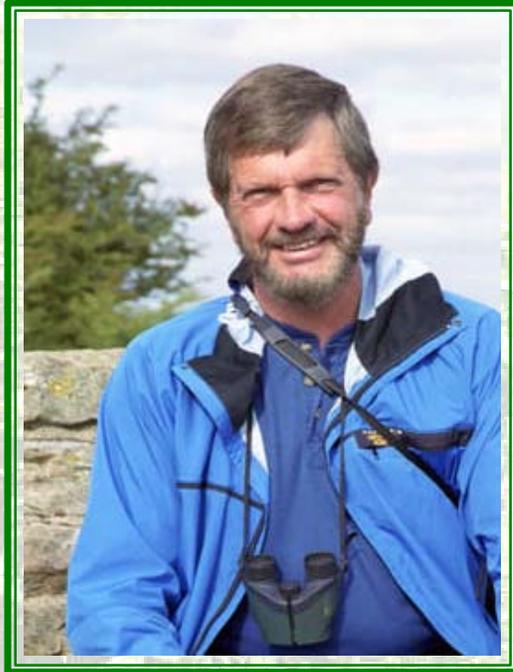


BRINGING THE PUBLIC'S VOICE TO THE TABLE



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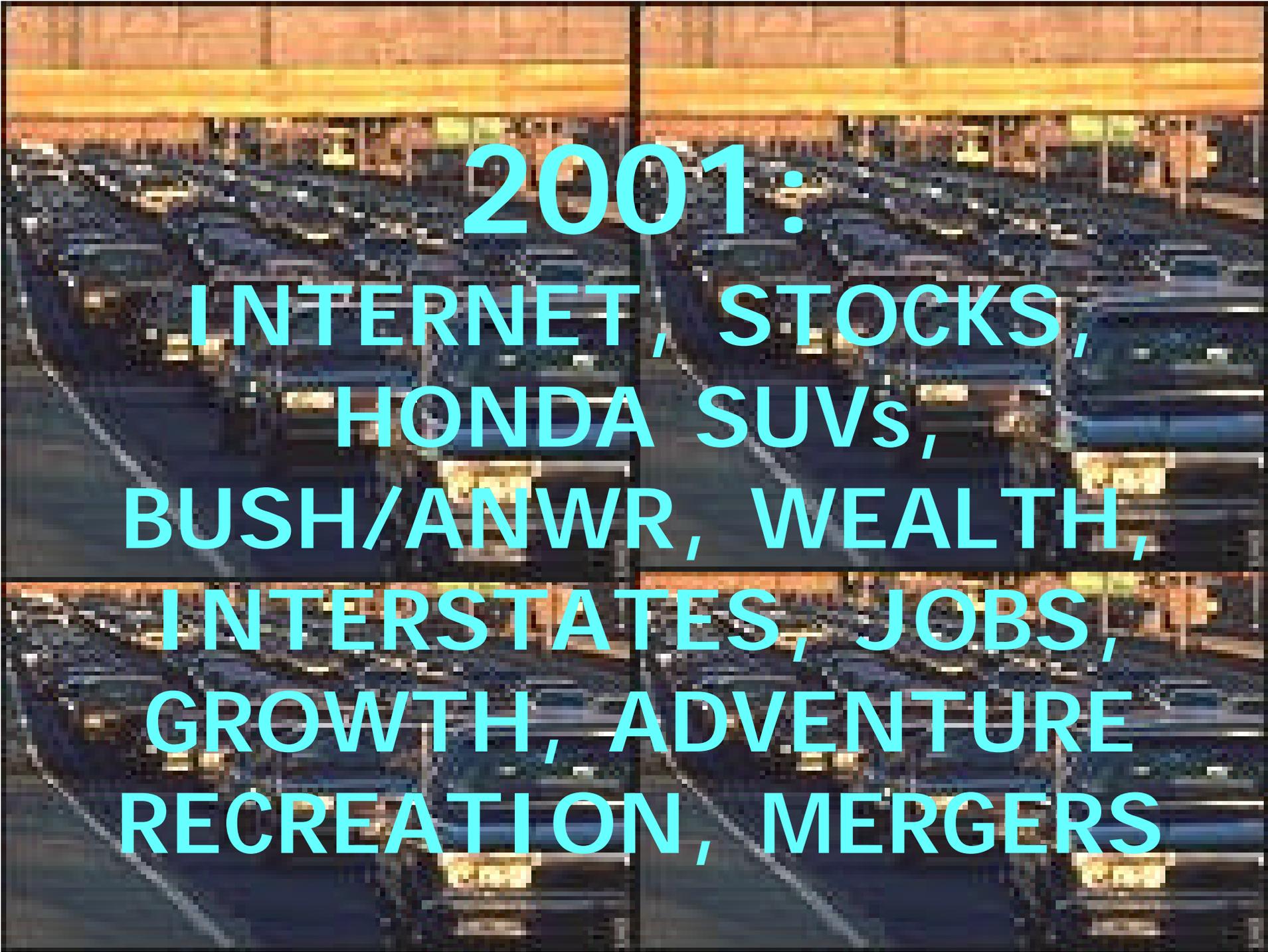
Graphics by Shela Mou

A Changing America



1960s:

Flower Children, VW
Camper Vans, The Beatles,
Vietnam, Kennedy, Family
Vacations, Chevy Impala V8



**2001:
INTERNET, STOCKS,
HONDA SUVs,
BUSH/ANWR, WEALTH,
INTERSTATES, JOBS,
GROWTH, ADVENTURE
RECREATION, MERGERS**

Demographic Percentages: 1960 and 2000

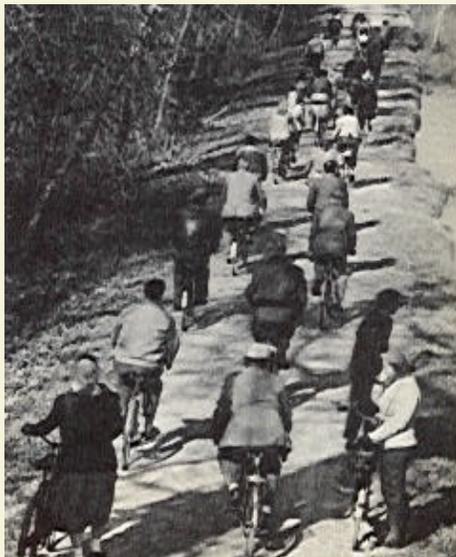
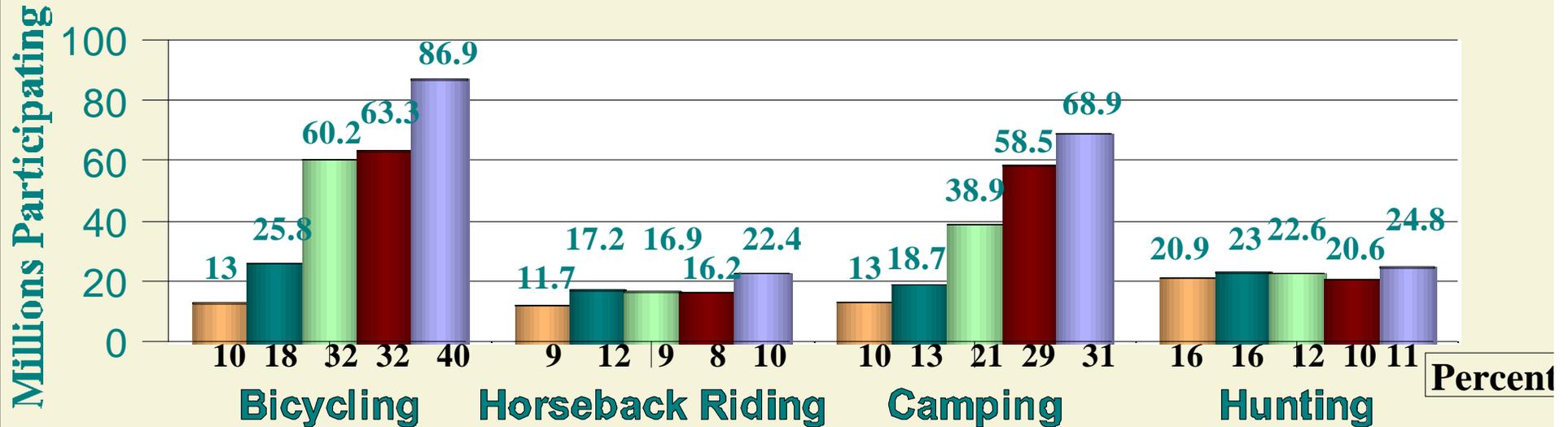
	<u>1960</u>		<u>2000</u>	
Residence in MSA	60.5		80.2	
Over 1 million	26.1		21.4	
Under 1 million	34.5		58.8	
<u>Not</u> in MSA	39.5		19.8	
Race	White		82.9	
	Non-White		17.1	
Age	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>
All	47.9	52.1	48.4	51.6
12-17	7.3	7.0	5.3	5.0
18-24	5.3	6.2	5.9	5.7
25-44	16.6	18.1	17.9	18.2
45-64	13.4	14.3	13.0	13.8
65+	5.3	6.5	6.3	8.9

(Continued) Demographic Percentages: 1960 and 2000

	<u>1960</u>	<u>2000</u>
Family Income (1998\$)		
(Note: 45.54 million U.S. families in 1960. 71.55 million families in 1998.)		
Percentiles		
20 th	14,093	21,600
40 th	24,298	37,692
60 th	32,215	56,020
80 th	44,547	83,693
95 th	68,521	145,199
Educational Attainment, Age 25 and Over		
8 th grade or less	37.5	7.4
9-11 th grade	18.5	9.7
High school graduate	27.1	33.8
Some college	9.1	24.7
College degree or higher	7.7	24.4

Long-Term Trends - Land

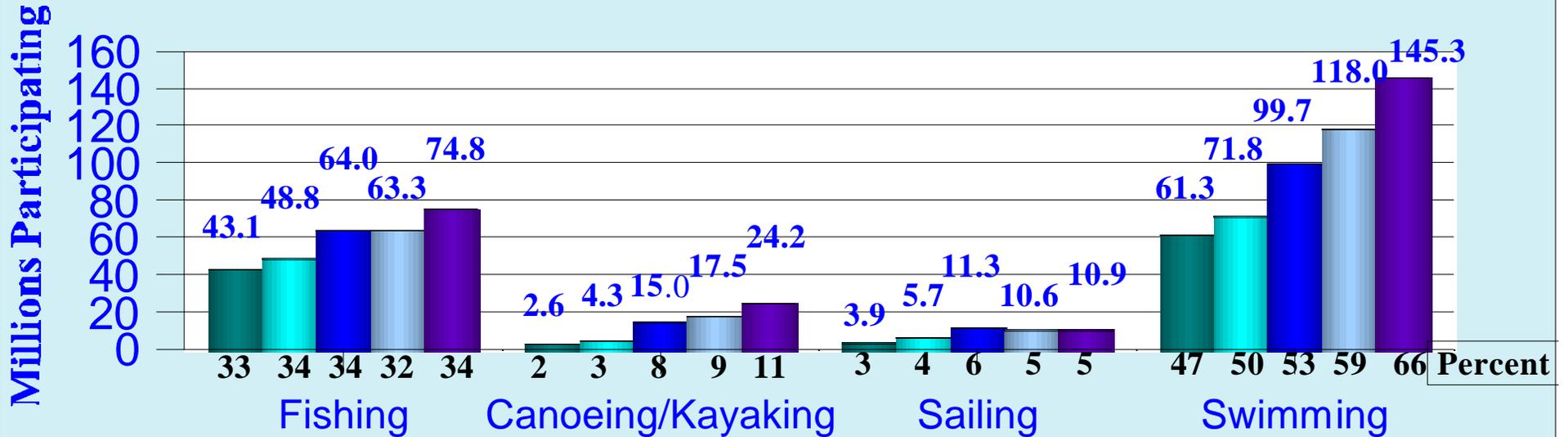
(12 or older)



- 1960 (131 million)
- 1965 (144 million, 10% more)
- 1982-83 (188 million, 44% more)
- 1994-95 (216 million, 65% more)
- 1999-2000 (220 million, 68% more)

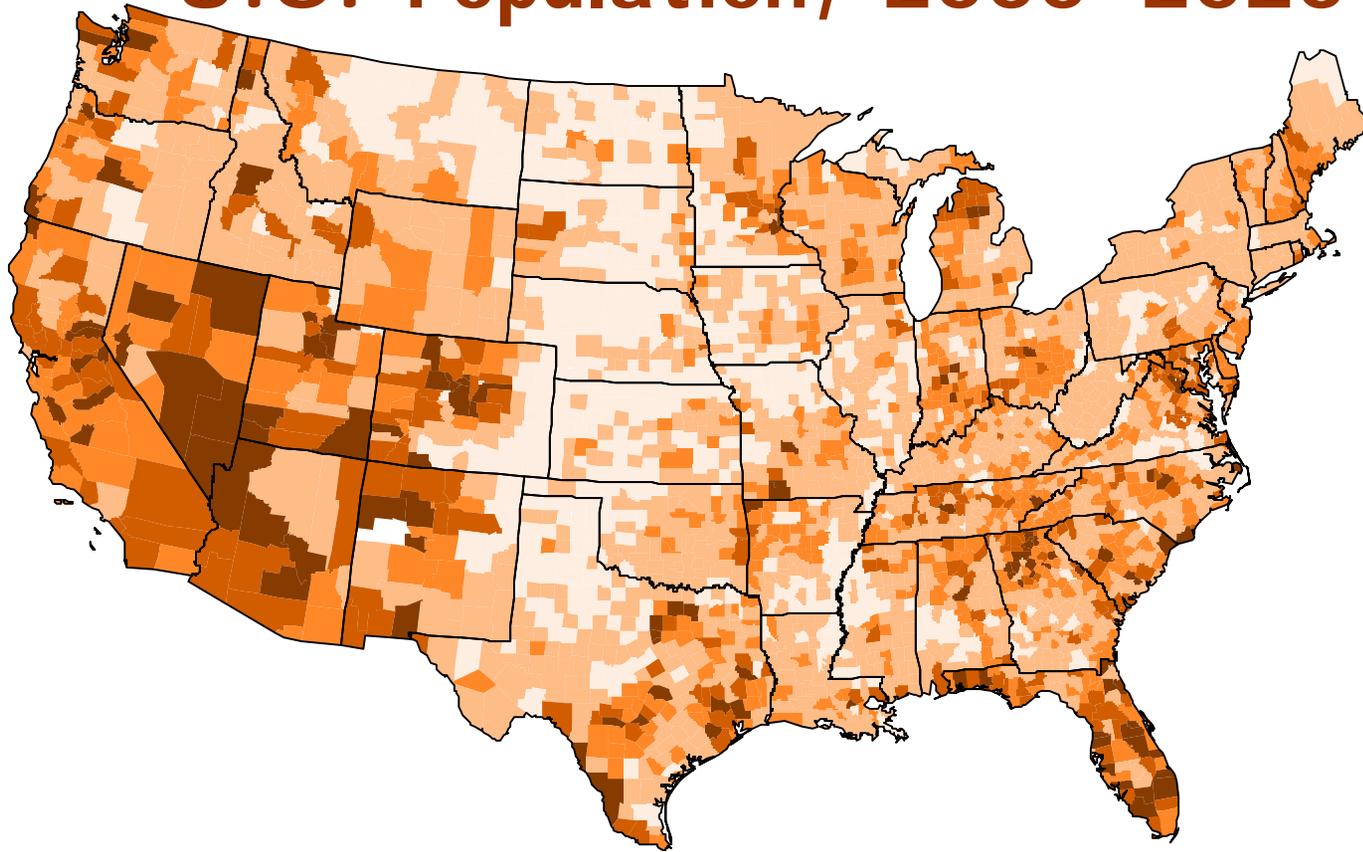
Long-Term Trends - Water

(12 or older)

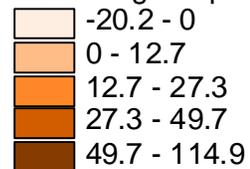


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The Geography of Projected Change in U.S. Population, 2000-2020



Percentage Population Change



Percentage Population change by Region and Conterminous U.S.

North	8.2
Pacific Coast	23.7
South	23.8
Rocky Mountains	28.5
Conterminous States	17.4

The Changing American Society

➤ About 1 million new immigrants per year

➤ More people:

1990	248 mm
2000	275 mm
2020	325 mm
2050	404 mm
2075	481 mm
2100	571 mm

➤ Getting older: Median age 35 → 38 (by 2020)

➤ Changing ethnicities by 2050:

Anglo Americans	76% → 50%
African Americans	12% → 15%
Hispanic Americans	9% → 21%
Asian Americans	4% → 11%

**WHAT DOES ALL
THIS CHANGE MEAN
FOR OUR PUBLIC
LANDS AND THEIR
MANAGEMENT?**

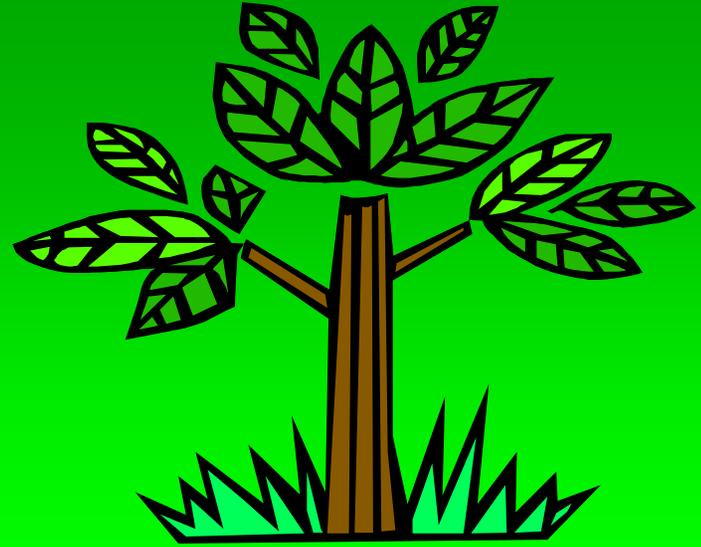
**IF THE “PUBLIC”
WAS AT THE
DECISION TABLE,
WHAT WOULD THEY
SAY?**

NATIONAL SURVEY
ON RECREATION
AND THE
ENVIRONMENT—

NSRE 2000

NSRE 2000

- **A sample of over 50,000 households, from the Keys to ANWR**
- **Includes individuals 16 years or older**
- **Ties back to the first National Recreation Survey by the Outdoor Recreation Resources Review Commission in 1960**
- **Is the Nation's on-going recreation survey, the 8th**
- **Interagency sponsorship—USFS, NOAA, ERS, EPA, NPS, BLM.**
- **Others involved, National Scenic Byways Program, Heritage, Wilderness, Bicycle Safety, The Heinz Center**
- **State of the Art delivery—Internet, books and reports**



ENVIRONMENTAL ATTITUDES

Voting on the Most Important Issue

	First Choice	Second Choice
Reducing Crime	29	23
Reforming Health Care	22	22
Saving Social Security	21	21
Protecting the Environment	16	23
Reducing the Public Debt	9	10
Don't Know	3	1

“They (American’s surveyed) rank the environment third on their list of critical public issues requiring government support, just behind crime and education. 60% feel the government spends too little on the environment”.

(National Opinion Research Center, Chicago, Ill., 2000)

Spending on the Environment



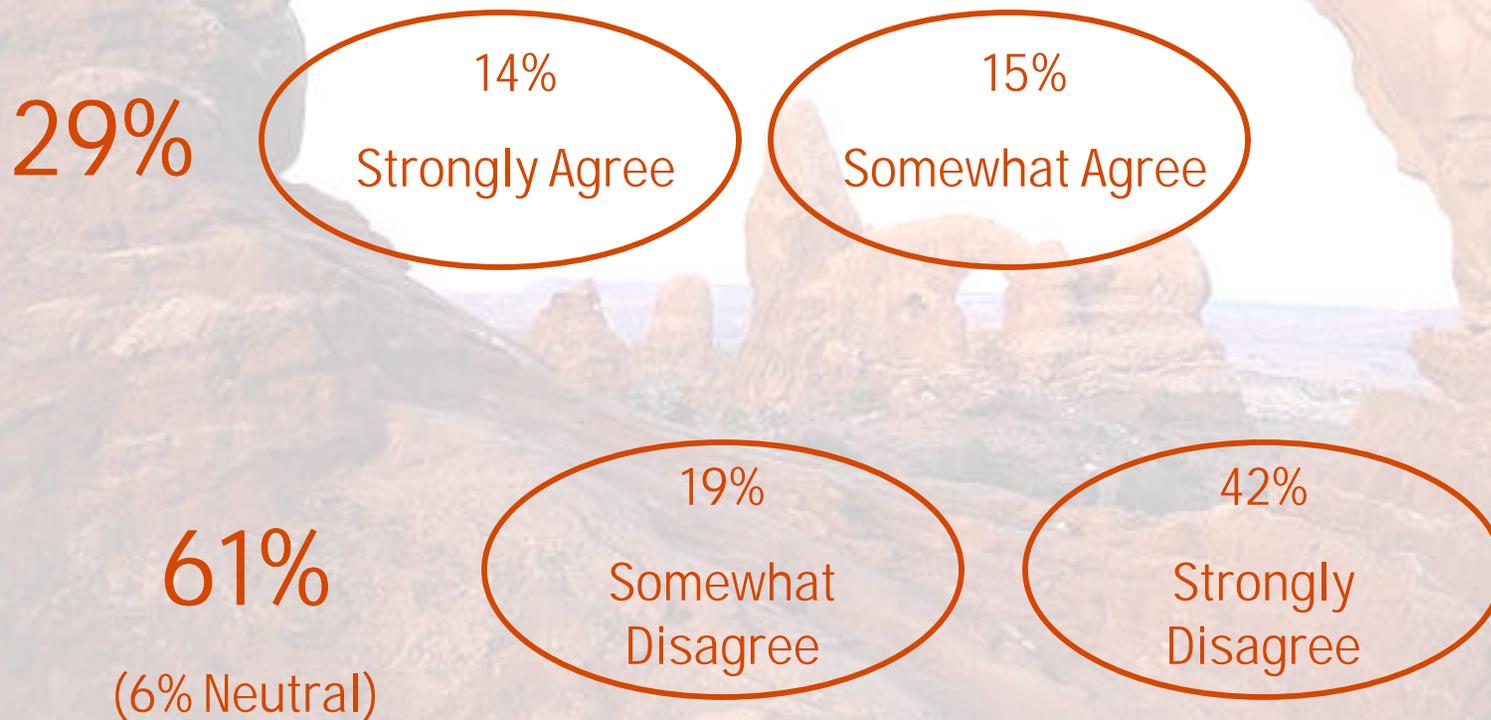
Too Much **7%**

Too Little **49%**

About Right **28%**

(Don't Know)
(15%)

Humans Were Meant to Rule Over Nature



**Public
Thoughts on
Public Lands**

Objectives for Public Lands

(Percent saying important to very important)

Expanding access for motorized vehicles (20%)

Developing trail systems for motorized uses (29%)

Developing trail systems for non-motorized rec. (57%)

Conserving/protecting sources of water (91%)

Designating more wilderness areas (58%)

Developing paved roads for cars (19%)

Preserving resources through policies (75%)

Preserving wilderness experience (74%)

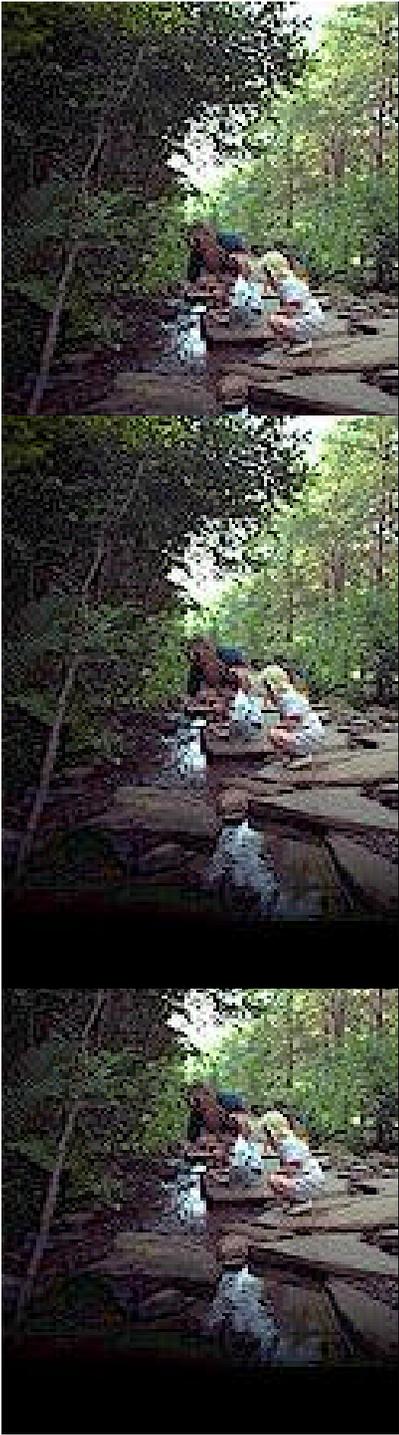
Protecting ecosystems/habitats (86%)

Providing resources to help local communities (51%)

Increasing acres in public land (53%)

Expanding commercial recreation (28%)

Informing public on potential environmental impacts (81%)



Public Land Management Objectives MOST Desired by the Public

- ❖ Conserve and protect natural sources of **water** (91.4%)
- ❖ Better information for users, such as **respect** for wildlife and trail etiquette (87.2%)
- ❖ Protect natural **ecosystems** and wildlife habitats (86.0%)
- ❖ More use of **volunteers** for resource protection and improvement (85.6%)
- ❖ Better information for users about **use impacts** (81.1%)
- ❖ Consistent **policy** for guiding resource uses and management (76.0%)



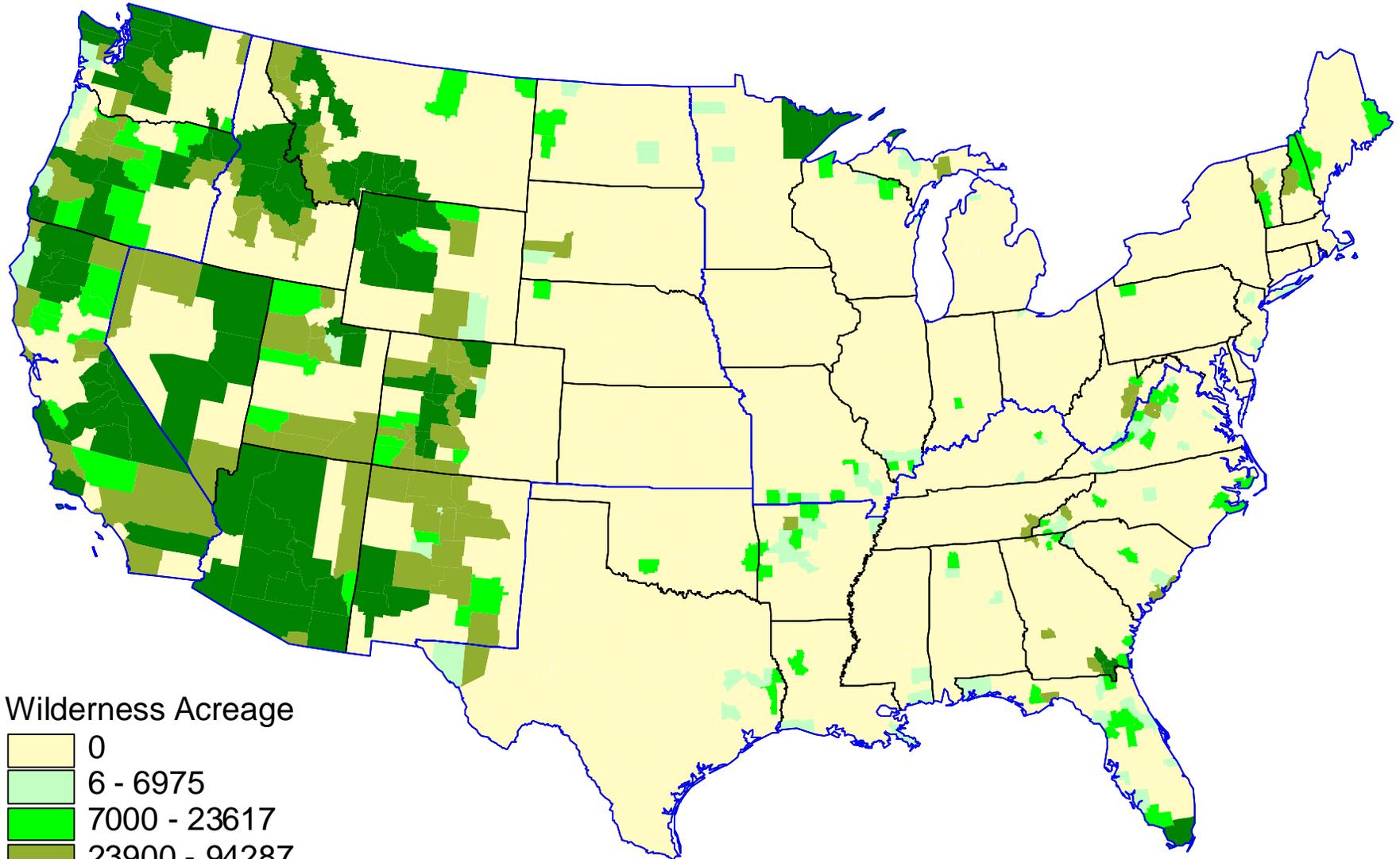
Public Land Management Objectives LEAST Desired by the Public

- Develop more trails for motorized uses (28.9%)
- Expand commercial recreation uses (28.2%)
- Make special use permits easier to get (27.3%)
- Trade public lands for private lands to consolidate public holdings (22.1%)
- Expand access to motorized vehicles (19.8%)
- Develop more paved roads (19.2%)

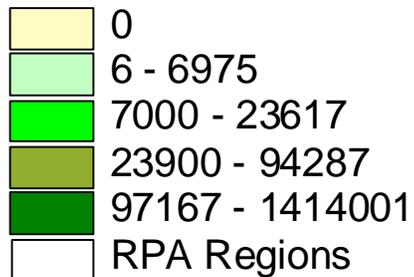
**WILDERNESS
ATTITUDES AND
VALUES**

**A BASIC QUESTION:
IS WILDERNESS STILL
APPROPRIATE AND
WANTED BY TODAY'S
U. S. SOCIETY?**

Counties with Wilderness Acreage



Wilderness Acreage



Public Views on Wilderness

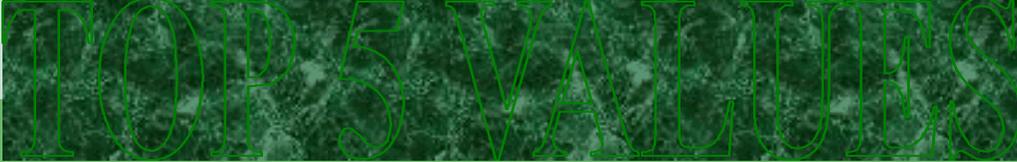
- Nationally about 1/2 of American's 16+ report knowing about the NWPS
- Only 4.4% feel we have put too many acres into the NWPS:
 - Not enough, 52.6%
 - About right, 26.9%
 - Too much, 4.4%
 - Not sure, 15.4%



What Americans Value About Wilderness

<u>Wilderness Value</u>	<u>Percentage Saying It Is</u>	
	<u>Extremely Important</u>	<u>Slightly or Not Important</u>
Protecting air quality	58.4	1.5
Protecting water quality	55.9	1.5
Protecting wildlife habitat	52.7	3.1
Protecting endangered species	49.8	5.0
Legacy for future generations	49.1	3.1
Preserving unique ecosystems and genetics	44.3	5.1
Future option to visit	37.5	7.1
Just knowing it is preserved	36.9	6.4
Providing scenic beauty	35.4	5.5
Providing recreation opportunities	27.8	7.2
Providing spiritual inspiration	25.9	16.7
Undisturbed area for scientific study	23.9	11.6
Providing income for tourism industry	9.7	33.5

TOP 5 VALUES



-
- **Protecting air quality**
 - **Protecting water quality**
 - **Protecting wildlife habitat**
 - **Protecting T&E species**
 - **Legacy for future generations**
- (By Majority Vote)**

Lowest 4 Values

- Providing recreation opportunities
- Providing spiritual inspiration
- Using areas for scientific study
- Stimulate income for tourism industry

(All Ballots Counted)

Year 2000 Wilderness Area Visits on National Forests

<u>Region</u>	<u>Visits (1000's)</u>
1	400
2	1,630
3	2,280
4	1,640
5	1,040
6	2,780
8	670
9	1,220
10	<u>1,450</u>
<i>TOTAL</i>	<i>13,110</i>

Source: National Recreation Use Monitoring Study, 1/24/01

***OUTDOOR
RECREATION
PARTICIPATION***



Activities Rising Fastest By Percentage (1982 to 2001) (16 or older)

	<u>% Growth</u>	<u>No. in 2000</u>
Bird watching	235.9	71.2
Hiking	195.9	73.1
Backpacking	165.9	23.4
Snow-mobiling	107.5	66.9
Walking	91.2	179.0
Off-road driving	89.2	27.9
Primitive camping	81.9	32.2
Developed camping	76.0	52.8
Downhill skiing	66.9	17.7
Swimming/river, lake or ocean	64.4	78.1

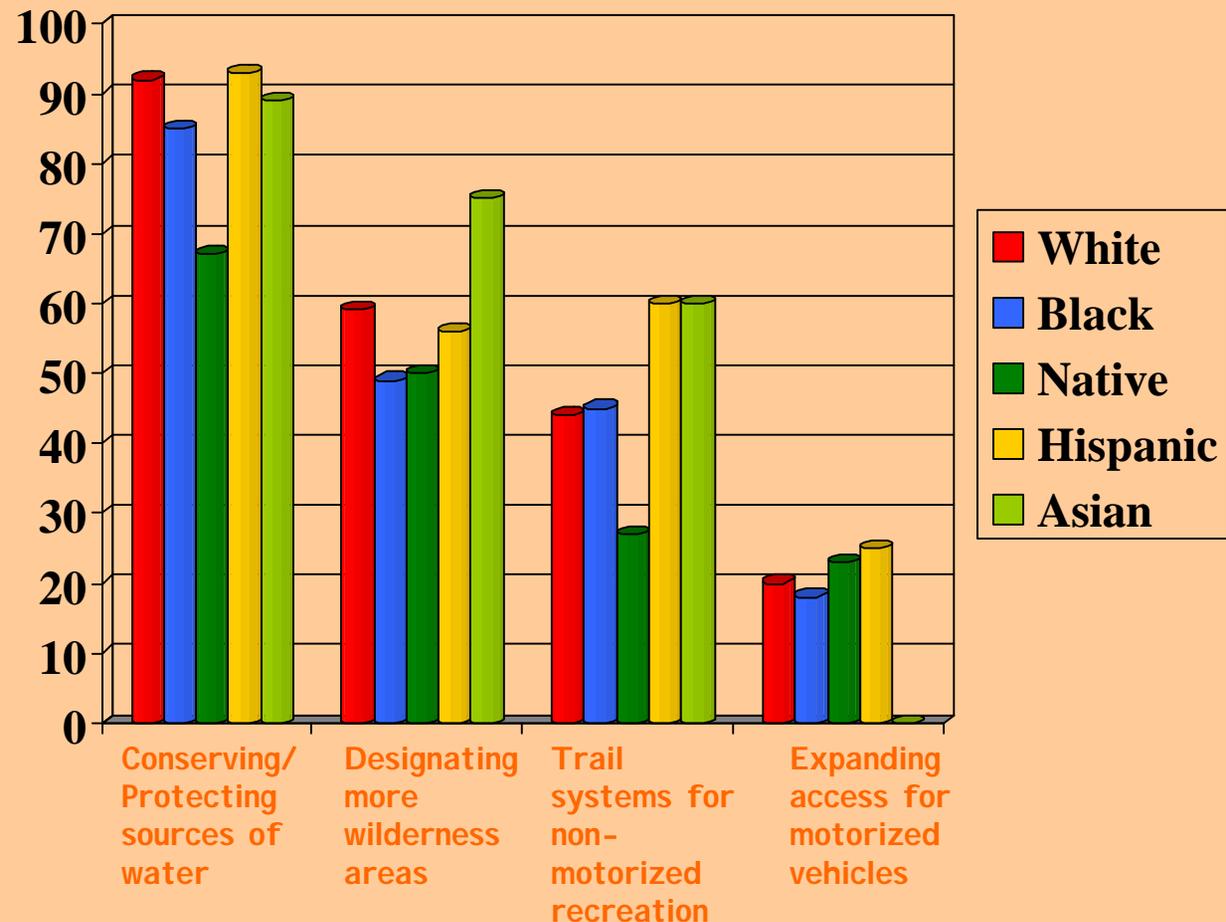
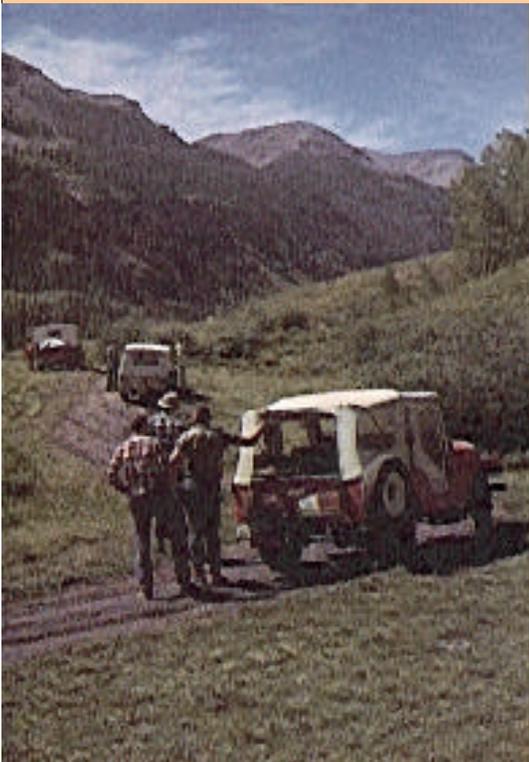


Activities Adding the Most Participants 16 or older, 1982-2001

	<u>Millions</u>	
	<u>Growth</u>	<u>No. in 2000</u>
Walking	85.4	179.0
Bird watching	50.0	71.2
Hiking	48.4	73.1
Swimming/river, lake, or ocean	36.4	92.9
Sightseeing	32.7	114.0
Picnicking	31.8	116.6
Bicycling	27.4	83.9
Developed camping	22.8	52.8
Motor boating	17.8	51.4
Off-road driving	17.3	36.7
Backpacking	14.6	23.4

*ACCOUNTING
FOR
DIFFERENCES*

COMPARING IMPORTANCE OF PUBLIC LAND OBJECTIVES BETWEEN ETHNIC GROUPS





Should designate more Wilderness within Federal lands

Important/ Very Important

Urban	62%
Suburban	56%
Rural	47%



Should designate more Wilderness within Federal lands

Important/ Very Important

White	59%
Black	49%
Hispanic	56%
Asian	75%



Should designate more Wilderness within Federal lands

Important/ Very Important

North	66%
South	55%
Great Plains	50%
Rockies	59%
Pacific Coast	59%

*REACHING OUT
TO LISTEN,
INFORM AND
INVOLVE*

**The Urban
Beach Boys**

**Young
New England
Wind Surfers**

**Young
Outdoor Lads**

**Golden Years
Seniors**

**Back to
Nature Boomers**

**The Noreaster
Musclers**

**Middle America
Hunt-N-Fish
Men's Club**

**The Gen-X
Ski Equals**

The Urban Beach Boys (4.4%)

- ☞ Diving, Surfing, Snorkeling, Kayaking, Sailing, Saltwater Fishing, and Jet Skiing
 - ☞ Active in a lot of activities, except hunting and fresh water fishing
 - ☞ Two-thirds white, Asian/Pacific Islanders well represented, under 35, but not foreign born
 - ☞ South Atlantic and Pacific Coast
 - ☞ Regularly like to go to movies, use internet at home, participate in environmental groups, invest, and attend classes
 - ☞ Strongly advocate wilderness preservation
 - ☞ More strongly believe than most Americans that humans are abusing the earth, on a course for ecological catastrophe and the balance of nature is delicate
- 

Young New England Wind Surfers (1.3%)



- ψ Wind surfing, kayaking, surfing, non-motorized winter activities, diving, snorkeling, sailing
- ψ More active than most Americans in all activities
- ψ 85% white; two-thirds male; under 25; urban; but, not activity choices of other ethnicities, those over 55, ruralites, or foreign born
- ψ New England strongly represented, also Pacific Coast
- ψ Regularly into adult learning, environmental groups, movies, the country club scene, second homes, and volunteering to work with youth
- ψ Value preserving wilderness, especially for scientific value
- ψ More strongly believe environmental crisis is greatly exaggerated, even though we are nearing the earth's limits

The Golden Years Seniors

(45.8%)



Not very active in outdoor activities, except for a bit of walking, picnicking, family gatherings, and sightseeing

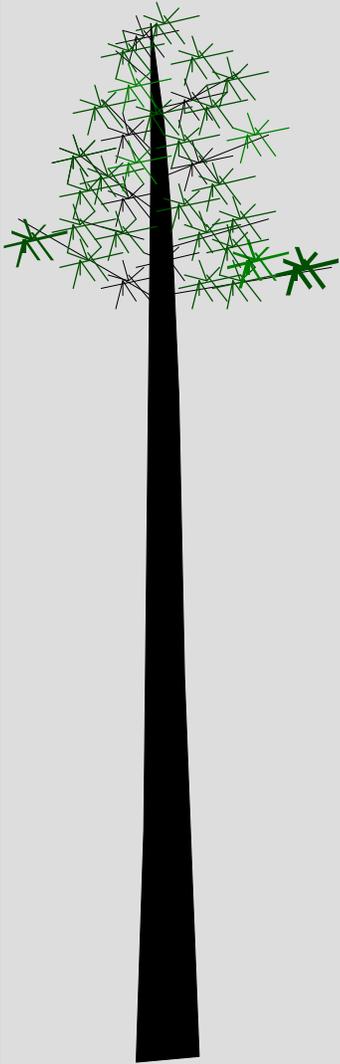
Almost 60% female, blacks and Hispanic well represented, over 45, especially over 65, mostly urban

Regularly attend religious services, eat out, cook at home, and especially spend time with grandchildren

Not much aware of NWPS, show more support for using wilderness for recreation, tourism promotion, and science

More strongly believe human ingenuity will insure the earth, Humans can modify the environment to meet needs, Humans were meant to rule over nature, Humans can control nature, and the environmental crisis is exaggerated

Back to Nature Boomers (25.8%)



- ❖ Backpacking, camping, visiting wilderness, gathering mushrooms/berries, trout fishing, hiking, viewing/learning, mountain biking
- ❖ Not into hunting, surfing, motorized activities or snow sports
- ❖ More females than males, white and Hispanic, middle aged, proportionate urban/rural
- ❖ Mountain West and Pacific Coast well represented
- ❖ Read environmental magazines, youth volunteering, donate to charities
- ❖ Aware of the NWPS, cross-section of American's values regarding wilderness
- ❖ Believe humans are abusing the earth, the balance is delicate, and we are on a course for catastrophe

The Young Outdoor Lads (0.5%)



-  Bird hunting, scuba, small game hunting, snorkeling, big game hunting, saltwater fishing, camping
-  Very active across a large number of activities
-  90% male, 90% white, American Indians well represented, mostly under 35, not an activity profile chosen by foreign born
-  Great Plains and Southern
-  Members of conservation groups, have vacation property, read nature magazines, attend movies
-  Wilderness is a recreation resource, it's a science preserve, and provides future recreation options
-  While we are nearing the earth's limits, these Lads believe human ingenuity will assure the earth's future



The Noreaster Musclers (7.3%)

- **Cross-country skiing, rowing, kayaking, canoeing, downhill skiing, snowmobiling, and snowboarding**
- **They don't hunt or drive off-road**
- **Equal male/female, whites, young to middle aged (not seniors), urban, from New England and the Prairie States**
- **Members of conservation groups, use the internet at home, attend concerts, have vacation property, invest, belong to a country club**
- **2/3 aware of wilderness; back preservation, not use**
- **More belief that we are abusing the earth, the balance of nature is delicate and we may be heading for disaster**

Middle America Hunt-n-Fish Men's Club (6.1%)



- Hunt, fish, motorized, camp, motorboat, canoe
- Don't participate in beach activities
- Predominantly male, white, under 40, U.S. citizen, rural, Prairie and Southern
- Belong to conservation group, read nature magazines, own a business, have pets, woodworking, and home improvements
- More utilitarian than rest of public
- More strongly believe human ingenuity will insure the earth, humans were meant to rule over the earth, and environmental crisis is exaggerated



The Gen-X Ski Equals (8.8%)

- ❖ Water ski, jet ski, rafting, snowmobiling, snowboarding, motor activities, downhill skiing, rowing, canoeing
- ❖ They don't do beach activities nor viewing/learning
- ❖ Equal male/female, white, young (under 30), U.S. born, Midwestern
- ❖ Good cross-section of American lifestyles, except greater use of internet and country clubs
- ❖ Less aware of NWPS, lean toward preservation instead of utilization
- ❖ Mirror most American's beliefs that we are abusing the earth and may be heading for disaster

**The Urban
Beach Boys**

**Young
New England
Wind Surfers**

**Young
Outdoor Lads**

**Golden Years
Seniors**

**Back to
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**The Noreaster
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NSRE 2000

SOUTHERN FOREST SCIENCE CONFERENCE



- **Contributions of Forest Science to Sustainable Forestry**
- **Renaissance Waverly Hotel in Atlanta, Georgia**
- **Nov. 26-28, 2001**
- **www.southernforestscience.net**
- **Abstracts due March 15**