

# OREGON COASTAL & OCEAN POLICY SURVEY\*

## Results



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## Introduction

Results for this study are based on a survey conducted between July and September, 2002 of a random sample of Oregon households. The survey was stratified by coastal and non-coastal households to insure an adequate sample of coastal residents. The coastal sample includes households west of the crest of the coastal mountain range. In order to generate representative results, each contacted household was issued the following request for participation: "If available, we would prefer the person, 18 years old or older, who most recently celebrated a birthday to complete the survey." Funding for the survey was provided by Oregon Sea Grant as part of the proposal "Understanding the Role of Knowledge in Public Support of Salmon Restoration and Sustainable Pacific Fisheries." For the results presented here, one can say with 95% confidence that the error attributable to sampling and other random effects is approximately plus or minus 4.2 percentage points for the coast sample and 2.9 percentage points for the non-coastal sample. As with all opinion and attitude survey efforts, the wording of questions, respondent misinterpretation, and other difficulties associated with implementing survey research efforts can result in some error or unintended bias beyond that attributable to the size of the samples employed. *Note:* Frequencies may range from 99% to 101% due to rounding.

	<b>Sample Size</b>	<b>Responses</b>	<b>Response Rate</b>
<b>Coastal Households</b>	842	552	65.5%
<b>Non-Coastal Households</b>	1923	1152	59.9%

### Self-Reported Respondent Characteristics

When comparing survey participants to 2000 U.S. Census data for Oregon, respondents are fairly representative of Oregon's population in general with respect to gender and level of education, although a slightly higher percent of respondents reported to have college degrees than that of general population. The average age of respondents is also slightly higher than the average age of Oregonians (only voting age respondents were included in the survey).

#### Respondent Age (years):

	<b>Coastal Residents (n = 538)</b>	<b>Non-Coastal Residents (n = 1172)</b>
Mean age =	55.32	51.03
s.d. =	15.30	15.11

#### Respondent Gender:

	<b>Coastal Residents (n = 539)</b>	<b>Non-Coastal Residents (n = 1137)</b>
Male	54.0%	51.4%
Female	46.0%	48.6%

#### Level of Education:

	<b>Coastal Residents (n = 545)</b>	<b>Non-Coastal Residents (n = 1138)</b>
Grade School	0.2%	0.4%
Middle or junior high school	1.1%	0.8%
High school	21.5%	16.2%
Vocational school	8.1%	5.2%
Some college	33.4%	33.0%
College graduate	29.5%	33.4%
Graduate school	6.1%	10.7%
Other	0.2%	0.2%

### SECTION 1: How Much Do Oregonians Know About Coastal and Ocean Issues and Policies?

The first section of the survey asked respondents several general questions about their interest, activities, and knowledge of ocean and coastal policy issues.

**Q-1** In general, how well informed would you consider yourself to be concerning Oregon ocean and coastal policy issues, such as fisheries, beach erosion, pollution, etc.?

	<b>Coastal Residents (n = 525)</b>	<b>Non-Coastal Residents (n = 1123)</b>
Not informed	14.3%	27.5%
Somewhat informed	54.1%	58.2%
Informed	26.9%	12.7%
Very well informed	4.8%	1.5%

**Q-2** How often do you talk about issues related to Oregon's coast or the ocean with your family, friends, or other acquaintances?

	<b>Coastal Residents (n = 530)</b>	<b>Non-Coastal Residents (n = 1133)</b>
Never	5.3%	13.3%
Hardly ever	21.3%	40.0%
Sometimes	49.4%	39.5%
Often	24.0%	7.2%

**Q-3** In recent years there has been much discussion about whether Oregon's ocean fisheries—such as salmon and groundfish—are in serious decline due to current management practices. In general, which of the following views best describes your opinion in this area?

	<b>Coastal Residents (n = 526)</b>	<b>Non-Coastal Residents (n = 1120)</b>
No problems exist now for ocean fisheries; existing management practices should be maintained.	1.1%	2.0%
A few minor problems exist about ocean fisheries; minor management changes are needed.	10.8%	9.5%
Ocean fisheries are in decline; moderate changes are required in current management practices.	32.7%	32.6%
Ocean fisheries are in serious decline; significant changes are required in current management approaches.	39.2%	30.1%
Do not know	16.2%	25.9%

**Q-4a.** How often, if ever, do you visit or use Oregon's coastal areas for *recreation or leisure* time?

	Coastal Residents (n = 536)	Non-Coastal Residents (n = 1132)
Never [skip to Q-5]	0.7%	2.7%
Rarely, no more than once or twice a year.	7.1%	33.8%
Occasionally, several times a year.	35.1%	53.0%
Somewhat frequently, at least once a month on average.	28.7%	9.8%
Very frequently, at least once a week or more.	28.4%	0.7%

**b.** How often do you participate in the following *recreation or leisure* activities at the Oregon coast?

	Never	Once a year	Several times a year	Once a month or more
<b><i>Walking on the beach</i></b>				
Coastal Residents (n = 533)	5.8%	12.9%	52.5%	28.7%
Non-Coastal Residents (n = 1119)	2.9%	37.4%	55.2%	4.4%
<b><i>Boating</i></b>				
Coastal Residents (n = 501)	46.1%	25.3%	19.2%	9.4%
Non-Coastal Residents (n = 1049)	63.8%	27.1%	8.1%	1.0%
<b><i>Biking</i></b>				
Coastal Residents (n = 493)	68.2%	15.8%	12.4%	3.7%
Non-Coastal Residents (n = 1041)	72.5%	18.5%	7.5%	1.4%
<b><i>Camping</i></b>				
Coastal Residents (n = 498)	41.8%	31.7%	23.1%	3.4%
Non-Coastal Residents (n = 1063)	43.2%	36.0%	19.1%	1.7%
<b><i>Fishing or clamming</i></b>				
Coastal Residents (n = 507)	37.5%	22.5%	26.6%	13.4%
Non-Coastal Residents (n = 1057)	51.5%	30.9%	15.2%	2.4%
<b><i>Hiking</i></b>				
Coastal Residents (n = 507)	33.9%	21.9%	32.9%	11.2%
Non-Coastal Residents (n = 1054)	37.0%	34.3%	26.2%	2.6%
<b><i>Site seeing by car, truck, or other vehicle</i></b>				
Coastal Residents (n = 528)	3.0%	12.1%	50.4%	34.5%
Non-Coastal Residents (n = 1107)	5.4%	35.7%	54.0%	4.9%

	Never	Once a year	Several times a year	Once a month or more
<b>Shopping and restaurants</b>				
Coastal Residents (n = 525)	4.2%	12.0%	42.5%	41.3%
Non-Coastal Residents (n = 1092)	5.9%	36.4%	52.7%	5.0%
<b>Swimming and surfing</b>				
Coastal Residents (n = 500)	71.0%	17.0%	8.6%	3.4%
Non-Coastal Residents (n = 1043)	68.9%	21.6%	8.1%	1.4%
<b>Viewing or photographing nature and wildlife</b>				
Coastal Residents (n = 526)	12.0%	24.5%	39.9%	23.6%
Non-Coastal Residents (n = 1074)	19.2%	40.4%	36.9%	3.5%
<b>Visiting Oregon State University's Hatfield Marine Science Center in Newport</b>				
Coastal Residents (n = 521)	42.8%	48.8%	7.7%	0.8%
Non-Coastal Residents (n = 1083)	51.4%	45.0%	3.2%	0.4%
<b>Visiting the Oregon Coast Aquarium in Newport</b>				
Coastal Residents (n = 529)	29.5%	59.5%	9.5%	1.5%
Non-Coastal Residents (n = 1098)	29.9%	65.4%	4.6%	0.2%
<b>Whale watching</b>				
Coastal Residents (n = 530)	29.1%	42.1%	21.9%	7.0%
Non-Coastal Residents (n = 1079)	38.5%	52.5%	8.9%	0.1%

**Q-5** Overall, how much impact do you think people like you can have in making Oregon's coasts a good place to live and visit?

	Coastal Residents (n = 535)	Non-Coastal Residents (n = 1120)
No impact at all	7.9%	12.0%
A small impact	30.8%	41.6%
A moderate impact	34.2%	33.9%
A big impact	27.1%	12.5%

**Q-6** Many organizations and agencies have influence over Oregon coastal and ocean policy. We would like to know your levels of familiarity and trust in the organizations and agencies listed below.

**a. Level of familiarity with organizations and agencies:**

	<b>Not familiar</b>	<b>Somewhat familiar</b>	<b>Moderately familiar</b>	<b>Very familiar</b>
<b><i>National Marine Fisheries Service</i></b>				
Coastal Residents (n = 535)	33.1%	41.3%	19.1%	6.5%
Non-Coastal Residents (n = 1116)	47.2%	36.4%	12.3%	4.1%
<b><i>U.S. Fish and Wildlife Service</i></b>				
Coastal Residents (n = 532)	9.8%	37.8%	34.6%	17.9%
Non-Coastal Residents (n = 1124)	13.8%	41.3%	32.9%	12.0%
<b><i>U.S. Environmental Protection Agency</i></b>				
Coastal Residents (n = 526)	12.7%	33.7%	39.0%	14.6%
Non-Coastal Residents (n = 1117)	15.4%	36.5%	35.5%	12.5%
<b><i>U.S. Coast Guard</i></b>				
Coastal Residents (n = 537)	5.8%	18.6%	37.2%	38.4%
Non-Coastal Residents (n = 1123)	10.6%	25.0%	41.0%	23.4%
<b><i>National Oceanic and Atmospheric Administration</i></b>				
Coastal Residents (n = 531)	41.8%	34.1%	14.7%	9.4%
Non-Coastal Residents (n = 1119)	50.3%	29.3%	15.7%	4.6%
<b><i>Oregon Department of Fish and Wildlife</i></b>				
Coastal Residents (n = 535)	8.4%	26.9%	37.9%	26.7%
Non-Coastal Residents (n = 1124)	10.9%	34.3%	35.9%	18.9%
<b><i>Oregon Ocean Policy Advisory Council</i></b>				
Coastal Residents (n = 525)	67.2%	24.6%	6.1%	2.1%
Non-Coastal Residents (n = 1115)	80.1%	14.1%	4.0%	1.8%
<b><i>Oregon Department of Land Conservation and Development</i></b>				
Coastal Residents (n = 499)	36.3%	36.3%	17.0%	10.4%
Non-Coastal Residents (n = 1069)	43.9%	33.2%	17.1%	5.8%
<b><i>County government</i></b>				
Coastal Residents (n = 535)	10.8%	26.5%	34.0%	28.6%
Non-Coastal Residents (n = 1120)	22.1%	31.0%	32.1%	14.7%

	<b>Not familiar</b>	<b>Somewhat familiar</b>	<b>Moderately familiar</b>	<b>Very familiar</b>
<b><i>Pacific States Marine Fisheries Commission</i></b>				
Coastal Residents (n = 524)	60.5%	26.0%	10.5%	3.1%
Non-Coastal Residents (n = 1117)	73.0%	19.4%	5.2%	2.4%
<b><i>U.S. Congress</i></b>				
Coastal Residents (n = 532)	9.6%	17.9%	37.0%	35.5%
Non-Coastal Residents (n = 1122)	10.1%	21.6%	38.4%	29.9%
<b><i>Oregon government elected officials</i></b>				
Coastal Residents (n = 531)	8.5%	25.0%	40.3%	26.2%
Non-Coastal Residents (n = 1121)	10.7%	26.0%	40.7%	22.7%
<b><i>University research scientists</i></b>				
Coastal Residents (n = 528)	42.0%	32.6%	19.1%	6.3%
Non-Coastal Residents (n = 1123)	45.0%	30.2%	18.0%	6.9%

- b. **Trust in organizations and agencies** (only those respondents who were "moderately" to "very familiar" with each organization are included in the following results):

	<b>No trust at all</b>	<b>Limited trust</b>	<b>Moderate trust</b>	<b>Great deal of trust</b>
<b><i>National Marine Fisheries Service</i></b>				
Coastal Residents (n = 134)	14.9%	38.1%	39.6%	7.5%
Non-Coastal Residents (n = 177)	9.0%	33.3%	49.2%	8.5%
<b><i>U.S. Fish and Wildlife Service</i></b>				
Coastal Residents (n = 270)	11.9%	30.4%	43.3%	14.4%
Non-Coastal Residents (n = 488)	6.8%	24.0%	52.5%	16.8%
<b><i>U.S. Environmental Protection Agency</i></b>				
Coastal Residents (n = 274)	27.4%	33.6%	31.0%	8.0%
Non-Coastal Residents (n = 525)	16.8%	39.0%	33.1%	11.0%
<b><i>U.S. Coast Guard</i></b>				
Coastal Residents (n = 395)	0.7%	4.3%	19.0%	76.5%
Non-Coastal Residents (n = 698)	0.9%	4.6%	27.9%	66.6%
<b><i>National Oceanic and Atmospheric Administration</i></b>				
Coastal Residents (n = 315)	10.2%	33.3%	40.3%	16.2%
Non-Coastal Residents (n = 441)	10.9%	34.9%	38.1%	16.1%
<b><i>Oregon Department of Fish and Wildlife</i></b>				
Coastal Residents (n = 335)	9.9%	28.4%	45.4%	16.4%
Non-Coastal Residents (n = 597)	6.0%	23.4%	51.3%	19.2%

	<b>No trust at all</b>	<b>Limited trust</b>	<b>Moderate trust</b>	<b>Great deal of trust</b>
<b><i>Oregon Ocean Policy Advisory Council</i></b>				
Coastal Residents (n = 41)	43.9%	29.3%	22.0%	4.9%
Non-Coastal Residents (n = 59)	10.2%	30.5%	50.8%	8.5%
<b><i>Oregon Department of Land Conservation and Development</i></b>				
Coastal Residents (n = 146)	39.0%	34.2%	23.3%	3.4%
Non-Coastal Residents (n = 247)	25.5%	26.3%	37.7%	10.5%
<b><i>County government</i></b>				
Coastal Residents (n = 120)	22.5%	38.3%	35.0%	4.2%
Non-Coastal Residents (n = 196)	23.5%	46.4%	29.1%	1.0%
<b><i>Pacific States Marine Fisheries Commission</i></b>				
Coastal Residents (n = 70)	24.3%	35.7%	34.3%	5.7%
Non-Coastal Residents (n = 79)	12.7%	39.2%	40.5%	7.6%
<b><i>U.S. Congress</i></b>				
Coastal Residents (n = 373)	29.0%	47.5%	20.4%	3.2%
Non-Coastal Residents (n = 748)	25.7%	52.5%	19.4%	2.4%
<b><i>Oregon government elected officials</i></b>				
Coastal Residents (n = 343)	21.3%	47.5%	28.3%	2.9%
Non-Coastal Residents (n = 687)	19.9%	47.7%	29.3%	3.1%
<b><i>University research scientists</i></b>				
Coastal Residents (n = 132)	6.1%	14.4%	56.1%	23.5%
Non-Coastal Residents (n = 272)	1.8%	11.8%	47.8%	38.6%

**Q-7** We would like to know which of the following information sources you use to learn more about Oregon's coastal areas and fisheries. We are also interested in your level of trust in these sources.

**a. Use of information sources:**

	<b>Never</b>	<b>Infrequently</b>	<b>Frequently</b>	<b>Very frequently</b>
<b><i>Commercial television news programs and specials</i></b>				
Coastal Residents (n = 537)	6.3%	25.1%	36.5%	32.0%
Non-Coastal Residents (n = 1131)	8.0%	25.6%	41.0%	25.4%
<b><i>Oregon Public Broadcasting</i></b>				
Coastal Residents (n = 538)	9.3%	27.1%	37.0%	26.6%
Non-Coastal Residents (n = 1127)	8.3%	26.9%	35.1%	29.6%

	Never	Infrequently	Frequently	Very frequently
<b>Commercial radio programs</b>				
Coastal Residents (n = 524)	17.2%	41.2%	30.0%	11.6%
Non-Coastal Residents (n = 1112)	26.1%	39.9%	22.4%	11.6%
<b>The Oregonian newspaper</b>				
Coastal Residents (n = 527)	31.5%	27.5%	20.3%	20.7%
Non-Coastal Residents (n = 1120)	25.1%	26.9%	23.4%	24.6%
<b>Other local newspapers</b>				
Coastal Residents (n = 534)	6.9%	17.4%	35.0%	40.6%
Non-Coastal Residents (n = 1113)	19.3%	27.8%	29.8%	23.1%
<b>Watershed council</b>				
Coastal Residents (n = 524)	63.4%	24.4%	6.7%	5.5%
Non-Coastal Residents (n = 1111)	81.0%	14.9%	2.8%	1.4%
<b>Information available on the Internet</b>				
Coastal Residents (n = 527)	43.3%	30.2%	19.7%	6.8%
Non-Coastal Residents (n = 1112)	45.1%	27.7%	17.2%	10.1%
<b>Information from environmental groups</b>				
Coastal Residents (n = 530)	33.2%	39.2%	21.1%	6.4%
Non-Coastal Residents (n = 1115)	38.0%	39.4%	17.8%	4.8%
<b>Information from recreation groups</b>				
Coastal Residents (n = 528)	30.3%	46.8%	18.6%	4.4%
Non-Coastal Residents (n = 1118)	38.6%	42.8%	15.6%	3.0%
<b>Information from fishing groups</b>				
Coastal Residents (n = 530)	29.4%	38.3%	22.8%	9.4%
Non-Coastal Residents (n = 1117)	49.4%	33.8%	13.1%	3.8%
<b>Information from elected officials</b>				
Coastal Residents (n = 530)	22.3%	44.0%	25.5%	8.3%
Non-Coastal Residents (n = 1114)	33.5%	43.3%	18.6%	4.7%
<b>Oregon Sea Grant</b>				
Coastal Residents (n = 521)	76.8%	16.3%	5.2%	1.7%
Non-Coastal Residents (n = 1105)	86.4%	11.0%	1.8%	0.7%
<b>Information from OSU extension or other university programs</b>				
Coastal Residents (n = 532)	35.2%	37.6%	20.1%	7.1%
Non-Coastal Residents (n = 1115)	51.1%	35.2%	10.9%	2.8%
<b>OSU Hatfield Marine Science Center</b>				
Coastal Residents (n = 524)	47.5%	35.5%	13.4%	3.6%
Non-Coastal Residents (n = 1117)	57.9%	31.4%	8.8%	1.9%

b. **Trust in information sources** (only those respondents who "frequently" to "very frequently" used sources are included in the following results):

	<b>No trust at all</b>	<b>Limited trust</b>	<b>Moderate trust</b>	<b>Great deal of trust</b>
<b><i>Commercial television news programs and specials</i></b>				
Coastal Residents (n = 356)	4.8%	41.0%	47.5%	6.7%
Non-Coastal Residents (n = 728)	3.3%	41.3%	48.4%	7.0%
<b><i>Oregon Public Broadcasting</i></b>				
Coastal Residents (n = 336)	3.0%	14.3%	45.8%	36.9%
Non-Coastal Residents (n = 713)	1.4%	9.8%	44.2%	44.6%
<b><i>Commercial radio programs</i></b>				
Coastal Residents (n = 212)	7.1%	34.9%	48.6%	9.4%
Non-Coastal Residents (n = 367)	6.5%	42.8%	43.3%	7.4%
<b><i>The Oregonian newspaper</i></b>				
Coastal Residents (n = 207)	6.3%	36.7%	47.8%	9.2%
Non-Coastal Residents (n = 517)	6.8%	38.7%	46.4%	8.1%
<b><i>Other local newspapers</i></b>				
Coastal Residents (n = 386)	4.9%	36.5%	52.1%	6.5%
Non-Coastal Residents (n = 563)	3.7%	38.9%	50.3%	7.1%
<b><i>Watershed council</i></b>				
Coastal Residents (n = 63)	19.0%	19.0%	42.9%	19.0%
Non-Coastal Residents (n = 45)	8.9%	37.8%	40.0%	13.3%
<b><i>Information available on the Internet</i></b>				
Coastal Residents (n = 136)	2.9%	33.1%	55.9%	8.1%
Non-Coastal Residents (n = 287)	4.2%	41.1%	46.3%	8.4%
<b><i>Information from environmental groups</i></b>				
Coastal Residents (n = 145)	24.1%	20.0%	40.7%	15.2%
Non-Coastal Residents (n = 251)	15.5%	23.5%	41.8%	19.1%
<b><i>Information from recreation groups</i></b>				
Coastal Residents (n = 120)	6.7%	34.2%	52.5%	6.7%
Non-Coastal Residents (n = 205)	7.3%	31.7%	52.7%	8.3%
<b><i>Information from fishing groups</i></b>				
Coastal Residents (n = 166)	3.0%	17.5%	65.1%	14.5%
Non-Coastal Residents (n = 187)	4.8%	23.0%	54.0%	18.2%
<b><i>Information from elected officials</i></b>				
Coastal Residents (n = 176)	19.3%	50.0%	28.4%	2.3%
Non-Coastal Residents (n = 251)	19.5%	51.0%	28.3%	1.2%
<b><i>Oregon Sea Grant</i></b>				
Coastal Residents (n = 36)	2.8%	30.6%	50.0%	16.7%
Non-Coastal Residents (n = 26)	3.8%	26.9%	50.0%	19.2%

	<b>No trust at all</b>	<b>Limited trust</b>	<b>Moderate trust</b>	<b>Great deal of trust</b>
<b>Information from OSU extension or other university programs</b>				
Coastal Residents (n = 144)	4.2%	5.6%	46.5%	43.8%
Non-Coastal Residents (n = 148)	0.7%	5.4%	52.0%	41.9%
<b>OSU Hatfield Marine Science Center</b>				
Coastal Residents (n = 88)	2.3%	8.0%	56.8%	33.0%
Non-Coastal Residents (n = 113)	1.8%	8.0%	54.9%	35.4%

**Q-8** For the following terms, please indicate if you know what the term means, have heard of the term but don't know its meaning, or have not heard of the term at all.

	<b>Have not heard of the term at all</b>	<b>Have heard of the term but don't know its meaning</b>	<b>Know what the term means</b>
<b>Ecosystem</b>			
Coastal Residents (n = 535)	5.0%	7.5%	87.5%
Non-Coastal Residents (n = 1127)	5.6%	7.4%	87.0%
<b>Biodiversity</b>			
Coastal Residents (n = 529)	14.7%	22.7%	62.6%
Non-Coastal Residents (n = 1119)	16.4%	21.0%	62.6%
<b>Non-indigenous Species</b>			
Coastal Residents (n = 528)	9.5%	16.5%	74.1%
Non-Coastal Residents (n = 1117)	9.8%	15.8%	74.5%
<b>Nonpoint Source Pollution</b>			
Coastal Residents (n = 521)	41.1%	27.3%	31.7%
Non-Coastal Residents (n = 1114)	47.3%	23.2%	29.5%
<b>Anadromous</b>			
Coastal Residents (n = 516)	40.1%	22.9%	37.0%
Non-Coastal Residents (n = 1109)	54.2%	24.2%	21.6%
<b>Exclusive Economic Zone</b>			
Coastal Residents (n = 528)	36.0%	35.4%	28.6%
Non-Coastal Residents (n = 1109)	47.1%	30.4%	22.5%
<b>Gill Net</b>			
Coastal Residents (n = 537)	5.2%	7.6%	87.2%
Non-Coastal Residents (n = 1125)	10.9%	14.5%	74.6%
<b>Rockfish</b>			
Coastal Residents (n = 533)	2.8%	8.3%	88.9%
Non-Coastal Residents (n = 1126)	6.0%	17.2%	76.7%

	Have not heard of the term at all	Have heard of the term but don't know its meaning	Know what the term means
<b>Mixed-stock fisheries</b>			
Coastal Residents (n = 529)	11.3%	24.8%	63.9%
Non-Coastal Residents (n = 1112)	18.3%	29.1%	52.6%
<b>Oregon Beach Bill</b>			
Coastal Residents (n = 528)	33.0%	38.1%	29.0%
Non-Coastal Residents (n = 1113)	40.7%	36.4%	22.9%
<b>Magnuson-Stevens Fish Conservation Act</b>			
Coastal Residents (n = 530)	63.2%	27.5%	9.2%
Non-Coastal Residents (n = 1115)	71.5%	24.0%	4.5%
<b>Coastal Zone Management Act</b>			
Coastal Residents (n = 529)	40.5%	40.5%	19.1%
Non-Coastal Residents (n = 1117)	56.2%	35.0%	8.8%

**Q-9 Ocean Quiz** (percent correct answers; non-responses coded as incorrect):

	Coastal Residents	Non-Coastal Residents
<b>a. Ocean fisheries are affected by:</b>	80.8%	75.9%
1. Climate change.	(n = 552)	(n = 1156)
2. Red tides.		
3. Over-fishing.		
4. All of the above.		
<b>b. Most sea life:</b>	37.0%	37.5%
1. Lives in the top 500 feet of the ocean.	(n = 552)	(n = 1156)
2. Lives on the sea floor.		
3. Lives in the great ocean basins.		
4. Is evenly dispersed throughout the ocean depths.		
<b>c. By-catch refers to:</b>	36.1%	26.6%
1. Regular fish caught by nets.	(n = 552)	(n = 1156)
2. Over-fishing.		
3. Fish that are harvested, but not sold or kept for personal use.		
4. A climate phenomenon.		
<b>d. The phenomenon known as El Niño:</b>	58.7%	49.7%
1. Commonly occurs around Christmas time every 4 to 7 years.	(n = 552)	(n = 1156)
2. Is indicated by a warming of the waters off the coast of Peru.		
3. Is indicated by a slowing down or reversal of the trade winds.		
4. All of the above.		

	<b>Coastal Residents</b>	<b>Non-Coastal Residents</b>
e. The movement of cold, nutrient-rich water to the surface of the ocean is referred to as:	58.7%	49.7%
	(n = 552)	(n = 1156)
1. Upwelling.		
2. Southern oscillation.		
3. Trade winds.		
4. Reversal tide.		

**Index of Total Number Correct for Ocean Quiz [0 = none correct; 5 = all correct]**

	<b>Coastal Residents (n = 552)</b>	<b>Non-Coastal Residents (n = 1156)</b>
<b>0 correct</b>	9.4%	14.5%
<b>1 correct</b>	17.2%	18.5%
<b>2 correct</b>	22.5%	22.3%
<b>3 correct</b>	23.4%	21.8%
<b>4 correct</b>	17.6%	15.0%
<b>5 correct</b>	10.0%	7.9%

**Perceived level of risk posed by human activities to the distribution and abundance of wild salmon, as well as level of support for relevant restoration actions.**

**Q-10 Hydroelectric Dams:**

*What level of risk do hydroelectric dams pose to the distribution and abundance of wild salmon?*

	<b>None or very low</b>	<b>Low</b>	<b>Moderate</b>	<b>High</b>	<b>Very high</b>
Coastal Residents (n = 508)	2.4%	15.6%	31.3%	32.1%	18.7%
Non-Coastal Residents (n = 1039)	4.2%	13.4%	32.4%	32.0%	18.0%

*What is your level of support for the removal of dams in order to restore wild salmon populations in Oregon?*

	<b>None or very low</b>	<b>Low</b>	<b>Moderate</b>	<b>High</b>	<b>Very high</b>
Coastal Residents (n = 508)	38.2%	21.5%	26.2%	6.3%	7.9%
Non-Coastal Residents (n = 1046)	37.5%	26.6%	20.2%	9.3%	6.5%

**Q-11 Agricultural and Forestry Practices:**

*What level of risk do agricultural and forestry practices that involve the use of pesticides, fertilizers, and habitat alteration pose to the distribution and abundance of wild salmon runs?*

	<b>None or very low</b>	<b>Low</b>	<b>Moderate</b>	<b>High</b>	<b>Very high</b>
Coastal Residents (n = 509)	4.7%	14.1%	26.3%	30.6%	24.2%
Non-Coastal Residents (n = 1065)	4.1%	12.2%	27.0%	33.5%	23.1%

*What is your level of support for policies that would limit such agricultural and forestry practices?*

	<b>None or very low</b>	<b>Low</b>	<b>Moderate</b>	<b>High</b>	<b>Very high</b>
Coastal Residents (n = 514)	14.8%	15.8%	29.6%	23.5%	16.3%
Non-Coastal Residents (n = 1070)	12.1%	15.9%	27.8%	26.3%	18.0%

**Q-12 Hatcheries:**

*What level of risk do hatcheries pose to the distribution and abundance of wild salmon runs?*

	<b>None or very low</b>	<b>Low</b>	<b>Moderate</b>	<b>High</b>	<b>Very high</b>
Coastal Residents (n = 489)	25.8%	34.2%	28.8%	6.5%	4.7%
Non-Coastal Residents (n = 993)	17.7%	37.1%	31.2%	10.6%	3.4%

*What is your level of support for elimination of hatcheries?*

	<b>None or very low</b>	<b>Low</b>	<b>Moderate</b>	<b>High</b>	<b>Very high</b>
Coastal Residents (n = 468)	57.0%	26.3%	12.2%	1.8%	2.6%
Non-Coastal Residents (n = 976)	47.1%	33.7%	12.9%	4.6%	1.8%

**Q-13 Urban Development:**

*What level of risk does urban development pose to the distribution and abundance of wild salmon runs?*

	<b>None or very low</b>	<b>Low</b>	<b>Moderate</b>	<b>High</b>	<b>Very high</b>
Coastal Residents (n = 512)	4.9%	17.4%	34.4%	30.7%	12.7%
Non-Coastal Residents (n = 1069)	5.0%	14.8%	38.6%	29.9%	11.7%

*What is your level of support for urban stream protection measures?*

	<b>None or very low</b>	<b>Low</b>	<b>Moderate</b>	<b>High</b>	<b>Very high</b>
Coastal Residents (n = 521)	6.1%	12.7%	32.2%	28.6%	20.3%
Non-Coastal Residents (n = 1081)	8.3%	11.1%	29.9%	30.1%	20.6%

**SECTION 2: What are Oregonians' Attitudes and Values Regarding the Environment and Politics**

**Q-14** Please indicate your level of agreement or disagreement for each of the following statements.

	<b>Strongly Disagree</b>	<b>Disagree</b>	<b>Uncertain</b>	<b>Agree</b>	<b>Strongly Agree</b>
<b>a. The balance of nature is very delicate and easily upset by human activities</b>					
Coastal Residents (n = 541)	3.5%	13.9%	9.1%	42.1%	31.4%
Non-Coastal Residents (n = 1125)	2.2%	11.4%	10.7%	45.2%	30.5%
<b>b. There are no limits to growth for nations like the United States</b>					
Coastal Residents (n = 531)	26.6%	41.1%	14.1%	13.2%	5.1%
Non-Coastal Residents (n = 1117)	28.3%	38.3%	16.1%	11.2%	6.1%
<b>c. Plants and animals do not exist primarily for human use</b>					
Coastal Residents (n = 542)	11.3%	21.0%	8.9%	33.0%	25.8%
Non-Coastal Residents (n = 1116)	8.7%	16.8%	7.4%	37.1%	30.0%

	<b>Strongly Disagree</b>	<b>Disagree</b>	<b>Uncertain</b>	<b>Agree</b>	<b>Strongly Agree</b>
<b>d. Modifying the environment for human use seldom causes serious problems</b>					
Coastal Residents (n = 538)	30.7%	42.6%	12.1%	11.2%	3.5%
Non-Coastal Residents (n = 1121)	31.9%	44.9%	13.0%	7.8%	2.4%
<b>e. The earth is like a spaceship with only limited room and resources</b>					
Coastal Residents (n = 534)	6.2%	10.3%	7.7%	42.9%	33.0%
Non-Coastal Residents (n = 1125)	3.9%	10.6%	8.8%	42.4%	34.3%
<b>f. Humankind was created to rule over the rest of nature</b>					
Coastal Residents (n = 537)	29.8%	28.7%	12.5%	16.9%	12.1%
Non-Coastal Residents (n = 1121)	36.6%	26.4%	11.0%	16.2%	9.8%

**Q-15** On policy issues, would you consider yourself to be?

	<b>Very Liberal</b>	<b>Liberal</b>	<b>Moderate</b>	<b>Conservative</b>	<b>Very Conservative</b>
Coastal Residents (n = 532)	3.2%	17.5%	46.2%	27.8%	5.3%
Non-Coastal Residents (n = 1102)	3.5%	20.3%	44.8%	26.5%	4.8%