

CAR1436 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 consists of at least 95% native species based on the sum of carbon in the standing live carbon pool. The assessment was conducted using preliminary estimates of basal area per acre for Improved Forest Management Projects.

Preliminary Estimates (all species in total project area):

Species ID	Common Name	Scientific Name	Native	BA (sqft/ac) %
621	Yellow poplar	Liriodendron tulipifera	Yes	19.4%
832	Chestnut oak	Quercus montana	Yes	15.9%
833	Northern red oak	Quercus rubra	Yes	11.3%
531	American beech	Fagus grandifolia	Yes	7.4%
400	Hickory (other)	Carya sp.	Yes	5.4%
837	Black oak	Quercus velutina	Yes	5.0%
260	Hemlock (other)	Tsuga sp.	Yes	4.7%
806	Scarlet oak	Quercus coccinea	Yes	4.6%
316	Red maple	Acer rubrum	Yes	4.1%
951	American basswood	Tilia americana	Yes	4.0%
802	White oak	Quercus alba	Yes	3.8%
651	Cucumbertree	Magnolia acuminata	Yes	2.8%
541	White ash	Fraxinus americana	Yes	2.2%
731	Sycamore	Platanus occidentalis	Yes	2.0%
998	Other hardwoods	N/A	N/A	1.2%
712	Paulownia	Paulownia tomentosa	No	1.1%
762	Black cherry	Prunus serotina	Yes	0.9%
379	Gray birch	Betula populifolia	Yes	0.8%
693	Blackgum	Nyssa sylvatica	Yes	0.8%
330	Buckeye species	Aesculus sp.	Yes	0.7%
972	American elm	Ulmus americana	Yes	0.5%
901	Black locust	Robinia pseudoacacia	Yes	0.4%
261	Eastern Hemlock	Tsuga canadensis	Yes	0.3%
131	Loblolly pine	Pinus taeda	Yes	0.3%
602	Black walnut	Juglans nigra	Yes	0.3%
125	Red pine	Pinus resinosa	Yes	0.1%

Part VI.B.2 - the Project Area consists 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.

The single species prevalence was determined by creating a single "Max Species SDI %" for the entire Project Area, establishing a weighted average of the SDI based on the number of acres in each Assessment Area:

	Acres	SDI	Weighted SDI
Allegheny & North Cumberland Mountains Cove Forests	2,531.59	70%	4.6%
Allegheny & North Cumberland Mountains Mixed Hardwoods	8,774.74	70%	16.0%
Allegheny & North Cumberland Mountains Northern Conifer	257.45	70%	0.5%
Allegheny & North Cumberland Mountains Northern Hardwoods	11,756.87	65%	19.9%
Allegheny & North Cumberland Mountains Oak-Hickory	15,039.35	65%	25.5%
Grand Total	38,360.00		66.5%

Preliminary Estimates (all species >5% of total BA; minimum SDI: 66.5)

Species ID	Common Name	Scientific Name	Native	BA (sqft/ac) %
621	Yellow poplar	Liriodendron tulipifera	Yes	19.4%
832	Chestnut oak	Quercus montana	Yes	15.9%
833	Northern red oak	Quercus rubra	Yes	11.3%
531	American beech	Fagus grandifolia	Yes	7.4%
400	Hickory (other)	Carya sp.	Yes	5.4%
837	Black oak	Quercus velutina	Yes	5.0%

Part VI.B.3a – There are currently no planned commercial harvesting activities within the Project Area.

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.

CAR1436: Finite Carbon – Dingess Rum IFM Project

Preliminary Estimates:

Year	Metric tonnes CO ₂ e (tCO ₂ e)		Metric tonnes C (tC)		Percent
	Total	Total	Total	Total	
	Standing Live	Standing Dead	Standing Live	Standing Dead	
2019	116.27	2.09	31.71	0.57	1.80%