

# Oregon Salmon and Steelhead Recovery

Your opinions are needed to inform policy decisions that affect salmon and steelhead fish population management in Oregon. Please return your completed survey in the provided postage-paid envelope.

Thank you for your help.

A photograph of a river with rapids and two salmon swimming in the water. The water is turbulent and white with foam. The surrounding rocks are dark and jagged. A large log is partially submerged in the water on the left side. The text "What do YOU think should be done?" is overlaid on the image in white, bold, sans-serif font.

What do YOU think  
should be done?

## WHAT THIS SURVEY IS ABOUT

*This survey asks for your opinion on Willamette River watershed salmon & steelhead fisheries management. Your household was chosen at random from a list of Oregon addresses to receive this survey. Your responses will help authorities choose the best option. Some of the background information is based on Oregon Department of Fish and Wildlife and National Oceanic and Atmospheric Administration sources, but this survey was written and sponsored by the Environmental Protection Agency.*

### **Fish Species**

- There are several species of salmon and steelhead trout in Oregon. These fish live most of their lives in the ocean, but return to Oregon rivers and streams to spawn. There are two kinds of fish: wild-origin fish, reproducing on their own; and hatchery-origin fish, bred in fish hatcheries and released into rivers and streams to provide fishing opportunities.

### **Location**

- This survey is about the salmon and steelhead in the Willamette River watershed only, shown in the map on the next page. The Willamette River is the main river passing through the most populated parts of Oregon, such as Eugene, Salem, and Portland. Fish have to swim up the Columbia River and through Portland to get to any part of the upper Willamette watershed. Major tributary rivers included in the Willamette watershed recovery plan are the Clackamas, Molalla, North Santiam, South Santiam, Calapooia, McKenzie, and Middle Fork Willamette Rivers.

### **Current Population Numbers**

- Currently, the total number of wild-origin and hatchery-origin salmon and steelhead returning to the Willamette River watershed to spawn is about 80,000 per year. For comparison, this is about 5% of the 1.6 million salmon and steelhead returning to the rest of the Columbia River watershed.

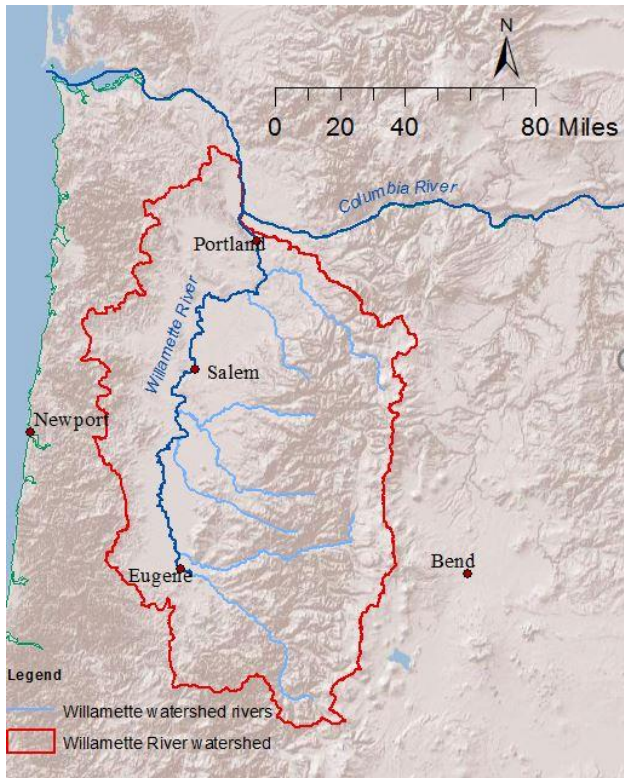
## BACKGROUND INFORMATION

In the Willamette River watershed, about 75% of the returning salmon and steelhead are hatchery-origin fish and about 25% are wild-origin fish.

Scientists believe that, historically, over 1 million wild-origin salmon and steelhead returned to the Willamette watershed. Current wild-origin salmon and steelhead returns to the Willamette are about 20,000 fish per year. This is less than 5% of estimated historical wild returns. The combined effects of fish harvest, hatchery fish interactions, dams and flood control, and habitat alterations have led to these declines.

Declining abundance and reductions in habitat provided the scientific evidence for Willamette River Spring Chinook and Winter Steelhead to be listed as "Threatened" under the federal Endangered Species Act. These listings occurred in 1999.

## Willamette Basin of Oregon



Willamette watershed boundary

## Wild Fish Background

- Wild salmon and steelhead in the Willamette River watershed were listed as “Threatened” under the Endangered Species Act in 1999. These fish are called Spring Chinook and Winter Steelhead.
- “Threatened” means the populations are not self-sustaining. Chinook have a 60% to 100% chance of going extinct in the next 100 yrs.
- These wild salmon and steelhead cannot be harvested by recreational or commercial anglers in the Willamette watershed.
- There are other Threatened or Endangered fish in Oregon. Another well-known example is coastal Coho Salmon.
- There are other Willamette watershed fisheries, such as sturgeon, a wild and native fish. There are also non-native fish species that are self-sustaining in Oregon, such as large and smallmouth bass.
- There are other wild salmon and steelhead fisheries in Oregon, including Central Oregon, Eastern Oregon, and the Coast Range.
- There are other wild salmon and steelhead fisheries in Washington, Idaho, and California.

**Chinook Salmon (King, Blackmouth)**



**Steelhead**



- Chinook Salmon (King, Blackmouth, Tyee) average size is 10 - 15 lbs, and up to 135 lbs.
- Steelhead (steelhead trout, sea-run rainbow trout) average 8 - 11 lbs, and up to 40 lbs

## Hatchery Fish Background

- As noted on page 3, fish hatcheries produce the majority of the salmon and steelhead that return to the Willamette River watershed. There are 33 fish hatcheries in Oregon, and 7 fish hatcheries in the Willamette River watershed. The primary reason for Oregon fish hatcheries is to replace losses in wild-origin fish.
- Hatchery fish can be harvested. They are marked with a clipped fin so they can be distinguished from wild fish. Wild-origin salmon and steelhead, however, cannot be harvested in the Willamette watershed. Anglers who are mainly interested in harvest therefore prefer salmon and steelhead from hatcheries.
- Almost none of the salmon sold in Oregon stores and restaurants comes from the Willamette watershed since it is such a small percentage of the West Coast salmon fishery.
- Hatcheries are not the same thing as privately or corporation-owned 'fish farms'. Hatcheries release fish into the wild, but farmed fish are bred and harvested in captivity.
- Hatchery fish can crowd wild fish out of their habitat, so fish managers reduce impacts on wild fish by releasing hatchery fish at times of the year and locations that minimize interactions with wild fish.



*Hatchery spring Chinook salmon at Willamette hatchery in Oakridge, Oregon*

## THIS SURVEY WILL ASK YOU TO MAKE CHOICES ABOUT WILLAMETTE WILD SALMON & STEELHEAD RECOVERY

- Recovery would mean the wild populations would be self-sustaining. There would no longer be a significant risk of extinction in the next 100 years for wild Willamette watershed salmon and steelhead.
- There is currently no legal harvest of wild-origin salmon and steelhead in the Willamette watershed, so these wild fish tend to be important to people who like the idea of fish populations being self-sustaining.
- Hatchery fish are important to recreational anglers who want the opportunity to keep fish they have caught. The voting questions do not consider any changes to hatcheries.

**1. Before reading this survey were you aware that the salmon and steelhead in the Willamette watershed were considered “Threatened” under the Endangered Species Act?**

Yes       No

**2. Before reading this survey were you aware that the state of Oregon has hatcheries for salmon and steelhead?**

Yes       No

**3. Before reading this survey were you aware that most of the salmon and steelhead in the Willamette watershed are hatchery-origin fish?**

Yes       No

**4. Do you regularly purchase an Oregon state fishing license?**

Yes       No

**5. Does anybody else in your household regularly purchase an Oregon state fishing license?**

Yes       No

## Paying for Programs to Recover Wild Salmon and Steelhead

Recovering spring Chinook and steelhead populations – and maintaining this recovery into the future – requires a range of management strategies. Recovery programs being considered would improve ecological conditions for salmon and steelhead.

People can aid salmon and steelhead recovery with good stewardship of land, using water wisely, and implementing restoration projects to improve habitat conditions. All of these cost money. The funding would come from a new permanent tax. This tax would be a shared responsibility paid by all Oregonians. Money collected from the tax would be used to implement programs that address the primary threats to fish recovery. Recovery programs would be a collaborative effort between local, state, and federal organizations.

### **What additional recovery programs would do:**

Improve conditions of the Willamette Basin for salmon and steelhead recovery. The specific types of improvements will depend on the design of the program. Example activities include:

- Retrofit dams to allow fish to swim past them, using devices such as fish ladders.
- Collect returning fish in holding ponds below dams and truck them above the dam.
- Restoring floodplains and reconnecting side channels and wetlands.
- Increasing stream flow by changing the schedule of water releases from dams.
- Improving water quality by reducing pollution from urban and agricultural areas.
- Removing or replacing culverts and other structures that block fish passage.

### **What additional recovery programs would not do:**

- Affect salmon and steelhead populations outside the Willamette Basin.
- Have a noticeable effect on the quality or price of seafood you buy.

# Willamette Wild Salmon and Steelhead Recovery Options

## **No Intervention**

- Willamette Spring Chinook and Winter Steelhead are both currently listed as “Threatened” species. The risk of Spring Chinook going extinct in the next 100 years would remain between 60% and 100%.
- Estimated returns currently total about 20,000 fish per year.
- Catch-and-release fishing in the appropriate season, but wild fish may not be kept.

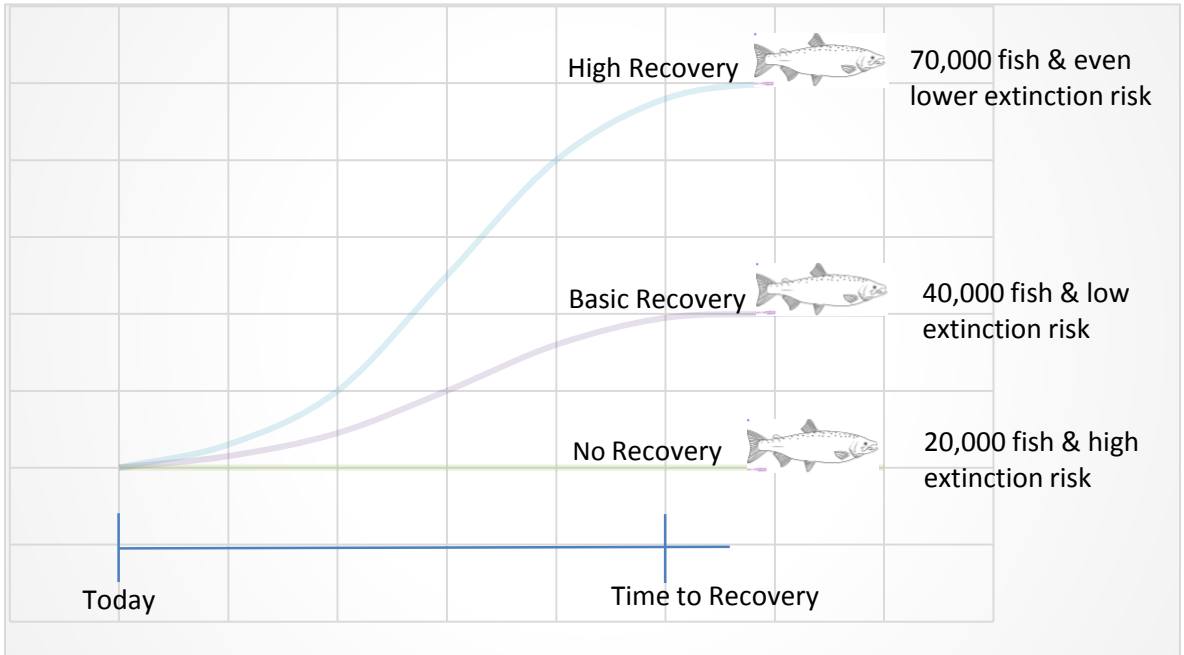
## **Basic Recovery**

- This option would use tools listed on page 7 to create the conditions for more wild fish to reproduce on their own. Willamette Spring Chinook and Winter Steelhead would no longer be a “Threatened” species and there would not be a significant risk of them going extinct in the next 100 years.
- Estimated returns would be about 40,000 fish per year.
- Catch-and-release fishing in the appropriate season, but wild fish may not be kept.

## **High Recovery**

- This option would more intensively use the tools listed on page 7 to create the conditions for more wild fish to reproduce on their own. Willamette Spring Chinook and Winter Steelhead would no longer be a “Threatened” species and there would not be a significant risk of them going extinct in the next 100 years.
- Estimated returns would be about 70,000 fish per year.
- Catch-and-release fishing in the appropriate season, but wild fish may not be kept.





## Time to Recovery Options

**Wild fish populations *can recover sooner* if the management tools listed on page 7 are used more intensively. However, more intensive use of these tools is also more expensive.**

- If you select “No Intervention” – there is no “time to recovery”.
- If you select an intervention, different proposed interventions have different times to recovery:
  - 15 years
  - 25 years
  - 50 years

The next question helps us understand your priorities for public issues. As a society, we cannot afford to fix all policy problems, so we have to decide upon priorities.

**6. What are your personal relative priorities? (Click one box per row.)**

	<b>Very High Priority</b>	<b>High priority</b>	<b>Low priority</b>	<b>Not a priority at all</b>	<b>Not sure</b>
National security	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reducing poverty and hunger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Improving education	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Improving food safety	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Protecting endangered species	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reducing unemployment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reducing violent crime	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Improving drinking water safety	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Improving health care	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Improving air quality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Preventing climate change	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<b>Very High Priority</b>	<b>High priority</b>	<b>Low priority</b>	<b>Not a priority at all</b>	<b>Not sure</b>

# What do you think should be done about salmon and steelhead management?

In a moment, you will be asked about which alternatives you think are the best. Public officials will take the results of this survey into account when they choose among wild salmon and steelhead management options.

## **Important instructions**

- In the questions that follow, we ask your opinion about different options for managing wild salmon and steelhead in the Willamette watershed.
- You will be asked three voting questions. In each question, you will vote for the option you like best from the three alternatives.
- Choosing the No Intervention option keeps the current conditions but does not add new restoration activities.
- Option A and Option B are different in each question, with different outcomes and costs to your household.

An example question is shown on the next page.

Experience from other studies has shown that people tend to respond differently in a survey than they would in real life, since they don't actually have to follow through with their choices. **When voting we urge you to answer the questions as if you were really faced with these decisions and the costs to your household would really go up if the management options were implemented.**

# An Example Question

In each question, you will be asked to vote on three options. (Mark one box at the bottom of each question to indicate which option you prefer.)

Recovery outcomes for each option are listed here

Annual cost to your household for each option listed here

Recovery Outcome	No Intervention	Option A	Option B
<b>Wild Salmon &amp; Steelhead Status</b>	Threatened (20,000 wild fish returning per year)	Basic Recovery (40,000 wild fish returning per year)	High Recovery (70,000 wild fish returning per year)
<b>Time to Recovery Salmon &amp; Steelhead</b>	No Recovery	15 years (time until wild fish reach recovery goal)	50 years (time until wild fish reach recovery goal)
<b>\$ Annual Cost to Your Household (Permanent increase to your household starting next year)</b>	\$0 every year	\$120 every year (equivalent to \$10 per month)	\$75 every year (equivalent to \$6.25 per month)
<b>Your vote</b> Please mark <u>one</u> of the boxes to the right	No Intervention <input checked="" type="checkbox"/>	Option A <input checked="" type="checkbox"/>	Option B <input checked="" type="checkbox"/>

To vote for No Intervention mark this box

To vote for Option A mark this box

To vote for Option B mark this box

## When you vote on the next three questions, please remember:

- Consider each question separately. Imagine that the options in that question are the only options available to choose from.
- Recovery options will not change restrictions on harvesting the restored wild salmon and steelhead populations.
- The recovery outcomes in each question are based on the best scientific predictions available.

7. Please vote for one of the three options below. (Mark one box at the bottom to indicate which option you prefer).

Recovery Outcome	No Intervention	Option A	Option B
<b>Wild Salmon &amp; Steelhead Status</b>	Threatened (20,000 wild fish returning per year)	Basic Recovery (40,000 wild fish returning per year)	High Recovery (70,000 wild fish returning per year)
<b>Time to Recovery Salmon &amp; Steelhead</b>	No Recovery	50 years (time until wild fish reach recovery goal)	50 years (time until wild fish reach recovery goal)
<b>\$ Annual Cost To Your Household</b> (Permanent increase to your household starting next year)	<b>\$0 every year</b>	<b>\$40 every year</b> (equivalent to \$3.33 per month)	<b>\$75 every year</b> (equivalent to \$6.25 per month)
<b>Your Vote</b> Please mark <u>one</u> of the boxes to the right	No Intervention <input type="checkbox"/>	Option A <input type="checkbox"/>	Option B <input type="checkbox"/>

8. How certain are that you would actually make this choice on a scale of 0 to 10, where 0 is "Very uncertain" and 10 is "Very certain"? Please circle one answer on this scale.

0	1	2	3	4	5	6	7	8	9	10
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Very uncertain

Very certain

9. Please vote for one of the three options below. (Mark one box at the bottom to indicate which option you prefer).

Recovery Outcome	No Intervention	Option A	Option B
<b>Wild Salmon &amp; Steelhead Status</b>	Threatened (20,000 wild fish returning per year)	Basic Recovery (40,000 wild fish returning per year)	High Recovery (70,000 wild fish returning per year)
<b>Time to Recovery Salmon &amp; Steelhead</b>	No Recovery	50 years (time until wild fish reach recovery goal)	50 years (time until wild fish reach recovery goal)
<b>\$ Annual Cost To Your Household</b> (Permanent increase to your household starting next year)	<b>\$0 every year</b>	<b>\$40 every year</b> (equivalent to \$3.33 per month)	<b>\$75 every year</b> (equivalent to \$6.25 per month)
<b>Your Vote</b> Please mark <u>one</u> of the boxes to the right	No Intervention <input type="checkbox"/>	Option A <input type="checkbox"/>	Option B <input type="checkbox"/>

10. How certain are that you would actually make this choice on a scale of 0 to 10, where 0 is "Very uncertain" and 10 is "Very certain"? Please circle one answer on this scale.

0	1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	---	----

Very uncertain

Very certain

**11. Please vote for one of the three options below.** (Mark one box at the bottom to indicate which option you prefer).

Recovery Outcome	No Intervention	Option A	Option B
<b>Wild Salmon &amp; Steelhead Status</b>	Threatened (20,000 wild fish returning per year)	Basic Recovery (40,000 wild fish returning per year)	High Recovery (70,000 wild fish returning per year)
<b>Time to Recovery Salmon &amp; Steelhead</b>	No Recovery	50 years (time until wild fish reach recovery goal)	50 years (time until wild fish reach recovery goal)
<b>\$ Annual Cost To Your Household</b> (Permanent increase to your household starting next year)	<b>\$0 every year</b>	<b>\$40 every year</b> (equivalent to \$3.33 per month)	<b>\$75 every year</b> (equivalent to \$6.25 per month)
<b>Your Vote</b> Please mark <u>one</u> of the boxes to the right	No Intervention <input type="checkbox"/>	Option A <input type="checkbox"/>	Option B <input type="checkbox"/>

**12. How certain are that you would actually make this choice on a scale of 0 to 10, where 0 is “Very uncertain” and 10 is “Very certain”?** Please circle one answer on this scale.

0	1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	---	----

Very uncertain

Very certain

**13. Thinking about the choices you made in the previous voting questions, how much do you agree or disagree that the following statements? (Please circle one number for each statement.)**

	Strongly Disagree		Neutral		Strongly Agree
My choices would have been different if the economy in my area were better.	1	2	3	4	5
It is important to restore Willamette basin salmon and steelhead, no matter how much it costs.	1	2	3	4	5
The descriptions in the recovery plan were hard to understand.	1	2	3	4	5
Salmon and steelhead recovery is important, but I do not believe that the recovery options will actually increase the number of fish as described.	1	2	3	4	5
Recovery options were not worth their costs to my household.	1	2	3	4	5
The changes offered by the plans happen too far into the future for me to really care.	1	2	3	4	5
Recovery program should be paid by commercial and recreational anglers rather than by all Oregon residents.	1	2	3	4	5
Salmon and steelhead recovery is not that important to me..	1	2	3	4	5
Environmental conditions besides fish were important factors in my decision.	1	2	3	4	5
Somebody else should pay	1	2	3	4	5

**14. To what extent do you believe that the results of this survey, based on your answers and the answers of other respondents, will be taken into consideration by policy makers? (Please circle one number.)**

Definitely not  
taken in account

Unsure

Definitely taken  
into account

1

2

3

4

5



**15. Thinking about the choices you made in the previous voting questions, how much do you agree or disagree with the following statements? (Please circle one number for each statement.)**

	Strongly Disagree		Neutral		Strongly Agree
I chose as if my household would actually face the costs shown in the questions.	1	2	3	4	5
I voted for a recovery plan option because I thought it would increase the chances that the government would do the same thing in rivers basins closer to my home.	1	2	3	4	5
It is important to restore wild salmon and steelhead no matter how much it costs.	1	2	3	4	5
I should not have to pay for wild salmon and steelhead recovery.	1	2	3	4	5
I voted for a recovery plan option more for future generations than myself.	1	2	3	4	5
Recovery should be funded with existing taxes.	1	2	3	4	5
I prefer to make a voluntary donation than to increase taxes.	1	2	3	4	5
I cannot afford to help pay for these programs	1	2	3	4	5
I think wild salmon and steelhead recovery would happen too far in the future to be worthwhile.	1	2	3	4	5
The government should be involved in regulating the activities of people and businesses, in order to protect or improve the environment.	1	2	3	4	5
Background information in the survey was fair and unbiased.	1	2	3	4	5

## Questions about your activities on lakes, rivers, and streams in the Willamette basin

The following questions will ask you about single-day trips you have taken to visit a lake, river, or stream in the Willamette basin. By single-day trips, we mean visits where you traveled at least 15 minutes from home, but did not spend the night away. This includes short trips within your community, and longer trips that take several hours or an entire day.

**16. In the last 12 months, how many single-day trips did you take to visit a lake, stream, or river in the Willamette basin for recreational purposes?**

(Please circle one number.)

0	1	2	3	4	If more than 4, write in number of trips: _____	Don't know how many trips I took in the past 12 months <input type="checkbox"/>
---	---	---	---	---	---	--

**17. If you did visit one or more lake, stream, or river in the Willamette basin in the last 12 months, which site did you visit most often? (Fill in as much information as you can).**

**17a. Name of site** \_\_\_\_\_

**17b. How long did it take you to drive there from your home?**

\_\_\_\_\_ hours and \_\_\_\_\_ minutes

**17c. What is the nearest town to that site?** \_\_\_\_\_

**17d. What did you do on your visit(s) to that site?** (Check all activities you did on your visits)

Fishing

Boating, canoeing or kayaking

Hunting

Bird watching or wildlife viewing

Swimming or playing in the water

Camping

Hiking, walking, or running

Other \_\_\_\_\_

**18. On these single-day trips in the last 12 months, who normally went with you?**

- No one, I usually went alone
- 1 or more other adults, but no children
- 1 or more other people, including children

**19. In the past 12 months, which of the following lakes, rivers, or streams did you visit? (Please check all that you have visited and write in the number of visits in the past 12 months).**

An example  2 Blue River Lake

- |   |   |
|---|---|
| <input type="checkbox"/> _____ Willamette River within Portland | <input type="checkbox"/> _____ Willamette River outside of Portland |
| <input type="checkbox"/> _____ Coast Fork Willamette            | <input type="checkbox"/> _____ Middle Fork Willamette               |
| <input type="checkbox"/> _____ Tualtin River                    | <input type="checkbox"/> _____ McKenzie River                       |
| <input type="checkbox"/> _____ North Fork Yamhill River         | <input type="checkbox"/> _____ South Fork Yamhill                   |
| <input type="checkbox"/> _____ Mollala River                    | <input type="checkbox"/> _____ Clackamas River                      |
| <input type="checkbox"/> _____ North Santiam River              | <input type="checkbox"/> _____ South Santiam River                  |
| <input type="checkbox"/> _____ Calapooia River                  | <input type="checkbox"/> _____ Mary's River                         |
| <input type="checkbox"/> _____ Long Tom River                   | <input type="checkbox"/> _____ Luckiamute River                     |
| <input type="checkbox"/> _____ Breitenbush River                | <input type="checkbox"/> _____ Eagle Creek                          |
| <input type="checkbox"/> _____ Quartzville Creek                | <input type="checkbox"/> _____ Pudding River`                       |
| <input type="checkbox"/> _____ Hills Creek`                     | <input type="checkbox"/> _____ Cougar Lake                          |
| <input type="checkbox"/> _____ Detroit Lake                     | <input type="checkbox"/> _____ Clear Lake                           |
| <input type="checkbox"/> _____ Dexter Lake                      | <input type="checkbox"/> _____ Dorena Lake                          |
| <input type="checkbox"/> _____ Fall Creek                       | <input type="checkbox"/> _____ Fern Ridge Lake                      |
| <input type="checkbox"/> _____ Foster Lake                      | <input type="checkbox"/> _____ Green Peter Lake                     |
| <input type="checkbox"/> _____ Hills Creek Lake                 | <input type="checkbox"/> _____ Blue River Lake                      |
| <input type="checkbox"/> _____ Big Cliff Lake                   | <input type="checkbox"/> _____ Leaburg Lake                         |
| <input type="checkbox"/> _____ North Fork Lake (Clackamas)      | <input type="checkbox"/> _____ Cottage Grove Lake                   |
| <input type="checkbox"/> _____ Lookout Point Lake               | <input type="checkbox"/> _____ Other _____                          |
| <input type="checkbox"/> _____ Other _____                      | <input type="checkbox"/> _____ Other _____                          |

## The Next Questions Ask You About Your Views On Hatchery-origin and Wild-origin Salmon and Steelhead in the Willamette Basin

It is possible that a large reduction in the number of hatchery salmon and steelhead in the Willamette watershed might be required to meet wild salmon and steelhead recovery goals. These reductions may be needed to reduce competition between hatchery and wild fish for resources and habitat. Reductions in the number of hatchery fish in the Willamette watershed would mean fewer salmon and steelhead available for recreational anglers to catch and bring home.

### 20. Would your household support a large reduction in hatchery salmon and steelhead in the Willamette watershed if it would help to achieve wild salmon and steelhead recovery?

(Please circle one number.)

Definitely would <u>not</u> support		Unsure		Definitely would support
1	2	3	4	5

### 21. How much do you *agree or disagree* with the following statements about wild-origin and hatchery-origin salmon and steelhead? (Please circle one number for each statement.)

	Strongly Disagree		Neutral		Strongly Agree
A wild-origin fish population is more valuable to me than a population of hatchery fish because its presence indicates a well-functioning, healthy watershed.	1	2	3	4	5
Oregon salmon and steelhead populations need to be managed so they support harvest.	1	2	3	4	5
The recreation opportunity provided by hatchery-origin fish is more important than having sustainable wild, but not harvestable populations.	1	2	3	4	5

## About you and your household

To finish, we have some questions about you for statistical purposes only. Please be assured that all of your answers will remain completely confidential. We ask these questions so that we can determine how the socio

**22: What is your sex?**  Male  Female

**23: What is your age?** \_\_\_\_\_ years old

**24: How many children under age 18 are living in your home?** \_\_\_\_\_ children

**25: Does anyone in your household belong to an environmental organization (such as the Sierra Club, or National Audubon Society)?**

Yes  No  Don't Know

**26: In 2013, what was your total pre-tax household income, including all earners in your household?**

- |   |   |
|---|---|
| <input type="checkbox"/> Under \$25,000       | <input type="checkbox"/> \$100,000 to \$149,999 |
| <input type="checkbox"/> \$25,000 to \$49,999 | <input type="checkbox"/> \$150,000 to \$199,999 |
| <input type="checkbox"/> \$50,000 to \$74,999 | <input type="checkbox"/> Above \$200,000        |
| <input type="checkbox"/> \$75,000 to \$99,999 |   |

Note: Please answer BOTH Questions 24 about Hispanic origin and Question 25. For this survey, Hispanic origins are not races.

**27: Are you of Hispanic, Latino, or Spanish origin?:**

Yes  No  I prefer not to answer

**28. What is your race? (You may select more than one.)**

- |  |  |
|--|--|
| <input type="checkbox"/> American Indian or Alaska Native          | <input type="checkbox"/> Asian Indian    |
| <input type="checkbox"/> Black or African American                 | <input type="checkbox"/> White           |
| <input type="checkbox"/> Native Hawaiian or Other Pacific Islander | <input type="checkbox"/> Asian           |
| <input type="checkbox"/> Black/African American                    | <input type="checkbox"/> Some other race |

**29. What is the highest degree or level of school you have completed?**

- |  |   |
|--|---|
| <input type="checkbox"/> Less than high school               | <input type="checkbox"/> Associate's degree |
| <input type="checkbox"/> High school or GED                  | <input type="checkbox"/> Bachelor's degree  |
| <input type="checkbox"/> Some college (1-4 years, no degree) | <input type="checkbox"/> Graduate degree    |

**30. Have you or any member of your household ever worked for any of the following industries or jobs? (Please check all that apply)**

- |   |  |
|---|--|
| <input type="checkbox"/> Commercial fishing | <input type="checkbox"/> Electric power generation |
| <input type="checkbox"/> Farming            | <input type="checkbox"/> Commercial timber         |
| <input type="checkbox"/> Dam operations     | <input type="checkbox"/> River or fishing guiding  |

**31. Would you say that you and your household are better off, just about the same, or worse off financially than you were a year ago?**

- We are better off
- We are just about the same
- We are worse off

**32. Looking ahead, do you think that a year from now you and your family will be financially better off, just about the same, or worse off financially?**

- We will be better off
- We will be just about the same
- We will be worse off

**Thank you! You have completed the survey.  
Please return the survey in the provided postage-paid envelope.**

Thank you again for providing us with your views. Your input is very important.

If you have any additional thoughts or comments about any of the topics or the survey itself, please share them here.

If you have any questions, please call 541-754-4703 or email [papenfus.michael@epa.gov](mailto:papenfus.michael@epa.gov)

*The public reporting and recordkeeping burden for this collection of information is estimated to average 30 minutes per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed survey to this address.*