

CAR1391 Listing Attachment G

3.1. General Eligibility Requirements

(a) In order to be eligible under this protocol, a forest offset project must:

(1) Meet the natural forest management criteria set forth in table 3.1

- Composition of native species;
- Distribution of age classes / sustainable management;
- Structural elements (standing and lying dead wood);

Part VI.B.1 – the project will consist of at least 95% native species based on the estimated sum of carbon in the standing live carbon pool. The assessment shall be conducted using estimates of stems per acre for Reforestation Projects and basal area per acre for Improved Forest Management and Avoided Conversion Projects.

Preliminary Estimate:

Species ID	Common Name	Scientific Name	BA (sqft/ac) %
318	Sugar maple	<i>Acer saccharum</i>	41.1%
261	Eastern hemlock	<i>Tsuga canadensis</i>	15.6%
241	Northern white-cedar	<i>Thuja occidentalis</i>	13.4%
951	American basswood	<i>Tilia americana</i>	6.7%
371	Yellow birch	<i>Betula alleghaniensis</i>	6.6%
316	Red maple	<i>Acer rubrum</i>	4.1%
543	Black ash	<i>Fraxinus nigra</i>	1.7%
746	Quaking aspen	<i>Populus tremuloides</i>	1.5%
012	Balsam fir	<i>Abies balsamea</i>	1.4%
129	Eastern white pine	<i>Pinus strobus</i>	1.1%
095	Black spruce	<i>Picea mariana</i>	1.1%
094	White spruce	<i>Picea glauca</i>	1.1%
833	Northern red oak	<i>Quercus rubra</i>	0.8%
071	Tamarack	<i>Larix laricina</i>	0.7%
375	White birch	<i>Betula papyrifera</i>	0.7%
541	White ash	<i>Fraxinus americana</i>	0.7%
762	Black cherry	<i>Prunus serotina</i>	0.4%
972	American elm	<i>Ulmus americana</i>	0.4%
743	Bigtooth aspen	<i>Populus grandidentata</i>	0.2%
125	Red pine	<i>Pinus resinosa</i>	0.2%
701	Ironwood	<i>Ostrya virginiana</i>	0.2%
741	Balsam poplar	<i>Populus balsamifera L.</i>	0.1%
105	Jack pine	<i>Pinus banksiana</i>	0.0%
998	Other hardwood	N/A	0.0%
531	American beech	<i>Fagus grandifolia</i>	0.0%
802	White oak	<i>Quercus alba</i>	0.0%
601	Butternut	<i>Juglans cinerea</i>	0.0%
TOTAL			100%

CAR1391: Finite Carbon – Lyme Wisconsin IFM

Part VI.B.2 - the Project Area will naturally consist of a mixed species distribution where no single species' prevalence, measured as the percent of basal area of all live trees in the Project Area, exceeds the percentage value of standing live carbon shown under the heading 'Species Diversity Index' in the Assessment Area Data File.

Preliminary Estimates (all species >2% of total BA):

Assessment Area: Laurentian Mixed Forest Northern Highlands Conifer Bog (SDI: 80 percent)			
Species ID	Common Name	Scientific Name	BA (sqft/ac) %
241	Northern white-cedar	<i>Thuja occidentalis</i>	79.0%
095	Black spruce	<i>Picea mariana</i>	16.3%
071	Tamarack	<i>Larix laricina</i>	4.7%
TOTAL			100%

Assessment Area: Laurentian Mixed Forest Northern Highlands Mixed Northern Hardwoods (SDI: 65 percent)			
Species ID	Common Name	Scientific Name	BA (sqft/ac) %
318	Sugar maple	<i>Acer saccharum</i>	49.8%
261	Eastern hemlock	<i>Tsuga canadensis</i>	18.9%
951	American basswood	<i>Tilia americana</i>	8.1%
371	Yellow birch	<i>Betula alleghaniensis</i>	8.0%
316	Red maple	<i>Acer rubrum</i>	5.0%
543	Black ash	<i>Fraxinus nigra</i>	2.0%
746	Quaking aspen	<i>Populus tremuloides</i>	1.8%
012	Balsam fir	<i>Abies balsamea</i>	1.7%
094	White spruce	<i>Picea glauca</i>	1.3%
375	White birch	<i>Betula papyrifera</i>	0.9%
541	White ash	<i>Fraxinus americana</i>	0.8%
762	Black cherry	<i>Prunus serotina</i>	0.5%
972	American elm	<i>Ulmus americana</i>	0.5%
743	Bigtooth aspen	<i>Populus grandidentata</i>	0.3%
701	Ironwood	<i>Ostrya virginiana</i>	0.2%
741	Balsam poplar	<i>Populus balsamifera</i> L.	0.1%
998	Other hardwood	N/A	0.0%
531	American beech	<i>Fagus grandifolia</i>	0.0%
601	Butternut	<i>Juglans cinerea</i>	0.0%
TOTAL			100%

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Assessment Area: Laurentian Mixed Forest Northern Highlands Mixed Pine-Oak (SDI: 65 percent)			
Species ID	Common Name	Scientific Name	BA (sqft/ac) %
129	Eastern white pine	<i>Pinus strobus</i>	52.8%
833	Northern red oak	<i>Quercus rubra</i>	36.4%
125	Red pine	<i>Pinus resinosa</i>	10.0%
105	Jack pine	<i>Pinus banksiana</i>	0.7%
802	White oak	<i>Quercus alba</i>	0.1%
TOTAL			100%

Part VI.B.3a – The project area owned by the OPO is currently under third-party certification from the Sustainable Forestry Initiative (Certificate number BV-SFIS-US004070-4), whose certification standards require adherence to and verification of harvest levels which can be permanently sustained over time.

Part VI.B.3b - No more than 40% of the project area is in age classes younger than 20 years old

Part VI.B.4 – if the project does not meet the minimum of 1% of standing live stocks or 1 ton of carbon (C), then the project will ensure that structural elements are retained in sufficient quantities throughout the project life by continuing to implement project activities that do not include the active harvest or removal of standing or lying dead wood. Structural elements are also incorporated into management planning under the Resource Management Plan.

Preliminary Estimates:

Year	Metric tonnes CO ₂ e		Metric tonnes C		
	TSL	TSD	TSL	TSD	Percent
2019	79.25	1.98	21.61	0.54	2.50%