

## Oak Woodland Habitat Evaluation Procedure

### Site Assessment Checklist

Mapping Instructions:

Note location/distance between oak woodland stands of greater than 10% canopy cover.  
 Note location of oak savanna (10% canopy cover or less).  
 Note location of oak woodland/savanna water sources, including seasonal.  
 Note location of connections to oak resources on lands adjacent to the site.  
 Note location of obvious use by wildlife.

### Stand Assessment Checklist

For each stand provide the following information:

Stand acreage.*	Layered canopy presence.
Habitat index code.	Snag tree presence.
Average tree diameter per acre.**	Wetlands presence.
Stand health description.	Burrows, caves and cliffs presence.
Riparian zone description	Downed woody debris presence

\*Stand means an area with oak canopy cover of 10% or greater.

\*\*Average tree dbh is an aggregate figure for all stand oak species.

Prepare a stand table displaying figures for pre/post-project trees per acre by dbh group and pre/post-project tree canopy cover percentage per acre:

### Sample Stand Table

Oak Species - DBH Group	Pre-Project Trees Per Acre	Post-Project Trees Per Acre
Coast live oak (1-6")	20	15
Coast live oak (>6-12")	12	9
Coast live oak (>12-18")	6	4
Coast live oak (>18-24")	3	2
Coast live oak (>24")	1	1
Blue oak (1-6")	10	8
Blue oak (>6-12")	5	4
Blue oak (>12-18")	1	1
Blue oak (>18-24")	0	0
Blue oak (>24")	0	0
Average trees/acre	68	44
<b>Oak Species</b>	<b>Canopy Cover Percentage</b>	
Coast live oak	27%	17%
Blue oak	10%	9%
Average canopy cover/acre	37%	26%

## Habitat Index Code

Tree Cover Type	Canopy Cover Class			
	10-24%	25-39%	40-59%	60-100%
1) Blue Oak Woodland	Habitat 1	Habitat 2	Habitat 3	Habitat 4
2) Blue Oak-Foothill Pine Woodland	Habitat 5	Habitat 6	Habitat 7	Habitat 8
3) Valley Oak Woodland	Habitat 9	Habitat 10	Habitat 11	Habitat 12
4) Coastal Oak Woodland	Habitat 13	Habitat 14	Habitat 15	Habitat 16
5) Montane Hardwood Woodland	Habitat 17	Habitat 18	Habitat 19	Habitat 20

### Habitats 1 to 4 ~ Blue Oak Woodland

Blue oak usually comprise 80-100 percent of trees present.

Associates: Foothill pine, all oaks but Engelmann.

### Habitats 5 to 8 ~ Blue Oak-Foothill Pine

Blue oak and foothill pine form most of overstory--blue oak usually most abundant.

Associates: Sierra Nevada foothills interior live oak, buckeye--interior live oak on steeper slopes, shallow soils and higher elevations. Coast Range coast live oak, valley oak and buckeye.

### Habitats 9 to 12 ~ Valley Oak Woodland

Associates: Central Valley blue/interior live oak, sycamore, black walnut, boxelder, buckeye, ash. Coast Range lower elevations coast live oak and foothill pine, higher elevations black oak. All low elevations cottonwood and willow.

### Habitats 13 to 16 ~ Coastal Oak Woodland

Coast live oak central/southern range, Oregon white oak in moister northern range.

Associates: For coast live oak on moist sites madrone, bay, tanoak and canyon live oak--on dry sites blue oak, foothill pine and valley oaks. For Oregon white oak--black oak, madrone, interior live oak and canyon live oak.

### Habitats 17 to 20 ~ Montane Hardwood

Primary species black oak, Oregon white oak, interior live oak and canyon live oak.

Associates: Lower slopes and poor soils foothill/knobcone pine, madrone and tanoak--typically lack blue/valley oak.

## **Additional Site Evaluation Tools**

Aerial photo survey of site/environs.

Biological resources assessment.

Elevation analysis map.

Slope analysis map.

Soil analysis map.

Vegetation analysis map.