

Wildland Fire Study: A Nationwide Survey of Citizens
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2001-2003

1. Prior to this survey, how much had you thought about wildfires in forests, rangelands, or grasslands?

	a great deal	a moderate amount				none
	1-----	2-----	3-----	4-----	5	
▶ national	13%	17%	37%	20%	13%	
▶ AZ	32%	31%	27%	7%	3%	
▶ UT	20%	23%	40%	14%	3%	
▶ OR	39%	28%	28%	4%	1%	
▶ CO	41%	30%	24%	4%	1%	
▶ GA	19%	17%	37%	19%	9%	
▶ FL	30%	21%	37%	8%	5%	
▶ MN	28%	30%	31%	11%	2%	
▶ WI	25%	27%	35%	12%	1%	
▶ MI	25%	28%	27%	14%	5%	

2. About how far is it from your home to a natural area where a wildfire might burn?

	<u>mean</u>
▶ AZ	3 miles
▶ UT	5 miles
▶ OR	4 miles
▶ CO	4 miles
▶ GA	5 miles
▶ FL	4 miles
▶ MN	6 miles
▶ WI	2 miles
▶ MI	4 miles

3. About how often do you spend time in a national forest or national park (national wildlife refuge, state forest)?

	daily	several times a week	about once a week	about once a month	a few times a year	less than once a year	never
▶ national	1%	1%	4%	10%	47%	27%	10%
▶ AZ	4%	10%	12%	20%	39%	11%	4%
▶ UT	1%	5%	10%	22%	54%	8%	1%
▶ OR	8%	14%	18%	18%	34%	6%	3%
▶ CO	11%	16%	20%	14%	33%	4%	1%
▶ GA	2%	4%	5%	8%	33%	29%	19%
▶ FL	2%	2%	9%	8%	32%	38%	9%

4. In your opinion, how would you rate the likelihood that a wildfire could break out in the forests, rangelands, or grasslands near your home in the next five years?

	very likely 1	somewhat likely 2	somewhat unlikely 3	very unlikely 4	don't know 5
▶ AZ	37%	39%	12%	7%	6%
▶ UT	52%	33%	6%	6%	4%
▶ OR	53%	32%	6%	7%	2%
▶ CO	42%	35%	11%	9%	4%
▶ GA	12%	38%	24%	10%	17%
▶ FL	28%	34%	19%	8%	12%
▶ MN	13%	37%	32%	10%	9%
▶ WI	9%	41%	33%	10%	8%
▶ MI	18%	39%	24%	11%	8%

5. **Public trust** in natural resource agencies is essential to the success of fire protection programs. Please indicate your level of trust in these agencies to make good decisions about wildfires and fire prevention. If you feel you have no basis for judgment, please mark “no opinion.”

		national	AZ	UT	OR	CO	GA	FL	MN	WI	MI
City Government	moderate/full	-	40%	36%	42%	47%	20%	37%	31%	35%	19%
	none/limited	-	44%	50%	39%	37%	59%	44%	42%	46%	49%
	no opinion	-	16%	13%	19%	16%	21%	19%	28%	19%	32%
County Government	moderate/full	-	48%	55%	47%	62%	39%	48%	46%	54%	31%
	none/limited	-	37%	36%	38%	27%	47%	37%	36%	36%	44%
	no opinion	-	15%	9%	15%	11%	14%	15%	18%	10%	26%
State Government	moderate/full	37%	49%	65%	70%	57%	78%	-	76%	65%	63%
	none/limited	35%	36%	27%	19%	31%	9%	-	16%	28%	26%
	no opinion	29%	15%	9%	12%	12%	13%	-	8%	7%	11%
Bureau of Land Management	moderate/full	31%	61%	76%	64%	57%	-	-	-	-	-
	none/limited	35%	24%	16%	25%	24%	-	-	-	-	-
	no opinion	34%	15%	9%	11%	20%	-	-	-	-	-
US Forest Service	moderate/full	59%	76%	82%	70%	72%	75%	78%	77%	71%	69%
	none/limited	20%	17%	11%	23%	18%	11%	11%	14%	22%	19%
	no opinion	22%	8%	8%	8%	10%	14%	11%	9%	7%	12%
National Park Service	moderate/full	62%	71%	-	-	69%	-	-	-	-	-
	none/limited	18%	18%	-	-	19%	-	-	-	-	-
	no opinion	21%	11%	-	-	12%	-	-	-	-	-
US Fish and Wildlife Service	moderate/full	58%	-	-	-	-	68%	74%	-	-	-
	none/limited	20%	-	-	-	-	13%	15%	-	-	-
	no opinion	22%	-	-	-	-	19%	11%	-	-	-

6. We're interested in learning more about what residents of your area **know about wildfires**. Please answer the following questions to the best of your ability by indicating whether you believe the answer is generally true, generally false, or that you are not sure.

		national	AZ	UT	OR	CO	GA	FL	MN	WI	MI
Humans cause most of the wildfires in your state (U.S.).	generally true	48%	67%	55%	54%	42%	76%	69%	64%	67%	75%
	generally false	32%	21%	36%	38%	48%	12%	26%	21%	16%	9%
	not sure	21%	12%	9%	8%	10%	12%	5%	15%	17%	16%
Fires kill a majority of animals in a burned area.	generally true	24%	22%	32%	26%	17%	36%	29%	-	-	-
	generally false	48%	50%	49%	54%	64%	46%	46%	-	-	-
	not sure	28%	28%	19%	20%	19%	18%	25%	-	-	-
Fires kill a majority of large trees in a burned area.	generally true	29%	49%	77%	53%	51%	48%	59%	-	-	-
	generally false	39%	36%	15%	40%	32%	40%	31%	-	-	-
	not sure	32%	15%	8%	7%	17%	12%	11%	-	-	-
The quality of water in streams and rivers is often badly degraded in the first year or two after a wildfire.	generally true	-	54%	60%	60%	57%	35%	31%	-	-	-
	generally false	-	12%	17%	17%	18%	19%	32%	-	-	-
	not sure	-	34%	23%	23%	25%	46%	37%	-	-	-
Many plants require occasional fires so that new seeds or seedlings can sprout.	generally true	62%	84%	78%	82%	86%	69%	66%	79%	73%	66%
	generally false	12%	4%	10%	7%	3%	13%	14%	10%	13%	14%
	not sure	27%	12%	12%	11%	11%	18%	20%	12%	15%	20%
Fires play an important role in controlling noxious weeds in your state's forests and rangelands.	generally true	-	59%	50%	64%	51%	-	-	-	-	-
	generally false	-	11%	27%	11%	20%	-	-	-	-	-
	not sure	-	30%	23%	25%	29%	-	-	-	-	-
Fires play an important role in controlling insect and disease outbreaks in forests and rangelands.	generally true	62%	-	-	81%	77%	55%	52%	48%	52%	45%
	generally false	10%	-	-	5%	6%	19%	19%	13%	18%	20%
	not sure	28%	-	-	13%	17%	25%	29%	39%	30%	35%

The next few questions ask for your opinions about specific practices that resource managers can use to change environmental conditions in forests and rangelands. Please read the following descriptions, then answer the questions about management practices.

- **Prescribed fire** – Also called controlled burning, this practice can involve 1) letting a naturally caused fire burn under close and careful watch; or 2) intentionally setting fires in ways that can be controlled to produce desired conditions and protect against undesired results.
- **Mechanical vegetation control** – Managers can use chainsaws, mowers, or other specialized machines to reduce the number of shrubs and small trees where they are so numerous that they increase the risk and size of wildfires.
- **Grazing** – In some cases, domestic animals can be placed in areas where they graze on plants before they dry out in summer, thus reducing the amount of flammable vegetation later on.
- **Restoration planting** – Planting native, fire-adapted, or less flammable species that can slow the spread of wildfires.
- **Thinning** – In some cases, high-risk areas with numerous trees, the trees are too big for mowing machines but can be thinned out using chain saws or other harvesting equipment.

7. In my opinion, intentionally setting **prescribed fires** on public forests and rangelands (wildlife refuges) is:

	national	AZ	UT	OR	CO	GA	FL	MN	WI	MI
▶ a legitimate tool that resource managers should be able to use whenever they see fit.	41%	46%	39%	56%	46%	42%	60%	47%	35%	31%
▶ something that should be done only infrequently, in carefully selected areas.	39%	46%	47%	34%	45%	38%	32%	40%	51%	42%
▶ a practice that should not be considered because it creates too many negative impacts.	4%	3%	4%	5%	3%	2%	2%	1%	3%	4%
▶ an unnecessary practice.	1%	2%	3%	2%	1%	2%	0%	2%	4%	4%
▶ I know too little to make a judgment about this topic.	15%	4%	8%	3%	5%	15%	6%	10%	8%	18%

8. In my opinion, **mechanical vegetation removal** on public forests and rangelands is:

	national	AZ	UT	OR	CO	GA	FL	MN	WI	MI
▶ a legitimate tool that resource managers should be able to use whenever they see fit.	48%	62%	45%	64%	59%	59%	51%	52%	52%	45%
▶ something that should be done only infrequently, in carefully selected areas.	25%	27%	34%	19%	24%	12%	29%	25%	24%	31%
▶ a practice that should not be considered because it creates too many negative impacts.	3%	3%	5%	4%	3%	4%	3%	3%	3%	3%
▶ an unnecessary practice.	3%	1%	3%	3%	3%	5%	5%	2%	5%	5%
▶ I know too little to make a judgment about this topic.	21%	7%	12%	10%	10%	21%	12%	18%	17%	17%

9. In my opinion, **grazing** on forests and rangelands to reduce wildland fuels is:

	national	AZ	UT	OR	CO	GA	FL	MN	WI	MI
▶ a legitimate tool that resource managers should be able to use whenever they see fit.	-	71%	72%	60%	62%	46%	51%	-	-	-
▶ something that should be done only infrequently, in carefully selected areas.	-	15%	14%	26%	21%	11%	12%	-	-	-
▶ a practice that should not be considered because it creates too many negative impacts.	-	5%	4%	9%	6%	6%	6%	-	-	-
▶ an unnecessary practice.	-	2%	3%	1%	3%	7%	5%	-	-	-
▶ I know too little to make a judgment about this topic.	-	7%	7%	5%	9%	30%	26%	-	-	-

10. In my opinion, **restoration planting** to prevent wildfires on public forests and rangelands is:

	national	AZ	UT	OR	CO	GA	FL	MN	WI	MI
▶ a legitimate tool that resource managers should be able to use whenever they see fit.	-	83%	83%	-	83%	-	-	-	-	-
▶ something that should be done only infrequently, in carefully selected areas.	-	7%	8%	-	6%	-	-	-	-	-
▶ a practice that should not be considered because it creates too many negative impacts.	-	1%	0%	-	0%	-	-	-	-	-
▶ an unnecessary practice.	-	1%	1%	-	2%	-	-	-	-	-
▶ I know too little to make a judgment about this topic.	-	7%	8%	-	8%	-	-	-	-	-

11. Not everyone agrees about the **impacts and effectiveness of fuels management practices**. We'd like to know what *you* believe about the practices described on the previous page. For each of the following statements, please circle the number that best reflects your belief about the accuracy of the statement. You are not being judged on right or wrong answers – we are interested in your opinion. If you feel you do not know enough to give an opinion, please circle “don't know” for that statement.

		AZ	UT	OR	CO	GA	FL	MN	WI	MI
Prescribed fire has little overall effect on the intensity or frequency of wildfires.	agree	22%	27%	22%	20%	38%	21%	19%	33%	24%
	disagree	66%	58%	68%	67%	50%	63%	67%	44%	52%
	don't know	12%	16%	10%	13%	12%	16%	14%	23%	24%
Prescribed fire effectively reduces amounts of fuel in most forest and rangelands.	agree	81%	77%	85%	87%	66%	72%	78%	76%	70%
	disagree	9%	9%	9%	6%	10%	8%	10%	10%	11%
	don't know	10%	15%	7%	7%	24%	20%	12%	14%	18%
Prescribed fire stimulates the growth of native plants eaten by wildlife.	agree	69%	65%	81%	77%	77%	73%	-	-	-
	disagree	8%	9%	4%	4%	8%	2%	-	-	-
	don't know	23%	26%	16%	19%	15%	25%	-	-	-
Prescribed fire reduces the amount of useful minerals in the soil.	agree	13%	9%	-	6%	11%	6%	-	-	-
	disagree	64%	68%	-	76%	63%	58%	-	-	-
	don't know	23%	23%	-	19%	26%	36%	-	-	-

		AZ	UT	OR	CO	GA	FL	MN	WI	MI
Mechanical vegetation removal is an effective way to reduce the intensity and frequency of wildfires.	agree	73%	61%	-	75%	63%	58%	-	-	-
	disagree	11%	22%	-	10%	9%	20%	-	-	-
	don't know	16%	17%	-	15%	28%	22%	-	-	-
Mechanical vegetation removal often leaves behind unacceptable amounts of fuel in natural areas.	agree	20%	26%	19%	25%	22%	30%	-	-	-
	disagree	42%	37%	50%	28%	33%	22%	-	-	-
	don't know	38%	38%	32%	47%	45%	48%	-	-	-
Mechanical vegetation removal stimulates the growth of native plants eaten by wildlife.	agree	53%	44%	-	41%	45%	37%	-	-	-
	disagree	16%	20%	-	10%	14%	16%	-	-	-
	don't know	31%	35%	-	49%	41%	47%	-	-	-
Livestock grazing has little overall effect on the intensity or frequency of wildfires.	agree	36%	30%	-	27%	-	-	-	-	-
	disagree	49%	56%	-	45%	-	-	-	-	-
	don't know	15%	14%	-	28%	-	-	-	-	-
Livestock grazing stimulates the growth of native plants used by wildlife.	agree	44%	39%	-	30%	-	-	-	-	-
	disagree	26%	33%	-	32%	-	-	-	-	-
	don't know	30%	27%	-	37%	-	-	-	-	-
Restoration planting is an effective way to reduce the intensity and frequency of wildfires.	agree	61%	57%	-	62%	-	-	-	-	-
	disagree	11%	15%	-	10%	-	-	-	-	-
	don't know	28%	27%	-	28%	-	-	-	-	-
Restoration planting cannot re-create a natural area, only create a different kind of artificial one.	agree	26%	24%	-	17%	-	-	-	-	-
	disagree	43%	57%	-	57%	-	-	-	-	-
	don't know	31%	19%	-	26%	-	-	-	-	-

12. To further help natural resource managers make decisions, please tell us how you feel about the following by circling the number that best matches your agreement with each statement.

		national	AZ	UT	OR	CO	GA	FL	MN	WI	MI
Following nature's way is preferable to human intervention in ecosystems.	agree	51%	45%	48%	40%	50%	55%	49%	-	-	-
	disagree	17%	31%	28%	38%	28%	19%	22%	-	-	-
	uncertain	32%	24%	24%	22%	22%	26%	29%	-	-	-
All fires, regardless of origin, should be put out as soon as possible.	agree	27%	23%	20%	22%	15%	27%	23%	26%	35%	39%
	disagree	53%	57%	64%	63%	74%	55%	61%	57%	48%	41%
	uncertain	20%	21%	16%	15%	12%	18%	16%	17%	18%	20%
Selectively thinning dead and dying trees is better than leaving them in the forest.	agree	66%	83%	73%	80%	73%	63%	61%	73%	70%	73%
	disagree	15%	6%	12%	12%	10%	16%	17%	13%	18%	13%
	uncertain	20%	12%	15%	10%	17%	21%	22%	14%	12%	15%
Fire risks are so great in your state that managers need to use any means necessary to reduce them.	agree	-	53%	43%	56%	45%	39%	52%	16%	10%	17%
	disagree	-	29%	32%	29%	33%	26%	27%	54%	67%	51%
	uncertain	-	18%	24%	15%	22%	35%	22%	30%	23%	32%

13. We'd like to know what you think about the **scenic impact** of these practices. For each practice, please circle the number that best describes how acceptable you believe the likely impacts are.

		AZ	UT	OR	CO	GA	FL	MN	WI	MI
▶ prescribed fire	acceptable	68%	54%	67%	65%	-	-	58%	52%	44%
	unacceptable	16%	19%	16%	17%	-	-	7%	15%	19%
	neutral	14%	27%	17%	17%	-	-	35%	34%	37%
▶ mechanical vegetation removal	acceptable	66%	54%	64%	63%	-	-	64%	57%	56%
	unacceptable	13%	21%	10%	16%	-	-	8%	12%	11%
	neutral	19%	24%	24%	21%	-	-	28%	32%	33%
▶ livestock grazing	acceptable	71%	69%	67%	65%	-	-	-	-	-
	unacceptable	12%	13%	17%	16%	-	-	-	-	-
	neutral	15%	18%	16%	19%	-	-	-	-	-
▶ restoration planting	acceptable	84%	85%	-	83%	-	-	-	-	-
	unacceptable	5%	1%	-	3%	-	-	-	-	-
	neutral	9%	14%	-	14%	-	-	-	-	-

14. The use of prescribed fire may create concerns for some people. Please indicate how concerned you are about the following possible effects in your area.

		concern	national	AZ	UT	OR	CO	GA	FL	MN	WI	MI
▶ damage to private property	moderate/great		59%	44%	52%	45%	56%	47%	55%	42%	45%	50%
	none/slight		42%	56%	48%	55%	44%	53%	45%	58%	55%	50%
▶ effects on recreation opportunities	moderate/great		41%	36%	43%	35%	66%	32%	37%	27%	34%	48%
	none/slight		60%	64%	57%	65%	34%	68%	63%	73%	66%	53%
▶ loss of wildlife and fish habitat	moderate/great		64%	44%	56%	43%	46%	52%	56%	40%	45%	54%
	none/slight		36%	56%	44%	57%	54%	48%	44%	60%	55%	46%
▶ risk to human safety	moderate/great		59%	42%	49%	38%	46%	49%	65%	-	-	-
	none/slight		41%	58%	51%	62%	54%	51%	35%	-	-	-
▶ economic loss of useable timber	moderate/great		44%	33%	36%	41%	20%	38%	45%	46%	37%	42%
	none/slight		55%	67%	64%	59%	80%	62%	55%	54%	63%	58%
▶ reduced scenic quality	moderate/great		42%	42%	46%	43%	36%	45%	42%	36%	41%	51%
	none/slight		58%	58%	54%	57%	66%	55%	58%	65%	59%	49%
▶ increased levels of smoke	moderate/great		53%	56%	56%	48%	42%	62%	55%	37%	44%	49%
	none/slight		47%	44%	44%	52%	58%	38%	45%	63%	56%	51%
▶ deteriorated public water supply	moderate/great		56%	45%	57%	44%	38%	56%	41%	36%	38%	42%
	none/slight		44%	55%	43%	56%	62%	44%	59%	64%	62%	58%
▶ increased soil erosion	moderate/great		-	55%	67%	46%	51%	56%	43%	40%	51%	55%
	none/slight		-	45%	33%	54%	49%	44%	57%	60%	49%	45%

15. How much confidence do you have in federal agencies such as the U.S. Forest Service, the Bureau of Land Management, or the Fish and Wildlife Service to use the following practices as part of a responsible and effective fuels management program for your county?

		AZ	UT	OR	CO	GA	FL	MN	WI	MI
▶ prescribed fire	moderate/full	70%	59%	63%	61%	74%	70%	66%	50%	51%
	none/limited	28%	36%	33%	37%	13%	19%	24%	41%	32%
	no opinion	2%	5%	4%	8%	14%	11%	10%	9%	16%
▶ mechanical vegetation removal	moderate/full	70%	60%	66%	63%	60%	56%	73%	56%	55%
	none/limited	28%	32%	27%	29%	20%	31%	18%	34%	24%
	no opinion	2%	8%	7%	8%	20%	13%	10%	10%	21%
▶ livestock grazing	moderate/full	62%	63%	59%	62%	58%	69%	-	-	-
	none/limited	36%	32%	36%	31%	23%	16%	-	-	-
	no opinion	2%	5%	5%	7%	19%	16%	-	-	-
▶ restoration planting	moderate/full	72%	79%	-	78%	-	-	-	-	-
	none/limited	23%	14%	-	16%	-	-	-	-	-
	no opinion	5%	8%	-	6%	-	-	-	-	-

16. Often natural resource managers must decide how to make **tradeoffs** between different approaches or goals. For each of the five pairs of statements below, please tell us what you would prefer managers to do by circling the number that best reflects your beliefs about the choice between the statement in Column A and the statement in Column B. If you truly feel you do not know enough to give an opinion, circle “don’t know.”

	Column A		Column B	
	Prescribed fire should be the preferred option when reducing wildland fuels.	<i>Neutral</i>	Mechanical removal should be the preferred option when reducing wildland fuels.	<i>Don't know</i>
AZ	35%	17%	38%	10%
UT	36%	20%	36%	8%
OR	34%	22%	36%	9%
CO	36%	20%	34%	10%
GA	37%	30%	17%	16%
FL	40%	23%	27%	10%
	Use prescribed fire in both wild <i>and</i> populated areas to reduce wildfire danger.	<i>Neutral</i>	Do not attempt to use prescribed fire in populated areas even if it means a higher risk of wildfires.	<i>Don't know</i>
AZ	29%	24%	36%	11%
UT	31%	20%	42%	8%
OR	32%	18%	44%	7%
CO	34%	24%	35%	7%
GA	44%	28%	19%	9%
FL	58%	19%	18%	5%
	Use fuels reduction practices in highly scenic areas even if doing so temporarily hurts scenic beauty.	<i>Neutral</i>	Do not use fuels reduction practices in highly scenic locations.	<i>Don't know</i>
AZ	50%	17%	22%	12%
UT	43%	21%	26%	9%
OR	55%	18%	23%	5%
CO	60%	21%	12%	7%
GA	40%	26%	25%	10%
FL	47%	16%	27%	10%
	Allow livestock grazing wherever it is likely to reduce fuel levels.	<i>Neutral</i>	Prohibit livestock grazing in recreation areas even when it can be used to reduce fuel levels.	<i>Don't know</i>
AZ	66%	11%	17%	7%
UT	67%	15%	16%	2%
OR	59%	17%	20%	4%
CO	56%	19%	20%	5%
GA	65%	17%	9%	9%
FL	71%	13%	11%	5%
	Try to restore native plants wherever they can be useful for reducing wildfire risks.	<i>Neutral</i>	Restore native plants only when doing so won't reduce an area's value for recreation or livestock.	<i>Don't know</i>
AZ	65%	12%	14%	9%
UT	70%	14%	15%	2%
CO	76%	7%	12%	5%
	Use livestock grazing to remove “fine fuels” such as dead grass in areas where people live close to wildlands.	<i>Neutral</i>	Use prescribed fire to remove “fine fuels” such as dead grass in areas where people live close to wildlands.	<i>Don't know</i>
UT	71%	12%	11%	6%
GA	59%	15%	16%	10%
FL	66%	18%	13%	3%

17. Some people worry about prescribed fire reaching their property, or a place that they care about. How concerned would you be if a prescribed fire was:

	concern	AZ	UT	OR	CO	GA	FL
▶ anywhere in the U.S.?	moderate/great	29%	25%	28%	17%	28%	31%
	none/slight	71%	75%	72%	83%	72%	69%
▶ within 100 miles of you?	moderate/great	27%	29%	27%	24%	28%	30%
	none/slight	73%	71%	73%	76%	72%	70%
▶ where you can see the smoke?	moderate/great	41%	49%	47%	41%	54%	54%
	none/slight	59%	51%	53%	59%	46%	46%
▶ within 10 miles of your community or property?	moderate/great	54%	60%	55%	54%	56%	58%
	none/slight	46%	40%	45%	44%	44%	42%
▶ one mile from your community of property?	moderate/great	71%	79%	70%	88%	75%	75%
	none/slight	29%	21%	30%	12%	25%	25%
▶ adjacent to your property?	moderate/great	85%	89%	81%	88%	82%	86%
	none/slight	15%	11%	19%	12%	18%	14%

18. For some people, reducing fuels by mechanical vegetation removal may be a concern. How concerned would you be if a mechanical vegetation removal project was:

	concern	AZ	UT	OR	CO	GA	FL
▶ anywhere in the U.S.?	moderate/great	17%	11%	7%	11%	-	-
	none/slight	83%	89%	93%	89%	-	-
▶ within 100 miles of you?	moderate/great	16%	14%	7%	15%	-	-
	none/slight	84%	86%	93%	85%	-	-
▶ where you can see the smoke?	moderate/great	28%	23%	20%	28%	-	-
	none/slight	72%	77%	80%	72%	-	-
▶ within 10 miles of your community or property?	moderate/great	28%	27%	20%	29%	-	-
	none/slight	72%	73%	80%	71%	-	-
▶ one mile from your community of property?	moderate/great	36%	30%	29%	35%	-	-
	none/slight	64%	70%	71%	65%	-	-
▶ adjacent to your property?	moderate/great	46%	37%	37%	50%	-	-
	none/slight	54%	63%	63%	50%	-	-

19. Which of the following items reflect your opinion about smoke from prescribed fire? (*Please check all of the answers that apply.*)

		AZ	UT	OR	CO	GA	FL
▶ Smoke from prescribed fire has never been an issue with me.	<i>agree</i>	35%	29%	25%	32%	34%	31%
▶ Smoke from prescribed fire is a necessary inconvenience.	<i>agree</i>	48%	47%	54%	56%	38%	51%
▶ Smoke levels from prescribed fire are a concern, but I think they are managed acceptably.	<i>agree</i>	46%	45%	51%	48%	52%	46%
▶ I worry about the effects of smoke from prescribed fire on public health.	<i>agree</i>	33%	43%	31%	35%	24%	54%
▶ I worry about the effects of smoke from prescribed fire on travel safety.	<i>agree</i>	22%	28%	38%	18%	37%	57%
▶ Because of the smoke, prescribed fire isn't worth it.	<i>agree</i>	6%	10%	6%	4%	4%	3%

20. Even though prescribed fires are planned in order to minimize smoke, some smoke is usually unavoidable. We would like to know how much smoke is acceptable to you, and what is the amount of time that you can tolerate at each level. For each statement, please place an X in the box that best matches your level of tolerance for that level of smoke intensity.

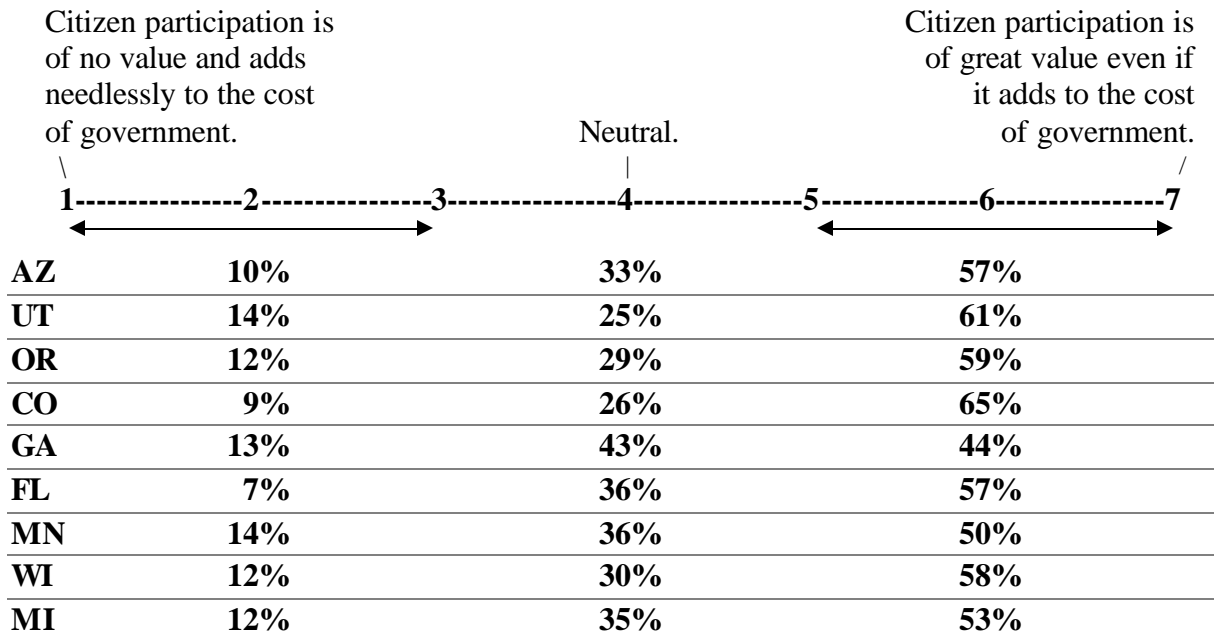
Visibility:		AZ	UT	OR	CO	GA	FL
Smoke plumes visible in the distance, but no decrease in visual quality near my residence or workplace.	not acceptable	3%	4%	2%	3%	8%	2%
	a few hours	9%	9%	6%	4%	6%	20%
	1 day	9%	16%	15%	17%	23%	13%
	3 days	23%	29%	20%	12%	11%	13%
	1 week	18%	13%	18%	18%	10%	16%
	more than 1 week	37%	27%	39%	46%	42%	36%
Light haze visible on the horizon and some decrease in visual quality, but not enough to affect my activities.	not acceptable	5%	4%	3%	4%	11%	3%
	a few hours	5%	10%	8%	6%	17%	14%
	1 day	15%	22%	12%	15%	15%	21%
	3 days	26%	25%	24%	16%	10%	22%
	1 week	18%	18%	19%	22%	20%	22%
	more than 1 week	31%	21%	35%	37%	27%	18%
Smoke is apparent near my residence or workplace and visual quality has decreased so some activities are affected.	not acceptable	13%	17%	15%	11%	23%	19%
	a few hours	19%	18%	18%	19%	27%	24%
	1 day	21%	32%	27%	16%	18%	21%
	3 days	23%	17%	19%	24%	17%	21%
	1 week	19%	11%	15%	19%	9%	14%
	more than 1 week	5%	6%	6%	11%	5%	0%
High levels of smoke have caused poor visual quality that affects my ability to do many activities.	not acceptable	35%	43%	43%	28%	54%	51%
	a few hours	21%	26%	17%	21%	19%	0%
	1 day	23%	19%	21%	24%	14%	21%
	3 days	7%	7%	11%	15%	10%	4%
	1 week	9%	3%	5%	10%	1%	25%
	more than 1 week	5%	3%	2%	3%	1%	0%
Odor/Breathability:							
Smoke plumes are visible in the distance, but I cannot smell smoke when I breathe.	not acceptable	4%	5%	3%	4%	8%	5%
	a few hours	8%	8%	5%	2%	8%	25%
	1 day	11%	15%	13%	12%	17%	8%
	3 days	17%	24%	14%	12%	12%	9%
	1 week	19%	16%	18%	16%	10%	14%
	more than 1 week	40%	32%	48%	54%	46%	39%
Occasionally I can smell smoke, but it doesn't affect me otherwise.	not acceptable	8%	7%	10%	4%	12%	5%
	a few hours	13%	14%	10%	7%	13%	28%
	1 day	17%	23%	13%	14%	23%	14%
	3 days	17%	19%	16%	16%	16%	8%
	1 week	18%	19%	18%	23%	13%	23%
	more than 1 week	27%	18%	33%	36%	23%	22%
I notice the smoke slightly when I breathe.	not acceptable	18%	18%	22%	14%	30%	19%
	a few hours	19%	19%	19%	20%	29%	26%
	1 day	20%	30%	18%	20%	21%	19%
	3 days	17%	18%	19%	19%	8%	17%
	1 week	16%	11%	15%	16%	5%	9%
	more than 1 week	11%	4%	9%	11%	8%	11%
Smoke is highly noticeable each time I breathe, even indoors.	not acceptable	54%	54%	56%	44%	71%	66%
	a few hours	14%	24%	17%	23%	10%	11%
	1 day	18%	14%	15%	14%	10%	8%
	3 days	6%	6%	8%	11%	5%	8%
	1 week	5%	2%	3%	7%	0%	5%
	more than 1 week	2%	1%	1%	1%	4%	3%

21. Fire managers have used various programs to provide information about management actions such as fire prevention, prescribed burning, and thinning hazardous fuels. We want to know how useful you think these types of information are – in other words, do they provide you with information that you find easy to understand, that you trust, and is helpful. For each of the following types of information about fire and fuels management, please circle the best answer in each column. If you are unfamiliar with an information source, or have never used that source, please mark the space on the far right “no opinion.”

		AZ	UT	OR	CO	GA	FL	MN	WI	MI
Smokey Bear message	Easy to understand? <i>yes</i>	100%	91%	100%	100%	100%	100%	-	-	-
	Trustworthy? <i>yes</i>	96%	98%	93%	93%	100%	100%	-	-	-
	How helpful is the information to you? <i>very</i>	55%	53%	47%	35%	63%	53%	-	-	-
	<i>slightly</i>	36%	45%	44%	49%	32%	39%	-	-	-
	<i>not</i>	9%	3%	10%	16%	5%	8%	-	-	-
No opinion	10%	5%	11%	8%	6%	8%	-	-	-	
informational brochures	Easy to understand? <i>yes</i>	95%	97%	94%	96%	92%	97%	89%	88%	92%
	Trustworthy? <i>yes</i>	92%	97%	91%	95%	93%	97%	83%	72%	84%
	How helpful is the information to you? <i>very</i>	53%	42%	47%	63%	48%	39%	41%	33%	36%
	<i>slightly</i>	39%	53%	46%	32%	46%	56%	51%	56%	56%
	<i>not</i>	8%	6%	8%	6%	7%	6%	8%	11%	8%
No opinion	23%	34%	21%	29%	32%	29%	37%	40%	50%	
TV public service messages	Easy to understand? <i>yes</i>	100%	97%	98%	97%	93%	98%	-	-	-
	Trustworthy? <i>yes</i>	92%	92%	91%	87%	88%	91%	-	-	-
	How helpful is the information to you? <i>very</i>	51%	48%	45%	46%	42%	52%	-	-	-
	<i>slightly</i>	44%	48%	50%	45%	52%	43%	-	-	-
	<i>not</i>	5%	4%	5%	9%	6%	5%	-	-	-
No opinion	18%	15%	15%	17%	20%	15%	-	-	-	
interpretive signs on trails or at visitor centers	Easy to understand? <i>yes</i>	95%	96%	97%	97%	98%	96%	93%	88%	90%
	Trustworthy? <i>yes</i>	97%	94%	94%	96%	98%	95%	89%	83%	87%
	How helpful is the information to you? <i>very</i>	70%	72%	66%	66%	66%	71%	46%	30%	37%
	<i>slightly</i>	27%	24%	29%	28%	28%	27%	44%	63%	52%
	<i>not</i>	3%	4%	5%	6%	6%	2%	10%	7%	11%
No opinion	12%	14%	14%	8%	21%	22%	35%	35%	39%	
internet web pages	Easy to understand? <i>yes</i>	71%	66%	71%	81%	60%	80%	73%	71%	67%
	Trustworthy? <i>yes</i>	69%	68%	59%	85%	65%	74%	55%	40%	39%
	How helpful is the information to you? <i>very</i>	45%	17%	17%	39%	20%	39%	26%	16%	22%
	<i>slightly</i>	28%	46%	48%	43%	40%	33%	41%	49%	41%
	<i>not</i>	28%	38%	35%	18%	40%	28%	33%	35%	37%
No opinion	75%	68%	63%	64%	67%	60%	53%	49%	58%	

			AZ	UT	OR	CO	GA	FL	MN	WI	MI
guided field trips	Easy to understand?	<i>yes</i>	91%	99%	93%	95%	88%	97%	96%	94%	94%
	Trustworthy?	<i>yes</i>	90%	100%	92%	95%	86%	100%	94%	89%	90%
	How helpful is the information to you?	<i>very</i>	72%	69%	61%	66%	59%	72%	55%	46%	57%
		<i>slightly</i>	14%	24%	33%	23%	27%	25%	38%	48%	32%
		<i>not</i>	14%	8%	6%	11%	14%	3%	8%	6%	12%
No opinion		59%	55%	53%	51%	64%	39%	47%	47%	56%	
government public meetings	Easy to understand?	<i>yes</i>	64%	43%	48%	60%	59%	67%	82%	73%	68%
	Trustworthy?	<i>yes</i>	59%	49%	47%	66%	63%	73%	76%	64%	63%
	How helpful is the information to you?	<i>very</i>	40%	17%	23%	37%	24%	33%	38%	27%	28%
		<i>slightly</i>	29%	46%	51%	31%	47%	46%	52%	62%	43%
		<i>not</i>	31%	36%	26%	31%	29%	21%	10%	12%	30%
No opinion		58%	55%	58%	58%	66%	52%	41%	34%	51%	
conversations with public agency employees	Easy to understand?	<i>yes</i>	77%	78%	77%	87%	71%	86%	89%	79%	81%
	Trustworthy?	<i>yes</i>	70%	82%	71%	88%	63%	85%	86%	71%	74%
	How helpful is the information to you?	<i>very</i>	50%	40%	46%	64%	35%	62%	60%	43%	47%
		<i>slightly</i>	24%	51%	36%	23%	35%	24%	31%	46%	37%
		<i>not</i>	26%	9%	18%	14%	30%	14%	9%	10%	16%
No opinion		52%	51%	41%	48%	66%	46%	40%	43%	54%	
regular newsletters	Easy to understand?	<i>yes</i>	95%	91%	89%	94%	81%	93%	91%	82%	80%
	Trustworthy?	<i>yes</i>	90%	95%	82%	92%	85%	92%	76%	68%	72%
	How helpful is the information to you?	<i>very</i>	48%	37%	43%	50%	46%	46%	37%	25%	24%
		<i>slightly</i>	45%	57%	47%	40%	33%	46%	51%	62%	61%
		<i>not</i>	7%	6%	10%	10%	21%	8%	13%	14%	15%
No opinion		50%	48%	52%	44%	54%	49%	40%	39%	51%	
elementary school programs	Easy to understand?	<i>yes</i>	95%	99%	94%	93%	94%	94%	92%	91%	89%
	Trustworthy?	<i>yes</i>	90%	99%	86%	91%	94%	100%	81%	80%	82%
	How helpful is the information to you?	<i>very</i>	55%	65%	58%	58%	67%	64%	34%	36%	42%
		<i>slightly</i>	33%	30%	31%	26%	18%	26%	49%	54%	39%
		<i>not</i>	12%	5%	11%	16%	15%	10%	17%	10%	18%
No opinion		54%	39%	51%	63%	45%	40%	47%	47%	58%	
special sections in newspapers	Easy to understand?	<i>yes</i>	97%	95%	92%	97%	79%	88%	-	-	-
	Trustworthy?	<i>yes</i>	92%	88%	86%	94%	73%	81%	-	-	-
	How helpful is the information to you?	<i>very</i>	55%	38%	45%	57%	42%	53%	-	-	-
		<i>slightly</i>	40%	53%	41%	35%	46%	40%	-	-	-
		<i>not</i>	5%	9%	13%	8%	12%	8%	-	-	-
No opinion		37%	40%	36%	42%	46%	28%	-	-	-	

22. Recently there has been considerable debate over efforts to increase citizen participation in federal land management. Where would you place yourself regarding these efforts?



23. In your opinion, which is the most realistic role for the public in public land management?

	AZ	UT	OR	CO	GA	FL
▶ None , let natural resource professional make the decisions.	12%	6%	8%	5%	16%	18%
▶ Provide suggestions and let the natural resource professionals decide.	32%	27%	38%	30%	37%	25%
▶ Serve on advisory boards that review and comment on decisions.	41%	46%	35%	52%	35%	43%
▶ Act as a full and equal partner in making management decisions.	10%	15%	17%	13%	11%	8%
▶ The public should make the decisions and natural resource professionals should carry them out.	5%	7%	3%	0%	1%	6%

24. In your opinion, how well have agencies such as the Forest Service, Bureau of Land Management, and U.S. Fish and Wildlife Service done in incorporating public concerns into their management strategies?

	<u>AZ</u>	<u>UT</u>	<u>OR</u>	<u>CO</u>	<u>GA</u>	<u>FL</u>	<u>MN</u>	<u>WI</u>	<u>MI</u>
Excellent , public concerns are always considered by federal public land agencies.	7%	3%	3%	5%	10%	5%	8%	7%	7%
Good , public concerns are usually considered by federal public land agencies.	34%	27%	21%	42%	40%	48%	37%	33%	32%
Fair , public concerns are sometimes considered by federal public land agencies.	42%	54%	36%	47%	42%	25%	45%	39%	41%
Poor , public concerns are rarely or never considered by federal public land agencies.	16%	17%	16%	6%	8%	22%	11%	22%	21%

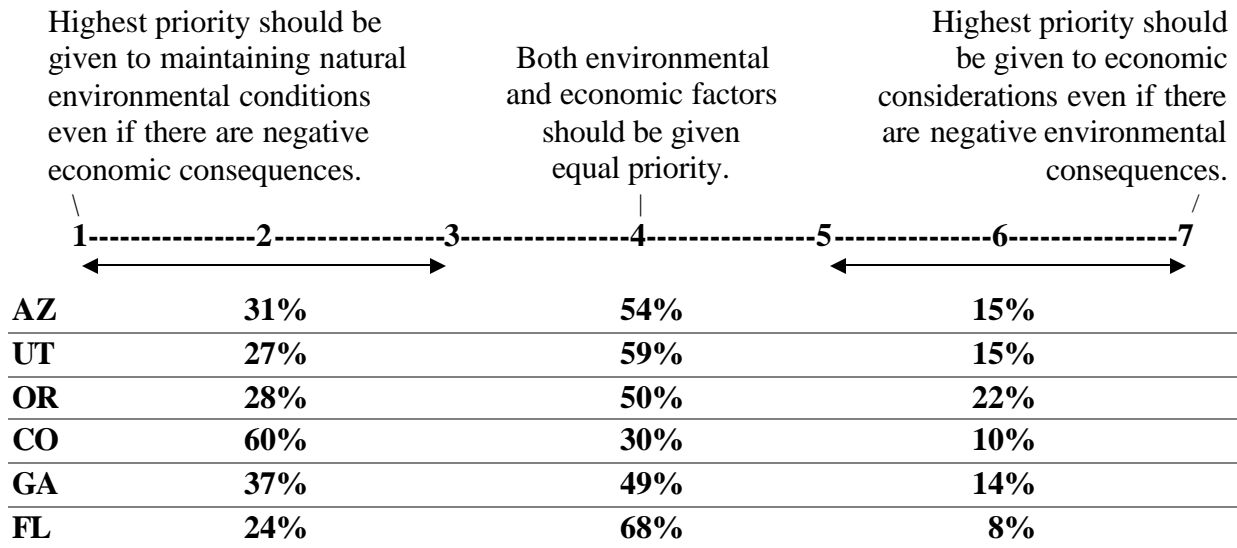
25. How interested are you in participating in the planning activities of federal public land agencies in general?

	<u>very interested</u>	<u>somewhat interested</u>	<u>slightly interested</u>	<u>not at all interested</u>
AZ	13%	36%	26%	25%
UT	17%	35%	30%	18%
OR	15%	38%	24%	23%
CO	6%	39%	29%	26%
GA	13%	28%	27%	32%
FL	14%	32%	30%	24%

26. How interested are you in participating in the planning activities of federal public land agencies as they consider using practices that could reduce the risk of wildfire in your county?

	<u>very interested</u>	<u>somewhat interested</u>	<u>slightly interested</u>	<u>not at all interested</u>
AZ	18%	32%	30%	20%
UT	18%	32%	30%	18%
OR	18%	36%	28%	18%
CO	11%	40%	27%	22%
GA	15%	27%	32%	27%
FL	19%	38%	25%	18%

27. Public land management often involves difficult trade-offs between natural environmental conditions (wildlife, old growth forests) and economic considerations (employment, tax revenues). Please locate yourself on the following scale concerning these issues.



28. How long have you live in the community where you now live?

	<u>mean</u>
national	25 years
AZ	15 years
UT	21 years
OR	15 years
CO	18 years
GA	20 years
FL	27 years
MN	30 years
WI	28 years
MI	31 years

29. How long have you lived in the same state?

	<u>mean</u>
national	38 years
AZ	25 years
UT	37 years
OR	30 years
CO	28 years
GA	40 years
FL	39 years
MN	48 years
WI	45 years
MI	51 years

30. Which of the following best describes the community where you live now?

	<u>urban area</u>	<u>suburban area</u>	<u>small town</u>	<u>rural area</u>
national	25%	21%	31%	23%
AZ	3%	10%	59%	28%
UT	5%	40%	39%	16%
OR	11%	14%	35%	40%
CO	9%	22%	17%	52%
GA	12%	24%	23%	41%
FL	18%	29%	30%	24%
MN	2%	1%	41%	57%
WI	2%	3%	38%	57%
MI	3%	3%	44%	50%

31. Which of the following best describes the community in which you grew up?

	<u>urban area</u>	<u>suburban area</u>	<u>small town</u>	<u>rural area</u>
national	16%	25%	37%	23%
AZ	20%	22%	40%	18%
UT	13%	24%	38%	24%
OR	18%	13%	41%	28%
CO	14%	30%	37%	20%
GA	16%	19%	29%	36%
FL	20%	23%	39%	17%

32. Gender

	<u>male</u>	<u>female</u>
national	65%	35%
AZ	67%	33%
UT	67%	33%
OR	68%	32%
CO	60%	40%
GA	59%	41%
FL	69%	31%
MN	73%	27%
WI	80%	20%
MI	74%	26%

33. Age

	<u>mean</u>
national	53 years
AZ	60 years
UT	49 years
OR	54 years
CO	51 years
GA	54 years
FL	54 years
MN	57 years
WI	58 years
MI	58 years

34. What is the highest level of education you have completed?

	<u>some high school</u>	<u>high school graduate</u>	<u>some college</u>	<u>bachelor's degree</u>	<u>some graduate school</u>	<u>completed graduate school</u>
national	8%	24%	29%	15%	7%	17%
AZ	6%	16%	45%	12%	6%	15%
UT	3%	22%	39%	20%	9%	8%
OR	3%	18%	43%	14%	9%	13%
CO	1%	13%	25%	25%	7%	29%
GA	6%	27%	24%	21%	7%	15%
FL	9%	23%	36%	13%	6%	12%
MN	9%	27%	35%	14%	6%	10%
WI	11%	32%	23%	13%	8%	12%
MI	12%	30%	34%	8%	8%	8%

35. Do you, or does anyone in your household, suffer from a respiratory ailment?

	<u>yes</u>	<u>no</u>
AZ	25%	75%
UT	38%	62%
OR	30%	70%
CO	25%	75%
GA	33%	67%
FL	28%	72%
MN	30%	70%
WI	23%	77%
MI	30%	70%