FORESTRY MERIT BADGE WORKBOOK

This Scoutmaster Bucky Merit Badge Workbook is based off the current Scouts BSA Requirements.

Consider also using the Forestry merit badge class preparation page for clarification and expections when participating in a Scoutmaster Bucky merit badge opportunity (online or in-person).

https://scoutmasterbucky.com/merit-badges/forestry/

Scout's Name:		
	oook, make a collection, and identify 15 sp n which you identify and discuss the follow	
a. The characteristics of leaf, twig, cone,	or fruiting bodies	
b. The habitat in which these trees, shru	bs, or vines are found	
c. The important ways each tree, shrub introduced to the area. If it is not native,	, or vine is used by humans or wildlife an explain whether it is considered invasive	nd whether the species is native or was or potentially invasive.
Species #1		
Name	Type (tree, wild shrub, vine)	
		Collected sample
Leaf, twig, cone, or fruting bodies characteristics	4	
H abitat		
Habitat		

Import ways it is used by humans or wildlife		
Is the species native? If not, is it invasive or poten	tially invasive?	-
Species #2		
Name	Type (tree, wild shrub, vine)	
Name	Type (tree, wild shrub, vine)	
Name	Type (tree, wild shrub, vine)	Collected sample
Name	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
Name Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
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Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
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Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
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Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample

Import ways it is used by humans or wildlife		
Is the species native? If not, is it invasive or poten	tially invasive?	
Species #3		
Name	Type (tree, wild shrub, vine)	
Name	Type (tree, wild shrub, vine)	
Name	Type (tree, wild shrub, vine)	Collected sample
Name	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
Name Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
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Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
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Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
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Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample

Import ways it is used by humans or wildlife		
Is the species native? If not, is it invasive or poten	tially invasive?	-
Species #4		
Name	Type (tree, wild shrub, vine)	
Name	Type (tree, wild shrub, vine)	
Name	Type (tree, wild shrub, vine)	Collected sample
Name	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
Name Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
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Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
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Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
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Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample

Import ways it is used by humans or wildlife		
Is the species native? If not, is it invasive or poten	tially invasive?	-
Species #5		
Name	Type (tree, wild shrub, vine)	
Name	Type (tree, wild shrub, vine)	
Name	Type (tree, wild shrub, vine)	Collected sample
Name	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
Name Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
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Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
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Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
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Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
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Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample

Import ways it is used by humans or wildlife		
Is the species native? If not, is it invasive or poten	tially invasive?	
Species #6		
Name	Type (tree, wild shrub, vine)	
Name	Type (tree, wild shrub, vine)	
Name	Type (tree, wild shrub, vine)	Collected sample
Name	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
Name Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
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Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
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Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
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Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample

Import ways it is used by humans or wildlife		
Is the species native? If not, is it invasive or poten	tially invasive?	
Species #7		
Name	Type (tree, wild shrub, vine)	
Name	Type (tree, wild shrub, vine)	
Name	Type (tree, wild shrub, vine)	Collected sample
Name	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
Name Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
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,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample

Import ways it is used by humans or wildlife		
Is the species native? If not, is it invasive or poten	tially invasive?	
6		
Species #8		
Name	Type (tree, wild shrub, vine)	
Name	Type (tree, wild shrub, vine)	
Name	Type (tree, wild shrub, vine)	Collected sample
Name	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
Name Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
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,,	Type (tree, wild shrub, vine)	Collected sample
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,,	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
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Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample

Import ways it is used by humans or wildlife		
Is the species native? If not, is it invasive or poten	tially invasive?	
Species #9		
Name	Type (tree, wild shrub, vine)	
Name	Type (tree, wild shrub, vine)	
Name	Type (tree, wild shrub, vine)	Collected sample
Name	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
Name Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
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,,	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
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Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
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Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
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Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample

Import ways it is used by humans or wildlife		
Is the species native? If not, is it invasive or poten	tially invasive?	
Species #10		
Name	Type (tree, wild shrub, vine)	
Name	Type (tree, wild shrub, vine)	
Name	Type (tree, wild shrub, vine)	Collected sample
Name	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
Name Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
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,,	Type (tree, wild shrub, vine)	Collected sample
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,,	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample

Import ways it is used by humans or wildlife		
Is the species native? If not, is it invasive or poten	tially invasive?	
Species #11		
Name	Type (tree, wild shrub, vine)	
Name	Type (tree, wild shrub, vine)	
Name	Type (tree, wild shrub, vine)	Collected sample
Name	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
Name Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
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Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
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Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
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Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample

Import ways it is used by humans or wildlife		
Is the species native? If not, is it invasive or poten	tially invasive?	
Species #12		
Name	Type (tree, wild shrub, vine)	
Name	Type (tree, wild stirub, ville)	
Name	Type (tree, wild stirdb, ville)	Collected sample
Name	Type (tree, wild stirub, ville)	Collected sample
	Type (tree, wild stirub, ville)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wiid silrub, ville)	Collected sample
	Type (tree, wild silrub, ville)	Collected sample
	Type (tree, wild stirub, ville)	Collected sample
	Type (tree, wild stirub, ville)	Collected sample
	Type (tree, wild stirub, ville)	Collected sample
	Type (tree, wild stirub, ville)	Collected sample
	Type (tree, wild stirub, ville)	Collected sample
	Type (tree, wild stirub, ville)	Collected sample
	Type (tree, wild stirub, ville)	Collected sample
	Type (tree, wild stirub, ville)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild stirub, ville)	Collected sample
	Type (tree, wild stirub, ville)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild stillub, ville)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild stirub, ville)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild stillub, ville)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild stillub, ville)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild stillub, ville)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild stillub, ville)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild stillub, ville)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild stillub, ville)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild stillub, ville)	Collected sample

Import ways it is used by humans or wildlife		
Is the species native? If not, is it invasive or poten	tially invasive?	
Species #13		
Name	Type (tree, wild shrub, vine)	
Name	Type (tree, wild shrub, vine)	
Name	Type (tree, wild shrub, vine)	Collected sample
Name	Type (tree, wild shrub, vine)	Collected sample
	Type (tree, wild shrub, vine)	Collected sample
Name Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
	Type (tree, wild shrub, vine)	Collected sample
	Type (tree, wild shrub, vine)	Collected sample
	Type (tree, wild shrub, vine)	Collected sample
	Type (tree, wild shrub, vine)	Collected sample
	Type (tree, wild shrub, vine)	Collected sample
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	Type (tree, wild shrub, vine)	Collected sample
	Type (tree, wild shrub, vine)	Collected sample
	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
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Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample

Import ways it is used by humans or wildlife		
Is the species native? If not, is it invasive or poten	tially invasive?	
Species #14		
Name	Type (tree, wild shrub, vine)	
Name	Type (tree, wild shrub, vine)	
Name	Type (tree, wild shrub, vine)	Collected sample
Name	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
Name Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
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,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
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Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
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Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample

Import ways it is used by humans or wildlife		
Is the species native? If not, is it invasive or poten	tially invasive?	
Species #15		
Name	Type (tree, wild shrub, vine)	
Name	Type (tree, wild shrub, vine)	
Name	Type (tree, wild shrub, vine)	Collected sample
Name	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
Name Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
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,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
,,	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
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Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample
Leaf, twig, cone, or fruting bodies characteristics	Type (tree, wild shrub, vine)	Collected sample

Import ways it is used by humans or wildlif	e		
Is the species native? If not, is it invasive o	r potentially invasive?		
			,
REQUIREMENT 1 A: The characte	ristics of leaf, twig, cone,	or fruiting bodies	
REQUIREMENT 1 B: The habitat in	which these trees shruh	s or vines are found	
REQUIREMENT 1 B. The Habitat II	i willell these trees, siliub	s, or villes are louriu	
REQUIREMENT 1 C: The importar is native or was introduced to the a			s or wildlife and whether the species red invasive or potentially invasive.
DECLUREMENT 3. Do ONE of the	iallawing.		
REQUIREMENT 2: Do ONE of the f	onowing:		
REQUIREMENT 2 A: Collect and ic can be used.	dentify wood samples of 1	0 species of trees. List se	veral ways the wood of each species
11 11	h h	le le le	lo li
REQUIREMENT 2 B: Find and ex	amine three stumps, logs	, or core samples that sh	now variations in the growth rate of
their ring patterns. In the field not	ebook you prepared for re and the position on the sl	equirement 1, describe th one) and discuss possible	e location or origin of each example e reasons for the variations in growth
rate. Photograph or sketch each ex			
Photographed first sample			

Location or origin (including elevation, aspect, slope, and the position on the slope)
Photographed second sample
Priotographed second sample
Location or origin (including elevation, aspect, slope, and the position on the slope)
Photographed third sample
Location or origin (including elevation, aspect, slope, and the position on the slope)
Execution of origin (including elevation, dispect, slope, and the position on the slope,
Possible reasons for the variations in growth rate

REQUIREMENT 2 C: Find and examine two types of animal, insect, or disease damage to trees. In the field notebook you prepared for requirement 1, identify the damage, explain how the damage was caused, and describe the effects of the damage on the trees. Photograph or sketch each example.

Photographed or sketched first example
How the damage was caused
·
Effects of the damage on the trees
<u></u>
Photographed or sketched second example
How the damage was caused
Effects of the damage on the trees
Effects of the damage on the trees
Effects of the damage on the trees
Effects of the damage on the trees
Effects of the damage on the trees
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Effects of the damage on the trees
Effects of the damage on the trees
Effects of the damage on the trees
Effects of the damage on the trees
Effects of the damage on the trees Photographed or sketched third example

How the damage was caused
Effects of the damage on the trees
REQUIREMENT 3: Do the following:
REQUIREMENT 3 A: Describe the contributions forests make to:
1. Our economy in the form of products
2. Our social well-being, including recreation
Our social well-being, including recreation
2. Our social well-being, including recreation
Our social well-being, including recreation
2. Our social well-being, including recreation
2. Our social well-being, including recreation
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2. Our social well-being, including recreation
2. Our social well-being, including recreation
2. Our social well-being, including recreation
2. Our social well-being, including recreation

3. Soil protection and increased fertility	
4 Characteristics	
4. Clean water	
5. Clean air (carbon cycling, sequestration)	
5. Clean air (carbon cycling, sequestration)	
5. Clean air (carbon cycling, sequestration)	
5. Clean air (carbon cycling, sequestration)	
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5. Clean air (carbon cycling, sequestration)	
5. Clean air (carbon cycling, sequestration)	
6. Wildlife habitat 6. Wildlife habitat	

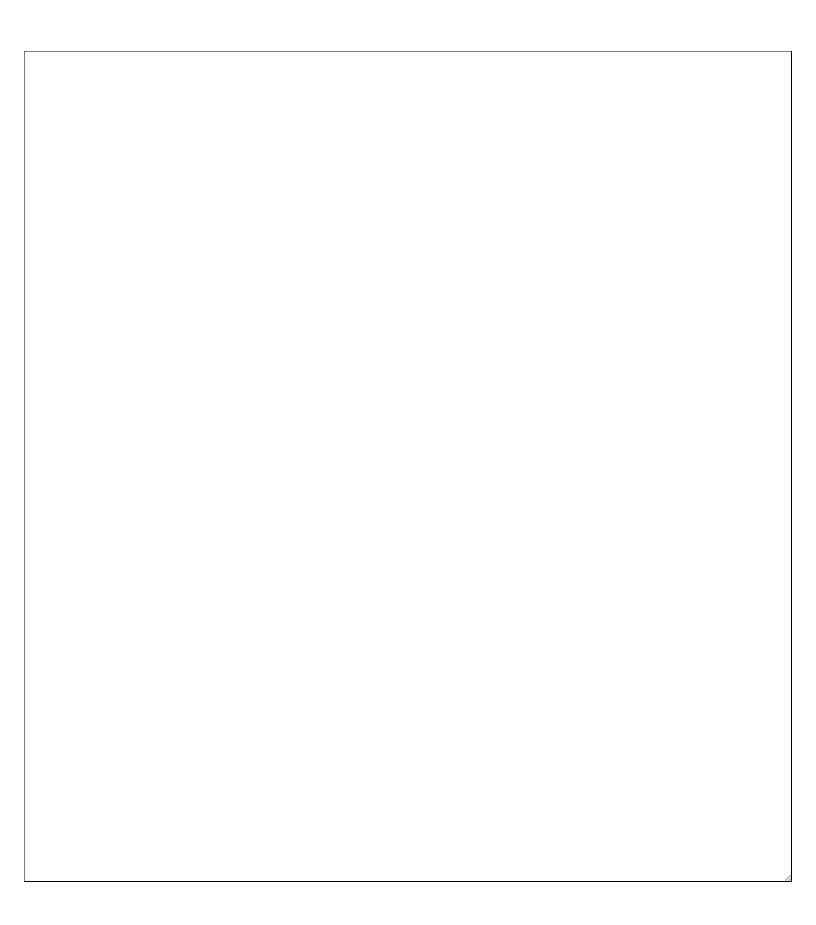
7. Fisheries habitat	
8. Threatened and endangered species of plants and animals	
	li
REQUIREMENT 3 B: Tell which watershed or other source your community relies on for its water supply.	
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, , , , , , , , , , , , , , , , , , , ,	
REQUIREMENT 4: Describe what forest management means, including the following:	
	<i>A</i>
	A

REQUIREMENT 4 A: Multiple-use	e management		
REQUIREMENT 4 B: Sustainable	forest management		
			la de la companya de
DECLUDENCE 4 C C		1.01 20.21 10.01	2. () 201
REQUIREMENT 4 C: Even-aged a	and uneven-aged management	and the silvicultural systems as	ssociated with each
REQUIREMENT 4 C: Even-aged a	and uneven-aged management	and the silvicultural systems as	ssociated with each
REQUIREMENT 4 C: Even-aged a	and uneven-aged management	and the silvicultural systems as	ssociated with each
REQUIREMENT 4 C: Even-aged a	and uneven-aged management	and the silvicultural systems as	ssociated with each
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		and the silvicultural systems as	ssociated with each
		and the silvicultural systems as	ssociated with each
REQUIREMENT 4 D: Intermediate		and the silvicultural systems as	ssociated with each
		and the silvicultural systems as	ssociated with each
		and the silvicultural systems as	ssociated with each
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		and the silvicultural systems as	ssociated with each
		and the silvicultural systems as	ssociated with each

REQUIREMENT 4 E: The role of prescribed burning and related forest-management practices

REQUIREMENT 5: With your parent's and counselor's approval, do ONE of the following:

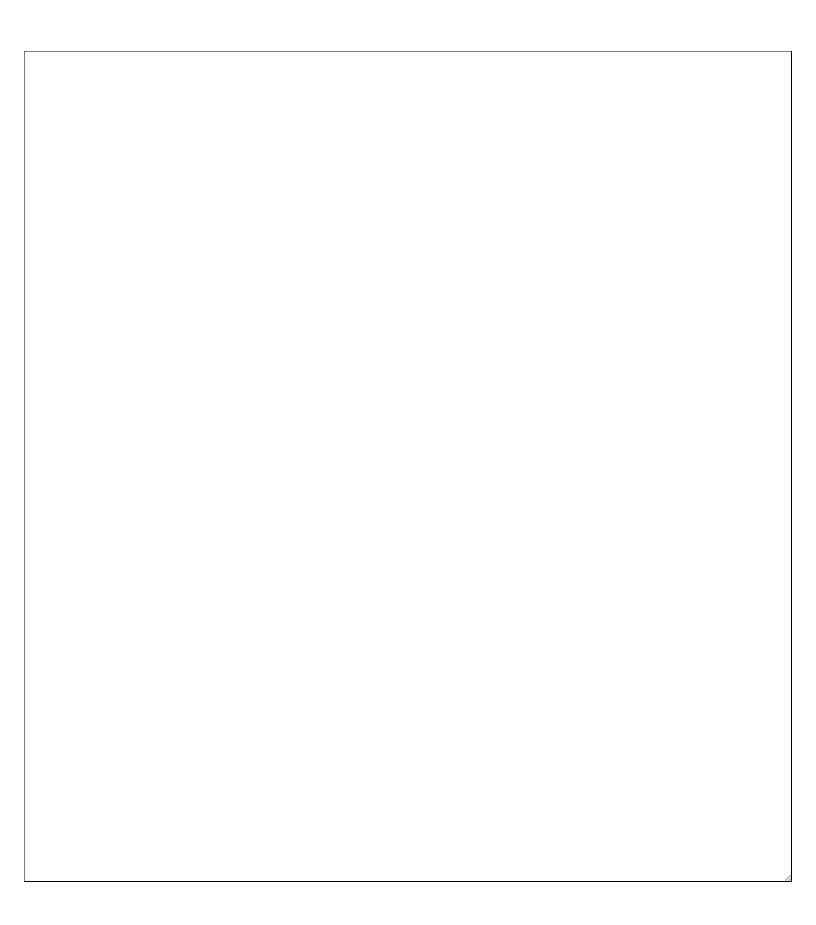
REQUIREMENT 5 A: Visit a managed public or private forest area with the manager or a forester who is familiar with it. Write a brief report describing the type of forest, the management objectives, and the forestry techniques used to achieve the objectives.



REQUIREMENT 5 B: With a knowledgeable individual, visit a logging operation or wood-using manufacturing plant. Write
a brief report describing the following:
a sile report describing the rollowing.
REQUIREMENT 5 B 1: The species and size of trees being harvested or used and the location of the harvest area or
manufacturer
REQUIREMENT 5 B 2: The origin of the forest or stands of trees being utilized (e.g., planted or natural)
REQUIREMENT 5 B 3: The forest's successional stage. What is its future?

REQUIREMENT	5 B 4	: Where	the t	rees ar	e coming	from	(land	ownership)	or wl	here th	ey are	going	(type	of m	nill or
processing plant)	1				_			• •							
															//
REQUIREMENT	5 B 5:	The prod	lucts t	hat are	made fro	m the	trees								
REQUIREMENT	5 B 6:	How the	produ	cts are	made and	d used									
	<u> </u>		p. 0 0. 0.												
															/
REQUIREMENT	5 B 7:	How was	te ma	terials f	rom the l	ogging	opera	ation or mar	nufacti	uring pl	ant are	dispos	ed of o	or uti	lized
															,

REQUIREMENT 5 C: Take part in a forest-fire prevention campaign in cooperation with your local fire warden, state wildfire agency, forester, or counselor. Write a brief report describing the campaign, how it will help prevent wildfires, and your part in it.



REQUIREMENT 6: In your camp, local recreation area (park or equivalent), or neighborhood, inventory the trees that be a hazard to structures or people. Make a list by area (campsite, road, trail, street, etc.). Note the species and haza condition, and suggest a remedy (removal or trimming). Make your list available to the proper authority or agency.	t may rdous

REQUIREMENT 7: Do the following:
REQUIREMENT 7 A: Describe the consequences to forests that result from FIVE of the following elements: wildfire, absence of fire, destructive insects, loss of pollinating insect population, tree diseases, air pollution, overgrazing, deer or other wildlife overpopulation, improper harvest, and urbanization.
REQUIREMENT 7 B: Explain what can be done to reduce the consequences you discussed in 7a.
REQUIREMENT 7 C: Describe what you should do if you discover a forest fire and how a professional firefighting crew might control it. Name your state or local wildfire control agency.
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REQUIREMENT 8: Visit one or more local foresters and write a brief report about the person (or persons). Or, write about a forester's occupation including the education, qualifications, career opportunities, and duties related to forestry.