

CAR1339 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) %
202	Douglas-fir	<i>Pseudotsuga menziesii</i>	Yes	48.17%
631	tanoak	<i>Lithocarpus densiflorus</i>	Yes	33.80%
312	bigleaf maple	<i>Acer macrophyllum</i>	Yes	4.27%
805	canyon live oak	<i>Quercus chrysolepis</i>	Yes	2.29%
41	Port Orford cedar	<i>Chamaecyparis lawsoniana</i>	Yes	2.55%
815	Oregon white oak	<i>Quercus garryana</i>	Yes	2.06%
361	Pacific madrone	<i>Arbutus menziesii</i>	Yes	1.50%
431	giant chinquapin Chrysolepis	<i>chrysophylla</i> var. <i>chrysophylla</i>	Yes	1.44%
17	grand fir	<i>Abies grandis</i>	Yes	0.88%
351	red alder	<i>Alnus rubra</i>	Yes	0.80%
122	ponderosa pine	<i>Pinus ponderosa</i>	Yes	0.58%
81	incense cedar	<i>Calocedrus decurrens</i>	Yes	0.55%
818	California black oak	<i>Quercus kelloggii</i>	Yes	0.31%
231	Pacific yew	<i>Taxus brevifolia</i>	Yes	0.30%
117	sugar pine	<i>Pinus lambertiana</i>	Yes	0.23%
116	Jeffrey pine	<i>Pinus jeffreyi</i>	Yes	0.17%
981	California laurel	<i>Umbellularia californica</i>	Yes	0.09%
920	willow species	<i>Salix</i>	Yes	0.00%
492	Pacific dogwood	<i>Cornus nuttallii</i>	Yes	0.00%

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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.

Preliminary Estimates (all species >5% of total BA):

Assessment Area: Northern California Coast Mixed Oak Woodland (Minimum SDI: 65 percent)

Species ID	Common Name	Scientific Name	BA (sqft/ac) %
202	Douglas-fir	<i>Pseudotsuga menziesii</i>	41.52%
631	tanoak	<i>Lithocarpus densiflorus</i>	26.66%
312	bigleaf maple	<i>Acer macrophyllum</i>	17.04%
805	canyon live oak	<i>Quercus chrysolepis</i>	8.60%
041	Port Orford cedar	<i>Chamaecyparis lawsoniana</i>	0.00%
815	Oregon white oak	<i>Quercus garryana</i>	0.32%
017	grand fir	<i>Abies grandis</i>	3.08%
122	ponderosa pine	<i>Pinus ponderosa</i>	1.49%
920	willow species	<i>Salix</i>	1.29%

Assessment Area: Northern California Coast Mixed Oak Woodland (Minimum SDI: 60 percent)

Species ID	Common Name	Scientific Name	BA (sqft/ac) %
202	Douglas-fir	<i>Pseudotsuga menziesii</i>	50.53%
631	tanoak	<i>Lithocarpus densiflorus</i>	34.67%
312	bigleaf maple	<i>Acer macrophyllum</i>	5.13%
805	canyon live oak	<i>Quercus chrysolepis</i>	1.18%
041	Port Orford cedar	<i>Chamaecyparis lawsoniana</i>	2.62%
815	Oregon white oak	<i>Quercus garryana</i>	2.51%
431	giant chinquapin	<i>Chrysolepis chrysophylla</i> var. <i>chrysophylla</i>	1.28%
361	Pacific madrone	<i>Arbutus menziesii</i>	0.52%
017	grand fir	<i>Abies grandis</i>	0.19%
351	red alder	<i>Alnus rubra</i>	0.52%
122	ponderosa pine	<i>Pinus ponderosa</i>	0.00%
081	incense cedar	<i>Calocedrus decurrens</i>	0.02%
818	California black oak	<i>Quercus kelloggii</i>	0.13%
231	Pacific yew	<i>Taxus brevifolia</i>	0.44%
117	sugar pine	<i>Pinus lambertiana</i>	0.00%
116	Jeffrey pine	<i>Pinus jeffreyi</i>	0.13%
981	California laurel	<i>Umbellularia californica</i>	0.13%

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920 willow species Salix 0.00%

Assessment Area: Southern Cascade Mixed Conifer (Minimum SDI: 65 percent)

Species ID	Common Name	Scientific Name	BA (sqft/ac) %
202	Douglas-fir	Pseudotsuga menziesii	43.24%
631	tanoak	Lithocarpus densiflorus	31.99%
312	bigleaf maple	Acer macrophyllum	2.48%
805	canyon live oak	Quercus chrysolepis	4.61%
041	Port Orford cedar	Chamaecyparis lawsoniana	2.41%
815	Oregon white oak	Quercus garryana	1.14%
431	giant chinquapin	Chrysolepis chrysophylla var. chrysophylla	1.96%
361	Pacific madrone	Arbutus menziesii	3.37%
017	grand fir	Abies grandis	2.34%
351	red alder	Alnus rubra	1.38%
122	ponderosa pine	Pinus ponderosa	1.79%
081	incense cedar	Calocedrus decurrens	1.65%
818	California black oak	Quercus kelloggii	0.69%
231	Pacific yew	Taxus brevifolia	0.00%
117	sugar pine	Pinus lambertiana	0.71%
116	Jeffrey pine	Pinus jeffreyi	0.24%
981	California laurel	Umbellularia californica	0.00%
920	willow species	Salix	0.00%
492	Pacific dogwood	Cornus nuttallii	0.00%

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-US191506**), 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 (tCO ₂ e)		Metric tonnes C (tC)		Percent
	Total	Total	Total	Total	

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2019	Standing Live	Standing Dead	Standing Live	Standing Dead	
	314.75	0.13	85.83	0.04	0.04%