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Spotted Owl/Old Growth Forests [Report]

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CARAVAN

Spotted Owl/Old Growth Forests

Prepared for:

The Timber Industry Labor Management Committee

May 20, 1993

OPINION RESEARCH CORPORATION

ORC Study #70220

INTRODUCTION

This report presents the findings of a telephone survey conducted among a national probability sample of 1039 adults comprising 516 men and 523 women 18 years of age and older, living in private households in the continental United States.

Interviewing for this CARAVAN® Survey was completed during the period May 20, 1993 through May 23, 1993. All data collection efforts took place under the direction of ORC Information Services. ORC's Central Telephone Facility is located in South Plainfield, New Jersey. The core of our telephone center is the interviewers. All ORC interviewers complete an intensive training and test period. Additionally, they attend follow-up training classes that cover advanced screening techniques, in-depth probing and the art of refusal avoidance. Interviewers are continuously supervised, monitored and reviewed in order to maintain the highest quality interviewing standards.

All CARAVAN interviews are conducted using Opinion Research Corporation's computer assisted telephone interviewing (CATI) system. The system is state-of-the-art and offers several distinct advantages such as: full-screen control which allows multi-question screens, fully-programmable help and objection screens to aid interviewing, an extremely flexible telephone number management system and powerful data checking facilities. CATI ensures that interviews are conducted in the most efficient manner and allows interviewers easy response recording. This interviewing method also allows for the most accurate form of data entry by guiding the interviewer through the programmed question flow and by providing on-screen interviewer instructions.

The most advanced probability sampling techniques are employed in the selection of households for telephone interviewing. Opinion Research Corporation utilizes an unrestricted random sampling procedure that controls the amount of serial bias found in systematic sampling to generate its random-digit-dial sample. The sample is fully replicated and stratified by region. Only one interview is conducted per household. All sample numbers selected are subject to up to four attempts to complete an interview.

Completed interviews are weighted by four variables: age, sex, geographic region, and race, to ensure reliable and accurate representation of the total population, 18 years of age and older. The raw data are weighted by a custom designed program which automatically develops a weighting factor for each respondent. Each respondent is assigned a single weight derived from the relationship between the actual proportion of the population with its specific combination of age, sex, geographic characteristics and race and the proportion in our CARAVAN sample that week. Tabular results show both weighted and unweighted bases.

The use of replicable sampling, standardized interviewing procedures and representative weighting provides that all CARAVAN studies are parallel to one another. Thus, CARAVAN usage is appropriate both for point-in-time analysis as well as tracking and trend comparisons.

Included in the Technical Information which follows are tables of sampling tolerances of survey results, and a copy of the question series as it appeared in the survey questionnaire.

As required by the Code of Standards of the Council of American Survey Research Organizations, we will maintain the anonymity of our respondents. No information will be released that in any way will reveal the identity of a respondent. Our authorization is required for any publication of the research findings or their implications.

Opinion Research Corporation's CARAVAN is a syndicated, shared-cost data collection vehicle. Opinion Research Corporation has exercised its best efforts in the preparation of this information. In any event, Opinion Research Corporation assumes no responsibility for any use which is made of this information or any decisions based upon it.

CARAVAN Telephone Sampling Methodology

Opinion Research Corporation's national probability telephone sample is an efficient form of random-digit-dialing. The sample is designed to be a simple random sample of telephone households. Unlike published directories, ORC's national probability telephone sample includes both unlisted numbers and numbers issued after publication of the directories. The following procedure was used to create the sample:

- o Opinion Research Corporation has an annual license for GENESYS, a custom RDD sample generation system developed by Marketing Systems Groups.
- o The methodology for generating random digit dialing (RDD) telephone samples in the GENESYS system provides for a single stage, EPSEM (Equal Probability of Selection Method) sample of residential telephone numbers. It is updated twice a year.
- o When a national probability sample is needed, a random selection is made from 35,198 exchanges in 1,652,464 working banks.
- o Each telephone number is transferred to a separate call record. The record shows the computer-generated telephone number to be called, as well as the county, state, MSA (if applicable), band and time zone into which the telephone number falls. Our computerized interviewing system (CATI) uses this information to keep track of regional quotas. The CATI interviewing program also keeps track of the disposition categories for each call attempt.

Reliability Of Survey Percentages

Results of any sample are subject to sampling variation. The magnitude of the variation is measurable and is affected by the number of interviews and the level of the percentages expressing the results.

The table below shows the possible sample variation that applies to percentage results reported from Opinion Research Corporation's CARAVAN sample. The chances are 95 in 100 that a CARAVAN survey result does not vary, plus or minus, by more than the indicated number of percentage points from the result that would be obtained if interviews had been conducted with all persons in the universe represented by the sample.

<u>Size of Sample on Which Survey Result Is Based</u>	<u>Approximate Sampling Tolerances Applicable to Percentages At or Near These Levels</u>				
	<u>10% or 90%</u>	<u>20% or 80%</u>	<u>30% or 70%</u>	<u>40% or 60%</u>	<u>50%</u>
1,000 interviews	2%	2%	3%	3%	3%
500 interviews	3%	4%	4%	4%	4%
250 interviews	4%	5%	6%	6%	6%
100 interviews	6%	8%	9%	10%	10%

Additional Sampling Tolerances for Samples of 1,000 Interviews

<u>9% or 91%</u>	<u>8% or 92%</u>	<u>7% or 93%</u>	<u>6% or 94%</u>	<u>5% or 95%</u>
2%	2%	2%	1%	1%
<u>4% or 96%</u>	<u>3% or 97%</u>	<u>2% or 98%</u>	<u>1% or 99%</u>	
1%	1%	1%	.2%	

Sampling Tolerances When Comparing Two Samples

Tolerances are also involved in the comparison of results from independent parts of any one ORC's CARAVAN sample and in the comparison of results between two independent CARAVAN samples. A difference, in other words, must be of at least a certain number of percentage points to be considered statistically significant. The table below is a guide to the sampling tolerances in percentage points applicable to such comparisons, based on a 95% confidence level.

Size of Samples Compared	Differences Required for Significance At or Near These Percentage Levels				
	<u>10% or 90%</u>	<u>20% or 80%</u>	<u>30% or 70%</u>	<u>40% or 60%</u>	<u>50%</u>
1,000 and 1,000	3%	4%	4%	4%	4%
1,000 and 500	3%	4%	5%	5%	5%
1,000 and 250	4%	6%	6%	7%	7%
1,000 and 100	6%	8%	9%	10%	10%
500 and 500	4%	5%	6%	6%	6%
500 and 250	5%	6%	7%	7%	8%
500 and 100	6%	9%	10%	11%	11%
250 and 250	6%	7%	9%	9%	10%
250 and 100	7%	9%	11%	11%	12%
100 and 100	8%	11%	13%	14%	14%

INTRODUCTION TO DETAILED TABULATIONS

How To Read The Tables

The following pages present the detailed tabulations of survey results. The data are percentaged vertically and, therefore, should be read from top-to-bottom. The total number of interviews both weighted and unweighted, appears at the top of each column. Percentages are calculated on the weighted bases. Percentages may not add to 100% due to weighting factors or multiple responses. Where an asterisk (*) appears, it signifies any value of less than one-half percent.

Definition Of Classification Terms

The following definitions are provided for some of the standard demographics by which the results are tabulated. Other demographics are self-explanatory.

Income

The income groupings refer to the total household income for 1992 before taxes.

Metro Size

Metro --	In Center City of Metropolitan Area Outside Center City, Inside Center City County Inside Suburban County of Metropolitan Area In Metropolitan Area with No Center City
Non-Metro --	In Non-Metropolitan Area

Geographic Region

The continental states are contained in four geographic regions as follows:

North East

New England: Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut

Middle Atlantic: New York, New Jersey, Pennsylvania

North Central

East North Central: Ohio, Indiana, Illinois, Michigan, Wisconsin

West North Central: Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, Kansas

South

South Atlantic: Delaware, Maryland, District of Columbia, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Florida

East South Central: Kentucky, Tennessee, Alabama, Mississippi

West South Central: Arkansas, Louisiana, Oklahoma, Texas

West

Mountain: Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, Nevada

Pacific: Washington, Oregon, California

Occupation (Optional)

The occupation classification refers to the occupation of the respondent. The types of positions included in each category are:

Professional/Manager/Owner	Executives, Professionals, Technical and Kindred Workers, Managers, Officials, and Proprietors
White Collar - Sales/Clerical	Clerical, Office and Secretarial Workers, and Sales Agents and Workers
Blue Collar	Craftsmen, Foremen, Kindred Workers, Maintenance Repairmen, Carpenters, Plumbers and Electricians; Operatives and Kindred Workers, Apprentices, Laborers (except Mine), and Assembly Line Workers; Housekeepers in Private Households, Institutional and Public, Police, Security Guards, Beauticians and Barbers

DETAILED TABULATIONS

ORC STUDY #70220

CARAVAN
SPOTTED OWL/OLD GROWTH FORESTS

MAY 20, 1993

Question 01

Recall reading or hearing anything about a controversy involving the
spotted owl and old growth forests in the Pacific Northwest in the
last year or so

		Sex		Age						Region				Race				His-panic
		Total	Male	Fe- male	18- 24	25- 34	35- 44	45- 54	55- 64	65+	North- east	North Central	South West	Metro	Non- Metro	White	Black	
Unweighted Total	1039	516	523	127	247	261	150	101	127	214	253	365	207	766	273	861	79	64
Weighted Total	1000	482	518	144	233	184	136	114	169	209	230	348	213	734	266	804	93	68
Yes, recall	650 65%	352 73%	298 58%	72 50%	119 51%	120 65%	100 74%	93 82%	132 78%	120 58%	139 60%	222 64%	169 79%	466 63%	184 69%	574 71%	24 25%	38 56%
No, do not recall	341 34%	127 26%	214 41%	72 50%	113 48%	60 32%	35 26%	19 16%	36 21%	88 42%	86 37%	123 35%	44 21%	261 35%	81 30%	223 28%	67 73%	30 44%
Don't know/No response	9 1%	3 1%	6 1%	0 0	1 *	4 2%	1 1%	2 2%	1 1%	0 0	5 2%	4 1%	0 0	8 1%	1 1%	7 1%	2 2%	* 1%

ORC STUDY #70220

CARAVAN

MAY 20, 1993

SPOTTED OWL/OLD GROWTH FORESTS

Question 01

Recall reading or hearing anything about a controversy involving the spotted owl and old growth forests in the Pacific Northwest in the last year or so

	Total	Household Income						H.H. Size			Children In H.H.				Education			
		-----						-----			-----				-----			
		LT	\$15K- LT	\$25K- LT	\$35K- LT	\$50K- LT	Dual Or Income H.H.	1	2	3 Or More	None	Total	Under 12- 12	17	HS Incom- plete	HS Grad	Coll Incom- plete	Coll Grad
Unweighted Total	1039	149	142	171	177	224	391	170	315	546	585	446	319	217	98	335	247	315
Weighted Total	1000	161	143	166	161	194	353	181	323	489	599	394	289	181	104	336	236	281
Yes, recall	650 65%	86 54%	75 53%	111 67%	120 75%	146 75%	239 68%	129 71%	228 71%	292 60%	423 71%	225 57%	159 55%	117 64%	52 50%	190 57%	174 74%	204 73%
No, do not recall	341 34%	73 46%	66 46%	53 32%	38 24%	48 25%	112 32%	50 28%	92 28%	195 40%	171 29%	165 42%	128 44%	61 34%	50 49%	141 42%	62 26%	75 27%
Don't know/No response	9 1%	1 1%	2 1%	2 1%	3 2%	0 0	2 1%	2 1%	3 1%	3 1%	5 1%	4 1%	2 1%	3 2%	1 1%	5 2%	1 *	2 1%

ORC STUDY #70220

CARAVAN
SPOTTED OWL/OLD GROWTH FORESTS

MAY 20, 1993

Question 02

On the issue of the disagreement between environmentalists and the timber industry and its workers over the spotted owl, generally agree more with the . . .

	Total	Sex		Age						Region						Race		
		Male	Female	18-24	25-34	35-44	45-54	55-64	65+	North-east	North-Central	South	West	Metro	Non-Metro	White	Black	Hispanic
Unweighted Total	1039	516	523	127	247	261	150	101	127	214	253	365	207	766	273	861	79	64
Weighted Total	1000	482	518	144	233	184	136	114	169	209	230	348	213	734	266	804	93	68
Environmentalists	419 42%	199 41%	219 42%	83 58%	109 47%	83 45%	53 39%	37 33%	44 26%	89 43%	100 43%	148 42%	81 38%	313 43%	106 40%	322 40%	48 51%	32 47%
Timber industry and workers	467 47%	231 48%	236 46%	48 34%	100 43%	82 44%	71 52%	65 57%	94 56%	96 46%	107 47%	160 46%	104 49%	332 45%	135 51%	395 49%	35 38%	28 41%
Don't know/No response	114 11%	51 11%	63 12%	12 9%	24 11%	20 11%	12 9%	12 11%	31 18%	23 11%	23 10%	41 12%	27 13%	89 12%	25 9%	87 11%	10 11%	8 11%

ORC STUDY #70220

CARAVAN

MAY 20, 1993

SPOTTED OWL/OLD GROWTH FORESTS

Question 02

On the issue of the disagreement between environmentalists and the timber industry and its workers over the spotted owl, generally agree more with the . . .

	Total	Household Income						H.H. Size		Children In H.H.					Education			
		LT \$15K	\$15K- LT \$25K	\$25K- LT \$35K	\$35K- LT \$50K	\$50K Or More	Dual Income H.H.	H.H. Size		Children In H.H.					HS Incom- plete	HS Grad	Coll Incom- plete	Coll Grad
								1	2	3 Or More	None	Total	Under 12	12-17				
Unweighted Total	1039	149	142	171	177	224	391	170	315	546	585	446	319	217	98	335	247	315
Weighted Total	1000	161	143	166	161	194	353	181	323	489	599	394	289	181	104	336	236	281
Environmentalists	419 42%	62 39%	70 49%	67 41%	65 40%	75 39%	136 39%	75 41%	127 39%	215 44%	240 40%	177 45%	129 45%	82 45%	35 34%	128 38%	109 46%	131 47%
Timber industry and workers	467 47%	72 45%	65 46%	84 50%	75 47%	97 50%	177 50%	85 47%	155 48%	224 46%	286 48%	178 45%	126 43%	88 49%	63 61%	168 50%	100 43%	117 42%
Don't know/No response	114 11%	26 16%	7 5%	15 9%	21 13%	21 11%	40 11%	21 12%	41 13%	50 10%	73 12%	39 10%	34 12%	11 6%	6 6%	40 12%	27 11%	33 12%

ORC STUDY #70220

CARAVAN

MAY 20, 1993

SPOTTED OWL/OLD GROWTH FORESTS

Question 03

Statement closer to own opinion on the issue of the spotted owl
and the timber industry

	Sex		Age							Region				Race				His-panic
	Total	Male	Female	18-24	25-34	35-44	45-54	55-64	65+	North-east	North-Central	South	West	Metro	Non-Metro	White	Black	
Unweighted Total	1039	516	523	127	247	261	150	101	127	214	253	365	207	766	273	861	79	64
Weighted Total	1000	482	518	144	233	184	136	114	169	209	230	348	213	734	266	804	93	68
The government should seek to strike a balance so that the spotted owl is protected and job losses are kept to a minimum	711 71%	336 70%	375 72%	112 77%	169 73%	138 75%	104 77%	74 65%	102 60%	149 72%	167 72%	243 70%	152 71%	542 74%	169 64%	584 73%	58 62%	53 78%
People are more important than owls, the government should make sure that jobs in the timber industry are protected even if this means the spotted owl might become extinct	207 21%	105 22%	102 20%	26 18%	40 17%	32 18%	19 14%	28 24%	58 34%	38 18%	49 21%	74 21%	46 21%	136 18%	72 27%	160 20%	30 32%	9 13%
The spotted owl must be protected at all cost, even if this means thousands of jobs in the timber industry are lost as a result	68 7%	37 8%	31 6%	7 5%	20 9%	12 6%	13 9%	8 7%	6 4%	16 7%	11 5%	29 8%	12 6%	47 6%	21 8%	53 7%	6 6%	5 7%
Don't know/No response	14 1%	4 1%	10 2%	* *	4 2%	2 1%	0 0	4 3%	3 2%	6 3%	3 1%	2 *	4 2%	10 1%	4 2%	8 1%	0 0	2 3%

ORC STUDY #70220

CARAVAN
SPOTTED OWL/OLD GROWTH FORESTS

MAY 20, 1993

Question O3

Statement closer to own opinion on the issue of the spotted owl
and the timber industry

	Household Income							H.H. Size			Children In H.H.				Education			
	Total	-----						-----			-----				-----			
		LT	\$15K- LT	\$25K- LT	\$35K- LT	\$50K Or More	Dual Income H.H.	3 Or More			Under 12- Total 12 17				HS Incom- plete	HS Grad	Coll Incom- plete	Coll Grad
		\$15K	\$25K	\$35K	\$50K			1	2									
Unweighted Total	1039	149	142	171	177	224	391	170	315	546	585	446	319	217	98	335	247	315
Weighted Total	1000	161	143	166	161	194	353	181	323	489	599	394	289	181	104	336	236	281
The government should seek to strike a balance so that the spotted owl is protected and job losses are kept to a minimum	711 71%	100 62%	105 73%	121 73%	116 72%	144 74%	260 74%	121 67%	228 71%	357 73%	421 70%	285 72%	213 73%	128 71%	57 55%	226 67%	184 78%	213 76%
People are more important than owls, the government should make sure that jobs in the timber industry are protected even if this means the spotted owl might become extinct	207 21%	39 25%	28 19%	40 24%	29 18%	37 19%	65 18%	45 25%	73 22%	89 18%	129 21%	78 20%	54 19%	35 19%	36 35%	85 25%	38 16%	40 14%
The spotted owl must be protected at all cost, even if this means thousands of jobs in the timber industry are lost as a result	68 7%	14 8%	10 7%	5 3%	14 9%	13 7%	25 7%	13 7%	20 6%	35 7%	45 7%	23 6%	15 5%	16 9%	9 8%	19 6%	11 5%	27 9%
Don't know/No response	14 1%	8 5%	1 1%	0 0	2 1%	0 0	3 1%	2 1%	2 1%	9 2%	5 1%	8 2%	8 3%	2 1%	2 2%	5 2%	4 2%	2 1%

ORC STUDY #70220

CARAVAN
SPOTTED OWL/OLD GROWTH FORESTS

MAY 20, 1993

Question O4A

Number of jobs would be willing to see lost to protect the spotted owl

A. 5,000 jobs

	Sex			Age						Region				Race				Hispanic
	Total	Male	Female	18-24	25-34	35-44	45-54	55-64	65+	North-east	North-Central	South	West	Metro	Non-Metro	White	Black	
Unweighted Total	1039	516	523	127	247	261	150	101	127	214	253	365	207	766	273	861	79	64
Weighted Total	1000	482	518	144	233	184	136	114	169	209	230	348	213	734	266	804	93	68
Would	312	170	142	56	86	56	43	29	39	70	70	106	65	224	88	266	16	18
	31%	35%	27%	39%	37%	30%	31%	25%	23%	34%	30%	30%	31%	30%	33%	33%	17%	27%
Would not	585	270	316	83	133	110	78	68	104	111	143	200	131	424	161	458	67	45
	59%	56%	61%	57%	57%	60%	57%	59%	62%	53%	62%	57%	62%	58%	61%	57%	73%	66%
Don't know/No response	103	42	61	6	15	18	16	18	26	27	17	43	16	86	17	80	9	5
	10%	9%	12%	4%	6%	10%	12%	16%	15%	13%	7%	12%	8%	12%	6%	10%	10%	8%

ORC STUDY #70220

CARAVAN
SPOTTED OWL/OLD GROWTH FORESTS

MAY 20, 1993

Question 04A

Number of jobs would be willing to see lost to protect the spotted owl

A. 5,000 jobs

	Total	Household Income						H.H. Size			Children In H.H.				Education			
		-----						-----			-----				-----			
			\$15K-	\$25K-	\$35K-	\$50K	Dual			3 Or					HS		Coll	
		LT	LT	LT	LT	Or	Income	1	2	More	None	Total	Under 12	12- 17	Incom- plete	HS Grad	Incom- plete	Coll Grad
Unweighted Total	1039	149	142	171	177	224	391	170	315	546	585	446	319	217	98	335	247	315
Weighted Total	1000	161	143	166	161	194	353	181	323	489	599	394	289	181	104	336	236	281
Would	312	37	46	56	58	71	116	55	99	157	199	112	83	52	21	91	82	105
	31%	23%	32%	34%	36%	37%	33%	30%	31%	32%	33%	28%	29%	29%	21%	27%	35%	37%
Would not	585	108	84	90	91	105	208	102	191	290	331	252	186	115	74	215	131	142
	59%	67%	59%	54%	56%	54%	59%	56%	59%	59%	55%	64%	64%	64%	72%	64%	55%	50%
Don't know/No response	103	16	13	20	12	17	29	24	32	43	69	30	20	14	8	30	23	35
	10%	10%	9%	12%	8%	9%	8%	13%	10%	9%	12%	8%	7%	8%	8%	9%	10%	12%

ORC STUDY #70220

CARAVAN

MAY 20, 1993

SPOTTED OWL/OLD GROWTH FORESTS

Question 04B

Number of jobs would be willing to see lost to protect the spotted owl

B. 10,000 jobs

	Sex		Age							Region				Race				
	Total	Male	Fe- male	18- 24	25- 34	35- 44	45- 54	55- 64	65+	North- east	North Central	South	West	Metro	Non- Metro	White	Black	His- panic
Unweighted Total	1039	516	523	127	247	261	150	101	127	214	253	365	207	766	273	861	79	64
Weighted Total	1000	482	518	144	233	184	136	114	169	209	230	348	213	734	266	804	93	68
Would	148 15%	87 18%	61 12%	26 18%	45 19%	32 17%	18 14%	12 11%	11 7%	30 15%	32 14%	53 15%	33 15%	104 14%	44 17%	121 15%	6 7%	11 17%
Would not	754 75%	347 72%	407 79%	115 80%	172 74%	136 74%	101 74%	85 75%	131 78%	153 73%	183 80%	256 73%	162 76%	548 75%	206 77%	604 75%	82 88%	51 75%
Don't know/No response	98 10%	48 10%	50 10%	4 3%	16 7%	15 8%	17 12%	17 15%	26 15%	25 12%	15 7%	40 12%	18 9%	82 11%	16 6%	79 10%	5 5%	6 8%

ORC STUDY #70220

CARAVAN

MAY 20, 1993

SPOTTED OWL/OLD GROWTH FORESTS

Question 04B

Number of jobs would be willing to see lost to protect the spotted owl

B. 10,000 jobs

	Total	Household Income						H.H. Size			Children In H.H.				Education			
		LT \$15K	\$15K- LT \$25K	\$25K- LT \$35K	\$35K- LT \$50K	\$50K Or More	Dual Income H.H.	-----			-----				-----		-----	
								1	2	3 Or More	None	Total	Under 12	12- 17	HS Incom- plete	HS Grad	Coll Incom- plete	Coll Grad
Unweighted Total	1039	149	142	171	177	224	391	170	315	546	585	446	319	217	98	335	247	315
Weighted Total	1000	161	143	166	161	194	353	181	323	489	599	394	289	181	104	336	236	281
Would	148 15%	19 12%	16 11%	28 17%	25 16%	40 20%	54 15%	24 13%	49 15%	74 15%	94 16%	53 14%	40 14%	24 13%	10 10%	30 9%	48 20%	58 21%
Would not	754 75%	130 81%	114 80%	123 74%	122 76%	138 71%	271 77%	131 72%	237 74%	381 78%	433 72%	317 80%	232 80%	149 82%	84 81%	276 82%	174 74%	188 67%
Don't know/No response	98 10%	12 7%	13 9%	15 9%	14 8%	16 8%	29 8%	26 14%	36 11%	34 7%	72 12%	24 6%	18 6%	8 4%	10 9%	31 9%	13 6%	35 13%

ORC STUDY #70220

CARAVAN

MAY 20, 1993

SPOTTED OWL/OLD GROWTH FORESTS

Question O4C

Number of jobs would be willing to see lost to protect the spotted owl

C. 50,000 jobs

	Sex			Age						Region				Race				Hispanic
	Total	Male	Female	18-24	25-34	35-44	45-54	55-64	65+	North-east	North-Central	South	West	Metro	Non-Metro	White	Black	
Unweighted Total	1039	516	523	127	247	261	150	101	127	214	253	365	207	766	273	861	79	64
Weighted Total	1000	482	518	144	233	184	136	114	169	209	230	348	213	734	266	804	93	68
Would	72	41	31	6	29	13	11	7	5	14	15	26	17	55	17	60	2	5
	7%	9%	6%	4%	12%	7%	8%	6%	3%	7%	7%	7%	8%	8%	6%	7%	2%	7%
Would not	841	402	439	134	193	156	113	93	137	172	201	289	180	606	235	677	84	58
	84%	83%	85%	93%	83%	85%	83%	81%	81%	82%	87%	83%	84%	83%	89%	84%	91%	85%
Don't know/No response	87	39	48	4	11	15	13	14	27	23	15	33	16	73	13	67	7	5
	9%	8%	9%	3%	5%	8%	9%	13%	16%	11%	6%	9%	7%	10%	5%	8%	7%	8%

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CARAVAN

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SPOTTED OWL/OLD GROWTH FORESTS

Question O4C

Number of jobs would be willing to see lost to protect the spotted owl

c. 50,000 jobs

	Total	Household Income						H.H. Size			Children In H.H.			Education				
		-----						-----			-----			-----				
			\$15K-	\$25K-	\$35K-	\$50K	Dual	3 Or			Under 12-			HS	Coll			
		LT	LT	LT	LT	Or	Income	1	2	More	None	Total	12	17	Incom- plete	HS Grad	Incom- plete	Coll Grad
	\$15K	\$25K	\$35K	\$50K	More	H.H.												
Unweighted Total	1039	149	142	171	177	224	391	170	315	546	585	446	319	217	98	335	247	315
Weighted Total	1000	161	143	166	161	194	353	181	323	489	599	394	289	181	104	336	236	281
Would	72	10	9	13	15	19	29	13	20	39	42	30	21	14	4	17	21	27
	7%	6%	6%	8%	9%	10%	8%	7%	6%	8%	7%	8%	7%	8%	4%	5%	9%	10%
Would not	841	140	125	138	135	160	305	145	269	422	490	347	257	158	94	293	201	218
	84%	87%	88%	83%	84%	83%	86%	80%	83%	86%	82%	88%	89%	87%	90%	87%	85%	78%
Don't know/No response	87	11	9	16	10	14	19	23	33	28	67	17	12	8	6	26	14	36
	9%	7%	6%	10%	6%	7%	5%	13%	10%	6%	11%	4%	4%	4%	6%	8%	6%	13%

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SPOTTED OWL/OLD GROWTH FORESTS

Question O4D

Number of jobs would be willing to see lost to protect the spotted owl

D. 100,000 jobs

	Sex			Age						Region				Race				Hispanic
	Total	Male	Female	18-24	25-34	35-44	45-54	55-64	65+	North-east	North-Central	South	West	Metro	Non-Metro	White	Black	
Unweighted Total	1039	516	523	127	247	261	150	101	127	214	253	365	207	766	273	861	79	64
Weighted Total	1000	482	518	144	233	184	136	114	169	209	230	348	213	734	266	804	93	68
Would	52	29	23	3	20	9	10	5	3	7	11	20	14	39	13	43	2	3
	5%	6%	4%	2%	9%	5%	8%	5%	2%	3%	5%	6%	7%	5%	5%	5%	2%	4%
Would not	871	419	452	138	203	161	114	97	143	180	207	298	187	629	242	703	84	61
	87%	87%	87%	96%	87%	87%	83%	85%	85%	86%	90%	86%	88%	86%	91%	87%	91%	89%
Don't know/No response	77	34	43	3	10	14	12	12	23	22	13	30	12	66	12	57	7	5
	8%	7%	8%	2%	4%	8%	9%	11%	13%	11%	6%	9%	6%	9%	4%	7%	7%	7%

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SPOTTED OWL/OLD GROWTH FORESTS

Question 04D

Number of jobs would be willing to see lost to protect the spotted owl

D. 100,000 jobs

	Total	Household Income						H.H. Size			Children In H.H.			Education				
		-----						-----			-----			-----				
			\$15K-	\$25K-	\$35K-	\$50K	Dual			3 Or			Under 12-	HS		Coll		
		LT	LT	LT	LT	Or	Income	1	2	More	None	Total	12	17	Incom- plete	HS Grad	Incom- plete	Coll Grad
		\$15K	\$25K	\$35K	\$50K	More	H.H.											
Unweighted Total	1039	149	142	171	177	224	391	170	315	546	585	446	319	217	98	335	247	315
Weighted Total	1000	161	143	166	161	194	353	181	323	489	599	394	289	181	104	336	236	281
Would	52	6	5	10	11	18	22	11	13	28	30	22	13	14	2	11	15	22
	5%	4%	4%	6%	7%	9%	6%	6%	4%	6%	5%	6%	4%	8%	2%	3%	6%	8%
Would not	871	143	132	142	142	162	314	150	282	435	511	356	266	159	95	305	208	225
	87%	89%	92%	85%	88%	84%	89%	83%	87%	89%	85%	90%	92%	88%	92%	91%	88%	80%
Don't know/No response	77	12	6	14	8	14	17	20	28	27	59	16	11	8	6	20	13	33
	8%	8%	4%	9%	5%	7%	5%	11%	9%	5%	10%	4%	4%	4%	6%	6%	5%	12%

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SPOTTED OWL/OLD GROWTH FORESTS

Question 04 - "Would" Summary

Number of jobs would be willing to see lost to protect the spotted owl

	Sex			Age						Region				Race				
	Total	Male	Fe- male	18- 24	25- 34	35- 44	45- 54	55- 64	65+	North- east	North Central	South	West	Metro	Non- Metro	White	Black	His- panic
Unweighted Total	1039	516	523	127	247	261	150	101	127	214	253	365	207	766	273	861	79	64
Weighted Total	1000	482	518	144	233	184	136	114	169	209	230	348	213	734	266	804	93	68
5,000 jobs	312 31%	170 35%	142 27%	56 39%	86 37%	56 30%	43 31%	29 25%	39 23%	70 34%	70 30%	106 30%	65 31%	224 30%	88 33%	266 33%	16 17%	18 27%
10,000 jobs	148 15%	87 18%	61 12%	26 18%	45 19%	32 17%	18 14%	12 11%	11 7%	30 15%	32 14%	53 15%	33 15%	104 14%	44 17%	121 15%	6 7%	11 17%
50,000 jobs	72 7%	41 9%	31 6%	6 4%	29 12%	13 7%	11 8%	7 6%	5 3%	14 7%	15 7%	26 7%	17 8%	55 8%	17 6%	60 7%	2 2%	5 7%
100,000 jobs	52 5%	29 6%	23 4%	3 2%	20 9%	9 5%	10 8%	5 5%	3 2%	7 3%	11 5%	20 6%	14 7%	39 5%	13 5%	43 5%	2 2%	3 4%

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SPOTTED OWL/OLD GROWTH FORESTS

Question 04 - "Would" Summary

Number of jobs would be willing to see lost to protect the spotted owl

	Total	Household Income						H.H. Size				Children In H.H.				Education			
		-----						-----				-----				-----			
		LT	LT	LT	LT	Or	Dual									HS	HS	Coll	Coll
		\$15K	\$25K	\$35K	\$50K	More	Income	1	2	3 Or	None	Total	Under	12-		Incom- plete	Grad	Incom- plete	Grad
Unweighted Total	1039	149	142	171	177	224	391	170	315	546	585	446	319	217		98	335	247	315
Weighted Total	1000	161	143	166	161	194	353	181	323	489	599	394	289	181		104	336	236	281
5,000 jobs	312 31%	37 23%	46 32%	56 34%	58 36%	71 37%	116 33%	55 30%	99 31%	157 32%	199 33%	112 28%	83 29%	52 29%		21 21%	91 27%	82 35%	105 37%
10,000 jobs	148 15%	19 12%	16 11%	28 17%	25 16%	40 20%	54 15%	24 13%	49 15%	74 15%	94 16%	53 14%	40 14%	24 13%		10 10%	30 9%	48 20%	58 21%
50,000 jobs	72 7%	10 6%	9 6%	13 8%	15 9%	19 10%	29 8%	13 7%	20 6%	39 8%	42 7%	30 8%	21 7%	14 8%		4 4%	17 5%	21 9%	27 10%
100,000 jobs	52 5%	6 4%	5 4%	10 6%	11 7%	18 9%	22 6%	11 6%	13 4%	28 6%	30 5%	22 6%	13 4%	14 8%		2 2%	11 3%	15 6%	22 8%

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SPOTTED OWL/OLD GROWTH FORESTS

Question 05

Favor or oppose changing the Endangered Species Act to consider the economic and social consequences of protecting a particular species of wildlife

	Sex		Age							Region					Race			Hispanic
	Total	Male	Female	18-24	25-34	35-44	45-54	55-64	65+	North-east	North-Central	South	West	Metro	Non-Metro	White	Black	
Unweighted Total	1039	516	523	127	247	261	150	101	127	214	253	365	207	766	273	861	79	64
Weighted Total	1000	482	518	144	233	184	136	114	169	209	230	348	213	734	266	804	93	68
Strongly favor/Somewhat favor (Net)	567 57%	269 56%	298 58%	91 63%	133 57%	105 57%	69 51%	64 56%	97 57%	105 50%	128 56%	210 60%	124 58%	422 57%	145 55%	462 57%	53 57%	41 60%
Strongly favor (4)	207 21%	105 22%	102 20%	24 17%	44 19%	38 20%	31 23%	28 25%	39 23%	32 15%	43 18%	89 26%	44 20%	148 20%	59 22%	168 21%	24 26%	12 18%
Somewhat favor (3)	360 36%	164 34%	196 38%	67 46%	89 38%	67 36%	38 28%	35 31%	58 34%	73 35%	85 37%	121 35%	81 38%	274 37%	86 32%	294 37%	29 31%	29 42%
Somewhat oppose/Strongly oppose (Net)	316 32%	171 36%	145 28%	43 30%	81 35%	59 32%	51 37%	31 27%	43 25%	74 35%	77 33%	96 27%	70 33%	227 31%	90 34%	250 31%	32 34%	21 31%
Somewhat oppose (2)	156 16%	80 17%	76 15%	24 17%	41 17%	26 14%	24 18%	14 12%	23 14%	31 15%	40 17%	47 13%	39 18%	113 15%	43 16%	124 15%	14 15%	10 14%
Strongly oppose (1)	161 16%	91 19%	69 13%	19 13%	41 18%	33 18%	27 20%	18 15%	20 12%	43 21%	37 16%	49 14%	32 15%	114 16%	47 18%	126 16%	18 19%	11 17%
Don't know/No response	116 12%	42 9%	75 14%	10 7%	19 8%	20 11%	16 12%	19 17%	29 17%	30 14%	25 11%	43 12%	18 9%	85 12%	31 12%	91 11%	8 9%	6 9%
Mean	2.7	2.6	2.7	2.7	2.6	2.7	2.6	2.8	2.8	2.5	2.7	2.8	2.7	2.7	2.7	2.7	2.7	2.7
Standard Deviation	1.02	1.06	0.98	0.92	1.01	1.05	1.10	1.07	0.99	1.04	1.01	1.03	0.99	1.01	1.06	1.02	1.10	0.99
Standard Error	0.03	0.05	0.05	0.09	0.07	0.07	0.10	0.12	0.10	0.08	0.07	0.06	0.07	0.04	0.07	0.04	0.13	0.13

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SPOTTED OWL/OLD GROWTH FORESTS

Question 05

Favor or oppose changing the Endangered Species Act to consider the economic and social consequences of protecting a particular species of wildlife

	Total	Household Income						H.H. Size			Children In H.H.			Education				
		LT \$15K	LT \$25K	LT \$35K	LT \$50K	Or More	Dual Income H.H.	1	2	3 Or More	None	Total	Under 12	12- 17	HS Incom- plete	HS Grad	Coll Incom- plete	Coll Grad
Unweighted Total	1039	149	142	171	177	224	391	170	315	546	585	446	319	217	98	335	247	315
Weighted Total	1000	161	143	166	161	194	353	181	323	489	599	394	289	181	104	336	236	281
Strongly favor/Somewhat favor (Net)	567 57%	78 49%	90 63%	93 56%	94 59%	115 60%	202 57%	95 52%	176 54%	293 60%	337 56%	227 58%	172 60%	99 55%	56 54%	189 56%	135 57%	158 56%
Strongly favor (4)	207 21%	23 14%	41 29%	32 19%	36 22%	43 22%	71 20%	34 19%	69 21%	103 21%	120 20%	87 22%	63 22%	42 23%	26 25%	59 17%	58 25%	52 18%
Somewhat favor (3)	360 36%	55 34%	48 34%	61 36%	58 36%	72 37%	131 37%	61 34%	107 33%	191 39%	217 36%	141 36%	109 38%	58 32%	30 29%	131 39%	77 33%	107 38%
Somewhat oppose/Strongly oppose (Net)	316 32%	53 33%	45 32%	52 31%	54 34%	65 34%	114 32%	58 32%	103 32%	152 31%	182 30%	132 33%	89 31%	70 39%	29 28%	107 32%	75 32%	94 33%
Somewhat oppose (2)	156 16%	28 18%	19 13%	27 16%	26 16%	31 16%	57 16%	28 15%	56 17%	70 14%	92 15%	62 16%	42 15%	35 19%	12 11%	58 17%	38 16%	42 15%
Strongly oppose (1)	161 16%	24 15%	26 18%	25 15%	28 17%	35 18%	57 16%	30 17%	48 15%	82 17%	90 15%	70 18%	46 16%	35 20%	17 17%	48 14%	37 16%	51 18%
Don't know/No response	116 12%	30 18%	8 5%	22 13%	13 8%	13 7%	37 10%	28 16%	44 13%	44 9%	80 13%	35 9%	28 10%	11 6%	18 18%	40 12%	26 11%	29 10%
Mean	2.7	2.6	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.8	2.7	2.7	2.6
Standard Deviation	1.02	0.99	1.09	1.00	1.04	1.04	1.01	1.04	1.02	1.02	1.01	1.05	1.02	1.07	1.10	0.97	1.05	1.03
Standard Error	0.03	0.09	0.09	0.08	0.08	0.07	0.05	0.09	0.06	0.05	0.04	0.05	0.06	0.08	0.12	0.06	0.07	0.06

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Question 06

Favor or oppose changing the Endangered Species Act to consider the economic and social consequences of protecting a particular species of wildlife after hearing the arguments concerning the act

	Sex		Age							Region					Race			His-panic
	Total	Male	Fe-male	18-24	25-34	35-44	45-54	55-64	65+	North-east	North-Central	South	West	Metro	Non-Metro	White	Black	
Unweighted Total	1039	516	523	127	247	261	150	101	127	214	253	365	207	766	273	861	79	64
Weighted Total	1000	482	518	144	233	184	136	114	169	209	230	348	213	734	266	804	93	68
Strongly favor/Somewhat favor (Net)	566 57%	266 55%	300 58%	85 59%	138 59%	107 58%	69 51%	58 51%	99 58%	111 53%	144 62%	189 54%	122 57%	419 57%	147 55%	474 59%	46 49%	35 52%
Strongly favor (4)	179 18%	92 19%	87 17%	21 14%	40 17%	30 16%	24 17%	21 18%	40 23%	34 16%	47 20%	63 18%	35 16%	129 18%	50 19%	155 19%	16 17%	7 10%
Somewhat favor (3)	387 39%	174 36%	213 41%	65 45%	97 42%	77 42%	46 34%	38 33%	59 35%	77 37%	97 42%	126 36%	87 41%	290 39%	97 37%	320 40%	30 32%	29 42%
Somewhat oppose/Strongly oppose (Net)	356 36%	191 40%	165 32%	56 39%	86 37%	63 34%	57 42%	39 35%	47 28%	80 38%	71 31%	127 36%	79 37%	258 35%	98 37%	275 34%	39 42%	26 39%
Somewhat oppose (2)	181 18%	95 20%	86 17%	37 26%	44 19%	27 15%	24 18%	18 16%	26 15%	37 18%	32 14%	68 20%	43 20%	126 17%	54 20%	132 16%	24 26%	16 24%
Strongly oppose (1)	176 18%	96 20%	80 15%	19 13%	43 18%	36 20%	33 24%	22 19%	21 12%	42 20%	38 17%	58 17%	37 17%	132 18%	44 16%	143 18%	15 16%	10 15%
Don't know/No response	78 8%	25 5%	53 10%	3 2%	9 4%	13 7%	10 7%	17 14%	23 14%	18 8%	16 7%	33 9%	12 5%	57 8%	21 8%	55 7%	8 9%	7 10%
Mean	2.6	2.6	2.7	2.6	2.6	2.6	2.5	2.6	2.8	2.5	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.5
Standard Deviation	1.00	1.03	0.97	0.90	0.99	1.01	1.07	1.06	1.00	1.03	1.00	1.00	0.98	1.00	1.00	1.01	0.99	0.90
Standard Error	0.03	0.05	0.04	0.08	0.06	0.06	0.09	0.11	0.09	0.07	0.07	0.05	0.07	0.04	0.06	0.04	0.12	0.12

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Question 06

Favor or oppose changing the Endangered Species Act to consider the economic and social consequences of protecting a particular species of wildlife after hearing the arguments concerning the act

	Total	Household Income						H.H. Size			Children In H.H.			Education				
		-----					Dual Income H.H.	-----		-----		-----		-----				
		LT \$15K	\$15K- LT \$25K	\$25K- LT \$35K	\$35K- LT \$50K	\$50K Or More		1	2	3 Or More	None	Total	Under 12	12- 17	HS Incom- plete	HS Grad	Coll Incom- plete	Coll Grad
Unweighted Total	1039	149	142	171	177	224	391	170	315	546	585	446	319	217	98	335	247	315
Weighted Total	1000	161	143	166	161	194	353	181	323	489	590	394	289	181	104	336	236	281
Strongly favor/Somewhat favor (Net)	566 57%	75 47%	85 60%	100 60%	91 57%	119 62%	205 58%	93 51%	183 57%	286 59%	327 55%	235 60%	177 61%	106 59%	54 53%	189 56%	136 58%	162 58%
Strongly favor (4)	179 18%	22 14%	28 20%	31 19%	29 18%	35 18%	58 17%	39 21%	62 19%	77 16%	112 19%	66 17%	51 18%	28 15%	22 21%	46 14%	42 18%	60 21%
Somewhat favor (3)	387 39%	53 33%	57 40%	69 42%	62 38%	84 43%	147 42%	54 30%	121 37%	210 43%	215 36%	169 43%	126 44%	78 43%	33 32%	143 42%	93 40%	102 36%
Somewhat oppose/Strongly oppose (Net)	356 36%	68 42%	50 35%	56 34%	59 37%	67 34%	131 37%	65 36%	113 35%	177 36%	214 36%	142 36%	100 34%	68 37%	35 34%	127 38%	84 35%	97 35%
Somewhat oppose (2)	181 18%	35 22%	27 19%	30 18%	29 18%	26 13%	65 18%	36 20%	61 19%	83 17%	116 19%	64 16%	47 16%	31 17%	11 11%	78 23%	45 19%	39 14%
Strongly oppose (1)	176 18%	33 21%	22 16%	26 16%	30 19%	41 21%	67 19%	30 16%	52 16%	94 19%	98 16%	78 20%	53 18%	37 20%	24 23%	48 14%	39 16%	58 21%
Don't know/No response	78 8%	17 11%	8 5%	10 6%	11 7%	8 4%	16 5%	23 13%	27 8%	26 5%	59 10%	17 4%	13 4%	7 4%	14 14%	21 6%	17 7%	22 8%
Mean	2.6	2.4	2.7	2.7	2.6	2.6	2.6	2.6	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Standard Deviation	1.00	1.02	0.99	0.98	1.02	1.03	0.99	1.05	1.00	0.99	1.00	1.01	0.99	1.00	1.13	0.92	0.99	1.07
Standard Error	0.03	0.09	0.09	0.08	0.08	0.07	0.05	0.09	0.06	0.04	0.04	0.05	0.06	0.07	0.12	0.05	0.07	0.06

On another subject . . .

O1 In the last year or so, do you RECALL reading or hearing anything about a controversy involving the spotted owl and old growth forests in the Pacific Northwest?

- 1 YES, RECALL
- 2 NO, DO NOT RECALL
- 3 DON'T KNOW

O2 Right now, there is a strong disagreement between environmentalists and the timber industry and its workers over the spotted owl. The environmentalists believe the spotted owl should be protected even if this means thousands of jobs in the timber industry are lost. The timber industry and its workers believe it is more important to save the thousands of jobs in the timber industry than to protect the spotted owl. If you had to choose, who do you generally agree with more on this issue -- the ENVIRONMENTALISTS or the TIMBER INDUSTRY and TIMBER WORKERS? (DO NOT READ LIST)

- 1 ENVIRONMENTALISTS
- 2 TIMBER INDUSTRY & WORKERS
- 3 DON'T KNOW

O3 Which of the following statements is closer to your own opinion on the issue of the spotted owl and the timber industry? (READ AND ROTATE)

- 1 The spotted owl must be protected at all cost, even if this means thousands of jobs in the timber industry are lost as a result
- 2 The government should seek to strike a balance so that the spotted owl is protected and that while some timber jobs are lost, these job losses are kept to a minimum
- 3 People are more important than owls, the government should make sure that jobs in the timber industry are protected even if this means the spotted owl might become extinct
- 4 DON'T KNOW

O4 I'm going to read you some estimates of how many jobs might be lost in order to protect the spotted owl. Please tell me whether you WOULD or WOULD NOT be willing to see the following levels of job losses to protect the spotted owl.

- 1 WOULD
- 2 WOULD NOT
- 3 DON'T KNOW

5,000 jobs
10,000 jobs
50,000 jobs
100,000 jobs

- 2 -

- O5 Do you **STRONGLY FAVOR**, **SOMEWHAT FAVOR**, **SOMEWHAT OPPOSE**, or **STRONGLY OPPOSE** changing the Endangered Species Act to consider the economic and social consequences of protecting a particular species of wildlife?

- 1 **STRONGLY FAVOR**
- 2 **SOMEWHAT FAVOR**
- 3 **SOMEWHAT OPPOSE**
- 4 **STRONGLY OPPOSE**
- 5 **DON'T KNOW**

- O6 Some people believe the Endangered Species Act should be changed to consider the economic and social consequences of protecting particular species of wildlife. These people say that right now, the law often forces thousands of people to lose their jobs and that the law does not allow a balance to be achieved between protecting wildlife and protecting people's livelihoods.

Other people disagree. They say any change to the Endangered Species Act would mean walking away from a national commitment to protect the country's natural resources. These people say the law must be left the way it is or it will no longer serve as a way to protect endangered species.

Having heard these arguments, do you **STRONGLY FAVOR**, **SOMEWHAT FAVOR**, **SOMEWHAT OPPOSE**, or **STRONGLY OPPOSE** changing the Endangered Species Act to consider the economic and social consequences of protecting a particular species of wildlife?

- 1 **STRONGLY FAVOR**
- 2 **SOMEWHAT FAVOR**
- 3 **SOMEWHAT OPPOSE**
- 4 **STRONGLY OPPOSE**
- 5 **DON'T KNOW**