

# FOREST BIODIVERSITY ASSESSMENT

Ponderosa forests - Pacific Northwest Version 1.0

Date: \_\_\_\_\_ Stand: \_\_\_\_\_

TOPOGRAPHY & SITE CHARACTERISTICS	P
1. Site on SE - SW facing slope steeper than 20 % (1:5)	<input type="checkbox"/>
2. Site on NE - NW facing slope steeper than 20 % (1:5)	<input type="checkbox"/>
3. Forested slope steeper than 60 % (3:5)	<input type="checkbox"/>
4. Conspicuous gorge or ravine	<input type="checkbox"/>
5. Conspicuous cliff, scree or talus slope	<input type="checkbox"/>
6. Large boulder(s) or rocky outcrop(s)	<input type="checkbox"/>
FOREST DYNAMICS	
7. Small (< 0.25 ac) canopy gaps	<input type="checkbox"/>
8. Medium (0.25-1 ac) canopy gap(s)	<input type="checkbox"/>
9. Larger (1-5 ac) canopy opening(s) created by wind or fire	<input type="checkbox"/>
10. Open or semi-open canopy	<input type="checkbox"/>
11. Numerous naturally regenerating tree saplings	<input type="checkbox"/>
12. Ground vegetation very patchy and heterogeneous	<input type="checkbox"/>
13. Exotic shrubs and trees absent or nearly absent	<input type="checkbox"/>
14. Trees with bark charred by recent fire	<input type="checkbox"/>
15. Living tree(s) with wounds or scars from fire	<input type="checkbox"/>
16. Living tree(s) with wounds or scars from more than one fire	<input type="checkbox"/>
17. Numerous trees or tree tops broken by ice or snow	<input type="checkbox"/>
18. Tree(s) felled by beaver or areas inundated by beaver	<input type="checkbox"/>
HABITAT IN THE FOREST	
19. Conspicuous bald(s)	<input type="checkbox"/>
20. Open or semi-open prairie, native grassland or meadow area	<input type="checkbox"/>
21. Forested wetland area	<input type="checkbox"/>
22. Open wetland area	<input type="checkbox"/>
23. Forested spring or seep area	<input type="checkbox"/>
24. Riparian forest	<input type="checkbox"/>
25. Streambed with substantial amounts of large woody debris	<input type="checkbox"/>
26. Stream with section(s) of cascades	<input type="checkbox"/>
27. Streambed with section(s) of cobble or gravel	<input type="checkbox"/>
28. Large hollow and internally decayed tree(s)	<input type="checkbox"/>
29. Tree(s) with twig nests	<input type="checkbox"/>
30. Nesting holes in trees or snags	<input type="checkbox"/>
<i>Site total</i>	<input type="checkbox"/>

Highest possible site total 26

TREES	P
31. Some (native) nut-, berry- or fleshy fruit trees or shrubs	<input type="checkbox"/>
32. Numerous (native) nut-, berry- or fleshy fruit trees or shrubs	<input type="checkbox"/>
33. Canopy composed of 3 or more tree species	<input type="checkbox"/>
34. Canopy composed of 5 or more tree species	<input type="checkbox"/>
35. Numerous hardwood trees > 10" dbh	<input type="checkbox"/>
36. Some hardwood trees > 20" dbh	<input type="checkbox"/>
37. Numerous trees > 20" dbh	<input type="checkbox"/>
38. Some trees > 30" dbh	<input type="checkbox"/>
39. Numerous trees > 30" dbh	<input type="checkbox"/>
40. Some trees > 40" dbh	<input type="checkbox"/>
FOREST STRUCTURE	
41. Substantial amounts of understory and subcanopy trees	<input type="checkbox"/>
42. Canopy and sub-canopy trees of different diameters	<input type="checkbox"/>
43. Some large (veteran) trees from previous forest generation(s)	<input type="checkbox"/>
44. Numerous large (veteran) trees from previous forest generation(s)	<input type="checkbox"/>
45. Forest area(s) remaining or retained after fire, storm or logging	<input type="checkbox"/>
46. Some trees with thick branches or stem forks	<input type="checkbox"/>
47. Some tree trunks and branches covered by mosses and lichens	<input type="checkbox"/>
DEAD TREES, SNAGS AND DOWN LOGS	
48. Some standing dead or dying trees or snags > 10" dbh	<input type="checkbox"/>
49. Some standing sun-exposed dead or dying trees or snags > 10" dbh	<input type="checkbox"/>
50. Some standing dead or dying trees or snags > 20" dbh	<input type="checkbox"/>
51. Numerous standing dead or dying trees or snags > 20" dbh	<input type="checkbox"/>
52. Some standing dead or dying trees or snags > 30" dbh	<input type="checkbox"/>
53. Some down logs > 20" diameter at mid-log	<input type="checkbox"/>
54. Some sun-exposed down logs > 20" diameter at mid-log	<input type="checkbox"/>
55. Some down logs > 30" diameter at mid-log	<input type="checkbox"/>
56. Some down logs > 40" diameter at mid-log	<input type="checkbox"/>
57. Down logs in various different stages of decay	<input type="checkbox"/>
58. Some down logs covered by mosses	<input type="checkbox"/>
59. Some trees, snags or logs with shelf fungi	<input type="checkbox"/>
60. Signs of woodpecker foraging on trees, snags or logs	<input type="checkbox"/>
<i>Stand total</i>	<input type="checkbox"/>

SITE & STAND TOTAL

Highest possible stand total 17  
 Highest possible combined total 43

D = Douglas-fir/Mixed coniferous forests west of the Cascades  
 O = Oak/Douglas-fir - Oak/pine woodlands  
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E = Early seral reference condition  
 P = Ponderosa and Lodgepole pine forests east of the Cascades