument, recorded against the deed of property that prohibits commercial harvesting for the duration of the crediting period, unless later certified to FSC.

PAIs that have undergone harvesting during the monitoring period hold FSC certification (Annex T). To comply with EC 7 for PAIs that are not FSC certified, see Annex D for evidence of an easement or equivalent instrument in place for each PAI that prevents commercial harvesting until FSC certification. As shown in Table 13, all PAIs that underwent harvesting were FSC certified prior to the commencement of any harvesting activities.

Table 13: FSC- Certified PAIs and Harvest Commencement Dates

PAI Number	FSC Certification Commencement Date	Harvest Commencement Date
1032	3/18/2024	7/26/2024
1144	7/12/2024	7/25/2024

Eligibility Criterion 8

If the landowner of the PAI was previously under contract with Natural Capital Exchange (NCX), provision of copies of all contracts between landowner and NCX prior to the first verification event is required.

The table below lists all PAIs previously under contract with NCX, and the location of the Annex where the contract is found.

Table 14: PAIs with Prior NCX Contracts

PAI Number	Prior NCX Contract	Annex Location
1194	Yes	Annex AE
1196	Yes	Annex AE
1197	Yes	Annex AE
1216	Yes	Annex AE
1218	Yes	Annex AE
1252	Yes	Annex AE

3.4 Baseline Reassessment

Did the project undergo baseline reassessment during the monitoring period?

☐ Yes ☒ No

4 DATA AND PARAMETERS

4.1 Data and Parameters Available at Validation

Data / Parameter	$A_{BSL,i}$
Data unit	Hectares
Description	Area of baseline measurement stratum, *i*
Source of data	GIS analysis, county data, survey data

Value Applied	Measurement stratum	Area (hectares)
	100701	16.6
	100701	16.6
	100702	11.8
	100703	1.3
	101101	84.08
	101102	41.56
	101103	4.85
	101104	8
	101201	87.7
	101202	92
	101203	97.7
	101401	634.2
	101402	344
	101403	123.9
	102301	94.3
	102302	12.5
	102303	19.5
	102401	3
	102402	28
	102501	3.3
	102502	23.2
	102601	15.4
	102602	10.6
	102603	7.9
	102701	113.1
	102702	29.1
	102801	11.5
	102802	25.1
	102901	37.7
	102902	15.1
	103001	26.7
	103002	4.3
	103101	37
	103102	7.1
	103201	15.7
	103202	6.3
	103301	99.7

	103302	18.8
	103401	187.6
	103402	63.2
	103501	22.7
	103502	14.4
	103601	64.5
	103701	15.8
	103702	11.4
	103801	62.8
	103802	37.8
	103901	24.9
	103902	14.1
	104001	100.1
	104101	21.9
	104201	52.2
	104202	154.2
	104301	3.2
	104302	7.7
	104303	5.4
	104401	8.6
	104402	29.2
	104601	30.9
	104701	46
	104801	10.1
	104802	3.5
	104803	5.4
	104901	27.8
	104902	31.5
	104903	17.3
	104904	53.5
	105001	34.9
	105002	10.7
	105101	10.5
	105102	5.9
	105201	24.5
	105202	25.2
	105301	7.9
	105302	24.5

	105401	12.9
	105402	4.2
	105501	31.5
	105601	38.4
	105602	59.4
	105603	80.3
	105701	168.6
	105702	41
	105801	21.5
	105802	33
	105803	26.1
	105901	206.3
	106001	40.26
	106101	20.9
	106102	18
	106103	17.4
	106201	34.4
	106202	48.7
	106301	44.7
	106302	108.1
	106401	54.8
	106501	31.4
	106502	8.8
	106601	49
	106602	37.5
	106701	104.7
	106702	24.2
	106801	38.1
	106802	35.1
	106901	78.8
	106902	14.6
	106903	20
	107001	69.3
	107002	203.6
	107101	7.6
	107102	212.5
	107103	57.9
	107104	8.8

	107401	128.5
	107402	171.1
	107403	31.9
	107901	58.7
	108001	30.1
	108201	46.7
	108202	2.4
	108301	23.5
	108302	17.5
	108401	383.8
	108402	80
	108501	34.9
	108601	22.3
	108701	77.6
	108702	59.8
	108801	32.3
	108901	14
	108902	6.6
	109001	27.2
	109002	58.7
	109101	232.2
	109201	134
	109301	354.7
	109302	314.7
	109401	17
	109402	37.7
	109501	121.7
	109701	34.3
	109702	41.4
	109901	20.8
	109902	29.9
	109903	54.6
	109904	22
	110001	55.4
	110002	13.9
	110003	35.3
	110101	44.5
	110102	32.9

	110201	17.8
	110202	4
	110301	16.1
	110302	27.8
	110303	19.9
	110401	38.4
	110402	4.8
	110501	32.4
	110502	104.8
	110503	245.8
	110504	44.9
	110701	2000.7
	110702	2379.8
	110801	22.4
	110802	40.5
	110803	24.7
	110901	39.6
	111001	68.1
	111101	208.9
	111102	139
	111201	33.5
	111202	10.9
	111301	132
	111401	14.2
	111402	9.9
	111403	8.2
	111501	30.9
	111502	11.2
	111601	35
	111602	20.8
	111701	31
	111702	51.1
	111801	200.8
	111802	16.6
	111803	38.6
	111901	38.2
	112001	135.1
	112002	117.2

112101	28.3
112102	40.9
112201	38.1
112202	6.2
112301	100.9
112302	112.8
112401	4.9
112402	38.9
112501	8
112601	27.4
113301	66.0
113401	180.3
113701	14.87
113702	5.17
113801	81.2
113901	30
113902	192.7
114101	187.6
114102	464
114103	90
114201	11.7
114202	18.1
114301	5.5
114302	59.9
114303	30.1
114401	622.9
114402	50.7
114403	15.1
114404	4.7
114405	34.6
114406	4.9
114501	57.8
114502	135
114503	267.8
114504	90.7
114505	62
114601	90.9
114701	34.1

	114702	11.5
	115801	55.98
	115802	14.76
	115803	62.22
	115901	54.8
	115902	18.9
	116001	90.3
	116002	20.9
	116101	99.6
	116201	38.2
	116202	20.8
	116301	214.6
	116302	1957
	116303	1647.6
	116401	114.7
	116402	214.9
	116403	333.1
	116501	50.3
	116502	81.4
	116601	176.2
	116602	391.5
	116701	38.7
	116702	18.9
	116801	29.4
	116802	89.7
	116901	13.1
	116902	9.7
	117001	130
	117101	54.9
	117102	32.3
	117103	21.7
	117104	14.8
	117201	69.4
	117202	17
	117401	11.62
	117402	19
	117501	155.7
	117502	40.5

	117901	32.7
	117902	44.59
	118101	23.6
	118102	10.2
	118103	32.8
	118104	42.6
	118201	46
	118202	69
	118203	18.5
	118301	31.2
	118302	16.8
	118401	16.8
	118402	13.5
	118403	14.8
	118501	37.7
	118502	13.8
	118601	25.1
	118602	6.3
	118701	6.89
	118702	12.68
	118703	41.64
	118704	11.81
	118801	80.7
	118802	48.3
	118803	25.6
	118901	20.76
	118902	10.89
	119001	41.9
	119002	43.3
	119101	11.35
	119201	64.2
	119202	103.2
	119401	17.26
	119402	79.95
	119403	22.39
	119501	44.54
	119502	9.79
	119601	35.97

	119602	48
	119701	23.82
	119702	8.43
	119703	3.16
	120001	35.85
	120002	10.03
	120101	19.88
	120102	17.01
	120201	24.08
	120301	28.28
	120302	34.67
	120401	67.85
	120402	57.86
	120501	53.93
	120502	17.9
	120601	118.62
	120602	208.33
	120801	59
	120901	22.95
	121201	52.6
	121301	37.31
	121302	109.98
	121401	104
	121601	25.97
	121701	99.02
	121702	79.84
	121703	35.77
	121704	19.04
	121705	7.48
	121801	46.47
	121802	11.47
	121803	5.35
	121804	5.9
	121901	28
	121902	17.6
	122001	25.97
	122101	58.98
	123901	51.58

	124901	54.93
	124902	34.43
	125201	114.37
	125202	77.95
	125203	25.01
	125601	19.68
	125602	8.58
	125801	19.26
	125802	3.43
	126101	24.52
	126102	13.47
	126201	113.44
	126202	69.94
	126203	25.33
	126204	10.53
	126205	4.22
	126601	14.32
	126602	11.32
	126701	48.93
	127701	89.32
	127702	17.39
	129301	274.69
Justification of choice of data or description of measurement methods and procedures applied	Using a combination of GIS and county data allowed the most accurate calculation of area. Project area calculated according to VCS Standard A1.5 by project proponent on 22 March 2023.	
Purpose of data	Determination of baseline scenario	
Comments	Annex W, Annex Y	

Data / Parameter	BEF
Data unit	Dimensionless
Description	Biomass expansion factor for conversion of annual net increment in stem biomass to total above ground tree biomass increment for species *j*

Source of data	VM0003 Methodology v1.3 Section 8.5.1.1
Value Applied	<table><tr><th>Climatic zone</th><th>Forest type</th><th>Minimum dbh (cm)</th><th>BEF_2 (overbark) to be used in connection to growing stock biomass data (Equation 3.2.3)</th><th>BEF_1 (overbark) to be used in connection to increment data (Equation 3.2.5)</th></tr><tr><td rowspan="2">Boreal</td><td>Conifers</td><td>0-8.0</td><td>1.35 (1.15-3.8)</td><td>1.15 (1-1.3)</td></tr><tr><td>Broadleaf</td><td>0-8.0</td><td>1.3 (1.15-4.2)</td><td>1.1 (1-1.3)</td></tr><tr><td rowspan="3">Temperate</td><td>Conifers: Spruce-fir</td><td>0-12.5</td><td>1.3 (1.15-4.2)</td><td>1.15 (1-1.3)</td></tr><tr><td>Pines</td><td>0-12.5</td><td>1.3 (1.15-3.4)</td><td>1.05 (1-1.2)</td></tr><tr><td>Broadleaf</td><td>0-12.5</td><td>1.4 (1.15-3.2)</td><td>1.2 (1.1-1.3)</td></tr><tr><td rowspan="2">Tropical</td><td>Pines</td><td>10.0</td><td>1.3 (1.2-4.0)</td><td>1.2 (1.1-1.3)</td></tr><tr><td>Broadleaf</td><td>10.0</td><td>3.4 (2.0-9.0)</td><td>1.5 (1.3-1.7)</td></tr></table> Source: IPCC Good Practice Guidance for Land Use, Land Use Change and Forestry (2003), Table 3A.1.10.
Justification of choice of data or description of measurement methods and procedures applied	Calculation process detailed in VM0003 Methodology v1.3 Section 8.5.1.1.
Purpose of data	Determination of baseline scenario
Comments	Annex O

Data / Parameter	CF_j
Data unit	tCt^{-1} d.m.
Description	Carbon fraction of dry matter
Source of data	Default value from IPCC Good Practice Guidance for Land Use, Land Use Change and Forestry – Section 4.3
Value Applied	0.47 tCt^{-1} dry matter
Justification of choice of data or description of measurement methods and procedures applied	Recommended in VM0003 Methodology v1.3 Section 8.4. CFj used in Family Forest Carbon Project selected by project proponent
Purpose of data	Calculation of baseline emissions
Comments	

Data / Parameter	D_{DW}

Data unit	T d.m. ft^{-3}
Description	Basic wood density of dead wood in the density class- sound (1), intermediate (2), and rotten (3)
Source of data	Harmon et al. 2011
Value Applied	<table><tr><th>Decay Class</th><th>Standing Dead (g/cm^3)</th><th>Downed Dead (g/cm^3)</th></tr><tr><td>1</td><td>0.40</td><td>0.40</td></tr><tr><td>2</td><td>0.38</td><td>0.33</td></tr><tr><td>3</td><td>0.35</td><td>0.26</td></tr></table> Average density (g/cm3) for standing dead and downed dead trees for all species and sites by decay class. Source: Harmon et al. 2011, Table 4.
Justification of choice of data or description of measurement methods and procedures applied	Data published and used by the United States Forest Service. Recommended by VM0003 Methodology v1.3 8.5.1.2. D_{DW} used in Family Forest Carbon Project selected by project proponent on 24 April 2023.
Purpose of data	Determination of baseline scenario
Comments	Annex M

Data / Parameter	D_j
Data unit	t d.m. $tree^{-3}$
Description	Basic wood density of species *j*
Source of data	Miles, Patrick D.; Smith, W. Brad. 2009. Specific gravity and other properties of wood and bark for 156 tree species found in North America. Res. Note NRS-38. Newtown Square, PA: U.S. Department of Agriculture, Forest Service, Northern Research Station. 35 p.
Value Applied	Species and region specific. Species included in initial PAI (1024) are listed below:

	Species Name	***t/m³***
	Western red cedar	0.49
	Bigleaf maple	0.86
	Red alder	0.86
	Black cottonwood	0.87
	Cherry	0.83
Justification of choice of data or description of measurement methods and procedures applied	Data published and used by the United States Forest Service, Research Note NRS-38: "*Specific Gravity and Other Properties of Wood and Bark for 156 Tree Species Found in North America,*" Miles and Smith 2009. Recommended by VM0003 Methodology v1.3 8.5.1.3 Method 2. D_j used in Family Forest Carbon Project selected by project proponent on 24 April 2023. All wood densities for species *j* used in the project are sourced from the above NRS-38.	
Purpose of data	Calculation of baseline and project carbon storage	
Comments	Annex G	

Data / Parameter	f_j(DBH, H)
Data unit	T d.m. tree^{-3}
Description	Allometric equation for species j linking diameter at breast height (DBH) and possible height (H) to above ground biomass of living trees
Source of data	California Air Resources Board
Value Applied	Species and region specific
Justification of choice of data or description of measurement methods and procedures applied	Equations selected are specific to all PAI regions. Data published and used by the California Air Resources Board. f_j used in Family Forest Carbon Project selected by project proponent on 24 April 2023.
Purpose of data	Determination of baseline scenario
Comments	Annex P

Data / Parameter	OF, WW
Data unit	Kg kg^{-1}
Description	*OF* = Fraction of wood products that will be emitted to the atmosphere between 5 and 100 years after production; *WW* = Fraction of extracted biomass effectively emitted to the atmosphere during production
Source of data	Winjum et al. 1998
Value Applied	*OF* = Value of 0.62 given by VM0003 v1.3 for both sawnwood and paper and paperboard *WW* = Value of 0.19 given by VM0003 v1.3 for developed countries
Justification of choice of data or description of measurement methods and procedures applied	Values provided by VM0003 Methodology v1.3 Section 8.5.1.3 Equation 32. OF, WW used in Family Forest Carbon Project selected by project proponent on 24 April 2023.
Purpose of data	Calculation of project emissions
Comments	Annex J

Data / Parameter	Data unit	Description	Source of data	Value Applied	Justification of choice of data or description of measurement methods and procedures applied	Purpose of data	Comments
PML,FT Measurement Stratum 100701	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 100702	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 100703	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 101101	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 101102	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 101103	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 101104	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 101201	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 101202	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 101203	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 101401	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 101402	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 101403	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	71%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 102301	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 102302	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	71%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 102303	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	71%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 102401	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	77%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 102402	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	58%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 102501	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	58%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 102502	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	77%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 102601	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 102602	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	69%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 102603	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 102701	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	58%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 102702	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	69%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 102801	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	58%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 102802	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 102901	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 102902	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 103001	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 103002	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	69%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 103101	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 103102	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 103201	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 103202	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 103203	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 103301	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	67%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 103302	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	67%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 103401	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 103402	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 103501	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 103502	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	58%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 103601	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	62%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 103701	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 103702	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 103801	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 103802	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 103901	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	61%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 103902	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	66%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 104001	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 104101	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	77%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 104201	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	69%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 104202	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	58%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 104301	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 104302	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	71%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 104303	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	71%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 104401	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	58%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 104402	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	58%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 104601	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	62%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 104701	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 104801	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	64%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 104802	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 104803	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	64%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 104901	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	58%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 104902	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	58%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 104903	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	58%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 104904	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	58%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 105001	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	69%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 105002	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	58%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 105101	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	69%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 105102	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 105201	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 105202	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 105301	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 105302	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 105401	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	77%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 105402	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	71%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 105501	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	61%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 105601	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 105602	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	72%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 105603	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	71%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 105701	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 105702	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 105801	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 105802	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	71%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 105803	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	77%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 105901	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	77%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 106001	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 106101	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	62%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 106102	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	62%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 106103	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 106201	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 106202	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 106301	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 106302	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 106401	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 106501	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 106502	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 106601	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 106602	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 106701	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 106702	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	71%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 106801	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 106802	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 106901	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 106902	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	71%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 106903	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 107001	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 107002	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 107101	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 107102	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	58%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 107103	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 107104	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	77%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 107401	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 107402	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 107403	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	62%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 107901	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 108001	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 108201	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 108202	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 108301	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	62%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 108302	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 108401	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 108402	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 108501	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 108601	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 108701	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 108702	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 108801	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	69%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 108901	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 108902	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	72%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 109001	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 109002	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 109101	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 109201	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 109301	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	61%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 109302	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 109401	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	69%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 109402	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 109501	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 109701	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 109702	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 109901	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 109902	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 109903	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 109904	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	58%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 110001	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 110002	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 110003	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 110101	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 110102	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 110201	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 110202	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 110301	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 110302	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 110303	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 110401	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 110402	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 110501	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	77%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 110502	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	61%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 110503	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	58%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 110504	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 110701	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 110702	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 110801	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	61%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 110802	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 110803	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	61%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 110901	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 111001	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 111101	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 111102	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 111201	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 111202	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	69%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 111301	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 111401	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	77%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 111402	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	77%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 111403	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 111501	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 111502	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	61%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 111601	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	61%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 111602	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 111701	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 111702	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 111801	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 111802	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 111803	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	71%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 111901	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 112001	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	71%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 112002	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 112101	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 112102	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 112201	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 112202	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	77%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 112301	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	71%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

PML,FT Measurement Stratum 112302	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	58%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 112401	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 112402	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 112501	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 112601	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	72%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement	%	Mean merchantable biomass as a proportion	VM0003 Methodology	76%	Recommended in VM0003 Methodology	Calculation of	PMLFT used in Family Forest

Stratum 113301		of total above ground tree biomass for each forest type	v1.3 Section 8.6.1		v1.3 section 9.1	leakage	Carbon Project selected by project proponent
PML,FT Measurement Stratum 113401	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 113701	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 113702	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	77%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 113801	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	0%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 113901	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section	61%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by

		tree biomass for each forest type	8.6.1				project proponent
PML,FT Measurement Stratum 113902	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 114101	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	58%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 114102	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 114103	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 114201	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 114202	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	72%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 114301	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 114302	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 114303	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 114401	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 114402	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 114403	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 114404	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 114405	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 114406	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 114601	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	64%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 114701	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 114702	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	77%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 115801	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 115802	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 115803	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 115901	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	71%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 115902	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 116001	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 116002	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 116101	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	71%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 116201	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	72%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 116202	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 116301	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	77%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 116302	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 116303	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 116401	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 116402	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 116403	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	71%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 116601	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 116602	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	67%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 116701	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	67%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 116702	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	77%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 116801	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 116802	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 116901	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	67%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 116902	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	67%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 117001	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 117101	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	61%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 117102	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	61%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 117103	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	58%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 117104	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	58%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 117201	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 117202	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	69%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 117401	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 117402	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 117501	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	71%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 117502	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 117901	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 117902	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 118101	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 118102	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 118103	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 118104	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 118201	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 118202	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 118203	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	58%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 118301	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	67%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 118302	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 118401	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	69%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 118402	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 118403	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 118501	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 118502	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 118601	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 118602	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	71%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 118701	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 118702	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 118703	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 118704	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 118801	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 118802	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 118803	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	69%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 118901	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 118902	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 119001	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	69%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 119002	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	77%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 119101	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	72%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 119201	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 119202	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	58%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 119401	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	72%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 119402	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	72%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 119403	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 119501	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 119502	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 119601	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 119602	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 119701	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 119702	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 119703	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	72%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 120001	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 120002	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 120101	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	77%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 120102	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	77%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 120201	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 120301	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 120302	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	77%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 120401	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 120402	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 120501	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 120502	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	71%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 120601	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	64%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 120602	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	64%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 120801	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 120901	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 121201	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 121301	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 121302	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	71%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 121401	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 121601	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 121701	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 121702	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	71%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 121703	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 121704	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	71%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 121705	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 121801	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 121802	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 121803	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 121804	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 121901	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 121902	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 122001	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	72%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 122101	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 123901	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 124901	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	70%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 124902	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	58%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 125201	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	71%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 125202	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	71%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 125203	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	71%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 125601	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 125602	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 125801	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	77%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 125802	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 126101	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 126102	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 126201	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	71%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 126202	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	71%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 126203	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	71%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 126204	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	71%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 126205	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	77%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 126601	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 126602	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 126701	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 127701	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	73%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent
PML,FT Measurement Stratum 127702	%	Mean merchantable biomass as a proportion of total above ground	VM0003 Methodology v1.3 Section 8.6.1	76%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

		tree biomass for each forest type					
PML,FT Measurement Stratum 129301	%	Mean merchantable biomass as a proportion of total above ground tree biomass for each forest type	VM0003 Methodology v1.3 Section 8.6.1	64%	Recommended in VM0003 Methodology v1.4 Section 9.1	Calculation of Leakage	PMLFT used in Family Forest Carbon Project selected by project proponent

Data / Parameter	R
Data unit	Kg kg^{-1}
Description	Root-shoot ratio appropriate for biomass increment of forest type/biome
Source of data	IPCC, Good Practice Guidance for Land Use, Land–Use Change and Forestry, 2003

Value Applied

Vegetation Type	Aboveground biomass (t/ha)	Root-to-shoot ratio, R
Conifer forest/plantation	<50	0.40
Conifer forest/plantation	50-150	0.29
Conifer forest/plantation	>150	0.20

	Broadleaf <75 0.46 Broadleaf 75-150 0.23 Broadleaf >150 0.24 Quercus spp. >70 0.30 Average belowground to aboveground biomass ratio (root-shoot ratio, R) in natural regeneration by broad category (tonnes dry matter). Source: Table 3A.1.8 IPCC, Good Practice Guidance for Land Use, Land–Use Change and Forestry, 2003.
Justification of choice of data or description of measurement methods and procedures applied	Recommended per VM0003 Methodology v1.3. R used in the Family Forest Carbon Project selected by project proponent on 24 April 2023.
Purpose of data	Determination of baseline scenario
Comments	Annex O. See Section 5.2 for measurement stratum-level root to shoot ratio assignments.

Data / Parameter	SLF
Data unit	Unitless
Description	Short-lived fraction- proportion of wood products that oxidize immediately in the first three years after harvesting

Source of data	Winjum et al. 1998 Annex J
Value Applied	**Wood Product Class** / **SLF** Sawnwood / 0.12 Woodbase panels / 0.06 Other industrial roundwood / 0.18 Paper and paperboard / 0.24
Justification of choice of data or description of measurement methods and procedures applied	Recommended per VM0003 Methodology v1.3. SLF used in the Family Forest Carbon Project selected by project proponent on 24 April 2023.
Purpose of data	Calculation of project emissions
Comments	Annex J

4.2 Data and Parameters Monitored

Data/ Parameter	Ai
Data unit	Hectares
Description	Area of measurement stratum i
Source of data	GIS area
Description of measurement methods and procedures to be applied	Area defined by property boundaries, watershed boundaries, and operational unit boundaries. Monitoring and measuring was performed by project proponent. Measurement using ArcGIS software is highly accurate. Per VCS Standard 3.16.5, where measurement and monitoring equipment is used, the project proponent shall ensure the equipment is calibrated according to the equipment's specifications and/or relevant national or international standards. FCW staff and contractors will be responsible for taking measurement.
Frequency of monitoring/ recording	Annually
Value applied	

Measurement stratum	Area (hectares)
100701	16.6
100702	11.8
100703	1.3
101101	84.08
101102	41.56
101103	4.85
101104	8
101201	87.7
101202	92
101203	97.7
101401	634.2
101402	344
101403	123.9
102301	94.3
102302	12.5
102303	19.5
102401	3
102402	28
102501	3.3
102502	23.2
102601	15.4
102602	10.6

	102603	7.9
	102701	113.1
	102702	29.1
	102801	11.5
	102802	25.1
	102901	37.7
	102902	15.1
	103001	26.7
	103002	4.3
	103101	37
	103102	7.1
	103201	15.7
	103202	6.3
	103301	99.7
	103302	18.8
	103401	187.6
	103402	63.2
	103501	22.7
	103502	14.4
	103601	64.5
	103701	15.8
	103702	11.4
	103801	62.8
	103802	37.8
	103901	24.9
	103902	14.1
	104001	100.1
	104101	21.9
	104201	52.2
	104202	154.2
	104301	3.2
	104302	7.7
	104303	5.4
	104401	8.6
	104402	29.2
	104601	30.9
	104701	46
	104801	10.1
	104802	3.5
	104803	5.4
	104901	27.8

	104902	31.5
	104903	17.3
	104904	53.5
	105001	34.9
	105002	10.7
	105101	10.5
	105102	5.9
	105201	24.5
	105202	25.2
	105301	7.9
	105302	24.5
	105401	12.9
	105402	4.2
	105501	31.5
	105601	38.4
	105602	59.4
	105603	80.3
	105701	168.6
	105702	41
	105801	21.5
	105802	33
	105803	26.1
	105901	206.3
	106001	40.26
	106101	20.9
	106102	18
	106103	17.4
	106201	34.4
	106202	48.7
	106301	44.7
	106302	108.1
	106401	54.8
	106501	31.4
	106502	8.8
	106601	49
	106602	37.5
	106701	104.7
	106702	24.2
	106801	38.1
	106802	35.1
	106901	78.8

	106902	14.6
	106903	20
	107001	69.3
	107002	203.6
	107101	7.6
	107102	212.5
	107103	57.9
	107104	8.8
	107401	128.5
	107402	171.1
	107403	31.9
	107901	58.7
	108001	30.1
	108201	46.7
	108202	2.4
	108301	23.5
	108302	17.5
	108401	383.8
	108402	80
	108501	34.9
	108601	22.3
	108701	77.6
	108702	59.8
	108801	32.3
	108901	14
	108902	6.6
	109001	27.2
	109002	58.7
	109101	232.2
	109201	134
	109301	354.7
	109302	314.7
	109401	17
	109402	37.7
	109501	121.7
	109701	34.3
	109702	41.4
	109901	20.8
	109902	29.9
	109903	54.6
	109904	22

	110001	55.4
	110002	13.9
	110003	35.3
	110101	44.5
	110102	32.9
	110201	17.8
	110202	4
	110301	16.1
	110302	27.8
	110303	19.9
	110401	38.4
	110402	4.8
	110501	32.4
	110502	104.8
	110503	245.8
	110504	44.9
	110701	2000.7
	110702	2379.8
	110801	22.4
	110802	40.5
	110803	24.7
	110901	39.6
	111001	68.1
	111101	208.9
	111102	139
	111201	33.5
	111202	10.9
	111301	132
	111401	14.2
	111402	9.9
	111403	8.2
	111501	30.9
	111502	11.2
	111601	35
	111602	20.8
	111701	31
	111702	51.1
	111801	200.8
	111802	16.6
	111803	38.6
	111901	38.2

	112001	135.1
	112002	117.2
	112101	28.3
	112102	40.9
	112201	38.1
	112202	6.2
	112301	100.9
	112302	112.8
	112401	4.9
	112402	38.9
	112501	8
	112601	27.4
	113301	66.0
	113401	180.3
	113701	14.87
	113702	5.17
	113801	81.2
	113901	30
	113902	192.7
	114101	187.6
	114102	464
	114103	90
	114201	11.7
	114202	18.1
	114301	5.5
	114302	59.9
	114303	30.1
	114401	622.9
	114402	50.7
	114403	15.1
	114404	4.7
	114405	34.6
	114406	4.9
	114501	57.8
	114502	135
	114503	267.8
	114504	90.7
	114505	62
	114601	90.9
	114701	34.1
	114702	11.5

	115801	55.98
	115802	14.76
	115803	62.22
	115901	54.8
	115902	18.9
	116001	90.3
	116002	20.9
	116101	99.6
	116201	38.2
	116202	20.8
	116301	214.6
	116302	1957
	116303	1647.6
	116401	114.7
	116402	214.9
	116403	333.1
	116501	50.3
	116502	81.4
	116601	176.2
	116602	391.5
	116701	38.7
	116702	18.9
	116801	29.4
	116802	89.7
	116901	13.1
	116902	9.7
	117001	130
	117101	54.9
	117102	32.3
	117103	21.7
	117104	14.8
	117201	69.4
	117202	17
	117401	11.62
	117402	19
	117501	155.7
	117502	40.5
	117901	32.7
	117902	44.59
	118101	23.6
	118102	10.2

	118103	32.8
	118104	42.6
	118201	46
	118202	69
	118203	18.5
	118301	31.2
	118302	16.8
	118401	16.8
	118402	13.5
	118403	14.8
	118501	37.7
	118502	13.8
	118601	25.1
	118602	6.3
	118701	6.89
	118702	12.68
	118703	41.64
	118704	11.81
	118801	80.7
	118802	48.3
	118803	25.6
	118901	20.76
	118902	10.89
	119001	41.9
	119002	43.3
	119101	11.35
	119201	64.2
	119202	103.2
	119401	17.26
	119402	79.95
	119403	22.39
	119501	44.54
	119502	9.79
	119601	35.97
	119602	48
	119701	23.82
	119702	8.43
	119703	3.16
	120001	35.85
	120002	10.03
	120101	19.88

	120102	17.01
	120201	24.08
	120301	28.28
	120302	34.67
	120401	67.85
	120402	57.86
	120501	53.93
	120502	17.9
	120601	118.62
	120602	208.33
	120801	59
	120901	22.95
	121201	52.6
	121301	37.31
	121302	109.98
	121401	104
	121601	25.97
	121701	99.02
	121702	79.84
	121703	35.77
	121704	19.04
	121705	7.48
	121801	46.47
	121802	11.47
	121803	5.35
	121804	5.9
	121901	28
	121902	17.6
	122001	25.97
	122101	58.98
	123901	51.58
	124901	54.93
	124902	34.43
	125201	114.37
	125202	77.95
	125203	25.01
	125601	19.68
	125602	8.58
	125801	19.26
	125802	3.43
	126101	24.52

	126102	13.47
	126201	113.44
	126202	69.94
	126203	25.33
	126204	10.53
	126205	4.22
	126601	14.32
	126602	11.32
	126701	48.93
	127701	89.32
	127702	17.39
	129301	274.69
Monitoring equipment	ArcGIS software	
QA/QC procedures to be applied	Geospatial boundaries were checked to confirm accuracy through the use of management plans, official surveys and publicly available data. Aerial imagery was used to check for agreement with digitized boundaries. Online tax maps were also checked for agreement with ownership boundaries. Project shapefiles are kept current and backed up.	
Purpose of data	Calculation of project emissions	
Calculation method	ArcGIS “Calculate Geometry” & “Summary Statistics” tools	
Comments	Annex W, Annex Y	

Data/ Parameter	Ap
Data unit	Hectares/Acres
Description	Area of sample plot
Source of data	See section 4.3 for Monitoring Plan
Description of measurement methods and procedures to be applied	Plots measured in accordance with standard forest measurement practices. Project proponent will be responsible for performing measurement. Monitoring and measuring will be performed by project proponent. Further description of measurement methods can be found in section 5.3. Per VCS Standard 3.16.5, where measurement and monitoring equipment is used, the project proponent shall ensure the equipment is calibrated according to

	the equipment's specifications and/or relevant national or international standards. FCW staff and contractors will be responsible for taking measurement.
Frequency of monitoring/ recording	At least prior to baseline reassessment
Value applied	5.1m (16.7 ft) (1/123.5 Hectares | 1/50 acre)
Monitoring equipment	Measuring tape, laser or equivalent to establish plot radius
QA/QC procedures to be applied	

Stage	QA/QC Step
Inventory	Field instruments were calibrated before and will be throughout the inventory to ensure the collection of the most accurate and precise data.
Inventory	Project proponent ensures that foresters follow behind forestry technicians checking their measurements on a sample of plots until they are sure proper techniques are being used and the quality of measurements suffices
Data Checks	Inventory data are sent to project proponent and reviewed for data accuracy. Feedback is given to the project proponent's forester regarding this data. The data is entered into the treelist workbook. This data is backed up on project proponent's servers
Data Checks	Data is compiled to ensure that all allocated plots have been visited and measurements have been taken.

Purpose of data	Calculation of project emissions
Calculation method	Varies by stand
Comments	Fixed radius plot design

Data/ Parameter	$DM_{n,l,t}$
Data unit	Cm (In.)

<table>
<tr><td>Description</td><td>Diameter of piece n of dead wood along the transect in measurement stratum i, at time t</td></tr>
<tr><td>Source of data</td><td>Field measurement in sample transects</td></tr>
<tr><td>Description of measurement methods and procedures to be applied</td><td>Project proponent is responsible for performing measurement. Further description of measurement methods and procedures can be found in Harmon & Sexton 1996 (Annex M). FCW staff and contractors are responsible for taking measurement.</td></tr>
<tr><td>Frequency of monitoring/ recording</td><td>At least prior to baseline reassessment</td></tr>
<tr><td>Value applied</td><td>Specific to each piece of dead wood along the transect in measurement stratum i, at time t</td></tr>
<tr><td>Monitoring equipment</td><td>Logger tape or laser</td></tr>
<tr><td>QA/QC procedures to be applied</td><td>
<table>
<tr><th>Stage</th><th>QA/QC Step</th></tr>
<tr><td>Inventory</td><td>Field instruments were calibrated before and will be throughout the inventory to ensure the collection of the most accurate and precise data.</td></tr>
<tr><td>Inventory</td><td>Project proponent ensures that foresters follow behind forestry technicians checking their measurements on a sample of plots until they are sure proper techniques are being used and the quality of measurements suffices</td></tr>
<tr><td>Data Checks</td><td>Inventory data are sent to project proponent and reviewed for data accuracy. Feedback is given to the project proponent’s forester regarding this data. The data is entered into the treelist workbook. This data is backed up on project proponent’s servers</td></tr>
<tr><td>Data Checks</td><td>Data is compiled to ensure that all allocated plots have been visited and measurements have been taken.</td></tr>
</table>
</td></tr>
<tr><td>Purpose of data</td><td>Calculation of project emissions</td></tr>
<tr><td>Calculation method</td><td>Measured</td></tr>
</table>

Comments	Lying dead wood pool conservatively excluded for project, but included in baseline

Data/ Parameter	DBH
Data unit	Cm (In.)
Description	Diameter at breast height of tree 1.4 m (4.5 ft. above the ground)
Source of data	Field measurements in sample plots
Description of measurement methods and procedures to be applied	Project proponent is responsible for performing measurement and monitoring. DBH measurements were taken for all trees within sample plots that were at least 12.7 cm (5 inches) in diameter. Collection of DBH measurements was facilitated through the use of a proprietary hardware device. Further description of measurement methods using proprietary hardware and software can be found in section 4.3. Per VCS Standard 3.16.5, where measurement and monitoring equipment is used, the project proponent shall ensure the equipment is calibrated according to the equipment's specifications and/or relevant national or international standards. FCW staff and contractors will be responsible for taking measurement.
Frequency of monitoring/ recording	At least prior to baseline reassessment
Value applied	Specific to each measurement taken
Monitoring equipment	FCW proprietary hardware device and inventory management software
QA/QC procedures to be applied	

Stage	QA/QC Step
Inventory	Field instruments were calibrated before and will be throughout the inventory to ensure the collection of the most accurate and precise data.
Inventory	Project proponent ensures that foresters follow behind forestry technicians checking their measurements on a sample of plots until they are sure proper techniques are being used and the quality of measurements suffices
Data Checks	Inventory data are sent to project proponent and reviewed for data accuracy. Feedback is given to

		the project proponent's forester regarding this data. The data is entered into the treelist workbook. This data is backed up on project proponent's servers
	Data Checks	Data is compiled to ensure that all allocated plots have been visited and measurements have been taken.
Purpose of data	Calculation of project emissions	
Calculation method	Measured prior to baseline reassessment; modelled in FVS for forecasting.	
Comments		

Data/ Parameter	H
Data unit	M (Ft.)
Description	Height of tree
Source of data	Field measurements in sample plots
Description of measurement methods and procedures to be applied	Project proponent is responsible for performing measurement and monitoring. Height measurements were taken for trees within sample plots. Collection of height measurements was facilitated using a proprietary hardware device. A further description of measurement methods using FCW proprietary hardware and software can be found in section 4.3. Per VCS Standard 3.16.5., where measurement and monitoring equipment is used, the project proponent shall ensure the equipment is calibrated according to the equipment's specifications and/or relevant national or international standards. FCW staff and contractors will be responsible for taking measurement.
Frequency of monitoring/ recording	At least prior to baseline reassessment
Value applied	Specific to each tree measured
Monitoring equipment	FCW proprietary hardware device and inventory management software

QA/QC procedures to be applied	Stage	QA/QC Step
	Inventory	Field instruments were calibrated before and will be throughout the inventory to ensure the collection of the most accurate and precise data.
	Inventory	Project proponent ensures that foresters follow behind forestry technicians checking their measurements on a sample of plots until they are sure proper techniques are being used and the quality of measurements suffices
	Data Checks	Inventory data are sent to project proponent and reviewed for data accuracy. Feedback is given to the project proponent's forester regarding this data. The data is entered into the treelist workbook. This data is backed up on project proponent's servers
	Data Checks	Data is compiled to ensure that all allocated plots have been visited and measurements have been taken.
Purpose of data	Calculation of project emissions	
Calculation method	Measured prior to baseline reassessment, otherwise modelled using FVS for forecasting.	
Comments		

Data/ Parameter	L
Data unit	M (Ft.)
Description	Length of the transect to determine volume of lying dead wood
Source of data	Field measurements in sample transects
Description of measurement methods and procedures to be applied	Project proponent was responsible for performing measurement. Monitoring and measuring were performed by the project proponent. Measurement methods and procedures follow guidelines by Harmon & Sexton 1996 (Annex M). Per VCS Standard 3.16.5, where measurement and monitoring equipment is used, the project proponent shall ensure the equipment is calibrated according to the equipment's specifications and/or relevant

	national or international standards. FCW staff and contractors will be responsible for taking measurement.
Frequency of monitoring/ recording	At least prior to baseline reassessment
Value applied	See Annex M
Monitoring equipment	Logger tape or laser
QA/QC procedures to be applied	**Stage** / **QA/QC Step** Inventory / Field instruments were calibrated before and will be throughout the inventory to ensure the collection of the most accurate and precise data. Inventory / Project proponent ensures that foresters follow behind forestry technicians checking their measurements on a sample of plots until they are sure proper techniques are being used and the quality of measurements suffices Data Checks / Inventory data are sent to project proponent and reviewed for data accuracy. Feedback is given to the project proponent's forester regarding this data. The data is entered into the treelist workbook. This data is backed up on project proponent's servers Data Checks / Data is compiled to ensure that all allocated plots have been visited and measurements have been taken.
Purpose of data	Calculation of project emissions
Calculation method	Measured
Comments	

Data/ Parameter	N
Data unit	Dimensionless
Description	Total number of wood pieces intersecting the transect
Source of data	Field measurements in sample transects

<table>
<tr><td>Description of measurement methods and procedures to be applied</td><td>Project proponent was responsible for performing measurement. Monitoring and measuring were performed by project proponent. Measurement methods and procedures shall follow guidelines by Harmon & Sexton 1996 (Annex M). Per VCS Standard 3.16.5, where measurement and monitoring equipment is used, the project proponent shall ensure the equipment is calibrated according to the equipment’s specifications and/or relevant national or international standards. FCW staff and contractors are responsible for taking measurement.</td></tr>
<tr><td>Frequency of monitoring/ recording</td><td>At least prior to baseline reassessment</td></tr>
<tr><td>Value applied</td><td>Specific to each transect measured</td></tr>
<tr><td>Monitoring equipment</td><td>Go-no-go Fuel Sizing Gauge</td></tr>
<tr><td>QA/QC procedures to be applied</td><td><table>
<tr><th>Stage</th><th>QA/QC Step</th></tr>
<tr><td>Inventory</td><td>Field instruments were calibrated before and will be throughout the inventory process to ensure the collection of the most accurate and precise data.</td></tr>
<tr><td>Inventory</td><td>Project proponent ensures that foresters follow behind forestry technicians checking their measurements on a sample of plots until they are sure proper techniques are being used and the quality of measurements suffices</td></tr>
<tr><td>Data Checks</td><td>Inventory data are sent to project proponent and reviewed for data accuracy. Feedback is given to the project proponent’s forester regarding this data. The data is entered into the treelist workbook. This data is backed up on project proponent’s servers</td></tr>
<tr><td>Data Checks</td><td>Data is compiled to ensure that all allocated plots have been visited and measurements have been taken.</td></tr>
</table></td></tr>
<tr><td>Purpose of data</td><td>Calculation of project emissions</td></tr>
<tr><td>Calculation method</td><td>See Annex M.</td></tr>
<tr><td>Comments</td><td></td></tr>
</table>

Data/ Parameter	PMP_i
Data unit	%
Description	Merchantable biomass as a proportion of total above ground tree biomass for measurement stratum i within the project boundaries
Source of data	Inventory data
Description of measurement methods and procedures to be applied	Calculate merchantable biomass and total above ground biomass following VM0003 Methodology v1.3 Section 9.1. Project proponent is responsible for monitoring and measurement. FCW staff and contractors will be responsible for taking measurement.
Frequency of monitoring/ recording	At least prior to baseline reassessment
Value applied	

Measurement stratum	PMP,i
100701	33%
100702	30%
100703	0%
101101	4%
101102	0%
101103	0%
101104	26%
101201	32%
101202	36%
101203	34%
101401	34%
101402	31%
101403	34%
102301	26%
102302	38%
102303	33%
102401	48%
102402	44%
102501	26%

	102502	23%	
	102601	22%	
	102602	27%	
	102603	49%	
	102701	41%	
	102702	0%	
	102801	36%	
	102802	31%	
	102901	29%	
	102902	37%	
	103001	23%	
	103002	34%	
	103101	34%	
	103102	28%	
	103201	63%	
	103202	54%	
	103203	58%	
	103301	30%	
	103302	24%	
	103401	32%	
	103402	30%	
	103501	29%	
	103502	22%	
	103601	23%	
	103701	34%	
	103702	31%	
	103801	31%	
	103802	32%	
	103901	46%	
	103902	45%	
	104001	29%	
	104101	23%	
	104201	24%	
	104202	0%	
	104301	26%	
	104302	65%	
	104303	68%	
	104401	12%	

	104402	26%	
	104601	33%	
	104701	37%	
	104801	11%	
	104802	30%	
	104803	16%	
	104901	16%	
	104902	11%	
	104903	27%	
	104904	19%	
	105001	20%	
	105002	11%	
	105101	41%	
	105102	32%	
	105201	29%	
	105202	32%	
	105301	27%	
	105302	34%	
	105401	28%	
	105402	20%	
	105501	46%	
	105601	37%	
	105602	30%	
	105603	25%	
	105701	25%	
	105702	27%	
	105801	29%	
	105802	29%	
	105803	48%	
	105901	54%	
	106001	30%	
	106101	26%	
	106102	22%	
	106103	34%	
	106201	30%	
	106202	34%	
	106301	49%	
	106302	29%	

	106401	31%
	106501	24%
	106502	31%
	106601	22%
	106602	28%
	106701	61%
	106702	28%
	106801	71%
	106802	70%
	106901	35%
	106902	29%
	106903	52%
	107001	32%
	107002	34%
	107101	56%
	107102	37%
	107103	55%
	107104	59%
	107401	32%
	107402	32%
	107403	23%
	107901	33%
	108001	32%
	108201	29%
	108202	27%
	108301	24%
	108302	31%
	108401	58%
	108402	31%
	108501	32%
	108601	33%
	108701	21%
	108702	30%
	108801	30%
	108901	33%
	108902	31%
	109001	27%
	109002	26%

109101	32%
109201	28%
109301	25%
109302	26%
109401	40%
109402	41%
109501	32%
109701	32%
109702	32%
109901	29%
109902	32%
109903	24%
109904	20%
110001	32%
110002	31%
110003	31%
110101	18%
110102	5%
110201	23%
110202	29%
110301	30%
110302	0%
110303	34%
110401	32%
110402	34%
110501	54%
110502	55%
110503	39%
110504	48%
110701	0%
110702	0%
110801	51%
110802	61%
110803	34%
110901	34%
111001	27%
111101	31%
111102	30%

	111201	25%
	111202	42%
	111301	32%
	111401	23%
	111402	25%
	111403	30%
	111501	27%
	111502	24%
	111601	24%
	111602	35%
	111701	34%
	111702	36%
	111801	31%
	111802	0%
	111803	32%
	111901	18%
	112001	35%
	112002	33%
	112101	31%
	112102	34%
	112201	34%
	112202	48%
	112301	53%
	112302	22%
	112401	31%
	112402	35%
	112501	32%
	112601	29%
	113301	32%
	113401	30%
	113701	33%
	113702	28%
	113801	0%
	113901	0%
	113902	15%
	114101	32%
	114102	36%
	114103	37%
	114201	32%

	114202	38%
	114301	28%
	114302	36%
	114303	30%
	114401	16%
	114402	33%
	114403	0%
	114404	0%
	114405	0%
	114406	0%
	114601	27%
	114701	33%
	114702	22%
	115801	63%
	115802	54%
	115803	55%
	115901	35%
	115902	31%
	116001	32%
	116002	28%
	116101	28%
	116201	33%
	116202	29%
	116301	28%
	116302	0%
	116303	35%
	116401	31%
	116402	59%
	116403	51%
	116601	24%
	116602	27%
	116701	27%
	116702	28%
	116801	33%
	116802	25%
	116901	23%
	116902	0%
	117001	31%
	117101	41%

	117102	50%
	117103	49%
	117104	40%
	117201	32%
	117202	31%
	117401	37%
	117402	33%
	117501	51%
	117502	33%
	117901	34%
	117902	33%
	118101	34%
	118102	31%
	118103	36%
	118104	29%
	118201	34%
	118202	56%
	118203	37%
	118301	0%
	118302	3%
	118401	17%
	118402	33%
	118403	28%
	118501	34%
	118502	35%
	118601	33%
	118602	32%
	118701	34%
	118702	37%
	118703	34%
	118704	33%
	118801	33%
	118802	32%
	118803	31%
	118901	30%
	118902	30%
	119001	27%
	119002	20%
	119101	23%

	119201	32%
	119202	23%
	119401	33%
	119402	34%
	119403	21%
	119501	30%
	119502	28%
	119601	28%
	119602	33%
	119701	34%
	119702	36%
	119703	32%
	120001	34%
	120002	24%
	120101	29%
	120102	27%
	120201	56%
	120301	30%
	120302	24%
	120401	28%
	120402	31%
	120501	33%
	120502	36%
	120601	25%
	120602	25%
	120801	25%
	120901	34%
	121201	35%
	121301	35%
	121302	30%
	121401	32%
	121601	33%
	121701	34%
	121702	26%
	121703	34%
	121704	20%
	121705	35%
	121801	34%
	121802	30%

121803	27%
121804	28%
121901	31%
121902	29%
122001	35%
122101	25%
123901	34%
124901	25%
124902	23%
125201	39%
125202	33%
125203	36%
125601	30%
125602	21%
125801	29%
125802	30%
126101	33%
126102	32%
126201	3%
126202	32%
126203	34%
126204	33%
126205	23%
126601	35%
126602	35%
126701	37%
127701	33%
127702	32%
129301	27%

PMP_i was calculated by dividing merchantable biomass (total gross biomass of a tree 12.7 cm (5 in) DBH or larger from a 30.48 cm (1 ft) stump to either the minimum of 10.16 cm (4 in) top DOB of the central stem or the highest merchantable height of the central stem. Trees were not considered merchantable if they were not a species that is commercially harvested in the region or have bole forms that would prevent efficient milling of wood products from taking place) by total biomass in the project area.

Monitoring equipment	N/A
QA/QC procedures to be applied	Calculations are double checked for accuracy.
Purpose of data	Calculation of market effects leakage
Calculation method	Divide merchantable biomass by the total above ground biomass
Comments	Annex W The initial project activity instance was validated with incorrect ex-ante PMP,i values, as such the values listed above differ from the project description. Ex-post values listed above were used in calculating carbon emissions this monitoring period.

Data/ Parameter	URS
Data unit	tCO2e
Description	Uncredited Reserve Stock
Source of data	Inventory data
Description of measurement methods and procedures to be applied	Nine percent (9%) of initial carbon stock per VM0003 Methodology v1.3 Section 9.1. Project proponent is responsible for monitoring and measurement.
Frequency of monitoring/ recording	Upon the addition of each new PAI to the grouped project
Monitoring equipment	N/A
QA/QC procedures to be applied	Calculations are double checked for accuracy.
Purpose of data	Account for emissions from limited harvesting to promote forest health according to the policies of Forest Carbon Works, such as continuous thinning, group selection, or patch cuts (IFM 1).
Calculation method	9% of total carbon stock in living and standing dead trees

Comments	See Annex W

Data/ Parameter	T
Data unit	year
Description	Number of years between monitoring period time *t2* and *t1* (*T = t2 – t1*)
Source of data	Monitoring reports
Description of measurement methods and procedures to be applied	Calculated by subtracting the monitoring period start year t1 from the current monitoring period year t2. Monitoring and measuring performed by project proponent.
Frequency of monitoring/ recording	Each reporting period
Value applied	Specific to each monitoring period
Monitoring equipment	Calendar
QA/QC procedures to be applied	Calculations are double checked for accuracy
Purpose of data	Calculation of project emissions
Calculation method	T = t2 – t1
Comments	

4.3 Monitoring Plan

The objective of the monitoring plan is to provide an overview of the procedures and timing planned for the collection, organization, and processing of relevant data and parameters listed in Section 4.2.

Field data collection was conducted using a smartphone application named Oxylus and data was processed by using a desktop computer program called Nephos. Information on the use of these technologies, including the calibration of equipment and internal auditing, is provided in Annex L. Field data collection methods are informed by the United States Forest Service's Forest Inventory Analysis (FIA) program, also available in Annex L. No non-conformities were identified during quality control procedures.

Fixed-area sample plots were assigned within each instance, with the location randomly allocated. The targeted precision level for biomass estimation across the project is +/- 10% of the mean at a 90% confidence level. Currently, the project is within +/- 6.6% of the mean at a 90% confidence level. The initial sampling intensity was determined based on ex-ante estimations input to the "Calculation of the number of sample plots for measurements within A/R CDM project activities Version: 02.1.0" tool (Annex AP). Depending on forest characteristics, plots may have a radius between 3.6 meters |1/247.1 ha (11.8 feet | 1/100 ac) and 5.1 meters | 1/123.6 ha (16.7 feet | 1/50 ac).

When determining whether a tree is within a plot, the distance from the plot center to the center (pith) of the tree at breast height was measured. Note that trees that are partially within the plot radius but do not have their centers within this radius were not included. Measurements of plot radius were taken horizontally.

The following data was gathered for each living and dead tree greater than or equal to 12.7 cm (5 in) in diameter that falls within a given plot radius:

- Species
- Distance from plot center (m)
- Azimuth from plot center (degrees)
- Tree status – living or dead. If dead, the decay class will be designated
- Total height (m)
- Merchantable height, if applicable (m)
- Height to dead or broken top, if present (m)
- Diameter at breast height (cm)
- Missing biomass (%)

Each allocated plot was located in the field using a GPS device and a chance device. Once located as precisely as possible, the field cruiser closed their eyes, spun around, and randomly threw a hat or object over their shoulder as the chance device; the object's landing point was then taken as the center of the plot for measurement. Plot border-line trees were determined post process using the horizontal distance to the face of each tree, DBH measurements, and notes from the cruiser. If necessary, plots were revisited in order to confirm determinations of in or out trees. Azimuth including declination was recorded for all trees.

If a plot landed along a distinct edge, no steps were carried out by the field cruiser other than to make note that the plot landed along a distinct edge and complete the plot as normal. With the GPS location, the distance and azimuth of each tree in the plot, as well as additional records of trees both on and off the plot, the plot layout was reconstructed using photogrammetry, and the mirage method was applied post inventory process if necessary.

Non-stocked plots were not treated differently from stocked plots. The Project Area was not revised as a result of non-stocked plots; non-stocked plots simply made no contribution to carbon stock estimates, though they were still included in the inventory.

In addition to tree attribute data collected during the inventory, the lying dead wood pool was monitored using the Harmon and Sexton 1996 method, Annex M, as described in the VM0003 Methodology.

Following VM0003 Section 9.3, where PAIs are not homogeneous, each PAI project area shall be stratified into homogeneous units to increase measurement precision of carbon stock, as defined in Section 5. The creation of measurement strata shall always be completed ex-ante using aerial imagery datasets and, where available. Both the baseline and project scenarios use the same measurement stratification. There are currently 390 measurement strata in the project.

Where measurement stratification was implemented, the stratified sampling frame was independent of observed plot data. For the purpose of the estimation of carbon stocks, the number of strata and strata boundaries is irrelevant so as long as every sample unit is assigned to a stratum. To reduce sample size and improve the precision of the carbon stock estimate for a given sample size, the sampling frame was stratified into regions of homogenous carbon stocks. Forest type was interpreted from stand typing as an indicator of regions of homogenous carbon stocks.

Per VM0003 8.1, the project activity instances were stratified prior to measurement, as stated in Sections 5, 5.1 and 5.2. Both the baseline and project scenarios used the same measurement stratification boundaries.

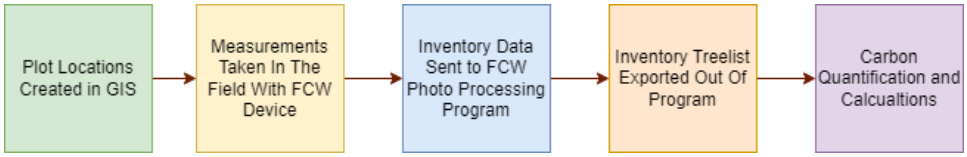
Per VM0003 9.3, ex- post stratification was necessary in two instances, due to the occurrence of harvest within the monitoring period in PAI 1032 and 1144. These instances were stratified further, post-harvest, into homogeneous units resulting in the addition of strata 103203 and 114403, 114404, 114405, 114406.

No non-conformances with the validated monitoring plan exist at the time of verification. The project proponent shall justify any future non-conformances of the plan as a project description deviation according to the requirements of Section 3.19 of the VCS Standard. There are no project description deviations this monitoring period.

Per the VCS Standard, monitoring periods shall be distinct time periods without overlap (3.5.6) and no gaps will exist between monitoring periods (3.5.7). Overlapping and/or temporal gaps in the monitoring periods for each project activity instance are avoided through the use of an internal, digital tracking system. Start dates for each instance, along with monitoring period start and end dates are recorded and saved. As each project activity instance will have multiple monitoring periods, and new activity instances will be continuously added to the project, having all dates recorded ensures that monitoring periods are distinct time periods that do not overlap with previous monitoring periods and that there will not be gaps between monitoring periods.

Forest Carbon Works will continue managing the project throughout the project lifetime, including the ongoing monitoring, reporting, and verification of underlying data and parameters that contribute to the

quantification of project greenhouse gas emission reductions and removals through the life of the project's crediting period. Forest Carbon Works will oversee inventory updates, data collection and processing, to ensure continued project reporting and monitoring activities. All data will be saved to secure cloud-based servers regularly. Data collected as part of the monitoring activities shall be maintained for at least 2 years following the end of the project. A line diagram showing the flow of data is provided below:



The project proponent, Forest Carbon Works, is a project developer with expertise in the technical aspects of carbon offset project design, planning, and development with a focus on forest biometrics, carbon accounting methodologies, and remote sensing. Key personnel have extensive experience validating and verifying projects under the Verified Carbon Standard (VCS), California Air Resources Board (ARB), Climate Action Reserve (CAR) Standard, Gold Standard and Climate Community & Biodiversity (CCB) Standard. Key personnel are Verra-approved experts in IFM.

In terms of organization structure, the project proponent is divided into a project development team and a field team. The project development team is responsible for all quantification, modeling, and documentation associated with the project, while the field team is responsible for the forest inventory and any related field work. The field team is led by regional foresters who have extensive experience practicing forestry in their respective regions. Regional foresters will lead all on-the-ground monitoring activities that will take place during the lifetime of the project, including data collection and inventory management. Additional site visits outside of initial data collection may occur at both verification and project crediting period validation.

The project proponent was and will continue to be responsible for all oversight and accountability of monitoring activities throughout the life of the project. If contractors are used for collecting inventory data, they will be trained and supervised directly by project proponent staff.

QAQC procedures were carried out on all recorded measurements throughout the inventory process by the project proponent. All measurements were reviewed for completeness, thoroughness, and accuracy by the project proponent during and after the inventory cruise. Evaluation of tree measurements was performed using photogrammetry on image data collected in the field. During the review and processing of collected inventory data, inconsistent, seemingly erroneous, and/or otherwise insufficient data were investigated using photogrammetric methods, and, when necessary, the project proponent further consulted the forest technician. Where necessary, the forest technician revisited plots and updated inventory data.

Inventory data was checked using the following QAQC procedures:

- Assessment of unusual DBH measurements
- Assessment of unusual height measurements

- Ensuring that total height > live crown bottom height
- Ensuring that total height ≥ height to top kill in dead trees
- Ensuring phantom heights are used correctly for broken trees (both live and dead)
- Check DBH relative to height
- Check biomass defect to ensure no percentages over 100
- Check carbon calculations to ensure reasonable results
- Ensure all trees have proper species entries

Field instruments were calibrated before and throughout the inventory to ensure the collection of the most accurate and precise data.

PAI Number	Plot Count
1007	143
1011	12
1012	141
1014	50
1023	12
1024	37
1025	13
1026	15
1027	14
1028	12
1029	12
1030	12
1031	12
1032	15
1033	12
1034	12
1035	12
1036	12
1037	12
1038	12
1039	12
1040	12
1041	12
1042	12
1043	13
1044	12
1046	12
1047	12

1048	15
1049	12
1050	14
1051	12
1052	12
1053	12
1054	16
1055	12
1056	12
1057	12
1058	13
1059	38
1060	12
1061	11
1062	12
1063	10
1064	12
1065	12
1066	11
1067	12
1068	12
1069	12
1070	12
1071	30
1074	31
1079	12
1080	12
1082	12
1083	12
1084	40
1085	12
1086	12
1087	12
1088	12
1089	11
1090	12
1091	12
1092	12
1093	39
1094	12
1095	10
1097	12

1099	20
1100	12
1101	12
1102	12
1103	12
1104	11
1105	40
1107	40
1108	10
1109	12
1110	12
1111	12
1112	12
1113	12
1114	12
1115	12
1116	12
1117	12
1118	14
1119	12
1120	12
1121	12
1122	12
1123	11
1124	12
1125	5
1126	12
1133	12
1134	18
1137	12
1139	11
1141	39
1142	11
1143	12
1144	40
1146	12
1147	12
1158	12
1159	9
1160	12
1161	12
1162	12

1163	40
1164	39
1166	40
1167	12
1168	11
1169	11
1170	12
1171	16
1172	12
1174	12
1175	11
1178	12
1179	10
1181	16
1182	34
1183	12
1184	12
1185	12
1186	12
1187	12
1188	12
1189	12
1190	12
1191	5
1192	12
1194	11
1195	12
1196	12
1197	10
1200	12
1201	12
1202	12
1203	12
1204	12
1205	12
1206	12
1208	12
1209	12
1212	12
1213	11
1214	12
1216	12

1217	20
1218	18
1219	12
1220	12
1221	12
1239	12
1249	12
1252	12
1256	11
1258	12
1261	12
1262	20
1266	12
1267	11
1277	11
1293	12
Total	2,721

5 QUANTIFICATION OF GHG EMISSION REDUCTIONS AND REMOVALS

In adherence to VM0003 Sections 9.3 and 8.1, the project proponent has chosen to implement dual stratification within the project area. The initial form of stratification aligns with Section 9.3, aiming to enhance measurement precision by dividing the project area into relatively uniform units known as measurement strata. The subsequent form of stratification adheres to Section 8.1 of the methodology, incorporating "with further division where differences exist in site index, species and/or age class," while also recognizing distinctions in forest management systems. This second type of stratification is denoted as management strata. Both stratification approaches are employed for the purpose of estimating greenhouse gas emissions reductions and removals within the project.

5.0.1 Measurement Strata

In accordance with VM0003 9.3, the project area underwent initial ex-ante stratification to enhance the precision of carbon stock measurements in instances where the carbon stock is not uniformly distributed. The project proponent utilizes the National Agriculture Imagery Program (NAIP) along with other aerial imagery datasets to identify variations in forest structure and species composition, facilitating the sampling process. This initial step involves partitioning the project area into regions characterized by homogeneous forest types, thereby establishing measurement strata.

All references to variable *i* in the VM0003 equations refer to measurement strata, and all references to "stratum" or "strata" in all Annex documents refer to measurement strata. Measurement stratum IDs were created by appending a numerically assigned ascending value to the PAI ID.

Table 15 below lists each measurement strata and their respective areas in hectares.

Table 15: Measurement strata and respective area

Measurement Stratum ID	Area (hectares)
100701	16.6
100702	11.8
100703	1.3
101101	84.08
101102	41.56
101103	4.85
101104	8
101201	87.7
101202	92
101203	97.7
101401	634.2
101402	344
101403	123.9
102301	94.3
102302	12.5
102303	19.5
102401	3
102402	28
102501	3.3
102502	23.2
102601	15.4
102602	10.6
102603	7.9
102701	113.1
102702	29.1
102801	11.5
102802	25.1
102901	37.7
102902	15.1
103001	26.7

103002	4.3
103101	37
103102	7.1
103201	15.7
103202	6.3
103301	99.7
103302	18.8
103401	187.6
103402	63.2
103501	22.7
103502	14.4
103601	64.5
103701	15.8
103702	11.4
103801	62.8
103802	37.8
103901	24.9
103902	14.1
104001	100.1
104101	21.9
104201	52.2
104202	154.2
104301	3.2
104302	7.7
104303	5.4
104401	8.6
104402	29.2
104601	30.9
104701	46
104801	10.1
104802	3.5
104803	5.4
104901	27.8
104902	31.5
104903	17.3
104904	53.5
105001	34.9
105002	10.7

105101	10.5
105102	5.9
105201	24.5
105202	25.2
105301	7.9
105302	24.5
105401	12.9
105402	4.2
105501	31.5
105601	38.4
105602	59.4
105603	80.3
105701	168.6
105702	41
105801	21.5
105802	33
105803	26.1
105901	206.3
106001	40.26
106101	20.9
106102	18
106103	17.4
106201	34.4
106202	48.7
106301	44.7
106302	108.1
106401	54.8
106501	31.4
106502	8.8
106601	49
106602	37.5
106701	104.7
106702	24.2
106801	38.1
106802	35.1
106901	78.8
106902	14.6
106903	20

107001	69.3
107002	203.6
107101	7.6
107102	212.5
107103	57.9
107104	8.8
107401	128.5
107402	171.1
107403	31.9
107901	58.7
108001	30.1
108201	46.7
108202	2.4
108301	23.5
108302	17.5
108401	383.8
108402	80
108501	34.9
108601	22.3
108701	77.6
108702	59.8
108801	32.3
108901	14
108902	6.6
109001	27.2
109002	58.7
109101	232.2
109201	134
109301	354.7
109302	314.7
109401	17
109402	37.7
109501	121.7
109701	34.3
109702	41.4
109901	20.8
109902	29.9
109903	54.6

109904	22
110001	55.4
110002	13.9
110003	35.3
110101	44.5
110102	32.9
110201	17.8
110202	4
110301	16.1
110302	27.8
110303	19.9
110401	38.4
110402	4.8
110501	32.4
110502	104.8
110503	245.8
110504	44.9
110701	2000.7
110702	2379.8
110801	22.4
110802	40.5
110803	24.7
110901	39.6
111001	68.1
111101	208.9
111102	139
111201	33.5
111202	10.9
111301	132
111401	14.2
111402	9.9
111403	8.2
111501	30.9
111502	11.2
111601	35
111602	20.8
111701	31
111702	51.1

111801	200.8
111802	16.6
111803	38.6
111901	38.2
112001	135.1
112002	117.2
112101	28.3
112102	40.9
112201	38.1
112202	6.2
112301	100.9
112302	112.8
112401	4.9
112402	38.9
112501	8
112601	27.4
113301	66.0
113401	180.3
113701	14.87
113702	5.17
113801	81.2
113901	30
113902	192.7
114101	187.6
114102	464
114103	90
114201	11.7
114202	18.1
114301	5.5
114302	59.9
114303	30.1
114401	622.9
114402	50.7
114403	15.1
114404	4.7
114405	34.6
114406	4.9
114501	57.8

114502	135
114503	267.8
114504	90.7
114505	62
114601	90.9
114701	34.1
114702	11.5
115801	55.98
115802	14.76
115803	62.22
115901	54.8
115902	18.9
116001	90.3
116002	20.9
116101	99.6
116201	38.2
116202	20.8
116301	214.6
116302	1957
116303	1647.6
116401	114.7
116402	214.9
116403	333.1
116501	50.3
116502	81.4
116601	176.2
116602	391.5
116701	38.7
116702	18.9
116801	29.4
116802	89.7
116901	13.1
116902	9.7
117001	130
117101	54.9
117102	32.3
117103	21.7
117104	14.8

117201	69.4
117202	17
117401	11.62
117402	19
117501	155.7
117502	40.5
117901	32.7
117902	44.59
118101	23.6
118102	10.2
118103	32.8
118104	42.6
118201	46
118202	69
118203	18.5
118301	31.2
118302	16.8
118401	16.8
118402	13.5
118403	14.8
118501	37.7
118502	13.8
118601	25.1
118602	6.3
118701	6.89
118702	12.68
118703	41.64
118704	11.81
118801	80.7
118802	48.3
118803	25.6
118901	20.76
118902	10.89
119001	41.9
119002	43.3
119101	11.35
119201	64.2
119202	103.2

119401	17.26
119402	79.95
119403	22.39
119501	44.54
119502	9.79
119601	35.97
119602	48
119701	23.82
119702	8.43
119703	3.16
120001	35.85
120002	10.03
120101	19.88
120102	17.01
120201	24.08
120301	28.28
120302	34.67
120401	67.85
120402	57.86
120501	53.93
120502	17.9
120601	118.62
120602	208.33
120801	59
120901	22.95
121201	52.6
121301	37.31
121302	109.98
121401	104
121601	25.97
121701	99.02
121702	79.84
121703	35.77
121704	19.04
121705	7.48
121801	46.47
121802	11.47
121803	5.35

121804	5.9
121901	28
121902	17.6
122001	25.97
122101	58.98
123901	51.58
124901	54.93
124902	34.43
125201	114.37
125202	77.95
125203	25.01
125601	19.68
125602	8.58
125801	19.26
125802	3.43
126101	24.52
126102	13.47
126201	113.44
126202	69.94
126203	25.33
126204	10.53
126205	4.22
126601	14.32
126602	11.32
126701	48.93
127701	89.32
127702	17.39
129301	274.69

5.0.2 Management Strata

In accordance with the stipulations outlined in VM0003 Section 8.1, when measurement strata exhibit variations in site index, species, management system, or age class, these measurement strata undergo further subdivision into management strata. The objective of this additional delineation of management strata is to ensure that all areas subject to management activities within a given year or between monitoring events form complete and distinct management strata. The determination of management strata involves considering relevant factors such as site index, site species, and management practices, serving as the foundation for modeling both the baseline (as detailed in Section 3.4 of the Project Description) and project (as outlined in Section 1.11 of the Project Description) scenarios. Management

strata names are concatenated by appending a numerically assigned ascending stratum number and management regime number, respectively, to the PAI number. Harvest constraint codes utilized in this management stratification are provided in Annex B and defined also in Annex H.

For the purposes of emission reduction and removal accounting, following VM0003, calculations were carried out at the management strata level, then aggregated into the relevant measurement stratum, as detailed in Section 5.4 of the Project Description document.

All references to variable *i* in the VM0003 equations refer to measurement strata, and all references to "stratum" or "strata" in the Annex documents shall refer to measurement strata.

Table 16 describes each management stratum and associated parameters used to delineate each. The definitions of baseline management systems applied to each management stratum during FVS modeling are found in section 5.1. Project management systems are defined in the Project Description document as follows:

Project Management System	Description
IFM 1	No harvesting of the project area except when an intermediate treatment such as thinning, group selection, or patch cut is necessary to promote uneven-aged forest structure.
IFM 2	No harvesting

Dominant age class is the age of dominant trees in each management stratum. The management of dominant trees is the objective of the management systems in the baseline scenario. Each management stratum may contain trees younger than or older than the dominant age class. While the dominant age class may be less than the baseline rotation age for some management strata, all age classes present at project initiation are subject to harvest in the baseline scenario. Site index is identified by the project proponent using United States Department of Agriculture soils data to determine productivity of the site for accurate growth modeling, and site species is used as a proxy for forest type on the management stratum, also used for modeling purposes. Site species are selected

based on the primary species present in the inventory data. Management strata that do not legally allow harvesting in the baseline scenario are excluded from crediting, see Section 5.1 for Baseline Management System codes and 5.4 for crediting results.

Table 16. Management strata and differentiating parameters of each

Management Stratum	Measurement Stratum	Area (ha)	Site Species, Site Index	Species Composition	Age Class	Baseline Management System	Project Management System	Baseline Rotation Age	Project Rotation Age
10070 1004	100701	2.03	Douglas-fir, 139	See Annex W	120-140 years	SMZWOR	IFM 2	No harvesting*. See Annex B	No harvesting*
10070 1005	100701	14.6	Douglas-fir, 139	See Annex W	120-140 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
10070 2002	100702	7.04	Douglas-fir, 139	See Annex W	120-140 years	SMZWOR	IFM 2	No harvesting*. See Annex B	No harvesting*
10070 2006	100702	4.79	Douglas-fir, 139	See Annex W	120-140 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
10070 3001	100703	0.93	Douglas-fir, 139	See Annex W	0-10 years	WLTOR	IFM 1	50 years with intermittent thinning*. See Annex B	Infinity*
10070 3003	100703	0.42	Douglas-fir, 139	See Annex W	0-10 years	SMZWOR	IFM 2	No harvesting*. See Annex B	No harvesting*
10110 1001	101101	15.32	Douglas-fir, 115	See Annex W	50-60 years	SMZWOR	IFM 2	No harvesting*. See Annex B	No harvesting*
10110 1002	101101	68.76	Douglas-fir, 115	See Annex W	50-60 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
10110 2003	101102	12.71	Douglas-fir, 115	See Annex W	40-50 years	SMZWOR	IFM 2	No harvesting*. See Annex B	No harvesting*
10110 2004	101102	28.84	Douglas-fir, 115	See Annex W	40-50 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
10110 3005	101103	4.85	Douglas-fir, 115	See Annex W	100+ years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
10110 4006	101104	4.78	Douglas-fir, 115	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
10110 4007	101104	3.22	Douglas-fir, 115	See Annex W	30-40 years	SMZWOR	IFM 2	No harvesting*. See Annex B	No harvesting*
10120 1001	101201	87.72	Yellow-poplar, 90	See Annex W	90-100 years	WV-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity

10120 2002	101202	92.04	Yellow-poplar, 90	See Annex W	30-40 years	WV-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10120 3003	101203	97.79	Yellow-poplar, 90	See Annex W	50-60 years	WV-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10140 1001	101401	541.85	Chestnut oak, 60	See Annex W	80-90 years	VA-Unconstrained	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
10140 1006	101401	92.36	Chestnut oak, 60	See Annex W	80-90 years	SMZVA	IFM 1	Occasional entries every +/- 30 years. See Annex B	Infinity
10140 2002	101402	333.41	Chestnut oak, 60	See Annex W	80-90 years	VA-Unconstrained	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
10140 2005	101402	10.62	Chestnut oak, 60	See Annex W	80-90 years	SMZVA	IFM 1	Occasional entries every +/- 30 years. See Annex B	Infinity
10140 3003	101403	109.22	Chestnut oak, 60	See Annex W	60-70 years	VA-Unconstrained	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
10140 3006	101403	14.71	Chestnut oak, 60	See Annex W	60-70 years	SMZVA	IFM 1	Occasional entries every +/- 30 years. See Annex B	Infinity
10230 1005	102301	7.57	Paper birch, 60	See Annex W	40-60 years	SMZMN	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10230 1006	102301	86.75	Paper birch, 60	See Annex W	40-60 years	MN-Unconstrained	IFM 1	70 years with intermittent thinning. See Annex B	Infinity
10230 2003	102302	11.98	Paper birch, 60	See Annex W	40-50 years	MN-Unconstrained	IFM 1	70 years with intermittent thinning. See Annex B	Infinity
10230 2004	102302	0.54	Paper birch, 60	See Annex W	40-50 years	SMZMN	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10230 3001	102303	19.48	Paper birch, 60	See Annex W	20-30 years	MN-Unconstrained	IFM 1	70 years with intermittent thinning. See Annex B	Infinity

10230 3002	102303	0.04	Paper birch, 60	See Annex W	20-30 years	SMZMN	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10240 1001	102401	1.02	Douglas-fir, 73	See Annex W	150+ years	SMZCWWA	IFM 2	No harvesting*. See Annex B	No harvesting*
10240 1002	102401	0.8	Douglas-fir, 73	See Annex W	150+ years	WLTWWA	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
10240 1003	102401	1.15	Douglas-fir, 73	See Annex W	150+ years	SMZIWWA	IFM 1	Occasional entries every +/- 20 years. See Annex B	Infinity
10240 2004	102402	27.64	Douglas-fir, 73	See Annex W	150+ years	WLTWWA	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
10240 2005	102402	0.38	Douglas-fir, 73	See Annex W	150+ years	SMZIWWA	IFM 1	Occasional entries every +/- 20 years. See Annex B	Infinity
10250 1001	102501	3.26	Red oak, 66	See Annex W	0-10 years	MI-Unconstrained	IFM 1	80 years with intermittent thinning*. See Annex B	Infinity*
10250 2002	102502	22.04	Red oak, 66	See Annex W	60-70 years	MI-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10250 2003	102502	1.12	Red oak, 66	See Annex W	60-70 years	SMZMI	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10260 1001	102601	9.85	Balsam fir, 53	See Annex W	40-50 years	ME-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10260 1005	102601	5.54	Balsam fir, 53	See Annex W	40-50 years	SMZME	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
10260 2002	102602	10.47	Balsam fir, 53	See Annex W	30-40 years	SMZME	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
10260 2006	102602	0.17	Balsam fir, 53	See Annex W	30-40 years	ME-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10260 3003	102603	3.13	Balsam fir, 53	See Annex W	20-30 years	ME-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity

10260 3004	102603	4.72	Balsam fir, 53	See Annex W	20-30 years	SMZME	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
10270 1001	102701	113.07	Chestnut oak, 50	See Annex W	60-70 years	WV-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10270 2002	102702	29.07	Chestnut oak, 50	See Annex W	90-100 years	WV-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10280 1001	102801	0.37	Red pine, 60	See Annex W	70-80 years	SMZMN	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10280 1003	102801	11.1	Red pine, 60	See Annex W	70-80 years	MN-Unconstrained	IFM 1	70 years with intermittent thinning. See Annex B	Infinity
10280 2002	102802	0.71	Red pine, 60	See Annex W	70-80 years	SMZMN	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10280 2004	102802	24.35	Red pine, 60	See Annex W	70-80 years	MN-Unconstrained	IFM 1	70 years with intermittent thinning. See Annex B	Infinity
10290 1001	102901	5.37	Douglas-fir, 103	See Annex W	50-60 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10290 1003	102901	1.31	Douglas-fir, 103	See Annex W	50-60 years	SMZCA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10290 1004	102901	5.16	Douglas-fir, 103	See Annex W	50-60 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10290 1008	102901	6.24	Douglas-fir, 103	See Annex W	50-60 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10290 1009	102901	7.71	Douglas-fir, 103	See Annex W	50-60 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10290 1010	102901	2.68	Douglas-fir, 103	See Annex W	50-60 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity

10290 1011	102901	4.87	Douglas-fir, 103	See Annex W	50-60 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10290 1012	102901	4.35	Douglas-fir, 103	See Annex W	50-60 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10290 2002	102902	1.96	Douglas-fir, 103	See Annex W	40-50 years	SMZCA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10290 2005	102902	3.88	Douglas-fir, 103	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10290 2006	102902	4	Douglas-fir, 103	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10290 2007	102902	5.26	Douglas-fir, 103	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10300 1001	103001	26.67	Red pine, 60	See Annex W	80-90 years	MN-Unconstrained	IFM 1	70 years with intermittent thinning. See Annex B	Infinity
10300 2002	103002	4.35	Red pine, 60	See Annex W	40-50 years	MN-Unconstrained	IFM 1	70 years with intermittent thinning. See Annex B	Infinity
10310 1001	103101	37.02	Red oak, 65	See Annex W	40-50 years	WI-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10310 2002	103102	7.07	Red oak, 65	See Annex W	40-50 years	WI-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10320 1001	103201	15.71	red maple, 66	See Annex W	50-60 years	NONEMI	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10320 2002	103202	6.33	red maple, 66	See Annex W	40-50 years	NONEMI	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10330 1002	103301	49.68	Silver maple, 80	See Annex W	40-50 years	NY-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity

10330 1003	103301	40.9	Silver maple, 80	See Annex W	40-50 years	SMZ1NY	IFM 2	No harvesting*. See Annex B	No harvesting*
10330 1004	103301	9.13	Silver maple, 80	See Annex W	40-50 years	SMZ2NY	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10330 2001	103302	18.82	Silver maple, 80	See Annex W	60-70 years	NY-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10340 1002	103401	24.14	Ponderosa pine, 100	See Annex W	20-30 years	SMZCA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10340 1003	103401	5.91	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 1004	103401	2.39	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 1005	103401	7.44	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 1006	103401	7.34	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 1007	103401	5.37	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 1008	103401	2.28	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 1009	103401	4.24	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 1010	103401	4.49	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 1011	103401	6.05	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity

10340 1012	103401	5.07	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 1013	103401	7.61	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 1014	103401	6.45	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 1015	103401	6.32	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 1016	103401	2.77	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 1017	103401	6.19	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 1018	103401	6.96	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 1019	103401	3.39	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 1020	103401	6.01	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 1021	103401	3.17	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 1022	103401	5.67	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 1023	103401	5.27	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 1024	103401	7.75	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity

10340 1025	103401	3.35	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 1026	103401	4.8	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 1037	103401	4.35	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 1038	103401	5.07	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 1039	103401	4.99	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 1040	103401	5.38	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 1041	103401	4.71	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 1042	103401	6.27	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 1043	103401	6.4	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 2001	103402	20.97	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 2027	103402	2.67	Ponderosa pine, 100	See Annex W	20-30 years	SMZCA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10340 2028	103402	5.19	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 2029	103402	3.95	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity

10340 2030	103402	4.47	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 2031	103402	3.2	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 2032	103402	5.59	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 2033	103402	2.43	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 2034	103402	5.2	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 2035	103402	5.43	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10340 2036	103402	4.1	Ponderosa pine, 100	See Annex W	20-30 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10350 1001	103501	22.66	Eastern white pine, 75	See Annex W	40-50 years	VT-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10350 1003	103501	0.02	Eastern white pine, 75	See Annex W	40-50 years	SMZVT	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
10350 2002	103502	14.33	Eastern white pine, 75	See Annex W	70-80 years	VT-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10350 2004	103502	0.06	Eastern white pine, 75	See Annex W	70-80 years	SMZVT	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
10360 1001	103601	52.66	Douglas-fir, 71	See Annex W	100+ years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
10360 1002	103601	11.84	Douglas-fir, 71	See Annex W	100+ years	SMZWOR	IFM 2	No harvesting*. See Annex B	No harvesting*

10370 1001	103701	0.07	Eastern hemlock, 65	See Annex W	60-70 years	SMZ1NY	IFM 2	No harvesting*. See Annex B	No harvesting*
10370 1003	103701	15.61	Eastern hemlock, 65	See Annex W	60-70 years	NY-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10370 1005	103701	0.1	Eastern hemlock, 65	See Annex W	60-70 years	SMZ2NY	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10370 2002	103702	0.1	Eastern hemlock, 65	See Annex W	80-90 years	SMZ1NY	IFM 2	No harvesting*. See Annex B	No harvesting*
10370 2004	103702	0.62	Eastern hemlock, 65	See Annex W	80-90 years	SMZ2NY	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10370 2006	103702	10.64	Eastern hemlock, 65	See Annex W	80-90 years	NY-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10380 1001	103801	62.66	Red oak, 78	See Annex W	40-50 years	WV-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10380 2002	103802	37.73	Red oak, 78	See Annex W	50-60 years	WV-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10390 1001	103901	24.94	Red maple, 68	See Annex W	50-60 years	RI-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10390 2002	103902	14.09	Red maple, 68	See Annex W	50-60 years	RI-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10400 1001	104001	100.05	Yellow-poplar, 90	See Annex W	60-70 years	WV-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10410 1001	104101	21.85	White oak, 80	See Annex W	50-60 years	PA-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10420 1002	104201	6	Red oak, 70	See Annex W	40-50 years	SMZ2PA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity

10420 1005	104201	44.69	Red oak, 70	See Annex W	40-50 years	PA-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10420 1006	104201	1.48	Red oak, 70	See Annex W	40-50 years	SMZ1PA	IFM 2	No harvesting*. See Annex B	No harvesting*
10420 2001	104202	12.43	Red oak, 70	See Annex W	50-60 years	SMZ2PA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10420 2003	104202	139.08	Red oak, 70	See Annex W	50-60 years	PA-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10420 2004	104202	2.67	Red oak, 70	See Annex W	50-60 years	SMZ1PA	IFM 2	No harvesting*. See Annex B	No harvesting*
10430 1001	104301	3.24	Sugar maple, 58	See Annex W	30-40 years	ME-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10430 2002	104302	6.22	Sugar maple, 58	See Annex W	60-70 years	ME-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10430 2004	104302	1.51	Sugar maple, 58	See Annex W	60-70 years	SMZME	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
10430 3003	104303	3.91	Sugar maple, 58	See Annex W	70-80 years	SMZME	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
10430 3005	104303	1.54	Sugar maple, 58	See Annex W	70-80 years	ME-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10440 1001	104401	7.82	Red maple, 60	See Annex W	50-60 years	VT-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10440 1002	104401	0.8	Red maple, 60	See Annex W	50-60 years	SMZVT	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
10440 2003	104402	5.38	Red maple, 60	See Annex W	50-60 years	SMZVT	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity

10440 2004	104402	23.81	Red maple, 60	See Annex W	50-60 years	VT-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10460 1001	104601	30.92	Black oak, 80	See Annex W	40-50 years	WV-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10470 1001	104701	46	White oak, 67	See Annex W	60-70 years	WV-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10480 1001	104801	10.12	Yellow-poplar, 96	See Annex W	40-50 years	WV-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10480 2002	104802	3.46	Yellow-poplar, 96	See Annex W	50-60 years	WV-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10480 3003	104803	5.35	Yellow-poplar, 96	See Annex W	50-60 years	WV-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10490 1001	104901	27.84	black spruce, 22.5	See Annex W	100+ years	SMZME	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
10490 2003	104902	19.86	balsam fir, 47.3	See Annex W	30-40 years	NONEME	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10490 2004	104902	11.62	balsam fir, 47.3	See Annex W	30-40 years	SMZME	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
10490 3002	104903	17.28	tamarack, 48	See Annex W	70-80 years	SMZME	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
10490 4005	104904	25.82	balsam fir, 47.3	See Annex W	40-50 years	NONEME	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10490 4006	104904	27.68	balsam fir, 47.3	See Annex W	40-50 years	SMZME	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
10500 1001	105001	2.79	Sugar maple, 64	See Annex W	50-60 years	SMZ2NY	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity

10500 1002	105001	0.57	Sugar maple, 64	See Annex W	50-60 years	SMZ1NY	IFM 2	No harvesting*. See Annex B	No harvesting*
10500 1006	105001	31.58	Sugar maple, 64	See Annex W	50-60 years	NY-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10500 2003	105002	0.26	Sugar maple, 64	See Annex W	50-60 years	SMZ1NY	IFM 2	No harvesting*. See Annex B	No harvesting*
10500 2004	105002	1.15	Sugar maple, 64	See Annex W	50-60 years	SMZ2NY	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10500 2005	105002	9.29	Sugar maple, 64	See Annex W	50-60 years	NY-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10510 1003	105101	3.94	Loblolly pine, 92	See Annex W	40-50 years	SMZMS	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10510 1004	105101	6.54	Loblolly pine, 92	See Annex W	40-50 years	MS-Unconstrained	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
10510 2001	105102	0.28	Loblolly pine, 92	See Annex W	60-70 years	SMZMS	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10510 2002	105102	5.58	Loblolly pine, 92	See Annex W	60-70 years	MS-Unconstrained	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
10520 1001	105201	16.31	White spruce, 55	See Annex W	50-60 years	ME-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10520 1004	105201	8.24	White spruce, 55	See Annex W	50-60 years	SMZME	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
10520 2002	105202	15.7	White spruce, 55	See Annex W	100+ years	ME-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10520 2003	105202	9.5	White spruce, 55	See Annex W	100+ years	SMZME	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity

10530 1001	105301	7.9	Red oak, 71	See Annex W	50-60 years	PA-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10530 2002	105302	24.53	Red oak, 71	See Annex W	40-50 years	PA-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10540 1001	105401	12.85	Red maple, 59	See Annex W	60-70 years	WI-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10540 2002	105402	4.22	Red maple, 59	See Annex W	50-60 years	WI-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10550 1001	105501	0.51	Red oak, 72	See Annex W	60-70 years	SMZWI	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10550 1002	105501	31.01	Red oak, 72	See Annex W	60-70 years	WI-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10560 1001	105601	38.35	Red oak, 50	See Annex W	100+ years	NY-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10560 1007	105601	0.01	Red oak, 50	See Annex W	100+ years	SMZ2NY	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10560 2002	105602	0.24	Red oak, 50	See Annex W	100+ years	SMZ1NY	IFM 2	No harvesting*. See Annex B	No harvesting*
10560 2003	105602	58.15	Red oak, 50	See Annex W	100+ years	NY-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10560 2006	105602	0.97	Red oak, 50	See Annex W	100+ years	SMZ2NY	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10560 3004	105603	0.56	Red oak, 50	See Annex W	90-100 years	SMZ1NY	IFM 2	No harvesting*. See Annex B	No harvesting*
10560 3005	105603	2.27	Red oak, 50	See Annex W	90-100 years	SMZ2NY	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10560 3008	105603	77.48	Red oak, 50	See Annex W	90-100 years	NY-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity

10570 1003	105701	146.14	Chinkapin oak, 75	See Annex W	100+ years	KS-Unconstrained	IFM 1	60 years with intermittent thinning. See Annex B	Infinity
10570 1004	105701	22.43	Chinkapin oak, 75	See Annex W	100+ years	SMZKS	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
10570 2001	105702	37.61	Chinkapin oak, 75	See Annex W	20-25 years	KS-Unconstrained	IFM 1	60 years with intermittent thinning. See Annex B	Infinity
10570 2002	105702	3.44	Chinkapin oak, 75	See Annex W	20-25 years	SMZKS	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
10580 1001	105801	18.97	Red maple, 55	See Annex W	100+ years	VT-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10580 1002	105801	2.58	Red maple, 55	See Annex W	100+ years	SMZVT	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
10580 2003	105802	8.29	Red maple, 55	See Annex W	60-70 years	SMZVT	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
10580 2004	105802	24.76	Red maple, 55	See Annex W	60-70 years	VT-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10580 3005	105803	23.46	Red maple, 55	See Annex W	60-70 years	VT-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10580 3006	105803	2.64	Red maple, 55	See Annex W	60-70 years	SMZVT	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
10590 1001	105901	39.32	Douglas-fir, 110	See Annex W	100+ years	SMZCA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10590 1002	105901	3.63	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1003	105901	2.99	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1004	105901	3.01	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1005	105901	2.64	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity

10590 1006	105901	3.93	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1007	105901	3.46	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1008	105901	3.63	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1009	105901	2.47	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1010	105901	3.24	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1011	105901	3.51	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1012	105901	3.47	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1013	105901	2.91	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1014	105901	3.97	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1015	105901	3.54	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1016	105901	3.71	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1017	105901	3.92	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1018	105901	3.85	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1019	105901	3.1	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1020	105901	3.92	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1021	105901	2.35	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1022	105901	3.17	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1023	105901	3.27	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1024	105901	3.84	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity

10590 1025	105901	2.91	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1026	105901	4	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1027	105901	3.73	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1028	105901	3.35	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1029	105901	3.19	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1030	105901	2.66	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1031	105901	3.98	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1032	105901	3.43	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1033	105901	3.83	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1034	105901	4.04	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1035	105901	2.88	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1036	105901	3.18	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1037	105901	3.22	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1038	105901	2.49	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1039	105901	3.79	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1040	105901	3.84	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1041	105901	1.95	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1042	105901	2.6	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1043	105901	3.57	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity

10590 1044	105901	3.95	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1045	105901	3.46	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1046	105901	2.91	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1047	105901	2.78	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1048	105901	2.85	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1049	105901	2.78	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1050	105901	2.61	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1051	105901	2.88	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10590 1052	105901	2.64	Douglas-fir, 110	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10600 1001	106001	33.15	yellow-poplar, 92	See Annex W	70-80 years	NONEVA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
10600 1002	106001	7.12	yellow-poplar, 92	See Annex W	70-80 years	SMZVA	IFM 1	Occasional entries every +/- 30 years. See Annex B	Infinity
10610 1001	106101	20.52	Balsam fir, 52	See Annex W	60-70 years	WI-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10610 1002	106101	0.42	Balsam fir, 52	See Annex W	60-70 years	SMZWI	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10610 2003	106102	2.22	Balsam fir, 52	See Annex W	40-50 years	SMZWI	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10610 2005	106102	15.77	Balsam fir, 52	See Annex W	40-50 years	WI-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10610 3004	106103	16.8	Balsam fir, 52	See Annex W	40-50 years	WI-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity

10610 3006	106103	0.6	Balsam fir, 52	See Annex W	40-50 years	SMZWI	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10620 1002	106201	8.29	Yellow-poplar, 90	See Annex W	30-40 years	SMZ1PA	IFM 2	No harvesting*. See Annex B	No harvesting*
10620 1004	106201	10.28	Yellow-poplar, 90	See Annex W	30-40 years	SMZ2PA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10620 1005	106201	15.8	Yellow-poplar, 90	See Annex W	30-40 years	PA-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10620 2001	106202	48.65	Yellow-poplar, 90	See Annex W	70-80 years	PA-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10620 2003	106202	0.01	Yellow-poplar, 90	See Annex W	70-80 years	SMZ2PA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10630 1001	106301	3.97	Douglas-fir, 136	See Annex W	60-70 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10630 1002	106301	4.52	Douglas-fir, 136	See Annex W	60-70 years	SMZCA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10630 1011	106301	7.7	Douglas-fir, 136	See Annex W	60-70 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10630 1012	106301	6.49	Douglas-fir, 136	See Annex W	60-70 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10630 1013	106301	5.35	Douglas-fir, 136	See Annex W	60-70 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10630 1014	106301	7.44	Douglas-fir, 136	See Annex W	60-70 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10630 1015	106301	5.83	Douglas-fir, 136	See Annex W	60-70 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity

10630 1024	106301	3.41	Douglas-fir, 136	See Annex W	60-70 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10630 2003	106302	9.42	Douglas-fir, 136	See Annex W	40-50 years	SMZCA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10630 2004	106302	5.3	Douglas-fir, 136	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10630 2005	106302	5.75	Douglas-fir, 136	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10630 2006	106302	5.65	Douglas-fir, 136	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10630 2007	106302	6.3	Douglas-fir, 136	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10630 2008	106302	6.21	Douglas-fir, 136	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10630 2009	106302	4.41	Douglas-fir, 136	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10630 2010	106302	8.02	Douglas-fir, 136	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10630 2016	106302	7.64	Douglas-fir, 136	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10630 2017	106302	7.84	Douglas-fir, 136	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10630 2018	106302	5.47	Douglas-fir, 136	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10630 2019	106302	5.57	Douglas-fir, 136	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity

10630 2020	106302	7.16	Douglas-fir, 136	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10630 2021	106302	6.04	Douglas-fir, 136	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10630 2022	106302	5.08	Douglas-fir, 136	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10630 2023	106302	4.6	Douglas-fir, 136	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10630 2025	106302	3.92	Douglas-fir, 136	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10630 2026	106302	3.76	Douglas-fir, 136	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10640 1001	106401	19.76	Balsam fir, 48	See Annex W	50-60 years	SMZME	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
10640 1002	106401	35.03	Balsam fir, 48	See Annex W	50-60 years	ME-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10650 1001	106501	13.8	Douglas-fir, 123	See Annex W	100-110 years	SMZWOR	IFM 2	No harvesting*. See Annex B	No harvesting*
10650 1002	106501	17.61	Douglas-fir, 123	See Annex W	100-110 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
10650 2003	106502	0.83	Douglas-fir, 123	See Annex W	30-40 years	SMZWOR	IFM 2	No harvesting*. See Annex B	No harvesting*
10650 2004	106502	7.98	Douglas-fir, 123	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
10660 1002	106601	49.03	Balsam fir, 56	See Annex W	50-60 years	ME-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity

10660 2001	106602	37.55	Balsam fir, 56	See Annex W	40-50 years	ME-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10670 1001	106701	104.7	Sugar maple, 55	See Annex W	70-80 years	NY-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10670 2002	106702	24.24	Sugar maple, 55	See Annex W	50-60 years	NY-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10680 1001	106801	31.79	Red oak, 62	See Annex W	70-80 years	ME-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10680 1002	106801	6.27	Red oak, 62	See Annex W	70-80 years	SMZME	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
10680 2003	106802	31.66	Red oak, 62	See Annex W	80-90 years	ME-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10680 2004	106802	3.42	Red oak, 62	See Annex W	80-90 years	SMZME	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
10690 1002	106901	8.47	Red alder, 102	See Annex W	20-30 years	SMZIWWA	IFM 1	Occasional entries every +/- 20 years. See Annex B	Infinity
10690 1003	106901	67.89	Red alder, 102	See Annex W	20-30 years	WLTWWA	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
10690 1004	106901	2.45	Red alder, 102	See Annex W	20-30 years	SMZCWWA	IFM 2	No harvesting*. See Annex B	No harvesting*
10690 2007	106902	0.84	Red alder, 102	See Annex W	20-30 years	SMZIWWA	IFM 1	Occasional entries every +/- 20 years. See Annex B	Infinity
10690 2008	106902	13.77	Red alder, 102	See Annex W	20-30 years	WLTWWA	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
10690 3001	106903	6.54	Red alder, 102	See Annex W	20-30 years	SMZCWWA	IFM 2	No harvesting*. See Annex B	No harvesting*

10690 3005	106903	6.38	Red alder, 102	See Annex W	20-30 years	SMZIWWA	IFM 1	Occasional entries every +/- 20 years. See Annex B	Infinity
10690 3006	106903	7.1	Red alder, 102	See Annex W	20-30 years	WLTWWA	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
10700 1004	107001	52.64	Douglas-fir, 76	See Annex W	40-50 years	WLTEWA	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
10700 1005	107001	5.69	Douglas-fir, 76	See Annex W	40-50 years	SMZCEWA	IFM 2	No harvesting*. See Annex B	No harvesting*
10700 1006	107001	11	Douglas-fir, 76	See Annex W	40-50 years	SMZIEWA	IFM 1	Occasional entries every +/- 20 years. See Annex B	Infinity
10700 2001	107002	42.6	Douglas-fir, 76	See Annex W	50-60 years	SMZIEWA	IFM 1	Occasional entries every +/- 20 years. See Annex B	Infinity
10700 2002	107002	25.74	Douglas-fir, 76	See Annex W	50-60 years	SMZCEWA	IFM 2	No harvesting*. See Annex B	No harvesting*
10700 2003	107002	135.29	Douglas-fir, 76	See Annex W	50-60 years	WLTEWA	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
10710 1006	107101	2.27	American basswood, 63	See Annex W	70-80 years	SMZMI	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10710 1007	107101	5.32	American basswood, 63	See Annex W	70-80 years	NONEMI	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10710 2001	107102	24.96	white spruce, 39	See Annex W	150+ years	SMZMI	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10710 2005	107102	187.57	white spruce, 39	See Annex W	150+ years	NONEMI	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10710 3003	107103	54	paper birch, 60	See Annex W	60-70 years	NONEMI	IFM 1	80 years with intermittent thinning. See Annex B	Infinity

10710 3004	107103	3.88	paper birch, 60	See Annex W	60-70 years	SMZMI	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10710 4002	107104	8.79	red pine, 57	See Annex W	50-60 years	NONEMI	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10740 1002	107401	9.15	Yellow-poplar, 90	See Annex W	90-100 years	SMZVA	IFM 1	Occasional entries every +/- 30 years. See Annex B	Infinity
10740 1004	107401	119.3	Yellow-poplar, 90	See Annex W	90-100 years	VA-Unconstrained	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
10740 2001	107402	165.27	Yellow-poplar, 90	See Annex W	20-30 years	VA-Unconstrained	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
10740 2006	107402	5.8	Yellow-poplar, 90	See Annex W	20-30 years	SMZVA	IFM 1	Occasional entries every +/- 30 years. See Annex B	Infinity
10740 3003	107403	31.94	Yellow-poplar, 90	See Annex W	40-50 years	VA-Unconstrained	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
10740 3005	107403	0.01	Yellow-poplar, 90	See Annex W	40-50 years	SMZVA	IFM 1	Occasional entries every +/- 30 years. See Annex B	Infinity
10790 1001	107901	58.68	water oak, 92.5	See Annex W	60-70 years	NoneOH	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10800 1001	108001	0.03	Yellow-poplar, 85	See Annex W	90-100 years	SMZVA	IFM 1	Occasional entries every +/- 30 years. See Annex B	Infinity
10800 1002	108001	30.03	Yellow-poplar, 85	See Annex W	90-100 years	VA-Unconstrained	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
10820 1002	108201	0.07	American beech, 70	See Annex W	60-70 years	SMZ1PA	IFM 2	No harvesting*. See Annex B	No harvesting*
10820 1003	108201	0.29	American beech, 70	See Annex W	60-70 years	SMZ2PA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity

10820 1004	108201	46.37	American beech, 70	See Annex W	60-70 years	PA-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10820 2001	108202	2.37	American beech, 70	See Annex W	50-60 years	PA-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10830 1001	108301	22.73	American beech, 70	See Annex W	50-60 years	PA-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10830 1003	108301	0.26	American beech, 70	See Annex W	50-60 years	SMZ1PA	IFM 2	No harvesting*. See Annex B	No harvesting*
10830 1004	108301	0.53	American beech, 70	See Annex W	50-60 years	SMZ2PA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10830 2002	108302	17.26	American beech, 70	See Annex W	70-80 years	PA-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10830 2005	108302	0.29	American beech, 70	See Annex W	70-80 years	SMZ2PA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10840 1001	108401	5.27	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1002	108401	6.54	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1003	108401	4.7	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1004	108401	4.61	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1005	108401	5.74	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1006	108401	7.22	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1007	108401	6.01	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1008	108401	5.13	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1009	108401	7.87	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity

10840 1010	108401	7.62	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1011	108401	68.63	Blue oak, 47.7	See Annex W	100+ years	SMZCA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10840 1012	108401	3.79	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1013	108401	7.5	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1014	108401	7.94	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1015	108401	4.51	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1016	108401	5.23	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1017	108401	6.38	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1018	108401	6.94	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1019	108401	6.81	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1020	108401	6.06	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1021	108401	6.91	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1022	108401	7.01	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1023	108401	4.88	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1024	108401	4.62	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1025	108401	6.95	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1026	108401	7.75	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1027	108401	5.21	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1028	108401	5.35	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity

10840 1029	108401	5.94	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1030	108401	7.94	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1031	108401	6.54	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1033	108401	6.58	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1034	108401	6.06	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1035	108401	4.48	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1036	108401	7.01	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1037	108401	6.35	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1038	108401	6.44	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1039	108401	5.69	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1040	108401	7.51	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1041	108401	7.37	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1042	108401	5.83	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1043	108401	5.72	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1044	108401	5.96	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1045	108401	4.19	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1046	108401	4.31	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1047	108401	4.87	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1048	108401	5.02	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity

10840 1049	108401	7.44	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1050	108401	7.85	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1051	108401	6.44	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1052	108401	7.01	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 1064	108401	7.98	Blue oak, 47.7	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 2032	108402	12.33	Blue oak, 47.7	See Annex W	60-70 years	SMZCA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10840 2053	108402	5.36	Blue oak, 47.7	See Annex W	60-70 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 2054	108402	7.02	Blue oak, 47.7	See Annex W	60-70 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 2055	108402	5.87	Blue oak, 47.7	See Annex W	60-70 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 2056	108402	7.67	Blue oak, 47.7	See Annex W	60-70 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 2057	108402	3.3	Blue oak, 47.7	See Annex W	60-70 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 2058	108402	6.78	Blue oak, 47.7	See Annex W	60-70 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 2059	108402	7.75	Blue oak, 47.7	See Annex W	60-70 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 2060	108402	7.85	Blue oak, 47.7	See Annex W	60-70 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity

10840 2061	108402	5.71	Blue oak, 47.7	See Annex W	60-70 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 2062	108402	6.94	Blue oak, 47.7	See Annex W	60-70 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10840 2063	108402	3.45	Blue oak, 47.7	See Annex W	60-70 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10850 1001	108501	24.1	White oak, 55	See Annex W	90-100 years	WI-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10850 1002	108501	10.78	White oak, 55	See Annex W	90-100 years	SMZWI	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10860 1001	108601	22.25	White oak, 67	See Annex W	50-60 years	WV-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10870 1003	108701	57.98	Douglas-fir, 141.9	See Annex W	20-30 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
10870 1004	108701	19.59	Douglas-fir, 141.9	See Annex W	20-30 years	SMZWOR	IFM 2	No harvesting*. See Annex B	No harvesting*
10870 2001	108702	35.88	Douglas-fir, 141.9	See Annex W	40-50 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
10870 2002	108702	23.87	Douglas-fir, 141.9	See Annex W	40-50 years	SMZWOR	IFM 2	No harvesting*. See Annex B	No harvesting*
10880 1001	108801	32.29	Yellow-poplar, 90	See Annex W	80-90 years	WV-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10890 1002	108901	5.14	Northern white-cedar, 22.5	See Annex W	100+ years	SMZMI	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity

10890 1003	108901	8.86	Northern white-cedar, 22.5	See Annex W	100+ years	MI-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10890 2001	108902	6.55	Northern white-cedar, 22.5	See Annex W	100+ years	MI-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10900 1003	109001	4.62	Canyon live oak, 48	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10900 1004	109001	4.67	Canyon live oak, 48	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10900 1005	109001	2.12	Canyon live oak, 48	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10900 1006	109001	7.35	Canyon live oak, 48	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10900 1014	109001	2.28	Canyon live oak, 48	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10900 1015	109001	6.2	Canyon live oak, 48	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10900 2001	109002	2.65	Canyon live oak, 48	See Annex W	90-100 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10900 2002	109002	3.04	Canyon live oak, 48	See Annex W	90-100 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10900 2007	109002	1.78	Canyon live oak, 48	See Annex W	90-100 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10900 2008	109002	7.32	Canyon live oak, 48	See Annex W	90-100 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10900 2009	109002	5.57	Canyon live oak, 48	See Annex W	90-100 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10900 2010	109002	6.22	Canyon live oak, 48	See Annex W	90-100 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity

10900 2011	109002	6.98	Canyon live oak, 48	See Annex W	90-100 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10900 2012	109002	5.7	Canyon live oak, 48	See Annex W	90-100 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10900 2013	109002	7.68	Canyon live oak, 48	See Annex W	90-100 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10900 2016	109002	7.25	Canyon live oak, 48	See Annex W	90-100 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10900 2017	109002	4.53	Canyon live oak, 48	See Annex W	90-100 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
10910 1001	109101	205.33	yellow-poplar, 93.5	See Annex W	100+ years	NoneOH	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10910 1002	109101	26.9	yellow-poplar, 93.5	See Annex W	100+ years	SMZOH	IFM 1	Occasional entries every +/- 30 years. See Annex B	Infinity
10920 1001	109201	15.81	white oak, 72.9	See Annex W	50-60 years	SMZOH	IFM 1	Occasional entries every +/- 30 years. See Annex B	Infinity
10920 1002	109201	118.19	white oak, 72.9	See Annex W	50-60 years	NoneOH	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10930 1001	109301	334.61	yellow-poplar, 94	See Annex W	70-80 years	NoneOH	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10930 1003	109301	20.08	yellow-poplar, 94	See Annex W	70-80 years	SMZOH	IFM 1	Occasional entries every +/- 30 years. See Annex B	Infinity
10930 2002	109302	273.5	red maple, 76	See Annex W	40-50 years	NoneOH	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10930 2004	109302	41.19	red maple, 76	See Annex W	40-50 years	SMZOH	IFM 1	Occasional entries every +/- 30 years. See Annex B	Infinity

10940 1001	109401	16.99	Red oak, 74.5	See Annex W	50-60 years	WV-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10940 2002	109402	37.66	Red oak, 74.5	See Annex W	50-60 years	WV-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10950 1001	109501	10.26	Yellow-poplar, 93	See Annex W	80-90 years	SMZ1PA	IFM 2	No harvesting*. See Annex B	No harvesting*
10950 1002	109501	5.75	Yellow-poplar, 93	See Annex W	80-90 years	SMZ2PA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10950 1003	109501	105.68	Yellow-poplar, 93	See Annex W	80-90 years	PA-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10970 1001	109701	34.32	yellow-poplar, 93.75	See Annex W	30-40 years	NoneWV	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10970 2002	109702	41.4	chestnut oak, 76	See Annex W	40-50 years	NoneWV	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10990 1001	109901	20.36	red maple, 50	See Annex W	60-70 years	NONEPA	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10990 1003	109901	0.46	red maple, 50	See Annex W	60-70 years	SMZ2PA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10990 2004	109902	3.61	northern red oak, 66	See Annex W	60-70 years	SMZ1PA	IFM 2	No harvesting*. See Annex B	No harvesting*
10990 2006	109902	22.98	northern red oak, 66	See Annex W	60-70 years	NONEPA	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10990 2009	109902	3.29	northern red oak, 66	See Annex W	60-70 years	SMZ2PA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10990 3008	109903	0.57	chestnut oak, 60	See Annex W	60-70 years	SMZ2PA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity

10990 3010	109903	0.4	chestnut oak, 60	See Annex W	60-70 years	SMZ1PA	IFM 2	No harvesting*. See Annex B	No harvesting*
10990 3011	109903	53.62	chestnut oak, 60	See Annex W	60-70 years	NONEPA	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10990 4002	109904	18.17	red maple, 50	See Annex W	70-80 years	NONEPA	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
10990 4005	109904	2.17	red maple, 50	See Annex W	70-80 years	SMZ2PA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
10990 4007	109904	1.67	red maple, 50	See Annex W	70-80 years	SMZ1PA	IFM 2	No harvesting*. See Annex B	No harvesting*
11000 1004	110001	1.42	red maple, 75	See Annex W	60-70 years	SMZVA	IFM 1	Occasional entries every +/- 30 years. See Annex B	Infinity
11000 1005	110001	53.99	red maple, 75	See Annex W	60-70 years	NONEVA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11000 2001	110002	13.89	chestnut oak, 67	See Annex W	60-70 years	NONEVA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11000 3002	110003	30.56	chestnut oak, 67	See Annex W	50-60 years	NONEVA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11000 3003	110003	4.79	chestnut oak, 67	See Annex W	50-60 years	SMZVA	IFM 1	Occasional entries every +/- 30 years. See Annex B	Infinity
11010 1001	110101	37.28	northern red oak, 77.25	See Annex W	50-60 years	NoneNY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11010 1003	110101	5.3	northern red oak, 77.25	See Annex W	50-60 years	SMZ2NY	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11010 1005	110101	1.92	northern red oak, 77.25	See Annex W	50-60 years	SMZ1NY	IFM 2	No harvesting*. See Annex B	No harvesting*

11010 2002	110102	27.31	white ash, 81.71	See Annex W	40-50 years	NoneNY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11010 2004	110102	4.68	white ash, 81.71	See Annex W	40-50 years	SMZ2NY	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11010 2006	110102	0.91	white ash, 81.71	See Annex W	40-50 years	SMZ1NY	IFM 2	No harvesting*. See Annex B	No harvesting*
11020 1001	110201	13.53	white ash, 72.43	See Annex W	60-70 years	NoneNY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11020 1003	110201	1.05	white ash, 72.43	See Annex W	60-70 years	SMZ1NY	IFM 2	No harvesting*. See Annex B	No harvesting*
11020 1004	110201	3.24	white ash, 72.43	See Annex W	60-70 years	SMZ2NY	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11020 2002	110202	4	balsam fir, 72.43	See Annex W	10-20 years	NoneNY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11030 1001	110301	16.1	eastern redcedar, 67.6	See Annex W	50-60 years	NoneWV	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11030 2002	110302	27.82	American sycamore, 67.6	See Annex W	60-70 years	NoneWV	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11030 3003	110303	19.92	white oak, 67.6	See Annex W	20-30 years	NoneWV	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11040 1001	110401	38.43	chestnut oak, 68	See Annex W	40-50 years	NONEWV	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11040 2002	110402	4.78	northern red oak, 75	See Annex W	60-70 years	NONEWV	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11050 1001	110501	32.35	jack pine, 55	See Annex W	70-80 years	NONEMI	IFM 1	80 years with intermittent thinning. See Annex B	Infinity

11050 2002	110502	104.78	balsam fir, 49	See Annex W	40-50 years	NONEMI	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11050 3003	110503	245.78	balsam fir, 49	See Annex W	50-60 years	NONEMI	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11050 4004	110504	44.91	sugar maple, 62	See Annex W	60-70 years	NONEMI	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11070 1001	110701	41.91	Douglas-fir, 44	See Annex W	60-70 years	SMZMT	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11070 1002	110701	1958.76	Douglas-fir, 44	See Annex W	60-70 years	NoneMT	IFM 1	70 years with intermittent thinning. See Annex B	Infinity
11070 2003	110702	58.46	Douglas-fir, 44	See Annex W	60-70 years	SMZMT	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11070 2004	110702	2321.35	Douglas-fir, 44	See Annex W	60-70 years	NoneMT	IFM 1	70 years with intermittent thinning. See Annex B	Infinity
11080 1001	110801	22.37	quaking aspen, 60	See Annex W	50-60 years	NONEMN	IFM 1	70 years with intermittent thinning. See Annex B	Infinity
11080 2002	110802	40.5	green ash, 60	See Annex W	80-90 years	NONEMN	IFM 1	70 years with intermittent thinning. See Annex B	Infinity
11080 3003	110803	24.71	quaking aspen, 60	See Annex W	30-40 years	NONEMN	IFM 1	70 years with intermittent thinning. See Annex B	Infinity
11090 1001	110901	3.87	water oak, 83	See Annex W	30-40 years	SMZLA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11090 1002	110901	35.68	water oak, 83	See Annex W	30-40 years	NONELA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11100 1001	111001	59.68	loblolly pine, 85	See Annex W	50-60 years	NONEAL	IFM 1	30 years with intermittent thinning. See Annex B	Infinity

11100 1002	111001	8.37	loblolly pine, 85	See Annex W	50-60 years	SMZAL	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11110 1003	111101	206.82	sugar maple, 57	See Annex W	60-70 years	NONENH	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11110 1004	111101	2.03	sugar maple, 57	See Annex W	60-70 years	SMZNH	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11110 2001	111102	4.66	silver maple, 78	See Annex W	50-60 years	SMZNH	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11110 2002	111102	134.34	silver maple, 78	See Annex W	50-60 years	NONENH	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11120 1001	111201	33.48	sugar maple, 80	See Annex W	30-40 years	NONEWV	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11120 2002	111202	10.93	yellow-poplar, 90	See Annex W	50-60 years	NONEWV	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11130 1001	111301	109.11	white oak, 63	See Annex W	20-30 years	NonePA	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11130 1002	111301	22.9	white oak, 63	See Annex W	20-30 years	SMZNPEWA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11140 1001	111401	13.32	red maple, 65	See Annex W	50-60 years	NoneNY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11140 1003	111401	0.45	red maple, 65	See Annex W	50-60 years	SMZ2NY	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11140 1004	111401	0.47	red maple, 65	See Annex W	50-60 years	SMZ1NY	IFM 2	No harvesting*. See Annex B	No harvesting*
11140 2006	111402	0.76	eastern white pine, 59	See Annex W	100+ years	SMZ2NY	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity

11140 2008	111402	8.92	eastern white pine, 59	See Annex W	100+ years	NoneNY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11140 2009	111402	0.25	eastern white pine, 59	See Annex W	100+ years	SMZ1NY	IFM 2	No harvesting*. See Annex B	No harvesting*
11140 3002	111403	4.54	eastern white pine, 59	See Annex W	60-70 years	SMZ1NY	IFM 2	No harvesting*. See Annex B	No harvesting*
11140 3005	111403	1.92	eastern white pine, 59	See Annex W	60-70 years	SMZ2NY	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11140 3007	111403	1.69	eastern white pine, 59	See Annex W	60-70 years	NoneNY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11150 1003	111501	0.52	yellow-poplar, 97	See Annex W	20-30 years	SMZKY	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
11150 1004	111501	30.41	yellow-poplar, 97	See Annex W	20-30 years	NoneKY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11150 2001	111502	9.46	yellow-poplar, 97	See Annex W	90-100 years	NoneKY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11150 2002	111502	1.78	yellow-poplar, 97	See Annex W	90-100 years	SMZKY	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
11160 1001	111601	23.78	paper birch, 67	See Annex W	60-70 years	NONEME	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11160 1002	111601	11.22	paper birch, 67	See Annex W	60-70 years	SMZME	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
11160 2003	111602	3.63	red maple, 65	See Annex W	40-50 years	SMZME	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
11160 2004	111602	17.21	red maple, 65	See Annex W	40-50 years	NONEME	IFM 1	80 years with intermittent thinning. See Annex B	Infinity

11170 1001	111701	29.8	northern red oak, 76	See Annex W	50-60 years	NONEPA	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11170 1002	111701	0.24	northern red oak, 76	See Annex W	50-60 years	SMZ1PA	IFM 2	No harvesting*. See Annex B	No harvesting*
11170 1003	111701	0.97	northern red oak, 76	See Annex W	50-60 years	SMZ2PA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11170 2004	111702	3.55	northern red oak, 76	See Annex W	60-70 years	SMZ2PA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11170 2005	111702	44.06	northern red oak, 76	See Annex W	60-70 years	NONEPA	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11170 2006	111702	3.49	northern red oak, 76	See Annex W	60-70 years	SMZ1PA	IFM 2	No harvesting*. See Annex B	No harvesting*
11180 1001	111801	195.82	loblolly pine, 92	See Annex W	20-30 years	NONEVA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11180 1003	111801	5	loblolly pine, 92	See Annex W	20-30 years	SMZVA	IFM 1	Occasional entries every +/- 30 years. See Annex B	Infinity
11180 2004	111802	1.22	loblolly pine, 92	See Annex W	0-10 years	SMZVA	IFM 1	Occasional entries every +/- 30 years. See Annex B	Infinity
11180 2006	111802	15.4	loblolly pine, 92	See Annex W	0-10 years	NONEVA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11180 3002	111803	31.9	white oak, 85	See Annex W	40-50 years	NONEVA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11180 3005	111803	6.67	white oak, 85	See Annex W	40-50 years	SMZVA	IFM 1	Occasional entries every +/- 30 years. See Annex B	Infinity
11190 1001	111901	38.23	northern red oak, 75.56	See Annex W	40-50 years	NoneWV	IFM 1	80 years with intermittent thinning. See Annex B	Infinity

11200 1002	112001	129.1	loblolly pine, 82	See Annex W	40-50 years	NONEAL	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11200 1003	112001	6.01	loblolly pine, 82	See Annex W	40-50 years	SMZAL	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11200 2001	112002	111.37	loblolly pine, 82	See Annex W	20-30 years	NONEAL	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11200 2004	112002	5.83	loblolly pine, 82	See Annex W	20-30 years	SMZAL	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11210 1001	112101	28.25	chestnut oak, 50	See Annex W	70-80 years	NONENC	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11210 2002	112102	40.35	Virginia pine, 75	See Annex W	50-60 years	NONENC	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11210 2003	112102	0.54	Virginia pine, 75	See Annex W	50-60 years	SMZNC	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11220 1001	112201	38.08	Douglas-fir, 80	See Annex W	70-80 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11220 2002	112202	6.01	Douglas-fir, 80	See Annex W	40-50 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11220 2003	112202	0.22	Douglas-fir, 80	See Annex W	40-50 years	SMZWOR	IFM 2	No harvesting*. See Annex B	No harvesting*
11230 1001	112301	98.3	white oak, 73.5	See Annex W	70-80 years	NoneKY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11230 1002	112301	2.61	white oak, 73.5	See Annex W	70-80 years	SMZKY	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
11230 2003	112302	6.68	northern red oak, 83.5	See Annex W	50-60 years	SMZKY	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity

11230 2004	112302	106.08	northern red oak, 83.5	See Annex W	50-60 years	NoneKY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11240 1001	112401	4.17	Virginia pine, 60	See Annex W	80-90 years	CLCTMO	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11240 1002	112401	0.72	Virginia pine, 60	See Annex W	80-90 years	SMZMO	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11240 2003	112402	8.19	white oak, 60	See Annex W	60-70 years	SMZMO	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11240 2004	112402	13.95	white oak, 60	See Annex W	60-70 years	CLCTMO	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11240 2005	112402	9.27	white oak, 60	See Annex W	60-70 years	CLCTMO	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11240 2006	112402	7.51	white oak, 60	See Annex W	60-70 years	CLCTMO	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11250 1001	112501	5.76	balsam fir, 46.25	See Annex W	30-40 years	NoneME	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11250 1002	112501	2.22	balsam fir, 46.25	See Annex W	30-40 years	SMZME	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
11260 1001	112601	27.36	sugar maple, 55	See Annex W	70-80 years	NYAPA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11330 1001	113301	60.3	red maple, 71	See Annex W	50-60 years	NONENY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11330 1002	113301	1.13	red maple, 71	See Annex W	50-60 years	SMZ1NY	IFM 2	No harvesting*. See Annex B	No harvesting*
11330 1003	113301	4.54	red maple, 71	See Annex W	50-60 years	SMZ2NY	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity

11340 1001	113401	117.69	sweetgum, 94	See Annex W	50-60 years	NONEMS	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11340 1002	113401	62.57	sweetgum, 94	See Annex W	50-60 years	SMZMS	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11370 1001	113701	14.87	northern red oak, 72	See Annex W	70-80 years	NONEME	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11370 2002	113702	5.17	eastern white pine, 66	See Annex W	150+ years	NONEME	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11380 1001	113801	81.17	red pine, 60	See Annex W	130-140 years	NONEMN	IFM 1	70 years with intermittent thinning. See Annex B	Infinity
11390 1001	113901	1.37	Douglas-fir, 73	See Annex W	60-70 years	SMZEORI	IFM 2	No harvesting*. See Annex B	No harvesting*
11390 1002	113901	26.34	Douglas-fir, 73	See Annex W	60-70 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11390 1005	113901	2.27	Douglas-fir, 73	See Annex W	60-70 years	SMZEORO	IFM 2	No harvesting*. See Annex B	No harvesting*
11390 2003	113902	4.12	Ponderosa pine, 97	See Annex W	60-70 years	SMZEORI	IFM 2	No harvesting*. See Annex B	No harvesting*
11390 2004	113902	5.8	Ponderosa pine, 97	See Annex W	60-70 years	SMZEORO	IFM 2	No harvesting*. See Annex B	No harvesting*
11390 2006	113902	16.33	Ponderosa pine, 97	See Annex W	60-70 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11390 2007	113902	40.97	Ponderosa pine, 97	See Annex W	60-70 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11390 2008	113902	43.79	Ponderosa pine, 97	See Annex W	60-70 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity

11390 2009	113902	43.42	Ponderosa pine, 97	See Annex W	60-70 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11390 2010	113902	38.25	Ponderosa pine, 97	See Annex W	60-70 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11410 1001	114101	185.58	loblolly pine, 84	See Annex W	20-30 years	NONEGA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11410 1004	114101	2.07	loblolly pine, 84	See Annex W	20-30 years	SMZGA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11410 2003	114102	425.24	loblolly pine, 84	See Annex W	50-60 years	NONEGA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11410 2006	114102	38.73	loblolly pine, 84	See Annex W	50-60 years	SMZGA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11410 3002	114103	89.89	sweetgum, 90	See Annex W	20-30 years	NONEGA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11410 3005	114103	0.12	sweetgum, 90	See Annex W	20-30 years	SMZGA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11420 1001	114201	10.92	American sycamore, 82	See Annex W	10-20 years	NONEKY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11420 1002	114201	0.76	American sycamore, 82	See Annex W	10-20 years	SMZKY	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
11420 2003	114202	16.84	yellow-poplar, 93	See Annex W	90-100 years	NONEKY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11420 2004	114202	1.23	yellow-poplar, 93	See Annex W	90-100 years	SMZKY	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
11430 1001	114301	5.52	eastern redcedar, 43	See Annex W	40-50 years	NONEAL	IFM 1	30 years with intermittent thinning. See Annex B	Infinity

11430 2003	114302	58.1	eastern redcedar, 43	See Annex W	100+ years	NONEAL	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11430 2005	114302	1.8	eastern redcedar, 43	See Annex W	100+ years	SMZAL	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11430 3002	114303	3.13	water oak, 85	See Annex W	30-40 years	SMZAL	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11430 3004	114303	26.92	water oak, 85	See Annex W	30-40 years	NONEAL	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11440 1001	114401	61.79	white oak, 90	See Annex W	60-70 years	SMZAL	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11440 1002	114401	561.08	white oak, 90	See Annex W	60-70 years	NoneAL	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11440 2007	114402	50.07	loblolly pine, 94	See Annex W	30-40 years	NoneAL	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11440 2008	114402	0.63	loblolly pine, 94	See Annex W	30-40 years	SMZAL	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11440 3003	114403	1.68	white oak, 90	See Annex W	60-70 years	SMZAL	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11440 3004	114403	13.45	white oak, 90	See Annex W	60-70 years	NoneAL	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11440 4005	114404	4.67	white oak, 90	See Annex W	60-70 years	NoneAL	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11440 5006	114405	34.38	loblolly pine, 94	See Annex W	30-40 years	NoneAL	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11440 5009	114405	0.19	loblolly pine, 94	See Annex W	30-40 years	SMZAL	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity

11440 6010	114406	4.95	loblolly pine, 94	See Annex W	30-40 years	NoneAL	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11450 1009	114501	47.19	baldcypress, 65	See Annex W	80-90 years	NONEGA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11450 1010	114501	10.61	baldcypress, 65	See Annex W	80-90 years	SMZGA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11450 2002	114502	4.27	loblolly pine, 86	See Annex W	0-10 years	SMZGA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11450 2006	114502	130.73	loblolly pine, 86	See Annex W	0-10 years	NONEGA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11450 3001	114503	21.94	loblolly pine, 86	See Annex W	50-60 years	SMZGA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11450 3004	114503	245.87	loblolly pine, 86	See Annex W	50-60 years	NONEGA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11450 4003	114504	5.48	sweetgum, 90	See Annex W	10-20 years	SMZGA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11450 4005	114504	85.21	sweetgum, 90	See Annex W	10-20 years	NONEGA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11450 5007	114505	50.32	baldcypress, 65	See Annex W	80-90 years	NONEGA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11450 5008	114505	11.68	baldcypress, 65	See Annex W	80-90 years	SMZGA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11460 1001	114601	10.15	loblolly pine, 89	See Annex W	70-80 years	SMZMS	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11460 1002	114601	80.74	loblolly pine, 89	See Annex W	70-80 years	NONEMS	IFM 1	30 years with intermittent thinning. See Annex B	Infinity

11470 1001	114701	28.53	eastern white pine, 62	See Annex W	60-70 years	NONEME	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11470 1003	114701	5.55	eastern white pine, 62	See Annex W	60-70 years	SMZME	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
11470 2002	114702	11.52	northern red oak, 62	See Annex W	70-80 years	NONEME	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11580 1003	115801	53.72	northern red oak, 62	See Annex W	50-60 years	NONEMN	IFM 1	70 years with intermittent thinning. See Annex B	Infinity
11580 1004	115801	2.26	northern red oak, 62	See Annex W	50-60 years	SMZMN	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11580 2005	115802	11.94	eastern cottonwood cottonwood and poplar spp., 90	See Annex W	70-80 years	NONEMN	IFM 1	70 years with intermittent thinning. See Annex B	Infinity
11580 2006	115802	2.83	eastern cottonwood cottonwood and poplar spp., 90	See Annex W	70-80 years	SMZMN	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11580 3001	115803	60.19	eastern cottonwood cottonwood and poplar spp., 90	See Annex W	40-50 years	NONEMN	IFM 1	70 years with intermittent thinning. See Annex B	Infinity
11580 3002	115803	2.04	eastern cottonwood	See Annex W	40-50 years	SMZMN	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity

			cottonwood and poplar spp., 90						
11590 1001	115901	52.63	loblolly pine, 90	See Annex W	30-40 years	NONENC	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11590 1003	115901	2.15	loblolly pine, 90	See Annex W	30-40 years	SMZNC	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11590 2002	115902	18.89	loblolly pine, 90	See Annex W	30-40 years	NONENC	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11600 1002	116001	90.25	sugar maple, 90	See Annex W	30-40 years	NONEWV	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11600 2001	116002	20.89	sugar maple, 97	See Annex W	40-50 years	NONEWV	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11610 1001	116101	99.56	baldcypress, 100	See Annex W	40-50 years	NONEFL	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11620 1001	116201	38.18	yellow-poplar, 90	See Annex W	50-60 years	NONENC	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11620 2002	116202	16.91	yellow-poplar, 90	See Annex W	30-40 years	NONENC	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11620 2003	116202	3.93	yellow-poplar, 90	See Annex W	30-40 years	SMZNC	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11630 1004	116301	11.33	Douglas-fir, 75	See Annex W	60-70 years	SMZEORI	IFM 2	No harvesting*. See Annex B	No harvesting*
11630 1005	116301	10.03	Douglas-fir, 75	See Annex W	60-70 years	SMZEORO	IFM 2	No harvesting*. See Annex B	No harvesting*

11630 1045	116301	22.37	Douglas-fir, 75	See Annex W	60-70 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 1046	116301	48.31	Douglas-fir, 75	See Annex W	60-70 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 1047	116301	39.77	Douglas-fir, 75	See Annex W	60-70 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 1048	116301	26.44	Douglas-fir, 75	See Annex W	60-70 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 1049	116301	27.57	Douglas-fir, 75	See Annex W	60-70 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 1089	116301	28.83	Douglas-fir, 75	See Annex W	60-70 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2002	116302	51.73	Western juniper, 75	See Annex W	30-40 years	SMZEORO	IFM 2	No harvesting*. See Annex B	No harvesting*
11630 2003	116302	61.86	Western juniper, 75	See Annex W	30-40 years	SMZEORI	IFM 2	No harvesting*. See Annex B	No harvesting*
11630 2007	116302	42	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2008	116302	30.07	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2009	116302	35.3	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2010	116302	29.82	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2011	116302	43.46	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity

11630 2012	116302	28.77	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2013	116302	47.98	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2014	116302	43.34	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2015	116302	29.77	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2016	116302	40.88	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2017	116302	26.45	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2018	116302	33.69	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2019	116302	38.64	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2020	116302	47.85	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2021	116302	35.77	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2022	116302	39.29	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2023	116302	36.06	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2024	116302	43.04	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity

11630 2025	116302	32.5	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2026	116302	29.81	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2027	116302	39.8	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2028	116302	41.9	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2062	116302	48.25	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2063	116302	33.54	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2064	116302	40.8	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2065	116302	39.24	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2066	116302	30.79	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2067	116302	36.61	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2068	116302	29.13	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2069	116302	35.23	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2070	116302	27.26	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity

11630 2071	116302	29.37	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2072	116302	30.18	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2073	116302	29.43	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2074	116302	46.6	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2075	116302	36.59	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2076	116302	39.36	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2080	116302	37.4	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2081	116302	25.93	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2082	116302	35.23	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2083	116302	48.17	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2084	116302	27.6	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2094	116302	45.68	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2095	116302	48.47	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity

11630 2096	116302	46.56	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2097	116302	26.06	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2099	116302	25.58	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2101	116302	46.99	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2102	116302	47.6	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 2103	116302	33.55	Western juniper, 75	See Annex W	30-40 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3001	116303	31.74	Ponderosa pine, 75	See Annex W	120-130 years	SMZEORO	IFM 2	No harvesting*. See Annex B	No harvesting*
11630 3006	116303	45.64	Ponderosa pine, 75	See Annex W	120-130 years	SMZEORI	IFM 2	No harvesting*. See Annex B	No harvesting*
11630 3029	116303	28.97	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3030	116303	36.35	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3031	116303	33.1	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3032	116303	32.33	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3033	116303	33.9	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity

11630 3034	116303	46.53	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3035	116303	27.47	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3036	116303	47.37	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3037	116303	26.37	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3038	116303	36.87	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3039	116303	47.95	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3040	116303	45.42	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3041	116303	26.94	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3042	116303	36.34	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3043	116303	45.42	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3044	116303	33.91	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3050	116303	40.05	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3051	116303	42.17	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity

11630 3052	116303	45.26	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3053	116303	47.5	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3054	116303	43.62	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3055	116303	35.23	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3056	116303	42.4	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3057	116303	44.21	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3058	116303	44.91	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3059	116303	31.67	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3060	116303	46.17	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3061	116303	42.32	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3077	116303	44.04	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3078	116303	39.8	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3079	116303	25.97	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity

11630 3085	116303	27.31	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3086	116303	39.62	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3087	116303	29.04	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3088	116303	32.15	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3090	116303	28.34	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3091	116303	45.34	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3092	116303	36.82	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3093	116303	39.54	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3098	116303	27.92	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3100	116303	33.55	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11630 3104	116303	30	Ponderosa pine, 75	See Annex W	120-130 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11640 1001	116401	114.71	eastern white pine, 79	See Annex W	50-60 years	NONEWV	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11640 2002	116402	214.93	yellow-poplar, 92	See Annex W	70-80 years	NONEWV	IFM 1	80 years with intermittent thinning. See Annex B	Infinity

11640 3003	116403	333.08	American beech, 70	See Annex W	50-60 years	NONEWV	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11650 1001	116501	2.44	Douglas-fir, 110	See Annex W	50-60 years	SMZCA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11650 1003	116501	6.39	Douglas-fir, 110	See Annex W	50-60 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11650 1004	116501	7.21	Douglas-fir, 110	See Annex W	50-60 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11650 1005	116501	3.83	Douglas-fir, 110	See Annex W	50-60 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11650 1006	116501	6.06	Douglas-fir, 110	See Annex W	50-60 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11650 1007	116501	5.96	Douglas-fir, 110	See Annex W	50-60 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11650 1008	116501	6.17	Douglas-fir, 110	See Annex W	50-60 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11650 1021	116501	6.57	Douglas-fir, 110	See Annex W	50-60 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11650 1022	116501	5.66	Douglas-fir, 110	See Annex W	50-60 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11650 2002	116502	1.66	Douglas-fir, 110	See Annex W	40-50 years	SMZCA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11650 2009	116502	7.81	Douglas-fir, 110	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11650 2010	116502	7.65	Douglas-fir, 110	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity

11650 2011	116502	4.67	Douglas-fir, 110	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11650 2012	116502	4.01	Douglas-fir, 110	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11650 2013	116502	7.4	Douglas-fir, 110	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11650 2014	116502	8.01	Douglas-fir, 110	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11650 2015	116502	6.66	Douglas-fir, 110	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11650 2016	116502	8.07	Douglas-fir, 110	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11650 2017	116502	5.28	Douglas-fir, 110	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11650 2018	116502	6.44	Douglas-fir, 110	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11650 2019	116502	8.06	Douglas-fir, 110	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11650 2020	116502	5.69	Douglas-fir, 110	See Annex W	40-50 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11660 1001	116601	31.71	northern white-cedar, 57	See Annex W	50-60 years	SMZME	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
11660 1004	116601	144.49	northern white-cedar, 57	See Annex W	50-60 years	NONEME	IFM 1	80 years with intermittent thinning. See Annex B	Infinity

11660 2002	116602	49.14	red maple, 59	See Annex W	40-50 years	SMZME	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
11660 2003	116602	342.39	red maple, 59	See Annex W	40-50 years	NONEME	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11670 1002	116701	28.5	eastern white pine, 90	See Annex W	50-60 years	NONEPA	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11670 1004	116701	7.03	eastern white pine, 90	See Annex W	50-60 years	SMZ1PA	IFM 2	No harvesting*. See Annex B	No harvesting*
11670 1006	116701	3.16	eastern white pine, 90	See Annex W	50-60 years	SMZ2PA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11670 2001	116702	12.12	sugar maple, 80	See Annex W	20-30 years	NONEPA	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11670 2003	116702	3.97	sugar maple, 80	See Annex W	20-30 years	SMZ1PA	IFM 2	No harvesting*. See Annex B	No harvesting*
11670 2005	116702	2.85	sugar maple, 80	See Annex W	20-30 years	SMZ2PA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11680 1001	116801	29.44	chestnut oak, 52	See Annex W	100+ years	NONEWV	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11680 2002	116802	89.72	chestnut oak, 52	See Annex W	60-70 years	NONEWV	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11690 1001	116901	12.65	white oak, 75	See Annex W	40-50 years	NONEKY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11690 1002	116901	0.48	white oak, 75	See Annex W	40-50 years	SMZKY	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
11690 2003	116902	6.8	sugar maple, 75	See Annex W	40-50 years	NONEKY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity

11690 2004	116902	2.87	sugar maple, 75	See Annex W	40-50 years	SMZKY	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
11700 1001	117001	101.06	quaking aspen, 60	See Annex W	70-80 years	NONEWI	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11700 1002	117001	28.89	quaking aspen, 60	See Annex W	70-80 years	SMZWI	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11710 1001	117101	54.05	northern red oak, 60	See Annex W	70-80 years	NONEMN	IFM 1	70 years with intermittent thinning. See Annex B	Infinity
11710 1005	117101	0.89	northern red oak, 60	See Annex W	70-80 years	SMZMN	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11710 2002	117102	32.25	black ash, 60	See Annex W	30-40 years	NONEMN	IFM 1	70 years with intermittent thinning. See Annex B	Infinity
11710 3003	117103	18.12	black ash, 60	See Annex W	50-60 years	NONEMN	IFM 1	70 years with intermittent thinning. See Annex B	Infinity
11710 3006	117103	3.61	black ash, 60	See Annex W	50-60 years	SMZMN	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11710 4004	117104	14.84	black ash, 60	See Annex W	70-80 years	NONEMN	IFM 1	70 years with intermittent thinning. See Annex B	Infinity
11720 1001	117201	14.68	white oak, 58	See Annex W	70-80 years	CLCTMO	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11720 1002	117201	13.06	white oak, 58	See Annex W	70-80 years	CLCTMO	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11720 1004	117201	5.12	white oak, 58	See Annex W	70-80 years	SMZMO	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11720 1005	117201	7.5	white oak, 58	See Annex W	70-80 years	CLCTMO	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity

11720 1007	117201	15.23	white oak, 58	See Annex W	70-80 years	CLCTMO	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11720 1008	117201	13.81	white oak, 58	See Annex W	70-80 years	CLCTMO	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11720 2003	117202	2.07	white oak, 58	See Annex W	50-60 years	SMZMO	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11720 2006	117202	14.91	white oak, 58	See Annex W	50-60 years	CLCTMO	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11740 1001	117401	8.29	white oak chestnut oak, 75	See Annex W	60-70 years	NONETN	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11740 1002	117401	3.33	white oak chestnut oak, 75	See Annex W	60-70 years	SMZTN	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11740 2003	117402	14.26	white oak chestnut oak, 75	See Annex W	70-80 years	NONETN	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11740 2004	117402	4.74	white oak chestnut oak, 75	See Annex W	70-80 years	SMZTN	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11750 1003	117501	134.89	loblolly pine, 89	See Annex W	20-30 years	NONEAR	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11750 1004	117501	20.84	loblolly pine, 89	See Annex W	20-30 years	SMZAR	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11750 2001	117502	38.88	yellow-poplar, 89	See Annex W	0-10 years	NONEAR	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11750 2002	117502	1.61	yellow-poplar, 89	See Annex W	0-10 years	SMZAR	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11780 1001	117801	17.21	loblolly pine, 94	See Annex W	30-40 years	NONENC	IFM 1	30 years with intermittent thinning. See Annex B	Infinity

11780 1002	117801	0.53	loblolly pine, 94	See Annex W	30-40 years	SMZNC	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11790 1001	117901	31.83	northern red oak, 77	See Annex W	50-60 years	NONEKY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11790 1004	117901	0.86	northern red oak, 77	See Annex W	50-60 years	SMZKY	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
11790 2002	117902	2.44	northern red oak, 77	See Annex W	40-50 years	SMZKY	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
11790 2003	117902	42.15	northern red oak, 77	See Annex W	40-50 years	NONEKY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11810 1005	118101	18.92	loblolly pine, 86	See Annex W	40-50 years	NONETN	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11810 1006	118101	4.65	loblolly pine, 86	See Annex W	40-50 years	SMZTN	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11810 2001	118102	10.22	loblolly pine, 86	See Annex W	80-90 years	NONETN	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11810 3002	118103	6.92	loblolly pine, 86	See Annex W	20-30 years	SMZTN	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11810 3007	118103	25.84	loblolly pine, 86	See Annex W	20-30 years	NONETN	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11810 4003	118104	28.97	loblolly pine, 86	See Annex W	40-50 years	NONETN	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11810 4004	118104	13.61	loblolly pine, 86	See Annex W	40-50 years	SMZTN	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11820 1002	118201	30.73	Douglas-fir, 138	See Annex W	40-50 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity

11820 1004	118201	15.31	Douglas-fir, 138	See Annex W	40-50 years	SMZWOR	IFM 2	No harvesting*. See Annex B	No harvesting*
11820 2005	118202	44.26	Sitka spruce, 169	See Annex W	150+ years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11820 2006	118202	24.72	Sitka spruce, 169	See Annex W	150+ years	SMZWOR	IFM 2	No harvesting*. See Annex B	No harvesting*
11820 3001	118203	5.6	Sitka spruce, 138	See Annex W	0-10 years	SMZWOR	IFM 2	No harvesting*. See Annex B	No harvesting*
11820 3003	118203	12.86	Sitka spruce, 138	See Annex W	0-10 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11830 1003	118301	6.93	Douglas-fir, 119	See Annex W	40-50 years	SMZWOR	IFM 2	No harvesting*. See Annex B	No harvesting*
11830 1004	118301	24.26	Douglas-fir, 119	See Annex W	40-50 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11830 2001	118302	6.97	Douglas-fir, 119	See Annex W	50-60 years	SMZWOR	IFM 2	No harvesting*. See Annex B	No harvesting*
11830 2002	118302	9.84	Douglas-fir, 119	See Annex W	50-60 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
11840 1001	118401	16.83	loblolly pine, 87	See Annex W	10-20 years	NONEGA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11840 2002	118402	13.53	loblolly pine, 87	See Annex W	30-40 years	NONEGA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11840 3003	118403	14.75	loblolly pine, 87	See Annex W	40-50 years	NONEGA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11850 1002	118501	36.33	yellow-poplar, 97	See Annex W	30-40 years	NONEAL	IFM 1	30 years with intermittent thinning. See Annex B	Infinity

11850 1004	118501	1.38	yellow-poplar, 97	See Annex W	30-40 years	SMZAL	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11850 2001	118502	0.55	shortleaf pine, 70	See Annex W	50-60 years	SMZAL	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11850 2003	118502	13.29	shortleaf pine, 70	See Annex W	50-60 years	NONEAL	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11860 1001	118601	24.32	chestnut oak, 60	See Annex W	70-80 years	NONEGA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11860 1003	118601	0.78	chestnut oak, 60	See Annex W	70-80 years	SMZGA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11860 2002	118602	6.34	chestnut oak, 60	See Annex W	70-80 years	NONEGA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11870 1001	118701	6.89	loblolly pine red pine Lodgepole pine, 87	See Annex W	50-60 years	NONEAR	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11870 2002	118702	12.68	laurel oak water oak willow oak, 85	See Annex W	60-70 years	NONEAR	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11870 3003	118703	41.64	loblolly pine red pine Lodgepole pine, 87	See Annex W	20-30 years	NONEAR	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11870 4004	118704	11.81	loblolly pine red pine Lodgepole pine, 87	See Annex W	40-50 years	NONEAR	IFM 1	30 years with intermittent thinning. See Annex B	Infinity

11880 1001	118801	14.77	Douglas-fir, 120	See Annex W	70-80 years	SMZCA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11880 1010	118801	6.22	Douglas-fir, 120	See Annex W	70-80 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11880 1011	118801	7.9	Douglas-fir, 120	See Annex W	70-80 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11880 1012	118801	7.38	Douglas-fir, 120	See Annex W	70-80 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11880 1013	118801	7.92	Douglas-fir, 120	See Annex W	70-80 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11880 1014	118801	4.74	Douglas-fir, 120	See Annex W	70-80 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11880 1015	118801	5.93	Douglas-fir, 120	See Annex W	70-80 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11880 1017	118801	6.41	Douglas-fir, 120	See Annex W	70-80 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11880 1018	118801	6.07	Douglas-fir, 120	See Annex W	70-80 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11880 1019	118801	6.7	Douglas-fir, 120	See Annex W	70-80 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11880 1021	118801	6.68	Douglas-fir, 120	See Annex W	70-80 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11880 2003	118802	3.88	Ponderosa pine, 134	See Annex W	10-20 years	SMZCA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11880 2006	118802	5.95	Ponderosa pine, 134	See Annex W	10-20 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity

11880 2007	118802	7.64	Ponderosa pine, 134	See Annex W	10-20 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11880 2008	118802	6.56	Ponderosa pine, 134	See Annex W	10-20 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11880 2009	118802	7.22	Ponderosa pine, 134	See Annex W	10-20 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11880 2020	118802	5.76	Ponderosa pine, 134	See Annex W	10-20 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11880 2022	118802	6.16	Ponderosa pine, 134	See Annex W	10-20 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11880 2023	118802	5.14	Ponderosa pine, 134	See Annex W	10-20 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11880 3002	118803	9.1	Douglas-fir, 120	See Annex W	10-20 years	SMZCA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11880 3004	118803	6.2	Douglas-fir, 120	See Annex W	10-20 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11880 3005	118803	2.81	Douglas-fir, 120	See Annex W	10-20 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11880 3016	118803	7.51	Douglas-fir, 120	See Annex W	10-20 years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
11890 1001	118901	19.29	red maple Rocky Mountain juniper, 74	See Annex W	60-70 years	NONEMD	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11890 1003	118901	1.47	red maple Rocky Mountain juniper, 74	See Annex W	60-70 years	SMZMD	IFM 1	Occasional entries every +/- 20 years. See Annex B	Infinity

11890 2002	118902	10.13	black oak California black oak Canyon live oak California white oak, 76	See Annex W	70-80 years	NONEMD	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11890 2004	118902	0.76	black oak California black oak Canyon live oak California white oak, 76	See Annex W	70-80 years	SMZMD	IFM 1	Occasional entries every +/- 20 years. See Annex B	Infinity
11900 1002	119001	0.86	red maple, 52	See Annex W	60-70 years	SMZ1NY	IFM 2	No harvesting*. See Annex B	No harvesting*
11900 1003	119001	37.66	red maple, 52	See Annex W	60-70 years	NONENY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11900 1004	119001	3.35	red maple, 52	See Annex W	60-70 years	SMZ2NY	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11900 2001	119002	41.49	red maple, 52	See Annex W	70-80 years	NONENY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11900 2005	119002	1.34	red maple, 52	See Annex W	70-80 years	SMZ2NY	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11900 2006	119002	0.42	red maple, 52	See Annex W	70-80 years	SMZ1NY	IFM 2	No harvesting*. See Annex B	No harvesting*
11910 1001	119101	9.04	red maple Rocky Mountain juniper, 76	See Annex W	40-50 years	NONEMD	IFM 1	80 years with intermittent thinning. See Annex B	Infinity

11910 1002	119101	2.31	red maple Rocky Mountain juniper, 76	See Annex W	40-50 years	SMZMD	IFM 1	Occasional entries every +/- 20 years. See Annex B	Infinity
11920 1001	119201	59.36	balsam fir, 52	See Annex W	40-50 years	NONEME	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11920 1002	119201	4.79	balsam fir, 52	See Annex W	40-50 years	SMZME	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
11920 2003	119202	26.11	balsam fir, 52	See Annex W	40-50 years	SMZME	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
11920 2004	119202	77.04	balsam fir, 52	See Annex W	40-50 years	NONEME	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11940 1001	119401	17.21	sugar maple Norway maple, 80	See Annex W	60-70 years	NONEVA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11940 1006	119401	0.05	sugar maple Norway maple, 80	See Annex W	60-70 years	SMZVA	IFM 1	Occasional entries every +/- 30 years. See Annex B	Infinity
11940 2002	119402	78.40	sugar maple Norway maple, 80	See Annex W	60-70 years	NONEVA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11940 2004	119402	1.55	sugar maple Norway maple, 80	See Annex W	60-70 years	SMZVA	IFM 1	Occasional entries every +/- 30 years. See Annex B	Infinity
11940 3003	119403	21.14	quaking aspen, 87	See Annex W	50-60 years	NONEVA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11940 3005	119403	1.25	quaking aspen, 87	See Annex W	50-60 years	SMZVA	IFM 1	Occasional entries every +/- 30 years. See Annex B	Infinity

11950 1001	119501	44.54	green ash, 92	See Annex W	80-90 years	NONEWV	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11950 2002	119502	9.79	quaking aspen, 92	See Annex W	30-40 years	NONEWV	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
11960 1001	119601	32.22	white oak chestnut oak, 80	See Annex W	30-40 years	NONEAL	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11960 1003	119601	3.75	white oak chestnut oak, 80	See Annex W	30-40 years	SMZAL	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11960 2002	119602	46.79	Virginia pine, 70	See Annex W	50-60 years	NONEAL	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11960 2004	119602	1.21	Virginia pine, 70	See Annex W	50-60 years	SMZAL	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11970 1001	119701	20.78	American sycamore, 75	See Annex W	60-70 years	NONEAL	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11970 1006	119701	3.04	American sycamore, 75	See Annex W	60-70 years	SMZAL	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11970 2002	119702	7.99	longleaf pine, 71	See Annex W	50-60 years	NONEAL	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
11970 2005	119702	0.44	longleaf pine, 71	See Annex W	50-60 years	SMZAL	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11970 3003	119703	1.70	sweetgum, 88	See Annex W	30-40 years	SMZAL	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
11970 3004	119703	1.46	sweetgum, 88	See Annex W	30-40 years	NONEAL	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
12000 1002	120001	2.95	black cherry, 72	See Annex W	60-70 years	SMZ2PA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity

12000 1003	120001	3.16	black cherry, 72	See Annex W	60-70 years	SMZ1PA	IFM 2	No harvesting*. See Annex B	No harvesting*
12000 1004	120001	29.73	black cherry, 72	See Annex W	60-70 years	NONEPA	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
12000 2001	120002	10.03	black cherry, 72	See Annex W	20-30 years	NONEPA	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
12010 1001	120101	19.55	sugar maple Norway maple, 57	See Annex W	90-100 years	NONENY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
12010 1005	120101	0.32	sugar maple Norway maple, 57	See Annex W	90-100 years	SMZ2NY	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
12010 1006	120101	0.00	sugar maple Norway maple, 57	See Annex W	90-100 years	SMZ1NY	IFM 2	No harvesting*. See Annex B	No harvesting*
12010 2002	120102	16.46	eastern white pine, 64	See Annex W	60-70 years	NONENY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
12010 2003	120102	0.06	eastern white pine, 64	See Annex W	60-70 years	SMZ1NY	IFM 2	No harvesting*. See Annex B	No harvesting*
12010 2004	120102	0.48	eastern white pine, 64	See Annex W	60-70 years	SMZ2NY	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
12020 1001	120201	24.08	red pine, 60	See Annex W	40-50 years	NONEMN	IFM 1	70 years with intermittent thinning. See Annex B	Infinity
12030 1001	120301	27.81	eastern hemlock, 60	See Annex W	50-60 years	VT-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
12030 1004	120301	0.47	eastern hemlock, 60	See Annex W	50-60 years	SMZVT	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity

12030 2002	120302	32.29	northern white-cedar, 58	See Annex W	60-70 years	VT-Unconstrained	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
12030 2003	120302	2.38	northern white-cedar, 58	See Annex W	60-70 years	SMZVT	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
12040 1002	120401	1.82	Douglas-fir, 83	See Annex W	20-30 years	SMZCEWA	IFM 2	No harvesting*. See Annex B	No harvesting*
12040 1003	120401	2.31	Douglas-fir, 83	See Annex W	20-30 years	SMZIEWA	IFM 1	Occasional entries every +/- 20 years. See Annex B	Infinity
12040 1004	120401	61.94	Douglas-fir, 83	See Annex W	20-30 years	WLTEWA	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
12040 1005	120401	1.78	Douglas-fir, 83	See Annex W	20-30 years	SMZOEWA	IFM 1	Occasional entries every +/- 20 years. See Annex B	Infinity
12040 2001	120402	57.86	Douglas-fir, 83	See Annex W	0-10 years	WLTEWA	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
12050 1001	120501	44.81	sugar maple Norway maple, 66	See Annex W	40-50 years	NONENY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
12050 1002	120501	2.03	sugar maple Norway maple, 66	See Annex W	40-50 years	SMZ1NY	IFM 2	No harvesting*. See Annex B	No harvesting*
12050 1006	120501	7.10	sugar maple Norway maple, 66	See Annex W	40-50 years	SMZ2NY	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
12050 2003	120502	0.65	sugar maple Norway maple, 66	See Annex W	40-50 years	SMZ2NY	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
12050 2004	120502	17.13	sugar maple	See Annex W	40-50 years	NONENY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity

12050 2005	120502	0.12	Norway maple, 66 sugar maple	See Annex W	40-50 years	SMZ1NY	IFM 2	No harvesting*. See Annex B	No harvesting*
12060 1003	120601	1.54	Norway maple, 66 ponderosa pine	See Annex W	40-50 years	SMZIDF	IFM 1		Infinity
12060 1004	120601	117.08	Ponderosa pine (>=5â€ dbh) pitch pine, 105 ponderosa pine	See Annex W	40-50 years	CCIDN	IFM 1	70 years with intermittent thinning. See Annex B	Infinity
12060 2001	120602	1.07	Ponderosa pine (>=5â€ dbh) pitch pine, 105 ponderosa pine	See Annex W	20-30 years	SMZIDF	IFM 1	Occasional entries every +/- 20 years. See Annex B	Infinity
12060 2002	120602	207.26	Ponderosa pine (>=5â€ dbh) pitch pine, 105 ponderosa pine	See Annex W	20-30 years	CCIDN	IFM 1	70 years with intermittent thinning. See Annex B	Infinity
12080 1001	120801	59.00	white oak chestnut oak, 74	See Annex W	70-80 years	NONEKY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity

12090 1001	120901	20.88	yellow-poplar, 100	See Annex W	50-60 years	NONEKY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
12090 1002	120901	2.07	yellow-poplar, 100	See Annex W	50-60 years	SMZKY	IFM 1	Occasional entries every +/- 10 years. See Annex B	Infinity
12120 1001	121201	7.74	white oak chestnut oak, 73	See Annex W	50-60 years	SMZNC	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
12120 1002	121201	44.86	white oak chestnut oak, 73	See Annex W	50-60 years	NONENC	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
12130 1002	121301	25.94	sweetgum, 80	See Annex W	80-90 years	NONEVA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
12130 1003	121301	11.38	sweetgum, 80	See Annex W	80-90 years	SMZVA	IFM 1	Occasional entries every +/- 30 years. See Annex B	Infinity
12130 2001	121302	13.37	yellow-poplar, 86	See Annex W	60-70 years	SMZVA	IFM 1	Occasional entries every +/- 30 years. See Annex B	Infinity
12130 2004	121302	96.61	yellow-poplar, 86	See Annex W	60-70 years	NONEVA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
12140 1001	121401	11.18	yellow-poplar, 86	See Annex W	30-40 years	ROGERSHPA	IFM 2	No harvesting*. See Annex B	No harvesting*
12140 1002	121401	86.97	yellow-poplar, 86	See Annex W	30-40 years	NONEVA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
12140 1003	121401	5.85	yellow-poplar, 86	See Annex W	30-40 years	SMZVA	IFM 1	Occasional entries every +/- 30 years. See Annex B	Infinity
12160 1001	121601	25.29	white ash, 75	See Annex W	70-80 years	NONENY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
12160 1002	121601	0.08	white ash, 75	See Annex W	70-80 years	SMZ1NY	IFM 2	No harvesting*. See Annex B	No harvesting*

12160 1003	121601	0.61	white ash, 75	See Annex W	70-80 years	SMZ2NY	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
12170 1004	121701	2.99	northern red oak, 71	See Annex W	50-60 years	SMZ2PA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
12170 1006	121701	3.59	northern red oak, 71	See Annex W	50-60 years	SMZ1PA	IFM 2	No harvesting*. See Annex B	No harvesting*
12170 1008	121701	92.44	northern red oak, 71	See Annex W	50-60 years	NONEPA	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
12170 2005	121702	5.11	white oak chestnut oak, 80	See Annex W	30-40 years	SMZ2PA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
12170 2009	121702	6.18	white oak chestnut oak, 80	See Annex W	30-40 years	SMZ1PA	IFM 2	No harvesting*. See Annex B	No harvesting*
12170 2010	121702	68.55	white oak chestnut oak, 80	See Annex W	30-40 years	NONEPA	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
12170 3002	121703	0.55	northern red oak, 71	See Annex W	50-60 years	SMZ2PA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
12170 3011	121703	0.28	northern red oak, 71	See Annex W	50-60 years	SMZ1PA	IFM 2	No harvesting*. See Annex B	No harvesting*
12170 3012	121703	34.94	northern red oak, 71	See Annex W	50-60 years	NONEPA	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
12170 4003	121704	0.05	northern red oak, 71	See Annex W	? years	SMZ1PA	IFM 2	No harvesting*. See Annex B	No harvesting*
12170 4007	121704	18.99	northern red oak, 71	See Annex W	? years	NONEPA	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
12170 5001	121705	7.48	Virginia pine, 70	See Annex W	60-70 years	NONEPA	IFM 1	80 years with intermittent thinning. See Annex B	Infinity

12180 1003	121801	0.32	sugar maple Norway maple, 67	See Annex W	60-70 years	SMZ2PA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
12180 1008	121801	45.89	sugar maple Norway maple, 67	See Annex W	60-70 years	NONEPA	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
12180 1011	121801	0.26	sugar maple Norway maple, 67	See Annex W	60-70 years	SMZ1PA	IFM 2	No harvesting*. See Annex B	No harvesting*
12180 2007	121802	7.74	sugar maple Norway maple, 67	See Annex W	20-30 years	NONEPA	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
12180 2009	121802	1.72	sugar maple Norway maple, 67	See Annex W	20-30 years	SMZ1PA	IFM 2	No harvesting*. See Annex B	No harvesting*
12180 2010	121802	2.01	sugar maple Norway maple, 67	See Annex W	20-30 years	SMZ2PA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
12180 3002	121803	5.24	American beech, 70	See Annex W	50-60 years	NONEPA	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
12180 3006	121803	0.11	American beech, 70	See Annex W	50-60 years	SMZ2PA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
12180 4001	121804	2.72	white ash, 71	See Annex W	20-30 years	SMZ1PA	IFM 2	No harvesting*. See Annex B	No harvesting*
12180 4004	121804	1.10	white ash, 71	See Annex W	20-30 years	NONEPA	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
12180 4005	121804	2.09	white ash, 71	See Annex W	20-30 years	SMZ2PA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity

12190 1002	121901	25.74	yellow-poplar, 92	See Annex W	10-20 years	NONEVA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
12190 1003	121901	2.26	yellow-poplar, 92	See Annex W	10-20 years	SMZVA	IFM 1	Occasional entries every +/- 30 years. See Annex B	Infinity
12190 2001	121902	17.60	yellow-poplar, 92	See Annex W	90-100 years	NONEVA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
12200 1001	122001	19.90	laurel oak water oak willow oak, 95	See Annex W	40-50 years	NONETN	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
12200 1002	122001	6.06	laurel oak water oak willow oak, 95	See Annex W	40-50 years	SMZTN	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
12210 1001	122101	5.35	White fir, 90	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
12210 1002	122101	2.46	White fir, 90	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
12210 1003	122101	10.07	White fir, 90	See Annex W	100+ years	SMZCA	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
12210 1004	122101	2.03	White fir, 90	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
12210 1005	122101	4.94	White fir, 90	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
12210 1006	122101	5.24	White fir, 90	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
12210 1007	122101	5.69	White fir, 90	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
12210 1008	122101	6.39	White fir, 90	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
12210 1009	122101	6.11	White fir, 90	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
12210 1010	122101	3.66	White fir, 90	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity
12210 1011	122101	7.06	White fir, 90	See Annex W	100+ years	CACLCT	IFM 1	45 years with intermittent thinning. See Annex B	Infinity

12390 1001	123901	51.58	Ponderosa pine, 93	See Annex W	30-40 years	NONEWV	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
12490 1001	124901	53.92	Douglas-fir, 70	See Annex W	50-60 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
12490 1002	124901	0.46	Douglas-fir, 70	See Annex W	50-60 years	SMZEORI	IFM 2	No harvesting*. See Annex B	No harvesting*
12490 1005	124901	0.55	Douglas-fir, 70	See Annex W	50-60 years	SMZEORO	IFM 2	No harvesting*. See Annex B	No harvesting*
12490 2003	124902	1.04	grand fir, 85	See Annex W	40-50 years	SMZEORI	IFM 2	No harvesting*. See Annex B	No harvesting*
12490 2004	124902	1.02	grand fir, 85	See Annex W	40-50 years	SMZEORO	IFM 2	No harvesting*. See Annex B	No harvesting*
12490 2006	124902	32.37	grand fir, 85	See Annex W	40-50 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
12520 1005	125201	21.11	white oak chestnut oak, 75	See Annex W	50-60 years	SMZVA	IFM 1	Occasional entries every +/- 30 years. See Annex B	Infinity
12520 1006	125201	93.26	white oak chestnut oak, 75	See Annex W	50-60 years	NONEVA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
12520 2002	125202	0.93	Virginia pine, 70	See Annex W	20-30 years	SMZVA	IFM 1	Occasional entries every +/- 30 years. See Annex B	Infinity
12520 2004	125202	77.03	Virginia pine, 70	See Annex W	20-30 years	NONEVA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
12520 3001	125203	22.20	northern red oak, 64	See Annex W	100+ years	NONEVA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
12520 3003	125203	2.81	northern red oak, 64	See Annex W	100+ years	SMZVA	IFM 1	Occasional entries every +/- 30 years. See Annex B	Infinity

12560 1002	125601	1.95	black ash, 59	See Annex W	30-40 years	SMZ2NY	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
12560 1005	125601	4.89	black ash, 59	See Annex W	30-40 years	SMZ1NY	IFM 2	No harvesting*. See Annex B	No harvesting*
12560 1006	125601	12.85	black ash, 59	See Annex W	30-40 years	NONENY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
12560 2001	125602	8.51	black ash, 59	See Annex W	50-60 years	SMZ1NY	IFM 2	No harvesting*. See Annex B	No harvesting*
12560 2003	125602	0.05	black ash, 59	See Annex W	50-60 years	SMZ2NY	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
12560 2004	125602	0.01	black ash, 59	See Annex W	50-60 years	NONENY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
12580 1001	125801	19.26	black ash, 73	See Annex W	70-80 years	NONEME	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
12580 2002	125802	3.43	red maple Rocky Mountain juniper, 72	See Annex W	70-80 years	NONEME	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
12610 1001	126101	3.13	black cherry, 71	See Annex W	20-30 years	SMZ2NY	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
12610 1003	126101	21.01	black cherry, 71	See Annex W	20-30 years	NONENY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
12610 1004	126101	0.38	black cherry, 71	See Annex W	20-30 years	SMZ1NY	IFM 2	No harvesting*. See Annex B	No harvesting*
12610 2002	126102	3.11	red maple Rocky Mountain juniper, 60	See Annex W	0-10 years	SMZ2NY	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity

12610 2005	126102	0.37	red maple Rocky Mountain juniper, 60	See Annex W	0-10 years	SMZ1NY	IFM 2	No harvesting*. See Annex B	No harvesting*
12610 2006	126102	10.00	red maple Rocky Mountain juniper, 60	See Annex W	0-10 years	NONENY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
12620 1006	126201	9.30	white oak chestnut oak, 73	See Annex W	40-50 years	SMZVA	IFM 1	Occasional entries every +/- 30 years. See Annex B	Infinity
12620 1007	126201	104.14	white oak chestnut oak, 73	See Annex W	40-50 years	NONEVA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
12620 2002	126202	69.94	eastern white pine, 85	See Annex W	80-90 years	NONEVA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
12620 3003	126203	25.23	northern red oak, 71	See Annex W	60-70 years	NONEVA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
12620 3005	126203	0.10	northern red oak, 71	See Annex W	60-70 years	SMZVA	IFM 1	Occasional entries every +/- 30 years. See Annex B	Infinity
12620 4001	126204	10.53	Virginia pine, 65	See Annex W	30-40 years	NONEVA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
12620 5004	126205	4.22	eastern white pine, 85	See Annex W	40-50 years	NONEVA	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
12660 1002	126601	13.98	northern red oak, 63	See Annex W	40-50 years	NONENY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
12660 1004	126601	0.09	northern red oak, 63	See Annex W	40-50 years	SMZ2NY	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
12660 1005	126601	0.24	northern red oak, 63	See Annex W	40-50 years	SMZ1NY	IFM 2	No harvesting*. See Annex B	No harvesting*

12660 2001	126602	9.60	northern red oak, 63	See Annex W	150+ years	NONENY	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
12660 2003	126602	0.29	northern red oak, 63	See Annex W	150+ years	SMZ2NY	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
12660 2006	126602	1.43	northern red oak, 63	See Annex W	150+ years	SMZ1NY	IFM 2	No harvesting*. See Annex B	No harvesting*
12670 1001	126701	41.74	sweetgum, 95	See Annex W	0-10 years	NONEMS	IFM 1	30 years with intermittent thinning. See Annex B	Infinity
12670 1002	126701	7.19	sweetgum, 95	See Annex W	0-10 years	SMZMS	IFM 1	Occasional entries every +/- 15 years. See Annex B	Infinity
12770 1002	127701	89.32	northern red oak, 62	See Annex W	60-70 years	NONECT	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
12770 2001	127702	17.39	red maple Rocky Mountain juniper, 62	See Annex W	70-80 years	NONECT	IFM 1	80 years with intermittent thinning. See Annex B	Infinity
12930 1001	129301	234.97	ponderosa pine Ponderosa pine (>=5â€ dbh) pitch pine, 70	See Annex W	40-50 years	WLTOR	IFM 1	50 years with intermittent thinning. See Annex B	Infinity
12930 1002	129301	16.74	ponderosa pine Ponderosa pine (>=5â€ dbh) pitch pine, 70	See Annex W	40-50 years	SMZEORI	IFM 2	No harvesting*. See Annex B	No harvesting*
12930 1003	129301	22.97	ponderosa pine Ponderosa pine (>=5â€	See Annex W	40-50 years	SMZEORO	IFM 2	No harvesting*. See Annex B	No harvesting*

	dbh) pitch pine, 70

*Asterisk in this table denotes that a management stratum does not contribute to crediting due to no harvesting in both the baseline and project management systems (see section 5.4).

Modeling Software

Baseline and project scenario forecasting was accomplished partially through the use of the Forest Vegetation Simulator (FVS), a family of forest growth simulation models developed by the United States Forest Service. FVS was chosen for use because it recognizes all major tree species within the continental United States and can simulate nearly any type of management. Additionally, the VM0003 Methodology lists FVS as an approved modeling program.

5.1 Baseline Emissions

Procedures for the quantification of baseline emissions and/or removals were taken from Sections 8.2, 8.4, and 8.5 of the VM0003 Methodology. The following equations were utilized:

To calculate baseline net greenhouse gas removals Equation 1 was used:

$$\Delta C_{BSL} = \Delta C_{BSL_P} - GHG_{BSL_E}$$

where:

ΔC_{BSL}	Change in baseline net greenhouse gas removals by sinks (t CO2e) during the current monitoring period
ΔC_{BSLp}	Change in carbon stock changes in all pools in the baseline scenario (t CO2e) during the current monitoring period
GHG_{BSLE}	Greenhouse gas emissions as a result of forest management activities within the project area in the baseline scenario (tCO2e) during the current monitoring period

To calculate carbon stock changes in all pools in the baseline Equation 2 was used:

$$\Delta C_{BSL_P} = \Delta C_{BSL_{tree}} + \Delta C_{BSL_{DW}} + \Delta C_{BSL_{WP}}$$

where:

ΔC_{BSLp}	Carbon stock changes in all pools in the baseline scenario (t CO2e) during the current monitoring period
$\Delta C_{BSLtree}$	Carbon stock changes in above-ground and below-ground biomass of trees in the baseline scenario (tCO2e) during the current monitoring period
ΔC_{BSLDW}	Carbon stock changes in dead wood in the baseline scenario (tCO2e) during the current monitoring period

ΔC_{BSLWP}	Carbon stock changes in wood products in the baseline scenario (tCO2e) during the current monitoring period

To calculate carbon stock changes in above- and below-ground biomass of trees in the baseline Equation 3 was used (see Section 5.2 Table 16 for belowground biomass root-to-shoot ratios):

$$\Delta C_{BSL_{tree}} = \frac{\left(\sum_{i=1}^{M_B} \Delta C_{BSL_{AG|BG,i,100}} \times \frac{44}{12}\right)}{100} \times t^*$$

where:

$\Delta C_{BSLtree}$	Carbon stock changes in above-ground and below-ground biomass of trees in the baseline scenario (tCO2e) during the current monitoring period
$\Delta C_{BSLAG\|BG,i,100}$	Summed annual net carbon stock change in above-ground and below-ground biomass for measurement stratum i summed over the 100-year modeled baseline (t C) during the current monitoring period
i	1, 2, 3, …, MB measurement strata in the baseline scenario
t	1, 2, 3, …, t* years elapsed since the start of the IFM project activity
$\frac{44}{12}$	Ratio of molecular weight of CO2 to carbon (tCO2e t C-1)

To calculate carbon stock changes in dead wood in the baseline Equation 4 was used:

$$\Delta C_{BSL_{DW}} = \frac{\left(\sum_{i=1}^{M_B} \Delta C_{BSL_{DW,i,100}} \times \frac{44}{12}\right)}{100} \times t^*$$

where:

ΔC_{BSLDW}	Carbon stock changes in dead wood in the baseline scenario (tCO2e) during the current monitoring period
$\Delta C_{BSLDW,i,100}$	Summed annual net carbon stock change in dead wood for measurement stratum i summed over the 100-year modeled baseline (tC) during the current monitoring period
i	1, 2, 3, …, MB measurement strata in the baseline scenario
t	1, 2, 3, …, t* years elapsed since the start of the IFM project activity
$\frac{44}{12}$	Ratio of molecular weight of CO2 to carbon (tCO2e t C-1)

Under the VM0003 Methodology, the dead wood pool was broken into two components: standing dead wood and lying dead wood. Below-ground dead wood was conservatively omitted. The following equations were used to calculate dead wood:

To calculate the annual carbon stock change in dead wood Equation 18 was used:

$$\Delta C_{DW,i,t} = \frac{C_{DW,i,t_2} - C_{DW,i,t_1}}{T}$$

where:

$\Delta C_{DW,I,t}$	Annual carbon stock change in dead wood for measurement stratum i averaged over the monitoring period (t C yr-1)
$C_{DW,I,t2}$	Carbon stock of dead wood in measurement stratum i at time t = 2 (t C)
$C_{DW,I,t1}$	Carbon stock of dead wood in measurement stratum i at time t = 1 (t C)
T	Number of years between monitoring time t2 and t1 (T = t2 – t1) (yr)
i	1, 2, 3, …, MPS measurement strata in the project scenario

t	1, 2, 3, … t* years elapsed since the start of the IFM project activity

To calculate the carbon stocks of dead wood Equation 25 was used:

$$C_{DW,i,t} = \left(B_{SDW,i,t} + B_{LDW,i,t}\right) \times CF_{DW}$$

where:

$C_{DW,I,t}$	Carbon stock of dead wood in measurement stratum i at time t (t C)
$B_{SDW,I,t}$	Biomass of standing dead wood in measurement stratum i at time t (t d.m.)
$B_{LDW,I,t}$	Biomass of lying dead wood in measurement stratum i at time t (t d.m.)
CF_{DW}	Carbon fraction of dry matter in dead wood [0.47] (t C t-1 d.m.)
i	1, 2, 3, …, MPS measurement strata in the project scenario
t	1, 2, 3, … t* years elapsed since the start of the IFM project activity

As required by the VM0003 Methodology, a 10-year linear decay function was applied to standing dead within the FVS baseline model. After 10 years standing dead is assumed to fall and transition into the lying dead wood pool.

To determine lying dead wood values for the baseline model the following steps were taken:

- The forest types for each PAI were determined based on inventory data, see Annex F, and were then matched with FIA forest types listed in USGS, Forest Management Service Center, and *The Fire and Fuels Extension to the Forest Vegetation Simulator: Updated Model Documentation*, Table 4.16.10, pp.295-296 (2015), see Annex F.
- Within *The Fire and Fuels Extension to the Forest Vegetation Simulator: Updated Model Documentation* (FFE) the lying dead wood default biomass values for size classes 3-6, 6-12, and >12 were summed for each forest type associated with a PAI.
- Default lying dead biomass values were then used as lying dead values for the initial year of the baseline model.

- Following the initial year, lying dead wood was assumed to be equal to the difference between current above ground carbon contained within standing dead and the standing wood values reported in the previous 10-year cycle.

Since lying dead was calculated directly from changes in the standing dead wood pool, the same 10-year linear decay function was applied.

Default lying dead wood biomass values that were used for each measurement stratum are provided below (See Annex F):

Table 17: Default lying dead wood biomass values.

Measurement Stratum	FFE Variant	Total LDW Carbon (tCO2e/ac)
107102	Lake States	5.45
100701	Westside Cascades	83.26
100702	Westside Cascades	64.97
100703	Westside Cascades	0.00
101101	Pacific Northwest Coast	79.69
101102	Pacific Northwest Coast	91.68
101103	Pacific Northwest Coast	0.00
101104	Pacific Northwest Coast	29.11
101201	Northeastern	6.33
101202	Northeastern	1.93
101203	Northeastern	1.93
101401	Southern	4.49
101402	Southern	4.49
101403	Southern	4.49
102301	Lake States	11.28
102302	Lake States	5.45
102303	Lake States	5.45
102401	Westside Cascades	84.07
102402	Westside Cascades	47.88
102501	Lake States	0.00
102502	Lake States	11.39
102601	Northeastern	11.61
102602	Northeastern	11.61
102603	Northeastern	11.61
102701	Northeastern	3.72
102702	Northeastern	1.93
102801	Lake States	0.00
102802	Lake States	0.59
102901	Inland California and Southern Cascades	8.72

102902	Inland California and Southern Cascades	13.65
103001	Lake States	6.69
103002	Lake States	5.45
103101	Lake States	3.78
103102	Lake States	3.78
103201	Lake States	7.77
103202	Lake States	11.39
103301	Northeastern	6.33
103302	Northeastern	0.53
103401	Inland California and Southern Cascades	19.72
103402	Inland California and Southern Cascades	15.39
103501	Northeastern	6.33
103502	Northeastern	9.13
103601	South Central Oregon/Northeast California	19.99
103701	Northeastern	6.33
103702	Northeastern	6.33
103801	Northeastern	1.93
103802	Northeastern	1.93
103901	Northeastern	6.33
103902	Northeastern	6.33
104001	Northeastern	1.93
104101	Northeastern	10.32
104201	Northeastern	1.93
104202	Northeastern	1.93
104301	Northeastern	11.61
104302	Northeastern	11.61
104303	Northeastern	7.22
104401	Northeastern	9.81
104402	Northeastern	6.33
104601	Northeastern	1.93
104701	Northeastern	1.93
104801	Northeastern	10.32
104802	Northeastern	1.93
104803	Northeastern	6.33
104901	Northeastern	11.61
104902	Northeastern	11.61
104903	Northeastern	11.61
104904	Northeastern	11.61
105001	Northeastern	1.93
105002	Northeastern	10.32

105101	Southern	3.58
105102	Southern	1.87
105201	Northeastern	11.61
105202	Northeastern	11.61
105301	Northeastern	7.22
105302	Northeastern	7.22
105401	Lake States	1.82
105402	Lake States	1.82
105501	Lake States	6.69
105601	Northeastern	10.32
105602	Northeastern	1.93
105603	Northeastern	10.32
105701	Central States	7.39
105702	Central States	10.40
105801	Northeastern	6.33
105802	Northeastern	6.33
105803	Northeastern	6.33
105901	Klamath Mountains	13.09
106001	Southern	3.58
106101	Lake States	5.45
106102	Lake States	11.28
106103	Lake States	5.45
106201	Northeastern	0.53
106202	Northeastern	1.93
106301	Klamath Mountains	12.83
106302	Klamath Mountains	0.00
106401	Northeastern	11.61
106501	Westside Cascades	75.35
106502	Westside Cascades	66.48
106601	Northeastern	9.13
106602	Northeastern	11.61
106701	Northeastern	7.22
106702	Northeastern	6.33
106801	Northeastern	1.93
106802	Northeastern	9.13
106901	Pacific Northwest Coast	62.22
106902	Pacific Northwest Coast	62.55
106903	Pacific Northwest Coast	67.19
107001	Inland Empire	9.58
107002	Inland Empire	13.30
107101	Lake States	11.39
107102	Lake States	5.45
107103	Lake States	11.39

107104	Lake States	0.59
107401	Southern	3.58
107402	Southern	4.49
107403	Southern	1.87
107901	Southern	2.79
108001	Southern	4.49
108201	Northeastern	7.22
108202	Northeastern	7.22
108301	Northeastern	6.33
108302	Northeastern	7.22
108401	Klamath Mountains	12.83
108402	Klamath Mountains	12.83
108501	Lake States	1.82
108601	Northeastern	6.33
108701	Pacific Northwest Coast	69.44
108702	Pacific Northwest Coast	44.52
108801	Northeastern	1.93
108901	Lake States	7.22
108902	Lake States	5.92
109001	Western Sierras	15.12
109002	Western Sierras	8.70
109101	Northeastern	6.33
109201	Northeastern	1.93
109301	Northeastern	6.33
109302	Northeastern	6.33
109401	Northeastern	6.33
109402	Northeastern	1.93
109501	Northeastern	1.93
109701	Northeastern	3.72
109702	Northeastern	7.22
109901	Northeastern	1.93
109902	Northeastern	9.81
109903	Northeastern	1.93
109904	Northeastern	9.81
110001	Southern	9.15
110002	Southern	4.49
110003	Southern	4.49
110101	Northeastern	9.81
110102	Northeastern	9.81
110201	Northeastern	9.81
110202	Northeastern	11.61
110301	Northeastern	11.61
110302	Northeastern	2.02

110303	Northeastern	10.32
110401	Northeastern	3.72
110402	Northeastern	1.93
110501	Lake States	0.59
110502	Lake States	11.28
110503	Lake States	5.45
110504	Lake States	11.39
110701	Eastern Montana	12.66
110702	Eastern Montana	12.73
110801	Lake States	11.28
110802	Lake States	9.15
110803	Lake States	11.28
110901	Southern	2.66
111001	Southern	2.79
111101	Northeastern	7.22
111102	Northeastern	6.33
111201	Northeastern	7.22
111202	Northeastern	0.53
111301	East Cascades	5.32
111401	Northeastern	6.33
111402	Northeastern	9.13
111403	Northeastern	9.13
111501	Southern	9.15
111502	Southern	9.15
111601	Northeastern	10.16
111602	Northeastern	10.16
111701	Northeastern	1.93
111702	Northeastern	6.33
111801	Southern	1.87
111802	Southern	5.51
111803	Southern	9.15
111901	Northeastern	6.33
112001	Southern	4.49
112002	Southern	1.87
112101	Southern	4.49
112102	Southern	4.49
112201	Inland California and Southern Cascades	17.24
112202	Inland California and Southern Cascades	12.95
112301	Southern	4.49
112302	Southern	4.49
112401	Central States	10.40
112402	Central States	10.40

112501	Northeastern	11.61
112601	Northeastern	6.33
113301	Northeastern	6.33
113401	Southern	4.49
113701	Northeast	6.33
113702	Northeast	9.13
113801	Lake States	9.58
113901	Blue Mountains	12.83
113902	Blue Mountains	10.22
114101	Southern	1.87
114102	Southern	1.87
114103	Southern	2.79
114201	Southern	2.66
114202	Southern	9.15
114301	Southern	3.04
114302	Southern	3.04
114303	Southern	4.49
114401	Southern	2.79
114402	Southern	1.87
114403	Southern	2.79
114404	Southern	2.79
114405	Southern	1.87
114406	Southern	1.87
114601	Southern	1.87
114701	Northeastern	9.13
114702	Northeastern	6.33
115801	Lake States	4.57
115802	Lake States	4.57
115803	Lake States	4.57
115901	Southern	1.87
115902	Southern	1.87
116001	Northeastern	1.93
116002	Northeastern	7.22
116101	Southern	2.79
116201	Southern	4.49
116202	Southern	2.66
116301	Blue Mountains	16.03
116302	Blue Mountains	8.07
116303	Blue Mountains	8.95
116401	Northeastern	10.32
116402	Northeastern	6.33
116403	Northeastern	6.33
116601	Northeastern	9.81

116602	Northeastern	9.81
116701	Northeastern	9.13
116702	Northeastern	6.33
116801	Northeastern	1.93
116802	Northeastern	6.33
116901	Southern	4.49
116902	Southern	9.15
117001	Lake States	11.28
117101	Lake States	11.28
117102	Lake States	5.45
117103	Lake States	5.45
117104	Lake States	11.39
117201	Central States	7.39
117202	Central States	7.39
117401	Southern	4.49
117402	Southern	9.15
117501	Southern	9.15
117502	Southern	9.15
117901	Southern	4.49
117902	Southern	4.49
118101	Southern	1.87
118102	Southern	1.87
118103	Southern	1.87
118104	Southern	1.87
118201	Pacific Northwest Coast	60.51
118202	Pacific Northwest Coast	88.49
118203	Pacific Northwest Coast	74.50
118301	Pacific Northwest Coast	82.52
118302	Pacific Northwest Coast	51.40
118401	Southern	1.87
118402	Southern	1.87
118403	Southern	1.87
118501	Southern	4.49
118502	Southern	1.87
118601	Southern	4.49
118602	Southern	4.49
118701	Southern	1.87
118702	Southern	4.49
118703	Southern	1.87
118704	Southern	1.87
118801	Klamath Mountains	14.44
118802	Klamath Mountains	15.76
118803	Klamath Mountains	17.88

118901	Northeast	6.33
118902	Northeast	6.82
119001	Northeastern	9.13
119002	Northeastern	6.33
119101	Northeast	6.82
119201	Northeastern	9.81
119202	Northeastern	9.81
119401	Southern	2.79
119402	Southern	2.79
119403	Southern	3.58
119501	Northeast	6.33
119502	Northeast	0.53
119601	Southern	1.87
119602	Southern	1.87
119701	Southern	2.79
119702	Southern	1.23
119703	Southern	1.23
120001	Northeast	6.33
120002	Northeast	7.22
120101	Northeast	6.33
120102	Northeast	9.13
120201	Lake States	1.82
120301	Northeast	4.46
120302	Northeast	9.13
120401	Inland Empire	30.64
120402	Inland Empire	22.42
120501	Northeast	6.33
120502	Northeast	10.32
120601	Inland Empire	9.17
120602	Inland Empire	25.14
120801	Southern	9.15
120901	Southern	4.49
121201	Southern	4.49
121301	Southern	4.49
121302	Southern	2.31
121401	Southern	4.49
121601	Northeast	6.33
121701	Northeast	6.82
121702	Northeast	10.32
121703	Northeast	1.93
121704	Northeast	7.22
121705	Northeast	9.13
121801	Northeast	6.33

121802	Northeast	7.22
121803	Northeast	6.33
121804	Northeast	0.15
121901	Southern	4.49
121902	Southern	9.15
122001	Southern	2.79
122101	Klamath Mountains	0.42
123901	Northeast	1.93
124901	East Cascades	15.25
124902	East Cascades	27.31
125201	Southern	4.49
125202	Southern	1.87
125203	Southern	4.49
125601	Northeast	6.33
125602	Northeast	6.29
125801	Northeast	9.13
125802	Northeast	6.33
126101	Northeast	6.33
126102	Northeast	6.33
126201	Southern	4.49
126202	Southern	4.49
126203	Southern	4.49
126204	Southern	1.87
126205	Southern	2.31
126601	Northeast	1.93
126602	Northeast	3.72
126701	Southern	4.49
127701	Northeast	4.46
127702	Northeast	6.33
129301	Blue Mountains	10.53

To calculate carbon stock changes in wood products in the baseline Equation 5 was used:

$$\Delta C_{BSL_{WP}} = \frac{\left(\sum_{i=1}^{M_B} \Delta C_{BSL_{WP,i,t}} \times \frac{44}{12}\right)}{100} \times t^*$$

where:

$\Delta C_{BSL,WP}$	Carbon stock changes in wood products in the baseline (t CO2e) during the current monitoring period

$\Delta C_{BSLWP,i,t}$	Baseline annual net carbon stock change in wood products for measurement stratum i at time t (t C yr-1) during the current monitoring period
i	1, 2, 3, …, MB measurement strata in the baseline scenario
t	1, 2, 3, …, t* years elapsed since the start of the IFM project activity
44/12	Ratio of molecular weight of CO2 to carbon (t CO2e t C-1)

To calculate the annual change in carbon stored in wood products Equation 28 was used:

$$\Delta C_{WP,t_1,t_2} = \frac{C_{WP,t_2} - C_{WP,t_1}}{T}$$

where:

$\Delta C_{WP,t1,t2}$	Annual carbon stock change in wood products between times t1 and t2, averaged over the monitoring period (t C yr-1)
$\Delta C_{WP,t2}$	Carbon stock of wood products at time t = 2 (t C)
$\Delta C_{WP,t1}$	Carbon stock of wood products at time t = 1 (t C)
T	Number of years between monitoring times t2 and t1 (T = t2−-t1) (yr)
t	1, 2, 3, …, t* years elapsed since the start of the IFM project activity

To calculate wood products the Winjum et al. Method was used (Annex J). The Winjum et al. Method was chosen as it may be applied to any vegetation type found throughout the world. The following equations were used:

To calculate the biomass of the total volume extracted from within the project area Equation 29 was used:

$$EXC_{WP,ty} = \sum_{h=1}^{H_{PS}} \sum_{j=1}^{S_{PS}} (V_{ex,h,ty,j} \times D_j \times CF_j)$$

where:

$EXC_{WP,ty}$	Summed stock of extracted biomass carbon from within the project area for class of wood product ty (tC)
$V_{ex,h,ty,j}$	Volume of timber extracted from within the project area during harvest h for species j and wood product class ty (m3)
D_j	Basic wood density of species j (t d.m. m-3)
CF_J	Carbon fraction of biomass for tree species j; IPCC default value = 0.47 (t C t-1 d.m.)
h	1, 2, 3, …, HPS harvests since the start of the IFM project activity
j	1, 2, 3, …, SPS tree species in the project scenario
ty	Wood product class, defined here as sawnwood, wood-based panels, other industrial roundwood, and paper and paper board

To calculate the total carbon in harvested timber that enters the wood products pool based on mill efficiencies and product disposition percentages Equation 32 was used:

$$C_{Mill,ty} = \sum_{s,w,oir,p}^{ty} EXC_{WP,ty} \times (1 - WW)$$

where:

$C_{Mill,ty}$	Summed stock of carbon remaining in wood products of class ty from within the

	project area after milling (tC)
$EXC_{WP,ty}$	Summed stock of extracted biomass carbon from within the project area for class of wood product ty (tC)
WW	Wood waste fraction based on mill efficiency
s,w,oir,p	Wood product categories: sawnwood, wood-based panels, other industrial roundwood, and paper and paperboard

Following the Winjum et al. Method, the wood waste fraction (WW) was assumed to be 0.19 as all PAIs exist within a developed country.

To calculate the total carbon removed from the project area stored in each type of wood product Equation 33 was used:

$$C_{WP,ty} = \sum_{s,w,oir,p}^{ty} ((C_{Mill,ty} - SLF) - \left(\frac{MLF}{20}\right))$$

where:

$C_{WP,ty}$	Total carbon removed from the project area stored in each type, ty, of harvested wood products (tC)
$C_{Mill,ty}$	Summed stock of carbon remaining in wood products of class ty from within the project area after milling (tC)
SLF	Fraction of wood products that will be emitted to the atmosphere within 3 years of timber harvest (tC)
MLF	Fraction of wood products that is considered stored for the medium term and emitted to the atmosphere each year after harvest for 20 years (tC)
ty	Wood product class, defined here as sawnwood, wood-based panels, other

	industrial roundwood, paper and paper board
t	1, 2, 3, …, t* years elapsed since the start of the IFM project activity

Per the VM0003 Methodology, a default value of 0.62 was used for *OF* for both sawnwood and paper product classes.

To calculate the fraction of wood products emitted to the atmosphere within three years of timber harvest Equation 34 was used:

$$SLF = (C_{Mill,ty}) \times slp$$

Where:

SLF	Fraction of wood products emitted to the atmosphere within 3 years of timber harvest (tC)
$C_{Mill,ty}$	Sum of carbon remaining in wood products of class ty from within the project area after milling (tC)
slp	Short-lived proportion
ty	Wood product class, defined here as sawnwood, wood-based panels, other industrial roundwood, and paper and paper board

Per the VM0003 Methodology, default *slp* values of 0.12 and 0.24 were used for sawnwood and paper product classes, respectively.

To calculate the fraction of wood products stored between years 3 and 5, Equation 36 was used:

$$MLF_{3,5} = C_{mill,ty} \times slp_{adj}$$

where:

$MLF_{3,5}$	Fraction of wood products that is considered stored for the medium term for the period t = 3 years to t = 5 years (tC)

$C_{Mill,ty}$	Summed stock of biomass carbon extracted from within the project area for wood product class ty after milling (tC)
slp_{adj}	Short-lived proportion for the period t = 3 years to t = 5 years
MLF	Fraction of wood products that is considered stored for the medium term and emitted to the atmosphere each year after harvest for 20 years (tC)

Per the VM0003 Methodology, default slp_{adj} values of 0.08 and 0.16 were used for sawnwood and paper product classes, respectively.

To calculate the fraction of wood products stored between years 5 and 100, Equation 37 was used:

$$MLF_{5,100} = \left(C_{mill,ty} - SLF - MLF_{3,5}\right) \times 0.615$$

where:

$MLF_{5,100}$	Fraction of wood products that is considered stored for the medium term for the period t = 5 years to t = 100 years (tC)
$C_{Mill,ty}$	Summed stock of biomass carbon extracted from within the project area for class of wood product ty after milling (tC)
SLF	Fraction of wood products emitted to the atmosphere within 3 years of timber harvest (tC)
ty	Wood product class, defined here as sawnwood, wood-based panels, other industrial roundwood, and paper and paper board
h	Year after harvest

To calculate the fraction of wood products stored for the medium-term Equation 35 was used:

$$MLF = MLF_{3,5} + MLF_{5,100}$$

where:

MLF	Fraction of wood products that is considered stored for the medium term and will be emitted to the atmosphere each year after harvest for 20 years (tC)
$MLF_{3,5}$	Fraction of wood products that is considered stored for the medium term for the period t = 3 years to t = 5 years (tC)
$MLF_{5,100}$	Fraction of wood products that is considered stored for the medium term for the period t = 5 years to t = 100 years (tC)

Baseline GHG emissions were estimated according to VM0003 Section 8.4, Equation 6:

$$GHG_{BSL,E} = \sum_{t=1}^{t^*} \left(E_{BSL,BiomassBurn,t} \right)$$

where:

$GHG_{BSL,E}$	Greenhouse gas emissions as a result of forest management activities within the project area in the baseline, t CO2-e
$E_{BSL, BiomassBurn,t}$	Non-CO2 emissions due to biomass burning as part of forest management during the year t in the baseline, t CO2-e
t	1, 2, 3 …t* years elapsed since the start of the IFM project activity, years

Logging slash ($E_{BSL, BiomassBurn,t}$) in the baseline scenario was excluded according to the methodology, as such, $GHG_{BSL,E}$ was calculated as zero.

The volume and biomass equations and references were sourced from the US Forest Inventory & Analysis (FIA) program, which are also used in both the California Air Resources Board and Climate Action Reserve programs, and are available on both of these programs' websites, listed in Annex I. Biomass equations were compiled in proprietary visual basic analysis (VBA) code in Microsoft Excel and data analysis software. Tree species, DBH, height, decay, and region-specific biomass equations were used to calculate carbon estimates in tonnes of CO2 equivalent. Carbon was only calculated for trees above 12.7 cm (5 inches) at DBH and above.

Baseline Emissions for Current Monitoring Period

To determine the baseline emissions for the current monitoring period the equations described above were used. Values were calculated for the start and end dates of the monitoring period and the difference was found. Using VM0003 v1.3 Equations 1, 2, 3, 4, and 5, ΔC_{BSL}, the baseline net greenhouse gas removals by sinks (tCO2e) was calculated for the project.

Baseline Model Inputs

Baseline carbon stock values used for determining net GHG emission reductions and removals were generated ex-ante by FVS using a 100-year time frame. Inputs into the Baseline Model included tree attribute data taken from the project inventory (Annex W), and site-specific spatial information for each management stratum. Management stratum, also known as modeling unit, boundaries were defined by dividing PAIs into areas with distinct silvicultural planning regimes based on state and local forest management regulations and best-management-practices (see section 5, Annex B for PAI maps, and Annex Y for management strata shapefiles), as well as by speaking with foresters located in the region of the PAIs to confirm plausibility (Annex H). Where a management stratum is not subject to the baseline management system due to legal harvesting restrictions on that stratum, it shall not contribute to baseline emissions or project crediting. See Section 5 for more detail on management strata. All treelist values have undergone a QAQC procedure to verify accuracy as seen in Annex AL.

Baseline Model Outputs

Outputs from the FVS Baseline Model included the following summaries, with information displayed in 10-year cycles for the 100-year modeling time frame:

1. Aboveground and belowground living carbon **(ΔCBSL,tree, VM0003 Equation 3)**
2. Aboveground dead carbon **(ΔCBSL,DW, VM0003 Equation 4)**
3. Harvested wood products **(ΔCBSL,WP, VM0003 Equation 5)**

All references to “Stand ID” within FVS outputs Annexes AC and AD refer to management strata.

Baseline – Aboveground and Belowground Living Carbon **(ΔCBSL,tree, VM0003 Equation 3)**
Modeled above and below-ground living carbon is reported by management stratum and 10-year FVS cycle in Annex AA. To aggregate from management strata to the relevant measurement strata (see Table 14 in Section 5), the following procedure was carried out in Annex AC:

- Above and below ground living carbon for related management strata were summed to the relevant measurement strata (see Section 5). Aggregated measurement strata total carbon is reported by 10-year model cycle in Annex AC.
- The URS (section 3.2.2) was applied to the first 10-year model cycle for each measurement strata. URS for each measurement stratum is reported in section 4.2 and is calculated in Annex W.
- Following VM0003 equation 3, the change in above and below ground carbon for each measurement stratum was annualized over the 100-year model for input to ERR accounting (Annex AB).

Baseline – Dead Carbon (ΔCBSL,DW, VM0003 Equation 4)

Dead wood carbon is reported by management stratum and 10-year FVS cycle in Annex AA. To aggregate management strata dead wood carbon to the relevant measurement strata (Section 5), the following procedure occurred in Annex AC:

- Dead carbon for related management strata was summed to the relevant measurement strata and reported by 10-year FVS model cycle. See Section 5 for a table that relates each management strata and the associated measurement strata.
- Following VM0003 equation 4, change in dead wood carbon for each measurement stratum was annualized over the 100-year model for input to the ERR Calculation Spreadsheet, Annex AB.

Baseline – Carbon in Harvested Wood Products (ΔCBSL,WP, VM0003 Equation 5)

A Cut List displaying a record of each tree scheduled for harvest in FVS by management stratum is located in Annex AD.

- Each tree record present in the Cut List was assigned to the relevant measurement strata in Annex AD.
- The VM0003 Winjum method was utilized to quantify carbon stored in harvested wood products for each tree record in the Cut List, per 8.5.1.3 of the VM0003 methodology. Relevant parameters are defined in Section 4.1.
- Tree-level harvested wood products were summarized to the relevant measurement strata (see section 5 for management strata and associated measurement strata).
- Following VM0003 equation 5, the change in baseline harvested wood products was annualized over the 100-year model for input to ERR accounting (Annex AB).

Total baseline emissions for the current monitoring period are 15,935 tCO2e. All calculations related to baseline emissions are available in the ERR Calculation Spreadsheet (Annex AB), the model results workbook (Annex AC), and the baseline wood products workbook (Annex AD).

5.1.1 Uncredited Reserve Stock

When a PAI was first enrolled to the grouped project, $\Delta C_{BSL,tree}$ and $\Delta C_{BSL,DW,standing}$ were conservatively reduced to reflect the nine-percent (9%) portion of initial carbon stocks set aside to the URS (see Section 3.2.1). The steps to calculate URS in the baseline scenario are as follows:

1. Calculate nine percent (9%) of the initial carbon stocks (tCO2e) for the AGBG Living and AG Standing Dead pools, respectively. Initial carbon stocks are based on inventory data, projected via FVS to the PAI start date.
2. Deduct reserved AGBG Living carbon calculated in Step 1 from the start of the baseline model (Annex AC).

3. Deduct reserved AG Standing Dead carbon from the start of the baseline model (Annex AC).
4. Calculate $\Delta C_{BSL,tree}$ and $\Delta C_{BSL,DW,standing}$

This procedure results in baseline depletion rates for $\Delta C_{BSL,tree}$ and $\Delta C_{BSL,DW,standing}$ that are conservatively lower in baseline emissions, resulting in fewer VCUs as compared to otherwise. See section 3.2.1 for more detail on the URS.

5.2 Project Emissions

Quantify project emissions and/or carbon stock changes for the monitoring period in Procedures for the quantification of project emissions and/or removals were taken from Section 8.5 of the VM0003 Methodology. The following equations were utilized:

To calculate the actual net greenhouse gas removals in the project Equation 10 was used:

$$\Delta C_{ACTUAL} = \Delta C_P - GHG_E$$

where:

ΔC_{ACTUAL}	Change in actual net greenhouse gas removals by sinks (tCO2e) during the current monitoring period
ΔC_P	Sum of the changes in above-ground biomass, dead wood and wood products in the project scenario (tCO2e) during the current monitoring period
GHG_E	Increase in GHG emissions as a result of implementation of the proposed IFM project activity within the project area (tCO2e) during the current monitoring period

To calculate the sum of the changes in above-ground biomass, dead wood, and wood products in the project Equation 11 was used:

$$\Delta C_P = \sum_{t=1}^{t^*} \Delta C_t \times \frac{44}{12}$$

where:

ΔC_P	Sum of the changes in above-ground biomass, dead wood and wood products in the project scenario (tCO2e) during the current monitoring period
ΔC_t	Annual change in carbon stock in all selected carbon pools for year t (tC yr-1)
t	1, 2, 3, …, t* years elapsed since the start of the IFM project activity
$\frac{44}{12}$	Ratio of molecular weights of CO2 and carbon (mol mol-1)

To calculate the annual change in carbon stocks in the project Equation 12 was used:

$$\Delta C_t = \sum_{i=1}^{M_{PS}} \left(\Delta C_{AG,i,t} + \Delta C_{BG,i,t} + \Delta C_{DW,i,t} + \Delta C_{WP,i,t} \right)$$

where:

ΔC_t	Annual change in carbon stock in all selected carbon pools for year t (t C yr-1) during the current monitoring period
$\Delta C_{AG,I,t}$	Annual carbon stock change in above-ground biomass of trees for measurement stratum i; may be an average over the monitoring period (t C yr-1)
$\Delta C_{BG,I,t}$	Annual carbon stock change in below-ground biomass of trees for measurement stratum i; may be an average over the monitoring period (t C yr-1)
$\Delta C_{DW,I,t}$	Annual change in the dead wood carbon pool for measurement stratum i; may be an average over the monitoring period (t C yr-1)
$\Delta C_{WP,I,t}$	Annual change in the wood products carbon pool for measurement stratum i; may be an average over the monitoring period (t C yr-1)
i	1, 2, 3, …, MPS measurement strata in the project scenario
t	1, 2, 3, …, t* years elapsed since the start of the IFM project activity

Average carbon stocks in above-ground biomass per unit area were estimated based on field measurements in sample plots. As the allometric equation method was chosen, the following equations from the VM0003 Methodology were used:

To calculate the above-ground biomass of tree by species Equation 19 was used:

$$C_{ABtree_{l,j,i,sp,t}} = \sum_{l=1}^{N_{j,sp}} f_j(DBH,H) \times CF_j$$

where:

$C_{aBtreel,j,l,sp,t}$	Carbon stock in above-ground biomass of tree l of species j in plot sp in measurement stratum i at time t (t C tree-1)
CF_j	Carbon fraction of biomass for tree species j; IPCC default value = 0.47 (t C t-1 d.m.)
$F_j(DBH,H)$	Allometric equation for species j linking diameter at breast height (DBH) and possibly height (H) to above-ground biomass of trees (t. d.m. tree-1)
i	1, 2, 3, …, MPS measurement strata in the project scenario
j	1, 2, 3, …, SPS tree species in the project scenario
l	1, 2, 3, …, Nj,sp sequence number of individual trees of species j in sample plot sp
t	1, 2, 3, …, t* years elapsed since the start of the IFM project activity

To calculate carbon stocks in below-ground biomass of trees Equation 20 was used:

$$C_{BBtree_{l,j,i,sp,t}} = C_{ABtree_{l,j,i,sp,t}} \times R_j$$

where:

$C_{bBtreel,j,l,sp,t}$	Carbon stock in below-ground biomass of tree l of species j in plot sp in measurement stratum i at time t (t C tree-1)

$C_{aBtreel,j,l,sp,t}$	Carbon stock in above-ground biomass of tree l of species j in plot sp in measurement stratum i at time t (t C tree-1)
R_j	Root-shoot ratio appropriate for biomass stock of species j (dimensionless)

Following the IPCC, Good Practice Guidance for Land Use, Land–Use Change and Forestry, 2003 Table 3A.1.8 (Annex O), the following root-to-shoot ratios were applied to each measurement stratum, with all PAIs falling into the Temperate zone, vegetation type determined by species composition from the forest inventory by basal area:

Table 18. Measurement stratum and assigned root to shoot ratio.

Measurement Stratum	Vegetation Type	Root to Shoot Ratio
100701	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
100702	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
100703	Conifers, above-ground biomass < 50 tonnes/ha	0.4
101101	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
101102	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
101103	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
101104	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
101201	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
101202	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
101203	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
101401	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
101402	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
101403	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
102301	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
102302	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
102303	Conifers, above-ground biomass < 50 tonnes/ha	0.4
102401	Conifers, above-ground biomass < 50 tonnes/ha	0.4
102402	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
102501	Other broadleaf, above- ground biomass < 75 tonnes/ha	0.46
102502	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
102601	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
102602	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
102603	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
102701	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
102702	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24

102801	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
102802	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
102901	Quercus spp., above- ground biomass >70 tonnes/ha	0.3
102902	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
103001	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
103002	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
103101	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
103102	Other broadleaf, above- ground biomass < 75 tonnes/ha	0.46
103201	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
103202	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
103301	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
103302	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
103401	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
103402	Conifers, above-ground biomass < 50 tonnes/ha	0.4
103501	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
103502	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
103601	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
103701	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
103702	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
103801	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
103802	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
103901	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
103902	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
104001	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
104101	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
104201	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
104202	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
104301	Conifers, above-ground biomass < 50 tonnes/ha	0.4
104302	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
104303	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
104401	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
104402	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
104601	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
104701	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
104801	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
104802	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
104803	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
104901	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
104902	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
104903	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
104904	Conifers, above-ground biomass 50-150 tonnes/ha	0.29

105001	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
105002	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
105101	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
105102	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
105201	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
105202	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
105301	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
105302	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
105401	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
105402	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
105501	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
105601	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
105602	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
105603	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
105701	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
105702	Other broadleaf, above- ground biomass < 75 tonnes/ha	0.46
105801	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
105802	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
105803	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
105901	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
106001	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
106101	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
106102	Other broadleaf, above- ground biomass < 75 tonnes/ha	0.46
106103	Conifers, above-ground biomass < 50 tonnes/ha	0.4
106201	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
106202	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
106301	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
106302	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
106401	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
106501	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
106502	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
106601	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
106602	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
106701	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
106702	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
106801	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
106802	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
106901	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
106902	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
106903	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
107001	Conifers, above-ground biomass 50-150 tonnes/ha	0.29

107002	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
107101	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
107102	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
107103	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
107104	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
107401	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
107402	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
107403	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
107901	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
108001	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
108201	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
108202	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
108301	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
108302	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
108401	Quercus spp., above- ground biomass >70 tonnes/ha	0.3
108402	Quercus spp., above- ground biomass >70 tonnes/ha	0.3
108501	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
108601	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
108701	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
108702	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
108801	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
108901	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
108902	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
109001	Quercus spp., above- ground biomass >70 tonnes/ha	0.3
109002	Quercus spp., above- ground biomass >70 tonnes/ha	0.3
109101	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
109201	Quercus spp., above- ground biomass >70 tonnes/ha	0.3
109301	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
109302	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
109401	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
109402	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
109501	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
109701	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
109702	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
109901	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
109902	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
109903	Quercus spp., above- ground biomass >70 tonnes/ha	0.3
109904	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
110001	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
110002	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
110003	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24

110101	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
110102	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
110201	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
110202	Conifers, above-ground biomass < 50 tonnes/ha	0.4
110301	Other broadleaf, above- ground biomass 75-150 tonnes/ha	0.23
110302	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
110303	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
110401	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
110402	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
110501	Conifers, above-ground biomass < 50 tonnes/ha	0.4
110502	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
110503	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
110504	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
110701	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
110702	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
110801	Other broadleaf, above- ground biomass < 75 tonnes/ha	0.46
110802	Other broadleaf, above- ground biomass 75-150 tonnes/ha	0.23
110803	Other broadleaf, above- ground biomass < 75 tonnes/ha	0.46
110901	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
111001	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
111101	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
111102	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
111201	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
111202	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
111301	Quercus spp., above- ground biomass >70 tonnes/ha	0.3
111401	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
111402	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
111403	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
111501	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
111502	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
111601	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
111602	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
111701	Quercus spp., above- ground biomass >70 tonnes/ha	0.3
111702	Quercus spp., above- ground biomass >70 tonnes/ha	0.3
111801	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
111802	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
111803	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
111901	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
112001	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
112002	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
112101	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24

112102	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
112201	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
112202	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
112301	Quercus spp., above- ground biomass >70 tonnes/ha	0.3
112302	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
112401	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
112402	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
112501	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
112601	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
113301	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
113401	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
113701	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
113702	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
113801	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
113901	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
113902	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
114101	Conifers, above-ground biomass < 50 tonnes/ha	0.4
114102	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
114103	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
114201	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
114202	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
114301	Other broadleaf, above- ground biomass < 75 tonnes/ha	0.46
114302	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
114303	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
114401	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
114402	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
114403	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
114404	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
114405	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
114406	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
114601	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
114701	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
114702	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
115801	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
115802	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
115803	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
115901	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
115902	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
116001	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
116002	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
116101	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24

116201	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
116202	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
116301	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
116302	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
116303	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
116401	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
116402	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
116403	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
116601	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
116602	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
116701	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
116702	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
116801	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
116802	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
116901	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
116902	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
117001	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
117101	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
117102	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
117103	Other broadleaf, above- ground biomass 75-150 tonnes/ha	0.23
117104	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
117201	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
117202	Other broadleaf, above- ground biomass < 75 tonnes/ha	0.46
117401	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
117402	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
117501	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
117502	Other broadleaf, above- ground biomass < 75 tonnes/ha	0.46
117901	Quercus spp., above- ground biomass >70 tonnes/ha	0.3
117902	Quercus spp., above- ground biomass >70 tonnes/ha	0.3
118101	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
118102	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
118103	Conifers, above-ground biomass < 50 tonnes/ha	0.4
118104	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
118201	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
118202	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
118203	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
118301	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
118302	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
118401	Conifers, above-ground biomass < 50 tonnes/ha	0.4
118402	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
118403	Conifers, above-ground biomass 50-150 tonnes/ha	0.29

118501	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
118502	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
118601	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
118602	Other broadleaf, above- ground biomass 75-150 tonnes/ha	0.23
118701	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
118702	Quercus spp., above- ground biomass >70 tonnes/ha	0.3
118703	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
118704	Conifers, above-ground biomass < 50 tonnes/ha	0.4
118801	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
118802	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
118803	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
118901	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
118902	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
119001	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
119002	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
119101	Quercus spp., above- ground biomass >70 tonnes/ha	0.3
119201	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
119202	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
119401	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
119402	Quercus spp., above- ground biomass >70 tonnes/ha	0.3
119403	Other broadleaf, above- ground biomass < 75 tonnes/ha	0.46
119501	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
119502	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
119601	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
119602	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
119701	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
119702	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
119703	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
120001	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
120002	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
120101	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
120102	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
120201	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
120301	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
120302	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
120401	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
120402	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
120501	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
120502	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
120601	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
120602	Conifers, above-ground biomass 50-150 tonnes/ha	0.29

120801	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
120901	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
121201	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
121301	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
121302	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
121401	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
121601	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
121701	Quercus spp., above- ground biomass >70 tonnes/ha	0.3
121702	Quercus spp., above- ground biomass >70 tonnes/ha	0.3
121703	Quercus spp., above- ground biomass >70 tonnes/ha	0.3
121704	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
121705	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
121801	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
121802	Other broadleaf, above- ground biomass 75-150 tonnes/ha	0.23
121803	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
121804	Other broadleaf, above- ground biomass 75-150 tonnes/ha	0.23
121901	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
121902	Quercus spp., above- ground biomass >70 tonnes/ha	0.3
122001	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
122101	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
123901	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
124901	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
124902	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
125201	Quercus spp., above- ground biomass >70 tonnes/ha	0.3
125202	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
125203	Quercus spp., above- ground biomass >70 tonnes/ha	0.3
125601	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
125602	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
125801	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
125802	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
126101	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
126102	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
126201	Quercus spp., above- ground biomass >70 tonnes/ha	0.3
126202	Quercus spp., above- ground biomass >70 tonnes/ha	0.3
126203	Quercus spp., above- ground biomass >70 tonnes/ha	0.3
126204	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
126205	Conifers, above-ground biomass 50-150 tonnes/ha	0.29
126601	Quercus spp., above- ground biomass >70 tonnes/ha	0.3
126602	Quercus spp., above- ground biomass >70 tonnes/ha	0.3
126701	Other broadleaf, above- ground biomass < 75 tonnes/ha	0.46
127701	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24

127702	Other broadleaf, above- ground biomass >150 tonnes/ha	0.24
129301	Conifers, above-ground biomass 50-150 tonnes/ha	0.29

To calculate total carbon stocks in trees Equation 21 was used:

$$C_{tree_{i,sp,t}} = \sum_{j=1}^{S_{PS}} \left(C_{ABtre\ \ l,j,i,sp,t} + C_{BBtr\ \ \ l,j,i,sp,t} \right)$$

where:

$C_{treei,sp,t}$	Carbon stock in trees in plot sp of measurement stratum i at time t (t C)
$C_{aBtrel,j,l,sp,t}$	Carbon stock in above-ground biomass of tree l of species j in plot sp in measurement stratum i at time t (t C tree-1)
$C_{BBtrl,j,l,sp,t}$	Carbon stock in below-ground biomass of tree l of species j in plot sp in measurement stratum i at time t (t C tree-1)
i	1, 2, 3, …, MPS measurement strata in the project scenario
j	1, 2, 3, …, SPS tree species in the project scenario
t	1, 2, 3, …, t* years elapsed since the start of the IFM project activity

To calculate the carbon stocks in trees for each measurement stratum Equation 22 was used:

$$C_{tree,i,t} = \frac{A_i}{Asp_i} \sum_{sp=1}^{P_i} C_{tree,i,sp,t}$$

where:

$C_{tree,l,t}$	Carbon stock in trees in measurement stratum i at time t (t C)
$C_{tree,l,sp,t}$	Carbon stock in trees in plot sp of measurement stratum i at time t (t C)
Asp_i	Total area of all sample plots in measurement stratum i (ha)

A_i	Area of measurement stratum i (ha)
sp	1, 2, 3, …, Pi sample plots in measurement stratum i in the project scenario
i	1, 2, 3, …, MPS measurement strata in the project scenario
t	1, 2, 3, …, t* years elapsed since the start of the IFM project activity

To calculate the annual carbon stock changes in above-ground biomass of trees Equation 23 was used:

$$\Delta C_{AG,i,t} + \Delta C_{BG,i,t} = \frac{C_{tree,i,t_2} - C_{tree,i,t_1}}{T}$$

where:

$\Delta C_{AG,I,t}$	Annual carbon stock change in above-ground biomass of trees for measurement stratum i (tC yr-1)
$\Delta C_{BG,I,t}$	Annual carbon stock change in below-ground biomass of trees for measurement stratum i (tC yr-1)
$C_{tree,I,t}$	Carbon stock in trees in measurement stratum i at time t (t C)
T	Number of years between monitoring time t1 and t2 (T = t2 – t1) (yr)
i	1, 2, 3, …, MPS measurement strata in the project scenario
t	1, 2, 3, …, t* years elapsed since the start of the IFM project activity

Dead wood carbon and harvested wood carbon pools within the project were calculated in the same manner as the baseline. Information related to the calculation of dead wood and harvested wood carbon stocks is available in Section 5.1. Calculations of harvested wood carbon pools in PAIs where harvesting occurred during the monitoring period, can be found in Annex N.

From VM0003 Methodology section 8.5.2, Equation 35, the change in GHG emissions as a result of the implementation of the proposed IFM project activity within the project area was estimated as:

$$GHG_{PS,E} = \sum_{t=1}^{t^*} \left(E_{PS,BiomassBum,t} \right)$$

where:

$GHG_{PS,E}$	Greenhouse gas emissions as a result of forest management activities within the project area in the project scenario; tCO2e
$E_{PS,\ BiomassBurn,t}$	Non-CO2 emissions due to biomass burning as part of forest management during the year t in the project scenario; tCO2e
T	1, 2, 3 …t* years elapsed since the start of the IFM project activity

Because the only GHG emitting activity considered by the methodology is biomass burning, and no biomass burning has taken or will take place within the project area for the duration of the project, the emissions caused by the project are zero.

The volume and biomass equations and references were sourced from the US Forest Inventory & Analysis (FIA) program, which are also used in both the California Air Resources Board and Climate Action Reserve programs and are available on both of these programs' websites, listed in Annex I. Biomass equations were compiled in proprietary visual basic analysis (VBA) code in Microsoft Excel and data analysis software. Tree species, DBH, height, decay, and region-specific biomass equations were used to calculate carbon estimates in tonnes of CO2 equivalent. Carbon was only calculated for trees above 12.7 cm (5 in) at DBH and above.

Default values that were used within equations in Sections 5.1 and 5.2 are provided below:

Table 19: Equation Number

Equation Number	Default Name	Default Abbreviation	Default Value
32	Wood Waste Fraction	WW	0.19
33	Proportion of Remaining Wood Products Oxidized (sawnwood & paper)	OF	0.62
34	Short-lived proportion (sawnwood)	Slp (sawnwood)	0.12
34	Short-lived proportion (paper)	Slp (paper)	0.24
35	Short-lived proportion years 3 to 5 (sawnwood)	Slpadj (sawnwood)	0.08

35	Short-lived proportion years 3 to 5 (paper)	Slpadj (paper)	0.16

Project Emissions for Current Monitoring Period

To determine the project emissions for the current monitoring period the equations described above were used. Values were calculated for the start and end dates of the monitoring period and the difference was found.

Total project emissions for the current monitoring period are 143,884 tCO2e. All calculations related to project emissions are available in the ERR Calculation Spreadsheet (Annex AB), the model results workbook (Annex AC), and the project Treelist (Annex W).

The forest inventories conducted within all PAIs were performed between the beginning and end of Monitoring Period 3. All treelist values have undergone a QAQC procedure to verify accuracy as seen in Annex AL.

Project – Above and Belowground Living Carbon **(ΔC_AG + ΔC_BG, VM0003 Equation 23)**

ΔC_AG was calculated by summing the carbon (tC) contained in above ground living trees in each measurement stratum at the beginning and end of the Monitoring Period and finding the difference, see Annex W.

ΔC_BG was calculated by using a root-to-shoot ratio (R) defined by forest inventory per measurement strata, as seen in Section 4.1. R was multiplied by above ground living biomass to determine below ground living biomass. ΔC_AG was then summed from management strata into the associated measurement strata, see Annex AC. See section 5.1 for a description of the steps taken to aggregate management strata to relevant measurement strata.

Project – Above and Belowground Living Carbon **(ΔC_DW, VM0003 Equation 24)**

ΔC_DW contains two components: lying and standing dead wood. Standing dead wood carbon was estimated using inventory data contained in Annex W, summed by management stratum then summed again by measurement stratum (Annex AC). See section 5.1 for a description of the steps taken to aggregate management strata to relevant measurement strata. FIA biomass equations, which incorporate the decomposition class of the tree per the VM0003 Methodology, were used to calculate initial standing dead wood. To determine change in standing dead wood over the current monitoring period, FVS was used to forecast future standing dead wood carbon stocks over the next 100 years. This value was averaged over a 100-year time period (expressed as tCO2e/acre/year), Annex AC.

Lying dead wood is conservatively not being credited during this monitoring period but is an included pool and will be credited in future monitoring periods.

Harvests took place within two project activity instances enrolled within the project during this monitoring period. One harvest occurred within PAI 1032, and the other occurred in PAI 1144, both of which were FSC certified prior to the start of logging (Annex T). New measurement stratum were created in both PAIs (103203, 114403. 114404, 114405, 114406) encompassing the harvested area and a post-harvest inventory was conducted within the stratum boundaries adhering to procedures laid

out in section 4.3 Monitoring Plan. All materials and calculations related to the harvest are available in Annex N.

All final outputs from Annex AC associated with the project scenario were summarized by measurement stratum and converted into tC/acre, if necessary, by dividing by 44/12 prior to use within the ERR Calculation Spreadsheet, Annex AB.

5.2.1 Uncredited Reserve Stock

The project accounts for emissions from the implementation of limited harvesting as allowed by the policies of Forest Carbon Works which include continuous thinning, group selection and patch cuts for the purpose of maintaining forest health (IFM 1). These emissions shall be quantified based on measurements of stock change according to the measurement methods required by VM0003. Were the total project emissions as a result of harvesting as allowed by policy to exceed the quantity of the URS, such excess emissions would be accounted for in the selected carbon pools and Equation 12.

5.3 Leakage Emissions

Following the VM0003 methodology, leakage emissions were quantified as the GHG emissions due to market effects resulting from a shift in harvest through time. Leakage was estimated using VM0003 Methodology Section 8.6, Equation 39:

$$LK = LK_{MarketEffects}$$

where:

LK	Total GHG emissions due to leakage; tCO2e
$LK_{Market\ Effects}$	Total GHG emissions due to impacts of project on timber supply and demand (tCO2e)

Leakage due to market effects was calculated from VM0003 Methodology Section 8.6.1, Equation 41:

$$LK_{MarketEffects} = LF_{ME} * \left(\Delta C_{ACTUAL} - \Delta C_{BSL}\right)$$

where:

$LF_{MarketEffects}$	Total GHG emissions due to market- effects leakage through decreased timber harvest; t CO2-e
LF_{ME}	Leakage factor for market-effects calculations; dimensionless

The leakage factor (LF_{ME}) was determined by using regional FIA data for all PAIs and the locations to where harvesting would likely be displaced. Within each measurement stratum, the proportion of total biomass in merchantable species (PMP_i) was calculated and compared with the mean proportion of total merchantable biomass for each forest type (PML_{FT}). These calculations were carried out in Annex W. Values for the merchantable biomass as a proportion of total biomass by forest type (PML_{FT}) were obtained from section 9.1 of the VM0003 methodology.

Merchantable biomass is defined as total gross biomass (including bark) of a tree 12.7 cm (5 in) DBH or larger from a 30.48 cm (1-ft) stump to either the minimum of 10.2 cm (4 in) top DOB of the central stem or the highest merchantable height of the central stem. Trees were not considered merchantable if they were not a species commercially harvested in the region or had bole forms that would prevent efficient milling of wood products from taking place.

After PMP_i and PML_{FT} were calculated for each stratum, a leakage deduction factor (LF_{ME}) was applied to that stratum, determined by the relationship between PMP_i and PML_{FT}:

Where:

PML_{FT} is equal (∓ 15%) to PMP_i, LF_{ME}= 0.4

PML_{FT} is > 15% less than PMP_i, LF_{ME}= 0.7

PML_{FT} is >15% greater than PMP_i, LF_{ME}= 0.2

Where:

PML_{FT}	Mean merchantable biomass as a proportion of total aboveground tree biomass for each forest type; % (see Section 4.1)
PMP_i	Merchantable biomass as a proportion of total aboveground tree biomass for measurement stratum i within the project boundaries; % (see Section 4.2)
LF_{ME}	Leakage factor for market-effects calculations; dimensionless

Leakage Emissions for Current Monitoring Period

Following the procedures described above, LF_{ME} was determined for each measurement strata for the current monitoring period, see Annex W. Calculation of LF,ME required PML,FT and PMP,i values calculated in Annex W, tables for which are found in Section 4.2.

Table 20. Measurement strata and Associated Leakage Factor, Market Effects.

Measurement stratum	AG Biomass (t)	Merch Biomass (t)	PMP,i	PML,FT	Forest Type	PMP,i - PML,FT	LF,ME (%)
100701	210.97	68.91	33%	70%	Douglas Fir	-37%	20%
100702	109.34	32.51	30%	70%	Douglas Fir	-40%	20%
100703	0.00	0.00	0%	70%	Douglas Fir	-70%	20%
101101	10.15	0.43	4%	70%	Douglas Fir	-66%	20%
101102	9.50	0.00	0%	70%	Douglas Fir	-70%	20%
101103	0.00	0.00	0%	70%	Douglas Fir	-70%	20%
101104	2.85	0.74	26%	73%	Elm Ash Cottonwood	-47%	20%
101201	67.05	21.12	32%	76%	Maple Beech Birch	-44%	20%
101202	45.06	16.02	36%	73%	Oak Hickory	-37%	20%
101203	63.61	21.48	34%	73%	Oak Hickory	-39%	20%
101401	47.50	15.92	34%	73%	Oak Hickory	-39%	20%
101402	17.12	5.33	31%	73%	Oak Hickory	-42%	20%
101403	6.19	2.11	34%	71%	Oak Pine	-37%	20%
102301	1.61	0.77	48%	77%	White Red Jack Pine	-29%	20%
102302	0.53	0.23	44%	58%	Spruce Fir	-14%	40%
102303	0.06	0.02	41%	58%	Spruce Fir	-17%	20%
102401	5.52	0.00	0%	69%	Western Oak	-69%	20%
102402	76.20	18.19	24%	69%	Western Oak	-45%	20%
102501	0.00	0.00	0%	58%	Spruce Fir	-58%	20%
102502	2.91	1.65	57%	73%	Oak Hickory	-16%	20%
102601	8.63	2.14	25%	58%	Spruce Fir	-33%	20%
102602	1.50	0.30	20%	69%	Western Oak	-49%	20%
102603	1.49	0.16	11%	58%	Spruce Fir	-47%	20%
102701	9.33	2.71	29%	73%	Oak Hickory	-44%	20%
102702	3.83	1.12	29%	71%	Oak Pine	-42%	20%
102801	2.13	1.03	48%	77%	White Red Jack Pine	-29%	20%
102802	2.09	1.13	54%	77%	White Red Jack Pine	-23%	20%
102901	9.91	2.72	27%	69%	Western Oak	-42%	20%
102902	6.74	1.50	22%	70%	Douglas Fir	-48%	20%
103001	4.20	2.07	49%	73%	Oak Hickory	-24%	20%
103002	0.86	0.23	26%	58%	Spruce Fir	-32%	20%

103101	3.26	2.23	68%	71%	Oak Pine	-3%	40%
103102	0.28	0.18	65%	71%	Oak Pine	-6%	40%
103201	6.92	4.37	63%	76%	Maple Beech Birch	-13%	40%
103202	1.31	0.70	54%	76%	Maple Beech Birch	-22%	20%
103301	20.90	5.52	26%	76%	Maple Beech Birch	-50%	20%
103302	7.93	1.86	23%	62%	Fir-Spruce/Mountain Hemlock	-39%	20%
103401	1.08	0.18	16%	64%	Ponderosa Pine	-48%	20%
103402	0.74	0.08	11%	64%	Ponderosa Pine	-53%	20%
103501	10.61	3.21	30%	76%	Maple Beech Birch	-46%	20%
103502	5.13	1.17	23%	77%	White Red Jack Pine	-54%	20%
103601	27.91	8.12	29%	70%	Douglas Fir	-41%	20%
103701	6.63	2.10	32%	76%	Maple Beech Birch	-44%	20%
103702	12.30	3.20	26%	76%	Maple Beech Birch	-50%	20%
103801	12.70	4.20	33%	71%	Oak Pine	-38%	20%
103802	10.91	4.14	38%	71%	Oak Pine	-33%	20%
103901	13.14	4.08	31%	76%	Maple Beech Birch	-45%	20%
103902	1.78	0.60	34%	76%	Maple Beech Birch	-42%	20%
104001	10.08	3.00	30%	72%	Oak Gum Cypress	-42%	20%
104101	16.28	4.06	25%	71%	Oak Pine	-46%	20%
104201	7.33	2.68	37%	73%	Oak Hickory	-36%	20%
104202	12.00	4.07	34%	73%	Oak Hickory	-39%	20%
104301	0.34	0.07	22%	62%	Fir-Spruce/Mountain Hemlock	-40%	20%
104302	3.68	0.94	26%	62%	Fir-Spruce/Mountain Hemlock	-36%	20%
104303	4.81	1.62	34%	76%	Maple Beech Birch	-42%	20%
104401	7.53	2.00	27%	76%	Maple Beech Birch	-49%	20%
104402	11.09	3.64	33%	62%	Fir-Spruce/Mountain Hemlock	-29%	20%
104601	6.92	2.19	32%	73%	Elm Ash Cottonwood	-41%	20%
104701	17.11	6.33	37%	73%	Oak Hickory	-36%	20%
104801	13.28	3.81	29%	73%	Oak Hickory	-44%	20%
104802	8.85	3.24	37%	73%	Oak Hickory	-36%	20%
104803	7.22	1.69	23%	76%	Maple Beech Birch	-53%	20%
104901	1.45	0.23	16%	58%	Spruce Fir	-42%	20%
104902	0.68	0.07	11%	58%	Spruce Fir	-47%	20%
104903	0.95	0.25	27%	58%	Spruce Fir	-31%	20%

104904	1.40	0.27	19%	58%	Spruce Fir	-39%	20%
105001	11.80	3.82	32%	73%	Oak Hickory	-41%	20%
105002	1.82	0.52	28%	77%	White Red Jack Pine	-49%	20%
105101	8.67	1.74	20%	71%	Oak Pine	-51%	20%
105102	6.03	1.77	29%	73%	Loblolly Shortleaf Pine	-44%	20%
105201	3.91	0.86	22%	58%	Spruce Fir	-36%	20%
105202	5.63	1.32	23%	77%	White Red Jack Pine	-54%	20%
105301	2.35	0.50	22%	76%	Maple Beech Birch	-54%	20%
105302	8.17	2.27	28%	76%	Maple Beech Birch	-48%	20%
105401	9.77	6.84	70%	76%	Maple Beech Birch	-6%	40%
105402	1.56	1.10	71%	76%	Maple Beech Birch	-5%	40%
105501	6.07	3.72	61%	73%	Oak Hickory	-12%	40%
105601	5.82	1.64	28%	71%	Oak Pine	-43%	20%
105602	6.91	2.38	35%	73%	Oak Hickory	-38%	20%
105603	5.27	1.54	29%	71%	Oak Pine	-42%	20%
105701	6.91	3.57	52%	73%	Oak Hickory	-21%	20%
105702	0.57	0.16	28%	73%	Elm Ash Cottonwood	-45%	20%
105801	6.88	2.14	31%	73%	Oak Hickory	-42%	20%
105802	11.54	3.77	33%	62%	Fir-Spruce/Mountain Hemlock	-29%	20%
105803	13.06	4.45	34%	76%	Maple Beech Birch	-42%	20%
105901	91.19	25.31	28%	70%	Douglas Fir	-42%	20%
106001	35.16	10.68	30%	73%	Loblolly Shortleaf Pine	-43%	20%
106101	1.45	0.66	46%	61%	Aspen Birch	-15%	20%
106102	0.39	0.18	46%	61%	Aspen Birch	-15%	20%
106103	0.08	0.03	45%	66%	Western larch	-21%	20%
106201	5.66	1.36	24%	76%	Maple Beech Birch	-52%	20%
106202	19.43	6.00	31%	73%	Oak Hickory	-42%	20%
106301	16.25	4.88	30%	70%	Douglas Fir	-40%	20%
106302	33.34	10.48	31%	70%	Douglas Fir	-39%	20%
106401	6.27	1.48	24%	62%	Fir-Spruce/Mountain Hemlock	-38%	20%
106501	28.56	6.76	24%	67%	Hemlock/Sitka Spruce	-43%	20%
106502	1.75	0.53	30%	67%	Hemlock/Sitka Spruce	-37%	20%
106601	7.89	2.08	26%	58%	Spruce Fir	-32%	20%
106602	1.62	0.19	12%	58%	Spruce Fir	-46%	20%
106701	8.47	2.61	31%	76%	Maple Beech Birch	-45%	20%

106702	3.25	1.05	32%	76%	Maple Beech Birch	-44%	20%
106801	6.73	2.13	32%	76%	Maple Beech Birch	-44%	20%
106802	8.10	1.86	23%	62%	Fir-Spruce/Mountain Hemlock	-39%	20%
106901	19.48	4.04	21%	70%	Douglas Fir	-49%	20%
106902	1.72	0.51	30%	70%	Douglas Fir	-40%	20%
106903	2.13	0.56	26%	70%	Douglas Fir	-44%	20%
107001	2.24	0.61	27%	70%	Douglas Fir	-43%	20%
107002	4.21	1.22	29%	70%	Douglas Fir	-41%	20%
107101	2.16	1.20	56%	76%	Maple Beech Birch	-20%	20%
107102	5.72	2.14	37%	58%	Spruce Fir	-21%	20%
107103	1.59	0.87	55%	76%	Maple Beech Birch	-21%	20%
107104	0.76	0.45	59%	77%	White Red Jack Pine	-18%	20%
107401	21.24	6.70	32%	73%	Oak Hickory	-41%	20%
107402	6.38	2.17	34%	73%	Oak Hickory	-39%	20%
107403	1.64	0.53	33%	73%	Loblolly Shortleaf Pine	-40%	20%
107901	10.54	3.88	37%	72%	Oak Gum Cypress	-35%	20%
108001	18.44	5.69	31%	72%	Oak Gum Cypress	-41%	20%
108201	13.13	3.94	30%	76%	Maple Beech Birch	-46%	20%
108202	1.59	0.54	34%	76%	Maple Beech Birch	-42%	20%
108301	8.88	2.86	32%	76%	Maple Beech Birch	-44%	20%
108302	11.28	3.62	32%	76%	Maple Beech Birch	-44%	20%
108401	19.76	8.15	41%	69%	Western Oak	-28%	20%
108402	2.67	0.80	30%	69%	Western Oak	-39%	20%
108501	4.79	2.76	58%	73%	Oak Hickory	-15%	20%
108601	13.78	4.30	31%	76%	Maple Beech Birch	-45%	20%
108701	18.04	5.18	29%	70%	Douglas Fir	-41%	20%
108702	12.89	3.46	27%	70%	Douglas Fir	-43%	20%
108801	18.77	5.76	31%	73%	Oak Hickory	-42%	20%
108901	1.98	0.72	36%	58%	Spruce Fir	-22%	20%
108902	2.69	1.09	41%	76%	Maple Beech Birch	-35%	20%
109001	20.06	8.12	40%	69%	Western Oak	-29%	20%
109002	16.22	5.57	34%	69%	Western Oak	-35%	20%
109101	17.64	5.51	31%	76%	Maple Beech Birch	-45%	20%
109201	28.94	10.86	38%	73%	Oak Hickory	-35%	20%
109301	44.69	13.06	29%	76%	Maple Beech Birch	-47%	20%
109302	20.26	6.68	33%	76%	Maple Beech Birch	-43%	20%
109401	3.54	1.12	32%	76%	Maple Beech Birch	-44%	20%
109402	16.65	5.28	32%	76%	Maple Beech Birch	-44%	20%
109501	23.86	7.90	33%	73%	Oak Hickory	-40%	20%

109701	8.34	2.68	32%	76%	Maple Beech Birch	-44%	20%
109702	2.08	0.58	28%	73%	Oak Hickory	-45%	20%
109901	7.41	1.87	25%	61%	Aspen Birch	-36%	20%
109902	8.72	2.28	26%	76%	Maple Beech Birch	-50%	20%
109903	13.70	4.41	32%	73%	Oak Hickory	-41%	20%
109904	11.21	3.56	32%	73%	Oak Hickory	-41%	20%
110001	8.76	2.84	32%	76%	Maple Beech Birch	-44%	20%
110002	9.05	2.84	31%	73%	Oak Hickory	-42%	20%
110003	3.57	1.10	31%	73%	Oak Hickory	-42%	20%
110101	20.03	5.87	29%	73%	Oak Hickory	-44%	20%
110102	10.61	3.45	32%	76%	Maple Beech Birch	-44%	20%
110201	8.15	1.99	24%	73%	Elm Ash Cottonwood	-49%	20%
110202	0.19	0.04	20%	58%	Spruce Fir	-38%	20%
110301	0.94	0.17	18%	76%	Maple Beech Birch	-58%	20%
110302	1.73	0.09	5%	73%	Loblolly Shortleaf Pine	-68%	20%
110303	2.82	0.66	23%	73%	Loblolly Shortleaf Pine	-50%	20%
110401	2.94	0.93	32%	73%	Oak Hickory	-41%	20%
110402	9.80	3.37	34%	73%	Oak Hickory	-39%	20%
110501	0.32	0.17	54%	77%	White Red Jack Pine	-23%	20%
110502	2.93	1.60	55%	61%	Aspen Birch	-6%	40%
110503	5.89	2.31	39%	58%	Spruce Fir	-19%	20%
110504	2.39	1.16	48%	76%	Maple Beech Birch	-28%	20%
110701	13.75	4.03	29%	70%	Douglas Fir	-41%	20%
110702	7.08	2.16	30%	70%	Douglas Fir	-40%	20%
110801	0.51	0.26	51%	61%	Aspen Birch	-10%	40%
110802	0.80	0.48	61%	73%	Elm Ash Cottonwood	-12%	40%
110803	0.04	0.01	34%	61%	Aspen Birch	-27%	20%
110901	13.12	4.44	34%	73%	Elm Ash Cottonwood	-39%	20%
111001	13.60	4.66	34%	73%	Oak Hickory	-39%	20%
111101	5.88	1.80	31%	76%	Maple Beech Birch	-45%	20%
111102	8.76	2.64	30%	76%	Maple Beech Birch	-46%	20%
111201	7.67	2.09	27%	76%	Maple Beech Birch	-49%	20%
111202	4.58	1.16	25%	73%	Elm Ash Cottonwood	-48%	20%
111301	8.53	3.60	42%	69%	Western Oak	-27%	20%
111401	7.68	2.47	32%	76%	Maple Beech Birch	-44%	20%
111402	7.56	1.77	23%	77%	White Red Jack Pine	-54%	20%
111403	5.61	1.38	25%	77%	White Red Jack Pine	-52%	20%
111501	5.68	1.69	30%	76%	Maple Beech Birch	-46%	20%
111502	2.69	0.72	27%	76%	Maple Beech Birch	-49%	20%
111601	5.94	1.43	24%	61%	Aspen Birch	-37%	20%
111602	2.56	0.61	24%	61%	Aspen Birch	-37%	20%

111701	4.70	1.63	35%	73%	Oak Hickory	-38%	20%
111702	13.61	4.57	34%	73%	Oak Hickory	-39%	20%
111801	5.56	1.75	31%	73%	Loblolly Shortleaf Pine	-42%	20%
111802	0.00	0.00	0%	73%	Loblolly Shortleaf Pine	-73%	20%
111803	2.70	0.86	32%	71%	oak pine	-39%	20%
111901	25.27	9.11	36%	73%	Oak Hickory	-37%	20%
112001	9.62	3.39	35%	71%	oak pine	-36%	20%
112002	2.22	0.72	33%	73%	Loblolly Shortleaf Pine	-40%	20%
112101	9.82	3.02	31%	73%	Oak Hickory	-42%	20%
112102	26.07	8.77	34%	73%	Oak Hickory	-39%	20%
112201	23.76	2.30	10%	70%	Douglas Fir	-60%	20%
112202	4.73	0.86	18%	70%	Douglas Fir	-52%	20%
112301	4.92	1.55	31%	73%	Oak Hickory	-42%	20%
112302	6.12	2.11	34%	73%	Oak Hickory	-39%	20%
112401	1.83	0.88	48%	77%	White Red Jack Pine	-29%	20%
112402	2.90	1.53	53%	71%	Oak Pine	-18%	20%
112501	0.45	0.10	22%	58%	Spruce Fir	-36%	20%
112601	12.98	4.07	31%	76%	Maple Beech Birch	-45%	20%
113301	17.04	5.49	32%	76%	Maple Beech Birch	-44%	20%
113401	15.99	4.73	30%	76%	Maple Beech Birch	-46%	20%
113701	20.07	6.51	32%	76%	Maple Beech Birch	-44%	20%
113702	6.88	1.93	28%	77%	White Red Jack Pine	-49%	20%
113801	0.00	0.00	0%	61%	Aspen Birch	-61%	20%
113901	1.55	0.24	15%	70%	Douglas Fir	-55%	20%
113902	3.58	0.96	27%	70%	Douglas Fir	-43%	20%
114101	0.39	0.13	35%	73%	Loblolly Shortleaf Pine	-38%	20%
114102	14.42	4.64	32%	73%	Loblolly Shortleaf Pine	-41%	20%
114103	1.76	0.51	29%	72%	Oak Gum Cypress	-43%	20%
114201	5.31	1.85	35%	76%	Maple Beech Birch	-41%	20%
114202	11.89	3.77	32%	73%	Oak Hickory	-41%	20%
114301	0.34	0.08	22%	58%	Spruce Fir	-36%	20%
114302	4.45	1.41	32%	58%	Spruce Fir	-26%	20%
114303	6.01	2.19	36%	73%	Oak Hickory	-37%	20%
114401	57.12	21.24	37%	73%	Oak Hickory	-36%	20%
114402	13.33	4.30	32%	73%	Loblolly Shortleaf Pine	-41%	20%
114403	0	0	0%	73%	Oak Hickory	-73%	20%
114404	0	0	0%	73%	Oak Hickory	-73%	20%
114405	0	0	0%	73%	Loblolly Shortleaf Pine	-73%	20%
114406	0	0	0%	73%	Loblolly Shortleaf Pine	-73%	20%
114601	11.13	3.71	33%	73%	Loblolly Shortleaf Pine	-40%	20%
114701	5.32	1.18	22%	77%	White Red Jack Pine	-55%	20%

114702	2.00	0.70	35%	71%	oak pine	-36%	20%
115801	2.85	1.78	63%	73%	Elm Ash Cottonwood	-10%	40%
115802	1.62	0.87	54%	73%	Elm Ash Cottonwood	-19%	20%
115803	2.72	1.49	55%	73%	Elm Ash Cottonwood	-18%	20%
115901	2.96	0.93	31%	73%	Loblolly Shortleaf Pine	-42%	20%
115902	0.91	0.30	33%	73%	Loblolly Shortleaf Pine	-40%	20%
116001	14.27	5.34	37%	77%	White Red Jack Pine	-40%	20%
116002	3.58	1.01	28%	71%	Oak Pine	-43%	20%
116101	10.97	3.66	33%	72%	Oak Gum Cypress	-39%	20%
116201	6.39	1.86	29%	73%	Oak Hickory	-44%	20%
116202	5.58	1.95	35%	73%	Elm Ash Cottonwood	-38%	20%
116301	4.14	1.13	27%	70%	Douglas Fir	-43%	20%
116302	0.00	0.00	0%	70%	Douglas Fir	-46%	20%
116303	2.87	0.79	27%	64%	Ponderosa Pine	-37%	20%
116401	9.91	2.59	26%	77%	White Red Jack Pine	-51%	20%
116402	24.24	6.94	29%	76%	Maple Beech Birch	-47%	20%
116403	47.65	15.13	32%	76%	Maple Beech Birch	-44%	20%
116601	11.87	3.25	27%	67%	Hemlock/Sitka Spruce	-40%	20%
116602	17.98	4.83	27%	67%	Hemlock/Sitka Spruce	-40%	20%
116701	11.35	3.23	28%	77%	White Red Jack Pine	-49%	20%
116702	3.59	1.20	33%	76%	Maple Beech Birch	-43%	20%
116801	5.31	1.33	25%	73%	Oak Hickory	-48%	20%
116802	6.75	2.37	35%	76%	Maple Beech Birch	-41%	20%
116901	10.78	3.83	35%	76%	Maple Beech Birch	-41%	20%
116902	1.85	0.58	31%	76%	Maple Beech Birch	-45%	20%
117001	3.63	1.50	41%	61%	Aspen Birch	-20%	20%
117101	2.17	1.09	50%	61%	Aspen Birch	-11%	40%
117102	0.45	0.22	49%	58%	Spruce Fir	-9%	40%
117103	1.14	0.46	40%	58%	Spruce Fir	-18%	20%
117104	1.75	0.89	51%	76%	Maple Beech Birch	-25%	20%
117201	2.26	1.34	59%	73%	Oak Hickory	-14%	40%
117202	0.19	0.10	51%	71%	Oak Pine	-20%	20%
117401	2.36	0.88	37%	73%	Oak Hickory	-36%	20%
117402	8.49	2.83	33%	73%	Oak Hickory	-40%	20%
117501	2.80	0.92	33%	73%	Oak Hickory	-40%	20%
117502	0.00	0.00	0%	76%	Maple Beech Birch	-76%	20%
117801	13.38	4.52	34%	73%	Loblolly Shortleaf Pine	-39%	20%
117901	9.97	3.43	34%	73%	Oak Hickory	-39%	20%
117902	4.08	1.35	33%	73%	Oak Hickory	-40%	20%
118101	2.65	0.82	31%	73%	Loblolly Shortleaf Pine	-42%	20%
118102	7.20	2.58	36%	73%	Loblolly Shortleaf Pine	-37%	20%

118103	0.23	0.07	29%	73%	Loblolly Shortleaf Pine	-44%	20%
118104	10.20	3.44	34%	73%	Loblolly Shortleaf Pine	-39%	20%
118201	44.77	12.14	27%	70%	Douglas Fir	-43%	20%
118202	126.67	29.37	23%	67%	Hemlock/Sitka Spruce	-44%	20%
118203	0.00	0.00	0%	67%	Hemlock/Sitka Spruce	-67%	20%
118301	12.37	0.37	3%	70%	Douglas Fir	-67%	20%
118302	6.74	1.17	17%	69%	Western Oak	-52%	20%
118401	0.11	0.04	33%	73%	Loblolly Shortleaf Pine	-40%	20%
118402	5.16	1.45	28%	73%	Loblolly Shortleaf Pine	-45%	20%
118403	3.03	1.02	34%	73%	Loblolly Shortleaf Pine	-39%	20%
118501	8.57	2.96	35%	73%	Oak Hickory	-38%	20%
118502	4.40	1.44	33%	73%	Loblolly Shortleaf Pine	-40%	20%
118601	14.21	4.52	32%	71%	oak pine	-39%	20%
118602	1.20	0.39	33%	73%	Oak Hickory	-40%	20%
118701	9.22	3.13	34%	73%	Loblolly Shortleaf Pine	-39%	20%
118702	2.07	0.76	37%	73%	Oak Hickory	-36%	20%
118703	1.52	0.51	33%	73%	Loblolly Shortleaf Pine	-40%	20%
118704	0.16	0.05	33%	73%	Loblolly Shortleaf Pine	-40%	20%
118801	12.13	3.92	32%	70%	Douglas Fir	-38%	20%
118802	7.42	2.26	31%	69%	Western Oak	-38%	20%
118803	3.33	0.89	27%	69%	Western Oak	-42%	20%
118901	3.24	0.97	30%	76%	Maple Beech Birch	-46%	20%
118902	6.73	2.03	30%	73%	Oak Hickory	-43%	20%
119001	9.13	1.84	20%	77%	White Red Jack Pine	-57%	20%
119002	13.87	4.49	32%	76%	Maple Beech Birch	-44%	20%
119101	8.60	1.95	23%	72%	Oak Gum Cypress	-49%	20%
119201	2.15	0.49	23%	58%	Spruce Fir	-35%	20%
119202	4.71	1.29	27%	58%	Spruce Fir	-31%	20%
119401	1.27	0.42	33%	72%	Oak Gum Cypress	-39%	20%
119402	9.15	3.08	34%	72%	Oak Gum Cypress	-38%	20%
119403	0.52	0.11	21%	76%	Maple Beech Birch	-55%	20%
119501	13.33	3.97	30%	76%	Maple Beech Birch	-46%	20%
119502	9.02	2.52	28%	73%	Elm Ash Cottonwood	-45%	20%
119601	1.68	0.47	28%	73%	Loblolly Shortleaf Pine	-45%	20%
119602	9.44	3.07	33%	73%	Loblolly Shortleaf Pine	-40%	20%
119701	2.81	0.95	34%	73%	Oak Hickory	-39%	20%
119702	1.69	0.60	36%	73%	Longleaf Slash Pine	-37%	20%
119703	6.39	2.04	32%	72%	Oak Gum Cypress	-40%	20%
120001	14.60	5.02	34%	76%	Maple Beech Birch	-42%	20%

120002	1.37	0.33	24%	76%	Maple Beech Birch	-52%	20%
120101	6.68	1.92	29%	77%	White Red Jack Pine	-48%	20%
120102	10.73	2.85	27%	77%	White Red Jack Pine	-50%	20%
120201	7.36	4.09	56%	73%	Oak Hickory	-17%	20%
120301	5.63	1.68	30%	76%	Maple Beech Birch	-46%	20%
120302	12.05	2.88	24%	77%	White Red Jack Pine	-53%	20%
120401	4.57	1.26	28%	70%	Douglas Fir	-42%	20%
120402	3.30	1.02	31%	70%	Douglas Fir	-39%	20%
120501	14.13	4.65	33%	76%	Maple Beech Birch	-43%	20%
120502	1.74	0.62	36%	71%	Oak Pine	-35%	20%
120601	0.52	0.13	25%	64%	Ponderosa Pine	-39%	20%
120602	4.88	1.24	25%	64%	Ponderosa Pine	-39%	20%
120801	22.13	5.58	25%	73%	Oak Hickory	-48%	20%
120901	18.74	6.35	34%	73%	Oak Hickory	-39%	20%
121201	13.75	4.77	35%	73%	Oak Hickory	-38%	20%
121301	2.52	0.87	35%	73%	Oak Hickory	-38%	20%
121302	8.33	2.51	30%	71%	Oak Pine	-41%	20%
121401	18.71	5.95	32%	76%	Maple Beech Birch	-44%	20%
121601	11.40	3.70	32%	76%	Maple Beech Birch	-44%	20%
121701	6.02	2.07	34%	73%	Oak Hickory	-39%	20%
121702	4.67	1.20	26%	71%	Oak Pine	-45%	20%
121703	8.35	2.81	34%	73%	Oak Hickory	-39%	20%
121704	1.41	0.28	20%	71%	Oak Pine	-51%	20%
121705	0.58	0.20	35%	73%	Loblolly Shortleaf Pine	-38%	20%
121801	15.37	5.16	34%	76%	Maple Beech Birch	-42%	20%
121802	1.20	0.36	30%	76%	Maple Beech Birch	-46%	20%
121803	4.43	1.20	27%	76%	Maple Beech Birch	-49%	20%
121804	0.88	0.24	28%	73%	Elm Ash Cottonwood	-45%	20%
121901	15.77	4.88	31%	73%	Oak Hickory	-42%	20%
121902	4.67	1.36	29%	76%	Maple Beech Birch	-47%	20%
122001	23.23	8.16	35%	72%	Oak Gum Cypress	-37%	20%
122101	25.02	6.23	25%	70%	Douglas Fir	-45%	20%
123901	25.88	8.87	34%	76%	Maple Beech Birch	-42%	20%
124901	6.04	1.51	25%	70%	Douglas Fir	-45%	20%
124902	2.35	0.55	23%	58%	Spruce Fir	-35%	20%
125201	6.77	2.64	39%	71%	Oak Pine	-38%	20%
125202	3.53	1.17	33%	71%	Oak Pine	-38%	20%
125203	8.99	3.21	36%	71%	Oak Pine	-35%	20%
125601	7.38	2.23	30%	76%	Maple Beech Birch	-46%	20%

125602	1.24	0.26	21%	73%	Elm Ash Cottonwood	-52%	20%
125801	6.67	1.94	29%	77%	White Red Jack Pine	-48%	20%
125802	8.23	2.50	30%	76%	Maple Beech Birch	-46%	20%
126101	14.75	4.83	33%	76%	Maple Beech Birch	-43%	20%
126102	5.58	1.76	32%	76%	Maple Beech Birch	-44%	20%
126201	4.15	1.29	31%	71%	Oak Pine	-40%	20%
126202	1.13	0.36	32%	71%	Oak Pine	-39%	20%
126203	2.81	0.96	34%	71%	Oak Pine	-37%	20%
126204	2.91	0.96	33%	71%	Oak Pine	-38%	20%
126205	3.26	0.75	23%	77%	White Red Jack Pine	-54%	20%
126601	10.43	3.62	35%	73%	Oak Hickory	-38%	20%
126602	0.44	0.15	35%	73%	Oak Hickory	-38%	20%
126701	10.55	3.90	37%	73%	Oak Hickory	-36%	20%
127701	11.24	3.74	33%	73%	Oak Hickory	-40%	20%
127702	7.25	2.35	32%	76%	Maple Beech Birch	-44%	20%
129301	12.30	3.30	27%	64%	Ponderosa Pine	-37%	20%

Per applicability condition 8 of the VM0003 methodology, the project must not have any leakage because of activity shifting to lands owned by the project proponent that are outside the project area. Per Eligibility Criteria 2d, there was not and will not be leakage due to activity shifting. The project proponent (FCW) does not own any lands, forested or otherwise. The landowner(s) of associated PAI(s) at the time of verification have enrolled all forested lands in their ownership, per the signed agreement found in Annex D. The project proponent performed further diligence checks of PAI landowner(s) for any other eligible forested land using geospatial analysis and publicly available land ownership data. The diligence check conducted by the project proponent (Annex AT) did not identify other eligible forestlands owned by the landowner(s) of each PAI. This confirms that there was no activity shifting leakage because the project proponent and landowners do not have any unenrolled forested lands to shift harvesting onto.

For the purposes of defining forestland, the Food and Agriculture Organization of the United Nations (FAO) definition (Annex K, 1a) was used. Per the FAO definition, land used predominantly under agricultural or urban land use was not considered forested and may be considered as “Other land with Tree Cover” (Annex K, 1f). Land use is the key criteria for distinguishing between forest (1a) and other land with tree cover (1f). Agricultural, urban, and residential land uses are considered “Other land with tree cover” (1f).

Market leakage assessments occurred at validation and verification and the appropriate market leakage discount factor was applied (VCS Standards 3.15.8 & 3.15.9).

Leakage Emissions for Current Monitoring Period

To determine the leakage emissions for the current monitoring period the equations described above were used. Total leakage emissions for the current monitoring period are 32,206 tCO2e.

Uncredited Reserve Stock

As the policies of Forest Carbon Works limit harvesting to continuous thinning, group selection and patch cuts as the project technology and measure under ERA, and accounting for related harvest emissions from the URS must be in accordance with the policy, then no activity shifting leakage of harvesting in the baseline scenario is possible. The limited harvest emissions associated with the URS are generated by the project technologies and measures

5.4 GHG Emission Reductions and Carbon Dioxide Removals

The net anthropogenic GHG reductions and removals were calculated with equation 42 of the VM0003 Methodology:

$$C_{IFM} = \Delta C_{ACTUAL} - \Delta C_{BSL} - LK$$

Where:

C_{IFM}	Net anthropogenic greenhouse gas reductions and removals (tCO2e)
ΔC_{ACTUAL}	Change in actual net greenhouse gas removals by sinks (tCO2e) during the current monitoring period
ΔC_{BSL}	Change in baseline net greenhouse gas removals by sinks (tCO2e) during the current monitoring period
LK	Total GHG emissions due to leakage (tCO2e)

Reductions are derived from the change in baseline carbon stocks after accounting for leakage and uncertainty deductions during the monitoring period. Removals are calculated by finding the change project carbon stocks after accounting for leakage, and uncertainty deductions during the monitoring period. All calculations are available for view in the ERR Calculation Spreadsheet (Annex AB).

Total uncertainty of the project was calculated by using equation 43 of the VM0003 Methodology:

$$C_{IFM\_ERROR} = \sqrt{Uncertainty_{BSL}{}^2 + Uncertainty_P{}^2}$$

Where:

C_{IFM_ERROR}	Total uncertainty for IFM project (%)
$Uncertainty_{BSL}$	Total uncertainty in baseline scenario (%)
$Uncertainty_{P}$	Total uncertainty in the with-project scenario (%)

Per Section 4.4.1 of the Project Description, measurement stratum-level sampling variances were combined to a single project-level sampling variance. No deductions for uncertainty were taken during this monitoring period as C_{IFM_ERROR} was found to be less than 10%. Per the VM0003 Methodology, if C_{IFM_ERROR} is less than or equal to 10 percent of $C_{IFM,}$ there is no deduction for uncertainty.

To estimate the amount of VCUs to be issued for this monitoring period equation 46 of the VM0003 Methodology was used:

$$VCUs = \left(C_{IFM,t_2} - C_{IFM,t_1}\right) - BRR$$

Where:

VCUs	Number of Verified Carbon Units
$C_{IFM,t2}$	Net anthropogenic greenhouse gas removals by sinks, as estimated for t* = t2 (t CO2e)
$C_{IFM,t1}$	Net anthropogenic greenhouse gas removals by sinks, as estimated for t* = t1 (t CO2e)
BRR	Portion of carbon credits to be withheld as a buffer reserve

As described above, all ex-post calculations for the following values can be found in provided workbooks: Annex W, Annex AC, or Annex AD. Baseline, Project, and Net GHG emissions reductions and/or removals were calculated within the ERR Calculation Spreadsheet in Visual Basic for Applications (VBA) in Annex AB.

Management strata with no harvesting in both the baseline and project management systems do not contribute to crediting from harvesting as carbon stocks are identical between the project and baseline scenarios, as demonstrated by the project and baseline models (see Annex AA). These management

strata are included in the project area to satisfy requirements related to the prevention of activity-shifting leakage, per eligibility criterion 2d (section 3.3). Applicable management strata are denoted with an asterisk in Management Strata, Table 14, in Section 5.

Baseline inputs required to run the ERR Calculation Spreadsheet included:

- ΔC_BSL,tree,i,t
- ΔC_BSL,DW,i,t
- ΔC_BSL,WP,i,t
- Monitoring period length
- Ratio of molecular weight of CO2 to carbon
- Acreage

Equations 3, 4, and 5 from VM0003 Methodology v1.3 were used to convert the inputs to ΔC_BSL,tree; ΔC_BSL,DW; and ΔC_BSL,WP. Equation 2 was subsequently used to calculate the value of ΔC_BSL,P. Because there were no greenhouse gas emissions as a result of forest management activities within the baseline scenario, GHG_BSL,E was equal to zero and ΔC_BSL,P = ΔC_BSL, per equation 1.

Ex-post project emissions reductions and/or removals required inputs for ΔC,tree,i,t; ΔC,DW,i,t; ΔC,WP,i,t; monitoring period length, ratio of molecular weight of CO2 to carbon, and acreage. ΔC,t was calculated using Equation 12 from the VM0003 Methodology v1.3 and the inputs described above. Equation 11 was subsequently used to calculate the value of ΔC,P by converting ΔC,t to tCO2e. Because there were no greenhouse gas emissions as a result of forest management activities within the project area during Monitoring Period 3, GHG,E was equal to zero and ΔC,P = ΔC,actual, per equation 10.

Ex-post leakage was also calculated within the ERR Calculation Spreadsheet in Visual Basic for Applications (VBA) in Annex AB. The inputs required were ΔC,BSL, which was previously calculated using Equation 1 from the VM0003 Methodology v1.3; ΔC,actual, which was previously calculated using Equation 10; PMPi, the merchantable biomass as a proportion of total above ground tree biomass for measurement stratum *i* within the project boundaries; and PML,ft, the mean merchantable biomass as a proportion of total above ground tree biomass for each forest type. PMPi was determined using the treelist in Annex W. The total merchantable biomass in the project area was divided by the total gross biomass in the project area. PML,ft was determined using the Data/Parameter table for PML,ft in VM0003 Methodology v1.3 Section 9.1 to assign a default value for percent of merchantable biomass to each forest type in the project area (See Table 18). LF,me was calculated using PMP,i and PML,ft as inputs for the process detailed below Equation 42. Equation 42 was then used with the inputs ΔC,BSL, ΔC,actual, and the LF,me value to calculate LK,Market Effects. As Market Effects is equal to Leakage per Equation 40, this provides the final leakage value for the monitoring period.

Ex-post net GHG emissions reductions and/or removals required inputs for ΔC,actual, which was previously calculated in VM0003 Methodology v1.3 Equation 10; ΔC, BSL, which was previously

calculated in Equation 1; Leakage, which was previously calculated in Equation 40; and baseline and project uncertainty (UNC,P and UNC,BSL). Uncertainty in the baseline and project scenarios was determined to be the square root of the summed errors in each of the measurement pools, weighted by the size of the pool. C,IFM_Error was calculated using Equation 46 and the UNC,P and UNC, BSL values. Equation 47 was subsequently used to determine if the uncertainty deduction and discount factor were applicable to the determination of net GHG emissions reductions and/or removals and were used to calculate CIFM,adjusted. Because CIFM_Error is less than 10% this monitoring period for the Family Forest Carbon Project, no discount factor was applied.

Ex-post buffer pool allocations were calculated using the BRR, the portion of carbon credits to be withheld as a buffer reserve in the VCS AFOLU buffer account, thus replaced with like-for-like credits. The BRR for the project was determined to be 12% of net GHG emission reductions or removals. This was determined via the use of the VCS Tool for AFOLU Non-Permanence Risk Analysis and Buffer Determination, which can be found in Annex V and the Verra Project Hub. Internal, external, and natural risks were considered in the project's risk analysis and the BRR was acreage-weighted across all PAIs. The BRR was multiplied by the net GHG emissions reductions or removals (tCO2e) to find the number of credits allocated to the buffer pool for the project in each monitoring period.

Separate Calculation of Reductions and Removals

Reductions VCUs and removals VCUs were quantified separately using VCS VT0015 v1.0: Separate Calculation of Reductions and Removals For VM0003, VM0005, VM0012 & VM0034. All calculations on a per-stratum basis are provided in Annex AB, while summary tables are presented in Annex BD.

Emission reductions were calculated using the following equations in VT0015; Equation 1:

$$ER_t = \Delta CH4_{bb_t} + \Delta N2O_{fert_t} + \Delta CO2_{ff_t} + \Delta CO2_{HWP_t} + \Delta CH4_{HWP_t} + \Delta CO2_{ER,t}$$

Where:

ER_t	Estimated reductions in year t (t CO2e)
$\Delta CH4_{bbt}$	Total methane emission reductions from avoided or reduced biomass burning in year t (tCO2e); **Excluded per VM0003 Methodology**
$\Delta N2O_{fertt}$	Total nitrous oxide emission reductions from fertilizer application in year t (tCO2e); **N/A for this project**
$\Delta CO2_{fft}$	Total GHG emission reductions from fossil fuel combustion in year t (tCO2e); **N/A for this project**

$\Delta CO2_{HWPt}$	Total GHG emission reductions from HWP processing in year t (tCO2e); **N/A for this project**
$\Delta CH4_{HWPt}$	Total GHG emission reductions from HWP anaerobic decay in year t (tCO2e); **N/A for this project**
$\Delta CO2_{ER,t}$	Total carbon stock emissions reductions in year t (tCO2e)

Emission reduction parameters included above correspond to the differences between baseline and project emissions in year t. For this project, only the below parameters are required to calculate ER_t, using Equations 7 and 8 of the VT0015 tool.

$$\Delta CO2_{ER,t} = \frac{\Delta CO2_{ER,vp}}{years}$$

and

$$\Delta CO2_{ER,vp} = \Delta CO2_{ER,cml,t} - \Delta CO2_{ER,cml,prior}$$

Where:

$\Delta CO2_{ER,vp}$	Estimated carbon stock emissions reductions in the current verification period (tCO2e)
$\Delta CO2_{ER,cml,t}$	Estimated cumulative carbon stock emissions reductions between t = 0 and t (t CO2e)
$\Delta CO2_{ER,cml,prior}$	Estimated cumulative carbon stock emissions reductions between t = 0 and the prior verification event (tCO2e)
$years$	Duration of the verification period (years)

Estimated cumulative carbon stocks emission reductions are estimated as follows, using Equation 9 of the VT0015 tool:

Where cumulative carbon stock changes in the project scenario are greater than zero,

$$\Delta CO2_{ER,cml,t} = 0 - \text{MIN}\left(0, \Delta CO2_{BL,cml,t}\right)$$

Where:

$\Delta CO2_{ER,cml,t}$	Estimated cumulative carbon stock emissions reductions between t = 0 and t (tCO2e)
$\Delta CO2_{PR,cml,t}$	Cumulative carbon stock change in the project scenario from year t = 0 to y (tCO2e) **Equivalent to ΔC_{actual} (Equation 10 in VM0003 Methodology v1.3)**
$\Delta CO2_{BL,cml,t}$	Cumulative carbon stock change in the baseline scenario from year t = 0 to y (t CO2e) **Equivalent to ΔC_{BSL} (Equation 1 in VM0003 Methodology v1.3)**

Using Equation 10 of the VT0015 tool, where cumulative carbon stock changes in the project scenario are less than or equal to zero,

$$\Delta CO2_{ER,cml,t} = \Delta CO2_{PR,cml,t} - \text{MIN}\left(0, \Delta CO2_{BL,cml,t}\right) + \text{MAX}\left(0, \Delta CO2_{PR,cml,t}\right) - \text{MAX}\left(0, \Delta CO2_{BL,cml,t}\right)$$

Where:

$\Delta CO2_{ER,cml,t}$	Estimated cumulative carbon stock emissions reductions between t = 0 and t (tCO2e)
$\Delta CO2_{PR,cml,t}$	Cumulative carbon stock change in the project scenario from year t = 0 to y (tCO2e) **Equivalent to ΔC_{actual} (Equation 10 in VM0003 Methodology v1.3)**
$\Delta CO2_{BL,cml,t}$	Cumulative carbon stock change in the baseline scenario from year t = 0 to y (t CO2e) **Equivalent to ΔC_{BSL} (Equation 1 in VM0003 Methodology v1.3)**

Where cumulative carbon stock changes in the project scenario are less than or equal to 0, no carbon removals have occurred and $CR_t = 0$. Otherwise, using Equations 11 of the VT0015 tool,

$$\mathrm{CR}_t = \frac{\mathrm{CR}_{vp}}{years}$$

And, using Equation 12 of the VT0015 tool,

$$\mathrm{CR}_{vp} = \mathrm{CR}_{cml,t} - \mathrm{CR}_{cml,prior}$$

And, using Equation 13 of the VT0015 tool,

$$CR_{cml,t} = \Delta CO2_{PR,cml,t} - \mathrm{MAX}(0, \Delta CO2_{BL,cml,t})$$

Where:

CR_t	Estimated carbon dioxide removals in year t (t CO2e)
CR_{vp}	Estimated carbon dioxide removals in the current verification period that is attributable to carbon dioxide removals (t CO2e)
$CR_{cml,t}$	Estimated cumulative carbon dioxide removals between t = 0 and t (t CO2e)
$CR_{cml,prior}$	Estimated cumulative carbon dioxide removals between t = 0 and the prior verification event (t CO2e)
years	Duration of the verification period (years)
$\Delta CO2_{PR,cml,t}$	Cumulative carbon stock change in the project scenario from year t = 0 to y (tCO2e) **Equivalent to ΔC_{actual} (Equation 10 in VM0003 Methodology v1.3)**
$\Delta CO2_{BL,cml,t}$	Cumulative carbon stock change in the baseline scenario from year t = 0 to y (t CO2e) **Equivalent to ΔC_{BSL} (Equation 1 in VM0003 Methodology v1.3)**

The number of reductions VCUs calculated for year t is determined using Equation 14 of VT0015 v1.0

$$VCU_{ER,t} = VCU_t \times \frac{ER_t}{ER_t + CR_t}$$

The number of removals VCUs calculated for year t is determined using Equation 15 of VT0015 v1.0

$$VCU_{CR,t} = VCU_t \times \frac{CR_t}{ER_t + CR_t}$$

Where:

$VCU_{ER,t}$	Number of Verified Carbon Units resulting from project activities leading to reductions in year t
$VCU_{CR,t}$	Number of Verified Carbon Units resulting from project activities leading to removals in year t
VCU_t	Number of VCUs in year t (tCO2e) calculated in Monitoring Report
ER_t	Estimated reductions in year t (t CO2e)
CR_t	Estimated carbon dioxide removals in year t (t CO2e)

All ex-post calculation methods will have QAQC standards applied to them as detailed in Annex AL. All inputs and outputs were reviewed, and monitoring period dates were updated. Additionally, the project proponent ensured that all baseline emissions are negative and project emissions are positive.

Current monitoring period values are provided below:

State the non-permanence risk rating (%)	12%
Has the non-permanence risk report been attached as either an appendix or a separate document?	☒ Yes ☐ No
For ARR and IFM projects with harvesting, state, in tCO_2e, the Long-term Average (LTA).	N/A. No harvesting exceeded the Harvest Activity defined in the VCS Definitions.
Has the LTA been updated based on monitored data, if applicable?	☐ Yes ☐ No N/A. No harvesting exceeded the Harvest Activity defined in the VCS Definitions.
State, in tCO_2e, the expected total GHG benefit to date.	127,613
If a loss occurred (including a loss event or reversal), state the amount of tCO_2e lost:	4,052

Table 21. VCUs by PAI in 2024

	2024						
PAI	Baseline Emissions (tCO2e)	Project Emissions (tCO2e)	Leakage (tCO2e)	Buffer Pool (tCO2e)	Reductions VCUs (tCO2e)	Removals VCUs (tCO2e)	Total VCU Issuance (tCO2e)
1007	-10	296	61	29	25	190	215
1011	-101	2432	507	243	95	1687	1782
1012	-322	1543	373	179	226	1085	1311
1014	-1352	7138	1698	815	951	5025	5976
1023	-15	149	41	15	11	95	106
1024	-90	137	45	22	60	99	159
1025	-8	24	6	3	6	16	22
1026	-5	127	26	13	8	83	91
1027	-142	373	103	49	100	262	362
1028	-11	55	13	6	8	38	46
1029	-77	347	85	41	54	243	297
1030	-14	63	15	7	10	44	54
1031	-10	41	20	4	5	21	26
1032	-14	49	16	6	9	31	40
1033	-44	862	181	87	31	606	637
1034	49	501	90	43	0	317	317
1035	-43	152	39	19	30	107	137
1036	-149	342	98	47	104	241	345
1037	-42	136	36	17	29	95	124
1038	-215	635	170	82	151	446	597
1039	-37	200	47	23	26	140	166
1040	-51	474	105	50	36	333	369
1041	-40	86	25	12	28	60	88
1042	-251	1624	375	180	176	1143	1319
1043	-5	32	7	4	3	22	25
1044	-28	165	38	18	19	115	134
1046	-7	107	23	11	5	75	80
1047	-60	254	63	30	42	178	220
1048	-38	168	41	20	26	117	143
1049	-10	127	27	13	11	83	94
1050	-33	311	69	33	23	218	241
1051	-11	164	35	17	7	115	122
1052	-28	131	32	15	19	91	110
1053	-19	157	35	17	14	109	123
1054	-19	34	21	4	10	17	27
1055	-23	59	33	6	12	31	43
1056	-291	411	140	67	204	288	492
1057	-163	735	179	86	114	517	631
1058	-163	326	98	47	115	228	343

1059	-167	4479	929	446	117	3153	3270
1060	-69	261	66	32	49	183	232
1061	-10	59	14	7	7	40	47
1062	-104	370	95	46	101	232	333
1063	-753	4196	990	475	530	2952	3482
1064	-2	120	24	12	2	83	85
1065	46	407	72	35	3	250	253
1066	-94	130	45	21	65	91	156
1067	-55	365	84	40	38	256	294
1068	-76	252	65	31	53	176	229
1069	-11	1594	321	154	83	1045	1128
1070	31	819	158	76	0	554	554
1071	-85	304	78	37	59	212	271
1074	166	2352	437	210	0	1538	1538
1079	-14	294	62	30	10	206	216
1080	-30	152	36	18	21	107	128
1082	-45	583	126	60	32	409	441
1083	-46	308	71	34	32	215	247
1084	540	3360	564	271	0	1984	1984
1085	-14	46	12	6	10	32	42
1086	-15	96	22	11	11	67	78
1087	39	2331	458	220	31	1582	1613
1088	-37	323	72	35	26	227	253
1089	-7	22	6	3	5	15	20
1090	-282	441	145	69	198	310	508
1091	-269	1971	448	215	189	1387	1576
1092	-354	1278	326	157	249	899	1148
1093	-990	4569	1112	534	696	3216	3912
1094	-85	408	99	47	59	287	346
1095	-122	998	224	108	86	702	788
1097	-25	814	168	81	18	572	590
1099	-268	682	190	91	188	478	666
1100	-154	799	191	92	108	561	669
1101	-207	582	158	76	146	409	555
1102	-9	75	17	8	6	52	58
1103	-43	154	39	19	26	110	136
1104	-24	114	28	13	17	79	96
1105	-112	498	147	56	77	328	405
1107	-1083	8934	2003	962	762	6290	7052
1108	-8	88	37	7	5	45	50
1109	-23	283	61	29	16	199	215
1110	-54	422	95	46	38	297	335
1111	-352	1287	328	157	247	906	1153
1112	-55	289	69	33	38	203	241

1113	-93	217	62	30	65	153	218
1114	-42	186	46	22	33	126	159
1115	-16	210	45	22	11	147	158
1116	-6	189	39	19	6	130	136
1117	-110	426	107	51	77	299	376
1118	-15	1699	343	165	10	1196	1206
1119	-91	287	76	36	64	202	266
1120	-142	1549	338	162	108	1082	1190
1121	-246	594	168	81	173	417	590
1122	-168	467	127	61	118	328	446
1123	-178	1222	280	134	125	860	985
1124	-10	85	19	9	7	59	66
1125	1	7	1	1	0	4	4
1126	-15	64	16	8	10	45	55
1133	-93	342	87	42	65	240	305
1134	702	1373	134	64	0	472	472
1137	-28	136	33	16	20	95	115
1138	0	0	0	0	0	0	0
1139	73	1511	288	138	0	1011	1011
1141	189	5633	1089	523	43	3787	3830
1142	-44	195	48	23	31	136	167
1143	-66	543	122	58	49	378	427
1144	-1012	4823	1167	560	712	3394	4106
1146	-8	617	125	60	6	434	440
1147	-28	101	26	12	19	71	90
1158	12	309	83	26	8	179	187
1159	16	650	127	61	0	445	445
1160	-186	892	216	103	131	627	758
1161	-26	634	132	63	18	446	464
1162	-40	417	91	44	28	293	321
1163	-464	3195	732	351	327	2248	2575
1164	-1780	4359	1228	589	1252	3067	4319
1166	-224	1673	380	182	158	1176	1334
1167	-11	291	60	29	11	200	211
1168	-123	279	80	39	86	196	282
1169	-19	283	61	29	14	198	212
1170	-35	204	48	23	25	143	168
1171	-28	180	70	17	19	101	120
1172	-11	350	141	27	8	186	194
1174	1	175	35	17	3	118	121
1175	97	428	66	32	0	255	255
1179	-73	436	102	49	51	306	357
1181	-24	643	133	64	43	424	467
1182	-304	2683	597	287	213	1889	2102

1183	265	658	79	38	11	265	276
1184	2	234	46	22	7	155	162
1185	19	301	56	27	6	191	197
1186	-171	74	49	24	121	51	172
1187	8	438	86	41	14	286	300
1188	152	2430	456	219	0	1602	1602
1189	-5	109	23	11	6	73	79
1190	-136	336	94	45	95	236	331
1191	-9	41	10	5	6	28	34
1192	16	325	62	30	31	186	217
1194	38	1167	226	108	14	785	799
1195	-31	329	72	35	22	231	253
1196	36	454	84	40	12	282	294
1197	22	186	33	16	4	110	114
1200	-1	226	45	22	4	155	159
1201	-45	89	27	13	32	62	94
1202	-15	46	12	6	10	32	42
1203	-98	281	76	36	69	197	266
1204	-84	313	79	38	59	219	278
1205	-39	256	59	28	27	179	206
1206	132	1016	177	85	0	622	622
1208	-33	206	48	23	23	145	168
1209	-13	125	27	13	9	87	96
1212	6	211	41	20	0	144	144
1213	81	844	153	73	0	536	536
1214	3	661	132	63	0	463	463
1216	-8	94	20	10	5	66	71
1217	-96	745	168	81	76	513	589
1218	-27	236	53	25	33	150	183
1219	2	241	48	23	7	161	168
1220	4	198	39	19	0	136	136
1221	-84	744	166	79	59	523	582
1239	-46	258	61	29	32	182	214
1249	-21	194	43	21	17	133	150
1252	-26	828	171	82	29	570	599
1256	12	45	7	3	0	22	22
1258	-4	56	12	6	3	38	41
1261	-12	112	25	12	9	77	86
1262	213	1069	171	82	0	601	601
1266	-16	29	9	4	11	20	31
1267	18	92	15	7	0	52	52
1277	-21	94	23	11	14	65	79
1293	-20	39	12	6	14	27	41
Subtotal	-13919	125857	28167	13393	12298	85768	98066

Terminated PAIs					-2026	-2026	-4052
Total	-13919	125857	28167	13393	10272	83742	94014

Table 22. VCUs by PAI in 2025

	2025						
PAI	Baseline Emissions (tCO2e)	Project Emissions (tCO2e)	Leakage (tCO2e)	Buffer Pool (tCO2e)	Reductions VCUs (tCO2e)	Removals VCUs (tCO2e)	Total VCU Issuance (tCO2e)
1007	-1	42	9	4	3	26	29
1011	-14	341	71	34	13	236	249
1012	-45	216	52	25	31	151	182
1014	-189	1001	238	114	133	703	836
1023	-2	21	6	2	2	12	14
1024	-13	19	6	3	8	14	22
1025	-1	3	1	0	1	2	3
1026	-1	18	4	2	1	11	12
1027	-20	52	14	7	14	36	50
1028	-2	8	2	1	1	4	5
1029	-11	49	12	6	7	34	41
1030	-2	9	2	1	1	6	7
1031	-1	6	3	1	1	2	3
1032	-2	7	2	1	1	3	4
1033	-6	121	25	12	4	84	88
1034	7	70	13	6	0	43	43
1035	-6	21	5	3	4	14	18
1036	-21	48	14	7	15	33	48
1037	-6	19	5	2	4	13	17
1038	-30	89	24	11	21	62	83
1039	-5	28	7	3	3	19	22
1040	-7	67	15	7	5	46	51
1041	-6	12	4	2	4	8	12
1042	-35	228	53	25	25	159	184
1043	-1	5	1	1	0	2	2
1044	-4	23	5	3	2	16	18
1046	-1	15	3	2	1	10	11
1047	-8	36	9	4	6	24	30
1048	-5	23	6	3	3	16	19
1049	-1	18	4	2	1	11	12
1050	-5	44	10	5	3	30	33
1051	-1	23	5	2	1	16	17
1052	-4	18	4	2	2	12	14
1053	-3	22	5	2	2	15	17
1054	-3	5	3	1	1	1	2

1055	-3	8	5	1	2	4	6
1056	-41	58	20	9	28	40	68
1057	-23	103	25	12	16	72	88
1058	-23	46	14	7	15	31	46
1059	-23	628	130	63	16	442	458
1060	-10	37	9	4	7	25	32
1061	-1	8	2	1	1	5	6
1062	-15	52	13	6	14	32	46
1063	-106	588	139	67	74	413	487
1064	0	17	3	2	0	12	12
1065	6	57	10	5	0	34	34
1066	-13	18	6	3	9	12	21
1067	-8	51	12	6	5	36	41
1068	-11	35	9	4	7	24	31
1069	-1	223	45	22	12	144	156
1070	4	115	22	11	0	77	77
1071	-12	43	11	5	8	29	37
1074	23	330	61	29	0	214	214
1079	-2	41	9	4	1	29	30
1080	-4	21	5	2	3	15	18
1082	-6	82	18	8	4	57	61
1083	-6	43	10	5	4	29	33
1084	76	471	79	38	0	277	277
1085	-2	6	2	1	1	4	5
1086	-2	14	3	2	2	9	11
1087	6	327	64	31	4	221	225
1088	-5	45	10	5	4	31	35
1089	-1	3	1	0	0	2	2
1090	-40	62	20	10	27	43	70
1091	-38	276	63	30	27	194	221
1092	-50	179	46	22	35	126	161
1093	-139	641	156	75	98	450	548
1094	-12	57	14	7	8	39	47
1095	-17	140	31	15	12	98	110
1097	-4	114	24	11	2	80	82
1099	-38	96	27	13	26	66	92
1100	-22	112	27	13	15	77	92
1101	-29	82	22	11	20	57	77
1102	-1	10	2	1	1	7	8
1103	-6	22	6	3	3	15	18
1104	-3	16	4	2	2	10	12
1105	-16	70	21	8	11	44	55
1107	-152	1252	281	135	107	881	988
1108	-1	12	5	1	1	5	6

1109	-3	40	9	4	2	28	30
1110	-8	59	13	6	5	41	46
1111	-49	180	46	22	34	126	160
1112	-8	40	10	5	5	27	32
1113	-13	30	9	4	9	21	30
1114	-6	26	6	3	4	17	21
1115	-2	29	6	3	1	20	21
1116	-1	27	5	3	1	17	18
1117	-15	60	15	7	11	41	52
1118	-2	238	48	23	1	167	168
1119	-13	40	11	5	9	28	37
1120	-20	217	47	23	15	151	166
1121	-34	83	24	11	24	58	82
1122	-24	65	18	9	16	46	62
1123	-25	171	39	19	17	120	137
1124	-1	12	3	1	1	7	8
1125	0	1	0	0	0	0	0
1126	-2	9	2	1	1	6	7
1133	-13	48	12	6	9	33	42
1134	98	192	19	9	0	66	66
1137	-4	19	5	2	3	12	15
1138	0	0	0	0	0	0	0
1139	10	212	40	19	0	141	141
1141	27	790	153	73	6	530	536
1142	-6	27	7	3	4	19	23
1143	-9	76	17	8	7	52	59
1144	-142	676	164	79	99	474	573
1146	-1	87	18	8	1	60	61
1147	-4	14	4	2	2	9	11
1158	2	43	12	4	1	24	25
1159	2	91	18	9	0	61	61
1160	-26	125	30	15	18	88	106
1161	-4	89	19	9	3	62	65
1162	-6	58	13	6	4	41	45
1163	-65	448	103	49	46	315	361
1164	-250	611	172	83	175	429	604
1166	-31	235	53	26	22	164	186
1167	-2	41	8	4	1	28	29
1168	-17	39	11	5	12	27	39
1169	-3	40	8	4	2	27	29
1170	-5	29	7	3	3	20	23
1171	-4	25	10	2	2	13	15
1172	-2	49	20	4	1	25	26
1174	0	25	5	2	0	16	16

1175	14	60	9	4	0	35	35
1179	-10	61	14	7	7	43	50
1181	-3	90	19	9	6	58	64
1182	-43	376	84	40	30	264	294
1183	37	92	11	5	1	37	38
1184	0	33	6	3	1	21	22
1185	3	42	8	4	1	26	27
1186	-24	10	7	3	17	6	23
1187	1	61	12	6	2	39	41
1188	21	341	64	31	0	223	223
1189	-1	15	3	2	1	9	10
1190	-19	47	13	6	13	33	46
1191	-1	6	1	1	1	3	4
1192	2	46	9	4	4	26	30
1194	5	164	32	15	2	109	111
1195	-4	46	10	5	3	32	35
1196	5	64	12	6	2	38	40
1197	3	26	5	2	0	15	15
1200	0	32	6	3	1	21	22
1201	-6	12	4	2	4	9	13
1202	-2	6	2	1	1	4	5
1203	-14	39	11	5	10	27	37
1204	-12	44	11	5	8	30	38
1205	-5	36	8	4	4	24	28
1206	19	144	25	12	0	88	88
1208	-5	29	7	3	3	21	24
1209	-2	18	4	2	1	12	13
1212	1	32	6	3	0	21	21
1213	12	124	22	11	0	78	78
1214	0	99	20	9	0	69	69
1216	-1	16	4	2	1	11	12
1217	-18	139	31	15	14	94	108
1218	-4	36	8	4	5	21	26
1219	0	40	8	4	1	26	27
1220	1	33	6	3	0	22	22
1221	-15	129	29	14	10	91	101
1239	-9	48	11	5	6	33	39
1249	-5	42	9	4	4	28	32
1252	-6	187	39	18	7	128	135
1256	3	11	2	1	0	5	5
1258	-1	13	3	1	1	8	9
1261	-3	31	7	3	2	22	24
1262	34	169	27	13	0	93	93
1266	-5	9	3	1	3	6	9

1267	6	30	5	2	0	17	17
1277	-11	48	12	6	8	33	41
1293	-50	98	30	14	35	69	104
Subtotal	-2016	18027	4038	1921	1757	12167	13924
Terminated PAIs					0	0	0
Total	-2016	18027	4038	1921	1757	12167	13924

Table 23: Total VCU Issuance by Vintage Period for Project Crediting Period

Vintage period	Baseline emissions (tCO_2e)	Project emissions (tCO_2e)	Leakage emissions (tCO_2e)	Buffer pool allocation (tCO_2e)	Reductions VCUs (tCO_2e)	Removals VCUs (tCO_2e)	Total VCU issuance (tCO_2e)
14-Jul-2020 to 31-Dec-2020	(79)	344	84	40	23	275	298
01-Jan-2021 to 31-Dec-2021	(2,391)	11,951	2,868	1,376	536	9,561	10,097
01-Jan-2022 to 31-Dec-2022	(5,986)	29,242	7,045	3,381	1,407	23,394	24,801
01-Jan-2023 to 29-Sep-2023	(5,609)	39,151	8,952	4,297	190	31,321	31,512
30-Sep-2023 to 31-Dec-2023	(4,343)	31,554	7,179	3,446	1,166	24,106	25,270
01-Jan-2024 to 31-May-2024	(9,898)	79,910	17,962	8,622	2,815	60,411	63,225

01-June-2024 to 31-Dec-2024	(13,919)	125,857	28,167	13,393	10,272	83,742	94,014
01-Jan-2025 to 31-Jan-2025	(2,016)	18,027	4,038	1,921	1,757	12,167	13,924
Total	(44,241)	336,036	76,296	36,475	18,166	244,976	263,141

Table 24: Comparison of ex-ante emissions reductions/removals and achieved emissions reductions/removals by vintage year for the current monitoring period

Vintage period	Ex-ante estimated reductions/ removals	Achieved reductions/ removals	Percent difference	Explanation for the difference
01-June-2024 to 31-Dec-2024	131,261	107,556	-18%	The estimated and actual project area enrolled differed.
01-Jan-2025 to 31-Jan-2025	31,165	16,005	-49%	The estimated and actual project area enrolled differed.
Total	162,426	123,561	-24%	The estimated and actual project area enrolled differed.

APPENDIX 1: COMMERCIALLY SENSITIVE INFORMATION

Section	Information	Justification
5.4	FCW VCS Certification Model Kimmeridge Carbon Solutions, L.P. and Chestnut Carbon LLC Proof of Funds	Confidential due to proprietary financial information which may result in damages to company if disclosed. Shall be provided to VVB only.
5.4	NPV Calculations	Confidential due to proprietary financial inputs related to project development costs. Shall be provided to VVB only.
2.1, 3.3	Signed MLAs	These documents contain PAI landowner names and other personal information. Shall be provided to VVB only.
3.3	Past NCX Contracts	Past NCX contracts for landowners that contains personal information. Shall be provided to VVB only.
3.3	Landowner deeds	These documents contain PAI landowner names and other personal information. Shall be provided to VVB only.
2.1	Stakeholder correspondence	These documents contain PAI landowner names and other personal information during stakeholder correspondence with project proponent. Shall be provided to VVB only.
2.3.5	Landowner Payment Details	Confidential due to containing sensitive financial information linked to each PAI number. Shall be provided to VVB only,
2.1.3	Evidence of Landowner Membership Guide Sharing	These documents contain landowner names and contact information.

APPENDIX 2: ANNEXES

Annex	Title	Conf.
Annex A	Cohort 3 Soil Maps	
Annex B	PAI Maps	
Annex C	KML (Project areas + Centroids)	
Annex D	Signed MLAs	Yes
Annex E	Overlapping Critical Species Habitat documentation	
Annex F	FCW Conserve Lying Dead by PAI v3 The Fire and Fuels Extension to the Forest Vegetation Simulator: Updated Model Documentation FOREST INVENTORY AND ANALYSIS NATIONAL CORE FIELD GUIDE VOLUME I: FIELD DATA COLLECTION PROCEDURES FOR PHASE 2 PLOTS Version 9.2	
Annex G	Specific Gravity and Other Properties of Wood and Bark for 156 Tree Species Found in North America	
Annex H	Forester Attestations to Baseline Silviculture	
Annex I	Forest Protocol 2015 assessment.area.data.file	
Annex J	Winjum et al 1998	
Annex K	Global Forest Resources Assessment 2020 - Terms and Definitions FRA 2020	
Annex L	2023 Forest Cruiser Training.mp4 2023 Forest Cruiser Training.pptx NephosDigitizationManual	
Annex M	Harmon & Sexton 1996	
Annex N	PAI Harvest Materials	
Annex O	IPCC, Good Practice Guidance for Land Use, Land–Use Change and Forestry, 2003	
Annex P	U.S. Forest Projects (June 25, 2015) - Volume and Biomass Equations for Forest Offset Projects in All States Except Alaska, California, Oregon, and Washington biomass.equations.ca.or.wa	

	volume.equations.ca.or.wa	
Annex Q	FCW Conserve Harvest Policy, May 2024	
Annex R	FCW Offer Packet Template FCW Conserve Membership Guide FCW Stakeholder Engagement Plan	
Annex S	FCW Conserve NPV for NPRT Cohort 3 *Confidential due to proprietary financial inputs related to project development costs*	Yes
Annex T	FSC Digital Audit Report FCW Internal Audits of FSC certified harvests	
Annex U	FCW VCS Certification Model v3 – MP 3 Kimmeridge Carbon Solutions, L.P. and Chestnut Carbon LLC Proof of Funds *Confidential due to proprietary financial information*	Yes
Annex V	Non-Permanence Risk Tool Additional Evidence Historical Risk Score Selection Justification and Evidence	
Annex W	FCW Conserve Treelist Workbook	
Annex Y	Management Strata (Modeling Units, Plots, and Boundaries) Shapefile	
Annex Z	Example baseline timber harvest plans	
Annex AA	FVS Files	
Annex AB	FCW Conserve ERR Calculation Spreadsheet	
Annex AC	FCW Conserve Model Results	
Annex AD	FCW Conserve Baseline Wood Products	
Annex AE	Signed NCX Contracts	Yes
Annex AF	List of Recorded Invasive Species by State	
Annex AG	Landowner Deeds	Yes
Annex AH	Forest Stewardship Council US Forest Management Standard	
Annex AI	Stakeholder Correspondence	Yes

Annex AJ	Reserved	
Annex AK	FSC Gender Equality Guidelines: SDG 05: GENDER EQUALITY	
Annex AL	QAQC Reference v1.0	
Annex AM	US Contributions to 17 Sustainable Development Goals by 2030-2022 Report	
Annex AN	*Reserved*	
Annex AO	Reserved	
Annex AP	FCW Conserve - Sample Size Current aboveground live tree carbon stocks and annual net change in forests of conterminous United States	
Annex AR	FSC Audit Supplement Forest Carbon Works FSC Certificate	
Annex AS	PAI Harvest Checks	
Annex AT	FCW Conserve Eligible Forested Land Review	
Annex AU	University of Minnesota Research Statement	
Annex AX	Safety Materials and Anti-Harassment Training Landowner Membership Guide Confirmation	
Annex AW	FCW Conserve Safeguard Risk Identification Report FCW Conserve Safeguard Risk Policy FCW Adaptive Risk Management Plan	
Annex AY	Non-Permanence Risk Tool Export Non-Permanence Risk Tool Notes Export Non-Permanence Risk Tool Attachments Export	
Annex AZ	Uncertainty v0.4- Project	
Annex BA	Landowner Payment Records	Yes
Annex BB	GIS Checks	
Annex BC	Evidence of Landowner Membership Guide Sharing	Yes
Annex BD	VT0015 Summary Tables	
Annex BE	MP 3 VCU Cancellations	
Annex BF	Adjacent Harvest Analysis – Cohort 3	