



**Public Perceptions of Smoke and Smoke
Communication:
A Longitudinal Panel Analysis**

**FREQUENCY REPORT
September 2013**

**A Joint Fire Science Project
ID # 12-3-01-21**

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This frequency report displays data from a mail-back questionnaire sent to the same individuals in 2012 and 2013. Questionnaire was informed from interviews conducted in 2011. This data will be used in later phases of the study to inform future research efforts.

In 2012 a total of 992 individuals were contacted. Of these, 252 completed the survey for a 24% response rate. These same individuals were contacted one year later, in 2013, with 146 returning the follow-up survey for a response rate of 61%. This frequency report provides an initial look at the responses for both surveys and will present any significant differences. Analysis used paired t-tests between the two survey dates with the "Don't Know" option removed. Frequencies are presented at % unless otherwise noted.

***Analysis of research findings is still in progress.
Do not cite without permission of the principal investigators.***

Oregon State
UNIVERSITY

College of Forestry

Frequency Report—September 2013

Research Site

Northern California- communities near the Shasta-Trinity National Forest including Redding, Shasta Lake, Weed, Palo Cedro, Mount Shasta, and Cottonwood. Between the two survey dates, an active fire and smoke season resulting in property damage and smoke/air quality warnings occurred.

Sample size and response rates

	COMPLETED SURVEYS	RESPONSE RATE
2012	252	24%
2013	146	61%

For further analysis, only respondents who answered both surveys are included.

SECTION 1: FIRE AND SMOKE EXPERIENCES IN 2012

The following questions were only asked in 2013 to gain an understanding of what occurred in-between surveys.

1) Did you experience, hear about, or read about any fires in Northern California in 2012?

YES: 95%

2) If Yes, what kind of fires were they? (check all that apply).

	% who checked experience with fire type
Wildfire	87
Prescribed Fire	65
Pile/Debris Burn	30
Agricultural burns	14
Didn't know the source	10
To your knowledge, were any of these fires prescribed or controlled burns that <u>got out of control</u>?	
YES	52

3) Did any of these fires...

	YES
...threaten your home or property?	13
...cause you to be evacuated?	8
...damage your property?	2
...cause friends or family to experience any of the above?	26

4) Did you or a member of your household experience smoke from the 2012 fires?

YES: 79%

5) How severe was the smoke from the 2012 fires?

NOT SEVERE, BARELY NOTICEABLE							VERY SEVERE	MEAN
1	2	3	4	5	6	7		
7	14	11	25	17	16	9	4.2	

SECTION 2: GENERAL PERSPECTIVES ON LAND MANAGEMENT, FIRE, AND SMOKE

1) How likely do you think it is that a wildfire might occur in the forests near your home in the NEXT 5 YEARS?

	VERY UNLIKELY	SOMEWHAT UNLIKELY	SOMEWHAT LIKELY	VERY LIKELY	DON'T KNOW	MEAN	P-VALUE
	1	2	3	4			
2012	11	4	30	54	1	3.34	.865
2013	7	7	27	53	6	3.35	

2a) Smoke from a wildfire that managers are attempting to suppress is acceptable

	STRONGLY DISAGREE		NEUTRAL			STRONGLY AGREE		DON'T KNOW	MEAN	P-VALUE
	1	2	3	4	5	6	7			
2012	6	5	5	15	14	20	32	3	5.30	.428
2013	2	4	4	21	13	19	34	4	5.42	

2b) Smoke from a prescribed fire that is ignited by managers on public lands is acceptable

	STRONGLY DISAGREE		NEUTRAL			STRONGLY AGREE		DON'T KNOW	MEAN	P-VALUE
	1	2	3	4	5	6	7			
2012	8	6	13	16	17	19	19	3	4.61	.584
2013	7	3	17	22	17	15	17	3	4.53	

2c) Smoke from a naturally-ignited fire (such as lightning) on public lands that is allowed to burn is acceptable

	STRONGLY DISAGREE		NEUTRAL			STRONGLY AGREE		DON'T KNOW	MEAN	P-VALUE
	1	2	3	4	5	6	7			
2012	9	10	10	21	15	13	18	3	4.36	.635
2013	13	8	10	23	10	15	17	4	4.27	

2d) Smoke from burning a pile of vegetation debris is acceptable

	STRONGLY DISAGREE		NEUTRAL			STRONGLY AGREE		DON'T KNOW	MEAN	P-VALUE
	1	2	3	4	5	6	7			
2012	9	13	9	20	15	19	13	1	4.34	.928
2013	7	5	17	26	14	18	10	3	4.32	

2e) Smoke from a fire that is ignited by land owners on private lands (e.g., refuse pile) is acceptable

	STRONGLY DISAGREE		NEUTRAL			STRONGLY AGREE		DON'T KNOW	MEAN	P-VALUE
	1	2	3	4	5	6	7			
2012	10	14	10	20	14	19	12	1	4.17	1.0
2013	10	8	12	26	15	16	10	3	4.17	

2f) Smoke from a fire used to prepare fields for agricultural production is acceptable

	STRONGLY DISAGREE		NEUTRAL			STRONGLY AGREE		DON'T KNOW	MEAN	P-VALUE
	1	2	3	4	5	6	7			
2012	8	15	10	21	12	17	15	3	4.25	.919
2013	6	11	12	31	11	13	12	4	4.23	

3) Smoke may come from different types of fires and impact people in different ways. In the last 5 years have you experienced smoke issues? If yes, what was the source (mark more than one source if needed).

<i>Have you or anyone in your household experienced...</i>	# YES RESPONSES	% YES	DIDN'T KNOW THE SOURCE	PRESCRIBED FIRES	WILDFIRE	AGRICULTURAL BURNS	PILE/ DEBRIS BURNS	WOOD STOVES
... unpleasant odors from smoke?								
2012	119	84	13	43	79	22	56	31
2013	111	78	16	39	70	14	42	17
... discomfort from smoke?								
2012	104	74	6	31	76	13	35	16
2013	100	71	8	28	83	74	23	13
... a road closure or delay due to smoke?								
2012	65	45	3	31	82	9	6	0
2013	56	40	4	13	89	2	2	2
...evacuation from your home or office due to smoke?								
2012	22	15	14	96	5	5	5	0
2013	17	12	0	12	82	0	0	6
... personal property damage due to smoke?								
2012	2	1	100	50	100	50	50	0
2013	2	1	0	0	50	0	0	1
... personal health effects from smoke?								
2012	45	31	9	49	76	20	29	18
2013	39	27	13	46	85	15	31	18
Average number of smoke impacts experienced			MEAN	P-VALUE				
2012			2.90	.018				
2013			2.62					

4.

Smoke near my community would result in negative impacts to the scenery

4.1a) Likelihood

	VERY UNLIKELY		NEUTRAL			VERY LIKELY		MEAN	P-VALUE
	1	2	3	4	5	6	7		
2012	12	16	11	17	16	14	15	4.17	.011
2013	13	10	3	13	14	23	25	4.70	

4.2a) Severity of impact

	NO IMPACT		MODERATE			VERY SEVERE		MEAN	P-VALUE
	1	2	3	4	5	6	7		
2012	13	14	17	21	20	8	8	3.81	.448
2013	15	12	11	28	11	11	12	3.96	

Smoke near my community would result in reduced tourism and recreation visits

4.1b) Likelihood

	VERY UNLIKELY		NEUTRAL			VERY LIKELY		MEAN	P-VALUE
	1	2	3	4	5	6	7		
2012	16	11	14	16	15	14	13	3.96	.001
2013	9	12	8	9	18	20	23	4.63	

4.2b) Severity of impact

	NO IMPACT		MODERATE			VERY SEVERE		MEAN	P-VALUE
	1	2	3	4	5	6	7		
2012	15	14	17	17	16	11	9	3.85	.016
2013	9	15	8	23	14	15	17	4.34	

Smoke near my community would result in reduced opportunities for me to participate in recreation activities

4.1c) Likelihood

	VERY UNLIKELY		NEUTRAL			VERY LIKELY		MEAN	P-VALUE
	1	2	3	4	5	6	7		
2012	20	17	14	14	12	10	12	3.63	.010
2013	18	9	9	17	13	17	18	4.16	

4.2c) Severity of impact

	NO IMPACT		MODERATE			VERY SEVERE		MEAN	P-VALUE
	1	2	3	4	5	6	7		
2012	19	19	19	16	11	9	8	3.41	.056
2013	16	15	12	20	12	15	8	3.80	

Smoke near my community would result in negative impact to my family's health

4.1d) Likelihood

	VERY UNLIKELY		NEUTRAL			VERY LIKELY		MEAN	P-VALUE
	1	2	3	4	5	6	7		
2012	9	19	9	16	18	14	15	4.22	.371
2013	12	10	9	18	15	18	18	4.40	

4.2d) Severity of impact

	NO IMPACT		MODERATE			VERY SEVERE		MEAN	P-VALUE
	1	2	3	4	5	6	7		
2012	10	15	17	21	14	11	11	4.01	.936
2013	17	13	12	16	17	12	14	4.03	

Smoke near my community would result in negative impact to my health

4.1e) Likelihood

	VERY UNLIKELY		NEUTRAL			VERY LIKELY		MEAN	P-VALUE
	1	2	3	4	5	6	7		
2012	9	17	10	18	15	13	18	4.24	.970
2013	15	10	9	18	18	13	18	4.23	

4.2e) Severity of impact

	NO IMPACT		MODERATE			VERY SEVERE		MEAN	P-VALUE
	1	2	3	4	5	6	7		
2012	10	15	14	25	13	12	12	4.07	.729
2013	16	13	11	21	11	14	13	4.00	

Smoke near my community would result in reduced ability to accomplish activities on my property

4.1f) Likelihood

	VERY UNLIKELY		NEUTRAL			VERY LIKELY		MEAN	P-VALUE
	1	2	3	4	5	6	7		
2012	32	14	9	17	8	11	9	3.23	.009
2013	24	13	7	16	18	6	17	3.78	

4.2f) Severity of impact

	NO IMPACT		MODERATE			VERY SEVERE		MEAN	P-VALUE
	1	2	3	4	5	6	7		
2012	30	19	11	15	13	7	5	3.06	.083
2013	30	12	10	19	12	7	10	3.40	

Smoke near my community would result in negative impacts to my ability to work

4.1g) Likelihood

	VERY UNLIKELY		NEUTRAL			VERY LIKELY		MEAN	P-VALUE
	1	2	3	4	5	6	7		
2012	41	17	9	17	6	4	8	2.75	.140
2013	40	11	8	17	9	5	11	3.05	

4.2g) Severity of impact

	NO IMPACT		MODERATE			VERY SEVERE		MEAN	P-VALUE
	1	2	3	4	5	6	7		
2012	41	19	7	14	11	3	5	2.72	.467
2013	41	14	8	16	8	4	8	2.86	

Smoke near my community would result in negative impacts to my travel - road closures and/or car accidents

4.1f) Likelihood

	VERY UNLIKELY		NEUTRAL			VERY LIKELY		MEAN	P-VALUE
	1	2	3	4	5	6	7		
2012	26	27	9	16	7	7	8	3.10	.013
2013	19	14	7	25	16	10	8	3.61	

4.2f) Severity of impact

	NO IMPACT		MODERATE			VERY SEVERE		MEAN	P-VALUE
	1	2	3	4	5	6	7		
2012	26	26	14	12	9	8	6	3.03	.136
2013	22	14	18	22	12	8	5	3.32	

5a) Smoke is not important to me

	STRONGLY DISAGREE		NEUTRAL			STRONGLY AGREE		MEAN	P-VALUE
	1	2	3	4	5	6	7		
2012	31	12	12	20	5	13	8	3.20	.297
2013	38	13	8	21	7	7	7	2.98	

5b) When I notice smoke, I can usually figure out its source

	STRONGLY DISAGREE		NEUTRAL			STRONGLY AGREE		MEAN	P-VALUE
	1	2	3	4	5	6	7		
2012	4	3	3	16	24	24	26	5.26	.104
2013	1	4	12	16	23	28	16	5.01	

5c) The type of fire (i.e. wildfire, prescribed, agricultural) influences my willingness to accept smoke

	STRONGLY DISAGREE		NEUTRAL			STRONGLY AGREE		MEAN	P-VALUE
	1	2	3	4	5	6	7		
2012	9	4	4	26	9	22	26	4.92	.268
2013	10	7	5	19	18	18	23	4.70	

5d) Private landowners don't do enough to manage their smoke

	STRONGLY DISAGREE		NEUTRAL			STRONGLY AGREE		MEAN	P-VALUE
	1	2	3	4	5	6	7		
2012	10	8	9	32	18	13	10	4.24	.388
2013	9	12	9	37	12	10	12	4.10	

5e) Smoke from prescribed burns is a necessary inconvenience

	STRONGLY DISAGREE		NEUTRAL			STRONGLY AGREE		MEAN	P-VALUE
	1	2	3	4	5	6	7		
2012	6	2	5	20	17	24	26	5.09	.237
2013	6	4	9	24	13	19	24	4.88	

5f) Smoke is acceptable if it results in healthier forests

	STRONGLY DISAGREE		NEUTRAL			STRONGLY AGREE		MEAN	P-VALUE
	1	2	3	4	5	6	7		
2012	3	2	2	17	17	29	29	5.45	.400
2013	4	4	5	11	24	24	29	5.33	

5g) I do not worry about smoke

	STRONGLY DISAGREE		NEUTRAL			STRONGLY AGREE		MEAN	P-VALUE
	1	2	3	4	5	6	7		
2012	29	10	9	25	3	11	13	3.43	.294
2013	24	14	12	16	9	10	14	3.62	

6.) Rate your current knowledge about smoke emissions. Using a scale of zero to 100 where zero means knowing nothing and 100 means knowing everything that could possibly be known about smoke emissions, please indicate your level of knowledge about smoke emissions.

	MEAN	P-VALUE
2012	59.52	.001
2013	53.41	

7.) We would like you to estimate how much knowledge you would need in order to have a comfortable understanding of smoke emissions. You might feel you need the same, more, or possibly even less information about this topic than you indicated in the previous question. Using the scale of zero (knowing nothing) to 100 (knowing everything possible), how much information would be sufficient for you?

	MEAN	P-VALUE
2012	66.76	.835
2013	66.19	

SECTION 3: TRUST IN AND COMMUNICATION WITH FOREST AGENCIES

1) Trust in agencies	Federal Forest Agencies (U.S. Forest Service, BLM)								MEAN	P- VALUE
	POOR	MODERATE				EXCELLENT				
	1	2	3	4	5	6	7			
<i>How would you generally rate the agencies for how well they manage public forests in your area?</i>										
2012	14	7	12	20	21	19	7	4.15	.001	
2013	20	11	13	20	17	14	5	3.65		
<i>How would you generally rate the agencies for specifically reducing fire risk?</i>										
2012	15	9	13	21	19	14	10	4.02	.001	
2013	19	18	11	22	11	16	4	3.51		
<i>How would you generally rate the agencies for managing smoke?</i>										
2012	12	7	11	31	18	15	7	4.04	.004	
2013	15	15	15	26	13	11	5	3.62		
	State or Local Forest Agencies (State Dept. of Forestry)								MEAN	P- VALUE
	POOR	MODERATE				EXCELLENT				
	1	2	3	4	5	6	7			
<i>How would you generally rate the agencies for how well they manage public forests in your area?</i>										
2012	8	9	8	26	19	21	8	4.34	.020	
2013	10	9	17	22	23	14	5	4.02		
<i>How would you generally rate the agencies for specifically reducing fire risk?</i>										
2012	10	8	14	21	24	14	9	4.20	.044	
2013	12	12	17	24	13	17	5	3.89		
<i>How would you generally rate the agencies for managing smoke?</i>										
2012	9	7	15	27	20	16	7	4.11	.135	
2013	10	13	16	29	15	14	4	3.89		

2a) Federal agency fire managers provide the best available information about smoke issues

	STRONGLY DISAGREE							STRONGLY AGREE		MEAN	P-VALUE
				NEUTRAL							
	1	2	3	4	5	6	7				
2012	9	12	18	38	10	9	5	3.73	.378		
2013	14	10	11	47	9	4	5	3.61			

2b) Federal agency fire managers provide enough information about smoke so I can decide which actions I should take

	STRONGLY DISAGREE							STRONGLY AGREE		MEAN	P-VALUE
				NEUTRAL							
	1	2	3	4	5	6	7				
2012	8	13	17	36	9	10	7	3.82	.722		
2013	11	9	16	42	11	5	8	3.77			

2c) Federal agency fire managers provide timely information regarding smoke

	STRONGLY DISAGREE							STRONGLY AGREE		MEAN	P-VALUE
				NEUTRAL							
	1	2	3	4	5	6	7				
2012	11	13	18	35	9	9	5	3.61	.643		
2013	12	13	14	40	7	8	7	3.68			

2d) State agency fire managers provide the best available information about smoke issues

	STRONGLY DISAGREE							STRONGLY AGREE		MEAN	P-VALUE
				NEUTRAL							
	1	2	3	4	5	6	7				
2012	7	12	18	36	15	9	3	3.76	.323		
2013	8	9	11	47	14	9	2	3.89			

2e) State agency fire managers provide enough information about smoke so I can decide which actions I should take

	STRONGLY DISAGREE		NEUTRAL			STRONGLY AGREE		MEAN	P-VALUE
	1	2	3	4	5	6	7		
2012	8	13	18	33	15	9	4	3.77	.127
2013	7	6	20	38	15	9	5	3.99	

2f) State agency fire managers provide timely information regarding smoke

	STRONGLY DISAGREE		NEUTRAL			STRONGLY AGREE		MEAN	P-VALUE
	1	2	3	4	5	6	7		
2012	10	16	16	30	16	8	4	3.67	.059
2013	7	11	14	37	16	10	5	3.97	

3) Trust in natural resource organizations is essential to the success of forest management programs. Please indicate your level of trust in the following agencies to make good decisions about smoke management.

3a) Your local Forest Service staff in California

	NO TRUST			MODERATE TRUST		FULL TRUST	DON'T KNOW	MEAN	P-VALUE	
	1	2	3	4	5	6	7			
2012	6	6	11	24	18	16	9	11	4.33	.444
2013	6	6	11	30	15	16	5	11	4.21	

3b) Your local county air quality district

	NO TRUST			MODERATE TRUST		FULL TRUST	DON'T KNOW	MEAN	P-VALUE	
	1	2	3	4	5	6	7			
2012	7	9	12	27	17	14	4	10	4.09	.372
2013	7	6	11	23	18	14	6	16	4.24	

3c) Trust in California Department of Forestry

	NO TRUST			MODERATE TRUST			FULL TRUST	DON'T KNOW	MEAN	P-VALUE
	1	2	3	4	5	6				
2012	9	3	12	22	22	14	9	9	4.32	.862
2013	4	7	13	24	17	18	7	10	4.34	

3d) Trust in California Environmental Protection Agency, Air Resources Board

	NO TRUST			MODERATE TRUST			FULL TRUST	DON'T KNOW	MEAN	P-VALUE
	1	2	3	4	5	6				
2012	15	11	10	22	15	12	3	12	3.65	.315
2013	11	12	12	20	15	9	6	16	3.83	

3e) Nearby National Park Service (e.g., Lassen NPS)

Only asked in 2013

	NO TRUST			MODERATE TRUST			FULL TRUST	DON'T KNOW	MEAN
	1	2	3	4	5	6			
2013	19	11	10	20	15	6	4	14	3.40

3f) U.S. Environmental Protection Agency (EPA)

	NO TRUST			MODERATE TRUST			FULL TRUST	DON'T KNOW	MEAN	P-VALUE
	1	2	3	4	5	6				
2012	18	14	12	18	9	9	4	16	3.22	.668
2013	17	11	13	19	12	6	3	20	3.29	

3g) U.S. Federal Agencies (Forest Service, BLM) in Washington, D.C.

	NO TRUST			MODERATE TRUST			FULL TRUST	DON'T KNOW	MEAN	P-VALUE
	1	2	3	4	5	6				
2012	22	8	15	17	11	8	6	13	3.26	.195
2013	21	13	16	15	9	4	4	17	3.04	

4) Has your acceptance of the use of prescribed fire changed because of smoke management issues?

	DECREASED	INCREASED	NOT CHANGED	MEAN	P-VALUE
2012	22	6	72	1.84	.129
2013	14	9	76	1.97	

If your acceptance has decreased or increased because of smoke management, was this change in the past year?

Only asked in 2013

YES: 22%

5) Has your trust in Forest Agencies changed over time because of smoke management issues?

	DECREASED	INCREASED	NOT CHANGED	MEAN	P-VALUE
2012	16	10	74	1.93	.104
2013	19	3	78	1.83	

If your trust has decreased or increased because of smoke management, was this change in the past year?

Only asked in 2013

YES: 35%

6) There are many sources of information about smoke and we'd like to know which sources are the best. You may encounter these information sources when gathering general information about fire and smoke, or when seeking information about specific planned or ongoing smoke events. Please circle "Yes" to all information sources you have used to receive fire or smoke-related information, and then indicate how useful that source was*. If you've had no experience with that source, please circle "No" and move on to the next question.

6a) Informational brochures

	EXPERIENCE	USEFUL?					MEAN	P-VALUE
		NOT	SLIGHTLY			VERY		
		1	2	3	4	5		
2012	38	22	11	25	21	21	3.32	.048
2013	27	30	6	38	17	9	2.79	

6b) TV and radio public service messages

	EXPERIENCE	USEFUL?					MEAN	P-VALUE
		NOT	SLIGHTLY			VERY		
		1	2	3	4	5		
2012	81	6	13	26	32	23	3.57	.008
2013	83	2	4	26	41	27	3.94	

6c) Newspapers/ Magazines

	EXPERIENCE	USEFUL?					MEAN	P-VALUE
		NOT	SLIGHTLY			VERY		
		1	2	3	4	5		
2012	68	9	13	31	30	18	3.29	.303
2013	67	6	8	38	32	16	3.47	

6d) Newsletters

	EXPERIENCE	USEFUL?					MEAN	P-VALUE
		NOT	SLIGHTLY			VERY		
		1	2	3	4	5		
2012	25	42	11	14	18	15	2.74	.148
2013	13	45	12	17	21	5	2.13	

6e) Flyers or door-hangers

	EXPERIENCE	USEFUL?					MEAN	P-VALUE
		NOT	SLIGHTLY			VERY		
		1	2	3	4	5		
2012	14	61	3	13	13	11	2.67	.009
2013	7	59	11	14	14	3	1.75	

6f) Government public meetings

	EXPERIENCE	USEFUL?					MEAN	P-VALUE
		NOT	SLIGHTLY			VERY		
		1	2	3	4	5		
2012	19	48	10	19	15	7	2.68	.204
2013	15	43	7	21	21	7	2.24	

6g) Conversations with agency staff

	EXPERIENCE	USEFUL?					MEAN	P-VALUE
		NOT	SLIGHTLY			VERY		
		1	2	3	4	5		
2012	31	37	4	18	21	20	3.36	.373
2013	24	31	5	16	22	25	3.11	

6h) Billboards and road signs

	EXPERIENCE	USEFUL?					MEAN	P-VALUE
		NOT	SLIGHTLY			VERY		
		1	2	3	4	5		
2012	51	22	5	29	28	15	3.28	.925
2013	47	16	7	28	33	17	3.30	

6i) Visitor center/ interpretive signs

	EXPERIENCE	USEFUL?					MEAN	P-VALUE
		NOT	SLIGHTLY			VERY		
		1	2	3	4	5		
2012	37	28	10	17	29	16	3.15	.742
2013	29	26	6	23	30	15	3.05	

6j) Educational workshops

	EXPERIENCE	USEFUL?					MEAN	P-VALUE
		NOT	SLIGHTLY			VERY		
		1	2	3	4	5		
2012	10	53	15	13	8	11	2.58	.157
2013	8	64	0	17	14	6	2.00	

6k) General web pages

	EXPERIENCE	USEFUL?					MEAN	P-VALUE
		NOT	SLIGHTLY			VERY		
		1	2	3	4	5		
2012	28	36	6	23	22	12	3.00	.711
2013	27	29	9	20	22	20	2.89	

6l) Forest Agency web pages

	EXPERIENCE	USEFUL?					MEAN	P-VALUE
		NOT	SLIGHTLY			VERY		
		1	2	3	4	5		
2012	24	44	4	15	26	11	2.86	.622
2013	27	29	10	15	33	13	3.00	

6m) Environmental Protection Agency website

	EXPERIENCE	USEFUL?					MEAN	P-VALUE
		NOT	SLIGHTLY			VERY		
		1	2	3	4	5		
2012	15	56	3	14	14	13	2.61	.097
2013	7	60	11	11	9	9	2.04	

6n) State air quality website

	EXPERIENCE	USEFUL?					MEAN	P-VALUE
		NOT	SLIGHTLY			VERY		
		1	2	3	4	5		
2012	21	48	3	16	24	9	2.66	.556
2013	12	48	15	13	10	15	2.52	

6o) State air quality call line

	EXPERIENCE	USEFUL?					MEAN	P-VALUE
		NOT	SLIGHTLY			VERY		
		1	2	3	4	5		
2012	21	44	10	9	21	16	2.81	.185
2013	14	50	5	14	14	17	2.35	

6p) Family/Friends/Relatives

	EXPERIENCE	USEFUL?					MEAN	P-VALUE
		NOT	SLIGHTLY			VERY		
		1	2	3	4	5		
2012	65	14	12	26	30	19	3.49	.866
2013	60	10	6	29	40	15	3.46	

6q) Social media (i.e., facebook, twitter, etc.)

Only asked in 2012

	EXPERIENCE	USEFUL					MEAN
		NOT	SLIGHTLY			VERY	
		1	2	3	4	5	
2013	14	51	8	10	21	10	2.31

SECTION 4: DEMOGRAPHICS

1) Gender

	MALE	FEMALE
2012	64	36
2013	64	36

2) Age

	AVERAGE AGE
2012	66
2013	68

3) Does the community where you live have a Community Wildfire Protection Plan?

	YES	NO	DON'T KNOW
2012	32	7	61
2013	31	8	61

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

	LESS THAN 1 MILE	1-5MILES	6-10 MILES	MORE THAN 10 MILES	MEAN	P-VALUE
2012	57	27	8	9	3.37	.865
2013	61	21	9	8	3.40	

5) Do you or a member of your household use fire on your own property to manage vegetation?

	YES	NO
2012	47	53
2013	42	58

6) Do you or a member of your household use fire to burn trash or unwanted debris?

	YES	NO
2012	35	65
2013	31	69

7) Does anyone in your household suffer from a respiratory ailment?

Only asked in 2013.

	YES	NO	DON'T KNOW
2013	29	69	3