Lots with Structures: Recommended Firewise Actions		
$\checkmark$	ZONE 1: Within 30' of House, Attachments, & Outbuildings (Attachments include wooden decks, stairways, fences, & walkways; outbuildings include garages, guest houses, & woodsheds.)	Source
	Estimate the slope(s) within Zone 1: gentle slopes are <20%; moderate 21-40%, & steep >40%. (Contact Heather if you'd like your own Defensible Spaces map; see Contacts page & Sample Defensible Spaces maps.)	N/A
	Remove firewood & other stacked/piled combustibles (e.g., scrap wood, slash piles) & place uphill of house, if possible. (Position so that logs will not roll down against house.)	1,3,4,5
	Cut all tree branches within 15' of roof or chimney.*	1,2,4
	Cut all branches that overhang house, attachments, or outbuildings.*	1,3,4
	Establish a 5-10' wide fuel-free zone around house & 10' for propane tank (e.g., replace bark mulch with gravel or lava rock; remove conifers (pine, fir, juniper) & highly flammable shrubs (bitterbrush/greasewood, sage)).	2,346
	Create fuel breaks using non-flammable landscaping materials (e.g., gravel walkways).	16
	Remove dead leaves, twigs, cones, & branches, & reduce layers of dead needles to a depth of no more than 2".*	1,2,4,5
	Remove all tree branches within 6-15' of ground, depending on tree size (lower for small trees).*	1,2,4
	Remove all dead shrubs & standing dead trees.*	1
	Remove all downed trees, unless embedded into the ground. (Remove all exposed branches from downed trees that are embedded into the ground.)*	1
	After grass & other herbaceous (non-woody) vegetation, such as arrowleaf balsamroot, dry up for the season, cut it to no more than 4" tall.*	1,2,4,5
	Remove small conifers (e.g., pine, fir, juniper) & highly flammable shrubs (e.g., bitterbrush (aka greasewood), sage, & juniper) from below the branches of conifer trees or keep trimmed down so that the vertical separation is at least 3x the shrub height.	1
	Prune or thin small conifers (e.g., pine, fir, juniper) & highly flammable shrubs (e.g., bitterbrush (aka greasewood), sage, & juniper) as follows:	
	Gentle slope (green on maps): prune or thin to spacing of 2x shrub height.*	1
	Moderate slope (orange on maps): prune or thin to spacing of 4x shrub height.*	-
	Steep slope (red on maps): prune or thin to spacing of 6x shrub height.*	
	Prune or thin coniferous trees (e.g., pine, fir) as follows:	-
	Gentle slope (green on maps): prune or thin to spacing of 10-30' between outer branch tips.* (Firewise recommends 30'.)	1-5
	Moderate slope (orange on maps): prune or thin to spacing of 20-30' between outer branch tips.* (Firewise recommends 30'.)	L-2
	Steep slope (red on maps): prune or thin to spacing of 30' between outer branch tips.*	
	Use xeriscaping close to house (i.e., plants that don't dry out in summer). Select low maintenance plants the require little to no fertilizer. Provide for irrigation that conserves water (e.g., timed drip &/or soaker hoses).	1,4

>> See next page for	Zone 2 <<
----------------------	-----------

$\checkmark$	ZONE 2: Between 30 & 100' from House, Attachments, & Outbuildings	Source
	Create fuel breaks using non-flammable landscaping materials (e.g., gravel walkways).	46
	Estimate the slope(s) within Zone 2. (See first item under Zone 1 for more information.)	
	Using the following guidelines, determine whether Zone 2 is defensible space, buffer, or a mix. Actions for	
	each type of space are below.	1 /
	Gentle slope ( $\leq$ 20%; green on maps): Zone 2 is defensible space for shrubs, buffer for grass & trees.	1,4
	Moderate slope (21-40%; orange on maps): Zone 2 is defensible space.	
	Steep slope (>40%; red on maps): Zone 2 is defensible space.	
	For Defensible Space:	
	Remove accumulations of dead leaves, twigs, cones, & branches, & reduce layers of dead needles to a	1,2,4,5
	depth of no more than 2".*	
	Remove all tree branches within 6-15' of ground, depending on tree size (lower for small trees).*	1,2,4
	Remove accumulations of dead shrubs & standing dead trees. (Leaving a few standing dead trees outside	
	Zone 1 is good, because they are an important component of the habitat. Cut off any limbs that are within	1
	6-15' of the ground, though, depending on tree size (lower for small trees.)*	
	Remove accumulations of downed trees, except those embedded into the ground. (Remove all exposed	1
	branches from downed trees that are embedded into the ground.)*	-
	Prune or thin small conifers (e.g., pine, fir, juniper) & highly flammable shrubs (e.g., bitterbrush (aka	
	greasewood), sage, & juniper) as follows:	_
	Gentle slope (green): prune or thin to spacing of 2x shrub height.*	1,6
	Moderate slope (orange): prune or thin to spacing of 4x shrub height.*	
	Steep slope (red): prune or thin to spacing of 6x shrub height.*	
	Prune or thin coniferous trees (e.g., pine, fir; not healthy deciduous trees, such as aspen) as follows:	
	Gentle slope (green): N/A (see buffer).	1,6
	Moderate slope (orange): prune or thin to spacing of 20' between outer branch tips.*	1,0
		1

Steep slope (red): prune or thin to spacing of 30° between outer branch tips.^	
For Buffers:	
Remove tree branches within 6-10' of ground, depending on tree size (lower for small trees).*	4
Remove accumulations of downed trees, except those embedded into the ground. (Remove all exposed branches from downed trees that are embedded into the ground.)*	2
Prune or thin coniferous trees (e.g., pine, fir) to 5–30' between outer branch tips. NOTE: This recommendation does not apply to healthy deciduous trees such as aspen, alder, cottonwood, & willow, which retain more moisture & can retard fire.*	2,4,6

1	>> See next page for Zone 3 <<	<b>C</b>
_ √	ZONE 3: Between 100 & 200' from House, Attachments, & Outbuildings	Source
	Estimate the slope(s) within Zone 2. (See first item under Zone 1 for more information.)	-
	Using the following guidelines, determine whether Zone 2 is defensible space, buffer, or a mix. Actions for	
	each type of space are below.	-
	Gentle slope (≤20%; green on maps): Zone 3 is buffer.	1.4.6
	Moderate slope (21-40%; orange on maps): Zone 3 is defensible space for shrubs, buffer for grass & trees.	1,4,6
	Uphill of the house, the defensible space for flammable shrubs is smaller, depending on slope. For slopes	
	of 21–25%, Zone 3 is defensible space only within 130' of the house; for slopes of 26–35%, it is defensible	
	space only within 160' of the house; and for slopes of 35–40%, all of Zone 3 is defensible space for shrubs.	-
	Steep slope (>40%; red on maps): Zone 3 is defensible space for shrubs & trees, buffer for grass.	
	For Defensible Space:	
	Remove accumulations of dead leaves, twigs, cones, & branches, & reduce layers of dead needles to a	1,2,4,5
	depth of no more than 2".*	
	Remove all tree branches within 15' of ground.*	1,2,4,5
	Remove accumulations of dead shrubs & standing dead trees. (Leaving a few standing dead trees is good,	1
	because they are an important component of the habitat. Cut off any limbs that are within 6-15' of the	1
	ground, though, depending on tree size (lower for small trees.)*	
	Remove accumulations of downed trees, except those embedded into the ground. (Remove all exposed	1
	branches from downed trees that are embedded into the ground.)*	
	Prune or thin small conifers (e.g., pine, fir, juniper) & highly flammable shrubs (e.g., bitterbrush (aka	
	greasewood), sage, & juniper) as follows:	1.6
	Gentle slope (green): N/A (see buffer).	1,6
	Moderate slope (orange): prune or thin to spacing of 4x shrub height.* Steep slope (red): prune or thin to spacing of 6x shrub height.*	-
	Prune or thin coniferous trees (e.g., pine, fir; not healthy deciduous trees such as aspen) as follows:	
	Gentle slope (green): N/A (see buffer).	-
	Moderate slope (green): N/A (see buffer).	1,6
	Steep slope (red): prune or thin to spacing of 30' between outer branch tips.*	_
	For Buffers:	
	Remove accumulations of woody debris.*	1
	Remove accumulations of downed trees, except those embedded into the ground. (Remove all exposed	
	branches from downed trees that are embedded into the ground.)*	2
	Prune or thin coniferous trees (e.g., pine, fir) so outer branch tips don't touch. NOTE: This	
	recommendation does not apply to healthy deciduous trees such as aspen, alder, cottonwood, & willow,	4
	which retain more moisture & can retard fire.*	7

## >> See next page for Note & Sources <<

## \*Note: It is okay to leave slash piles, which make good habitat, outside the defensible space perimeter. For chipped slash, make sure to disperse chips, so that depths do not exceed 2", to avoid creating fuel or killing underlying vegetation. For burning of slash or other debris, get permission in advance from Pine Forest Manager (Brad Sawtell).

	Sources		
1	"Living with Fire: A Guide for the Homeowner," Pacific Northwest Wildfire Coordinating Group. http://www.odf.state.or.us/AREAS/eastern/walkerrange/NORTHWES.pdf		
2	"Community Wildfire Safety through Regulation: A Best Practice Guide for Planners & Regulators," National Fire Protection		
	Association. 2013.		
	http://www.fs.fed.us/openspace/resources_and_tools.html.		
3	"The basics of defensible space and the 'home ignition zone:' Recommendations from the Firewise Communities Program."		
	http://Firewise.org/wildfire-preparedness/be-Firewise/home-and-landscape/defensible-space.aspx?sso=0		
4	"Firewise Guide to Landscape and Construction," Firewise Communities.		
	http://firewise.org/wildfire-preparedness/be-firewise/home-and-landscape.aspx		
5	Safety Tins, Okanogan County Fire District 6		

5 Safety Tips, Okanogan County Fire District 6.

