Southwest Climate Decisions

IRB And Consent

🆔 665

Informed Consent
Relevance of scientific information to natural resource decision-making in the southwestern United States

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The following information describes the purpose and obligations associated with participation in this study. It is required by the Institutional Review Board.

WHAT IS THE PURPOSE OF THIS STUDY AND WHY AM I BEING INVITED TO PARTICIPATE?
We invite you to participate in a study on the use of scientific information in public natural resource management planning and decision-making. We are inviting you because you are employed by a public natural resource management agency or because you were recommended by a peer or colleague. If you are not employed by a public natural resource management agency, we ask that you please do not take this survey, as we will not be able to use your responses.

WHO CAN I TALK TO ABOUT THE STUDY?
If you have questions, concerns, or complaints, please contact the principal investigator, Dr. Mark Schwartz, at (530) 752-0671, mwschwartz@ucdavis.edu, or Department of Environmental Science and Policy, University of California, Davis, One Shields Ave., Davis, CA 95616.
The study methods have been reviewed and approved by an Institutional Review Board (IRB). Information about the review process is at http://www.research.ucdavis.edu/IRBAdmin. You may talk to an IRB staff member at (916) 703-9151, IRBAdmin@ucdmc.ucdavis.edu, or 2921 Stockton Blvd., Suite 1400, Room 1429, Sacramento, CA 95817 for any of the following reasons:
• Your questions, concerns, or complaints are not being answered by the principal investigator.

• You cannot reach the principal investigator.
• You want to talk to someone who is not the principal investigator.
• You have questions about your rights as a research participant.
• You want to obtain information or provide input about this research.

WHY IS THIS STUDY BEING CONDUCTED?
This survey is intended to help staff at the Southwest Climate Science Center (SWCSC) understand the kinds of decisions made by public natural resource officials and how scientific information, and in particular climate information, is obtained and used in natural resource management planning processes. Your insights will be used to guide the outreach and science activities the SWCSC pursues.

WHAT IS THE DEADLINE FOR PARTICIPATING?
We ask that you complete the survey before **March 2, 2015**

HOW MANY PEOPLE WILL PARTICIPATE?
We are distributing this survey to over 1000 employees of public natural management agencies within the Southwest Climate Science Center region (AZ, CA, CO, NM, NV, and UT).

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WHAT ARE MY OBLIGATIONS?
• There is no obligation to participate. Whether you take part is up to you.
• You may choose whether to participate without force, fraud, deceit, duress, coercion, or undue influence.
• You can leave the research study at any time and it will not be held against you.
• Either now or at any time in the future, you may choose not to participate.
• Whatever you decide will not be held against you.
• You can ask all the questions you want before you decide whether to participate.

WHAT HAPPENS IF I CONSENT TO PARTICIPATE IN THIS STUDY?
If you consent to participate, you will access the survey by clicking on "Yes, I consent to take the survey." The survey will take 15-60 minutes, depending on your responses. You can interrupt the survey and finish it later provided that you access the survey with the same URL and use the same computer and web browser. If you do not access or complete the survey now, you will receive 2-3 reminders before the deadline.

WHAT HAPPENS TO THE INFORMATION I PROVIDE?
Individual responses to the survey will be anonymized. Efforts will be made to limit use or disclosure of your personal information, including research study records, to people who have a need to review this information. We cannot promise complete confidentiality. Organizations that may inspect and copy your information include the IRB and other University of California representatives responsible for the management or oversight of this study. Any responses that

are made public (i.e., through peer-reviewed publications or conference presentations) will be in summary form.

WHAT ELSE DO I NEED TO KNOW?
You will not be compensated for taking part in this study. However, all survey recipients have an opportunity to participate in a drawing for eight complimentary conference registration awards (up to $350) at a conference of your choosing. Simply by clicking "Next" and answering whether you are willing to participate. (Note: your answer will not affect your affect ability to win a registration award.)

(Please click "Next")

(untitled)

Page exit logic: Page Logic
IF: (Question "Do you work for a **public natural resource management agency**?" #1 is one of the following answers ("No") AND Question "Do you wish to participate in the survey?" #2 is one of the following answers ("Yes, I consent to take the survey.")) **THEN:** Jump to page 35 - Alternate thank you 2

Page exit logic: Page Logic
IF: Question "Do you wish to participate in the survey?" #2 is one of the following answers ("No, I do not wish to participate in the survey.") **THEN:** Jump to page 34 - Alternate Thank You

ID 2

1. Do you work for a **public natural resource management agency**? *

○ Yes

○ No

ID 666

2. Do you wish to participate in the survey? *

    ○   Yes, I consent to take the survey.

    ○   No, I do not wish to participate in the survey.

Page One

Page entry logic:
This page will show when: Question "Do you wish to participate in the survey?" #2 is one of the following answers ("Yes, I consent to take the survey.")

Page description:

ID 3

This survey is intended to help staff at the Southwest Climate Science Center (SWCSC), and others in the research community, gain a more specific understanding of the kinds of decisions made by public natural resource officials and to identify how scientific information, and in particular climate information, is obtained and applied in National Environmental Policy Act (NEPA) natural resource decision-making processes.

Thank you again for your willingness to participate in this study.

- The survey may take anywhere from 15-60 minutes, depending on your responses.
- The survey has three sections
  - In Section 1, we ask about your general interest in, and use of, scientific (and specifically climate) information. This section should take no more than 10 minutes.
  - In Section 2, we ask you to identify two NEPA processes in which you have been involved either directly or indirectly (if applicable). For each of these, we ask you several fairly specific questions about the resources affected by the plan, the constraints acting upon the planning process, and use of scientific information. The line of questioning for each NEPA process may take up to 20 minutes. You will have an opportunity to opt out of these questions for the second NEPA processes should you choose to do so.
  - In Section 3, we ask you a couple of short questions related to your professional background. This section should take no more than 10 minutes.
- If you wish to finish the survey later, please hit the "save and continue survey later" option at the bottom of the page
- Roll over text **in blue** to see definitions of select terms.
- **As you move through the survey, please do not use your browser's back button. Doing so will result in an error message and potential loss of any unsaved progress in the survey. Instead, please use the BACK and NEXT buttons at the bottom of the page.**

Intro to Section 1

Page description:

In this first section, we ask you a number of questions that are designed to help us assess how the use and general demand for climate science services and products varies among individuals and the agencies and jurisdictions for which they work.

Characterizing General Interest in Climate Science

Page description:

Please do not use your browser's back button (use the buttons at the bottom of the page). If you wish to finish the survey later, please hit the "save and continue survey later" option at the bottom of the page

Roll over text **in blue** to see definitions of select terms.

3. Please indicate your current agency. (Check one.)

- ○ Bureau of Land Management
- ○ City government agency
- ○ County government agency
- ○ Fish and Wildlife Service
- ○ Forest Service
- ○ National Park Service
- ○ Other federal government agency
- ○ Special district
- ○ State government agency
- ○ Tribal government agency

If you do not work for any of the listed federal agencies, please write the name of the agency and indicate any applicable subdivisions. For example, if you work for the Utah Division of Wildlife Resources, write the full name and not just "State of Utah."
What is the name of your agency?

<div style="border:1px solid #999; width:300px; height:60px;"></div>

Please select the organizational level that best applies to your current position

- ○ District
- ○ Forest
- ○ Region
- ○ National

Please select the organizational level that best applies to your current position

- ○ Field Office
- ○ District
- ○ State
- ○ National

ID 188

Please select the organizational level that best applies to your current position

- ○ Refuge
- ○ State
- ○ Region
- ○ National

ID 189

Please select the organizational level that best applies to your current position

- ○ Park
- ○ Region
- ○ National

(untitled)

Page description:

Please remember to use the buttons at the bottom of the page to navigate the survey.

Using your browser's back button may result in an error.

ID 4

4. During the course of your job, please indicate how likely you are to seek the following types of climate-related content. (Check one for each row)

	Very unlikely	Somewhat unlikely	Neither likely nor unlikely	Somewhat likely	Very likely	I don't know
Climate data (e.g., historical observations, climate change projections)	○	○	○	○	○	○
Technical summaries of climate change impacts to specific resources	○	○	○	○	○	○
Decision support tools to help use climate change information to make decisions about specific resources	○	○	○	○	○	○
Training related to sources, applications, and management of climate data (including historical observations, climate change projections)	○	○	○	○	○	○
Training related to climate change impacts to specific resources	○	○	○	○	○	○
Training related to use of decision support tools to help use climate change information to make decisions about specific resources	○	○	○	○	○	○
Other climate-related content not listed here	○	○	○	○	○	○

ID 672

Please describe the other types of content that you are likely to seek.

[   ]

ID 18

5. For each of the following potential outreach formats for climate-related information, please indicate how likely you would be to seek it. (Check one for each row)
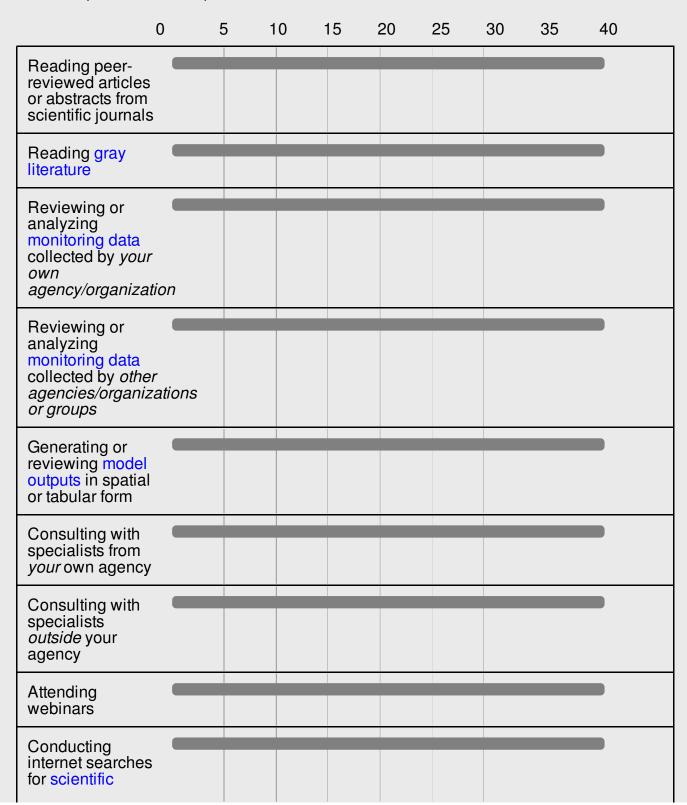
	Very unlikely	Somewhat unlikely	Neither likely nor unlikely	Somewhat likely	Very likely	I don't know
Webinars	○	○	○	○	○	○
Educational videos	○	○	○	○	○	○
2-4 page fact sheets	○	○	○	○	○	○
Technical reports	○	○	○	○	○	○
Peer-reviewed journal articles	○	○	○	○	○	○
In-person training courses	○	○	○	○	○	○
Online training courses	○	○	○	○	○	○
Annual/biannual conference/forum	○	○	○	○	○	○
Extension service	○	○	○	○	○	○
Other outreach formats not listed above	○	○	○	○	○	○

ID 674

Please describe the other outreach formats that you are likely to seek.

[text box]

ID 28

6. What is your preferred length of educational video? (check all that apply

☐ 5-10 minutes

☐ 11-30 minutes

☐ 31 -60 minutes

(untitled)

Page description:

ID 788

Roll over text **in blue** to see definitions of select terms.

7. We recognize that in your day-to-day work, you spend your time doing many different things. We are interested to know how much time you spend collecting, reviewing, or analyzing scientific information. Please use the sliders below to indicate how much time (in a 40-hour work week) you spend on average on each of the tasks below. If you work more or less than 40 hours, please provide your best characterization of relative amount of time spent.

The sliders move in 1-hour increments. Your total allocation of time cannot be greater than 40 hours (i.e., no overtime).

	0	5	10	15	20	25	30	35	40

Reading peer-reviewed articles or abstracts from scientific journals

Reading gray literature

Reviewing or analyzing monitoring data collected by *your own agency/organization*

Reviewing or analyzing monitoring data collected by *other agencies/organizations or groups*

Generating or reviewing model outputs in spatial or tabular form

Consulting with specialists from *your* own agency

Consulting with specialists *outside* your agency

Attending webinars

Conducting internet searches for scientific

information						
Reviewing agency policies	▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬					
Activities other than those listed here	▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬					

(untitled)

🆔 714

Please do not use your browser's back button (use the buttons at the bottom of the page). If you wish to finish the survey later, please hit the "save and continue survey later" option at the bottom of the page

Roll over text **in blue** to see definitions of select terms.

🆔 40

We would like you to work through a few specific examples of NEPA processes in which you have been involved to understand the role of scientific information in natural resource decision-making. **Involvement in a NEPA process could include formally serving as part of the interdisciplinary team that prepares the NEPA document; being involved in analyses, strategic planning, or preparation of formal or informal documentation used to guide or inform the NEPA process; or serving as a planner, reviewer, litigation team member, or signing officer.**

(untitled)

Page description:

ID 713

Please remember not to use the back button.

Roll over text **in blue** to see definitions of select terms.

ID 50

8. Please list the names of up to 2 projects or you were involved in that eventually resulted in a **completed** NEPA process (i.e., a final determination has been issued) related to natural or cultural resources. Please <u>do not</u> list Categorical Exclusions or projects for which NEPA has not been completed. Since we will ask you a series of questions about these processes, please pick those that you remember fairly well. You do not have to write down the full name of the NEPA document if you do not remember it, but please try to provide enough information that we can look it up in the Federal Register or other planning database.

NEPA 1 [   ]

LOGIC Show/hide trigger exists.
ID 54
&

NEPA 2 [   ]

Describing Plan 1 p.1

Page description:

ID 787

Please do not use your browser's back button (use the buttons at the bottom of the page). If you wish to finish the survey later, please hit the "save and continue survey later" option at the bottom of the page

Roll over text **in blue** to see definitions of select terms.

ID 821
9. Please indicate the agency you worked for during [question("value"), id="50"]. (Check one.)

- ○ Bureau of Land Management
- ○ City government agency
- ○ County government agency
- ○ Fish and Wildlife Service

- ○ Forest Service
- ○ National Park Service
- ○ Other federal government agency
- ○ Special district

- ○ State government agency
- ○ Tribal government agency

ID 190

10. Please provide the name of your unit at the time of [question("value"), id="50"] (e.g., Truckee Ranger District, Arizona Strip Field Office, USFWS Region 2 Office).

<div style="border:1px solid #888; width:300px; height:40px;"></div>

LOGIC Show/hide trigger exists.

ID 49

11. Which of the following best describes your role in the NEPA process for [question("value"), id="50"]?

○ I worked for the lead or joint lead agency developing the NEPA documentation.

○ I worked for a formal cooperating agency.

○ I provided input to the lead agency(ies) developing NEPA documentation for this plan but did not have a formal Cooperating Agency role.

Show/hide trigger exists. Hidden unless: Question "Which of the following best describes your role in the NEPA process for [question("value"), id="50"]?" #11 is one of the following answers ("I worked for the lead or joint lead agency developing the NEPA documentation.")
782

12. You said you worked for a lead agency for [question("value"), id="50"]. Which of the following best describes your role? (Check those that best apply)

☐ I was directly involved in the NEPA Process as a Planner.

☐ I was directly involved in the NEPA Process as an Interdisciplinary Team Member.

☐ I was directly involved in the NEPA Process as a Signing Officer.

☐ I was directly involved in the NEPA Process as a Appeals and Litigation Team Member.

☐ I was directly involved in the NEPA Process as an Internal Reviewer.

☐ I participated in development of one or more non-decisional plans or reports (e.g., strategic plan, resource assessment, specialist report, etc.) that relate to this plan. (Please list the types of plans in the Other Plans box)

☐ I participated in development of one or more legally-required plans or reports (e.g., a Biological Assessment, Biological Opinion) that relate to this plan. (Please list the type(s) of reports in the Legally Required Reports box)

☐ I participated in a role other than those described above. (Please describe in the Other Lead Agency Roles Box)

Hidden unless: Question "You said you worked for a lead agency for [question("value"), id="50"]. Which of the following best describes your role? (Check those that best apply)" #12 is one of the following answers ("I participated in development of one or more non-decisional plans or reports (e.g., strategic plan, resource assessment, specialist report, etc.) that relate to this plan. (Please list the types of plans in the Other Plans box)")
58

Other Plans

Hidden unless: Question "You said you worked for a lead agency for [question("value"), id="50"]. Which of the following best describes your role? (Check those that best apply)" #12 is one of the following answers ("I participated in development of one or more legally-required plans or reports (e.g., a Biological Assessment, Biological Opinion) that relate to this plan. (Please list the type(s) of reports in the Legally Required Reports box)")

ID 829

Other Legally Required Reports

Hidden unless: Question "You said you worked for a lead agency for [question("value"), id="50"]. Which of the following best describes your role? (Check those that best apply)" #12 is one of the following answers ("I participated in a role other than those described above. (Please describe in the Other Lead Agency Roles Box)")

ID 59

Other Lead Agency Roles

ID 783

13. You said you worked for a cooperating agency. Which of the following best describes your role in [question("value"), id="50"]? (Check those that best apply).

☐ I provided input to the lead agency(ies) for this plan as an Interdisciplinary Team member.

☐ I participated in development of one or more informal plans or reports (e.g., strategic plan, resource assessment, specialist report, etc.) that relate to this plan. (Please list the type(s) of reports in the Other Reports box)

☐ I participated in development of one or more legally-required plans or reports (e.g., a Biological Assessment, Biological Opinion) that relate to this plan. (Please list the type(s) of reports in the Legally Required Reports box)

☐ I participated in a role other than those described above. (Please describe in the Other Cooperating Agency Roles box)

ID 63

Other Reports

Hidden unless: Question "You said you worked for a cooperating agency. Which of the following best describes your role in [question("value"), id="50"]? (Check those that best apply)." #13 is one of the following answers ("I participated in development of one or more legally-required plans or reports (e.g., a Biological Assessment, Biological Opinion) that relate to this plan. (Please list the type(s) of reports in the Legally Required Reports box)")

ID 64

Other Legally Required Reports

Hidden unless: Question "You said you worked for a cooperating agency. Which of the following best describes your role in [question("value"), id="50"]? (Check those that best apply)." #13 is one of the following answers ("I participated in a role other than those described above. (Please describe in the Other Cooperating Agency Roles box)")

ID 65

Other Cooperating Agency Roles

ID 824

14. You said you provided input to the lead agency developing NEPA documentation for [question("value"), id="50"], but not as a member of a Cooperating Agency. Please describe your role below.

- ☐ I provided input to the lead agency(ies) for this plan as an Interdisciplinary Team member.

- ☐ I participated in development of one or more informal plans or reports (e.g., strategic plan, resource assessment, specialist report, etc.) that relate to this plan. (Please list the type(s) of reports in the Other Reports box)

- ☐ I participated in development of one or more legally-required plans or reports (e.g., a Biological Assessment, Biological Opinion) that relate to this plan. (Please list the type(s) of reports in the Legally Required Reports box)

- ☐ I participated in a role other than those described above. (Please describe in the Other Roles box)

ID 825

Other Reports

Hidden unless: Question "You said you provided input to the lead agency developing NEPA documentation for [question("value"), id="50"], but not as a member of a Cooperating Agency. Please describe your role below." #14 is one of the following answers ("I participated in development of one or more legally-required plans or reports (e.g., a Biological Assessment, Biological Opinion) that relate to this plan. (Please list the type(s) of reports in the Legally Required Reports box)")

ID 826

Other Legally Required Reports

Hidden unless: Question "You said you provided input to the lead agency developing NEPA documentation for [question("value"), id="50"], but not as a member of a Cooperating Agency. Please describe your role below." #14 is one of the following answers ("I participated in a role other than those described above. (Please describe in the Other Roles box)")

ID 827

Other Roles

ID 67

15. Which of the following agencies served as the lead agency for [question("value"), id="50"]? (Please check all that apply)

☐ U.S. Army Corps of Engineers

☐ U.S. Bureau of Land Management

☐ U.S. Bureau of Reclamation

☐ U.S. Federal Highway Administration

☐ U.S. Fish and Wildlife Service

☐ U.S. Forest Service

☐ U.S. National Park Service

☐ Other (please describe) [   ]

ID 69

16. Which of the following best reflects the spatial extent affected by [question("value"), id="50"]?

<1,000 acres	1,000 - 9,999 acres	10,000 - 49,999 acres	50,000 - 99,999 acres	10,000 - 99,999 acres	>100,000 acres	I don't know
○	○	○	○	○	○	○

ID 828

17. When trying to anticipate the effects of [question("value"), id="50"], which of the following best reflects the timeframe you analyzed for project plan effects? (Please check all that apply.)

☐ Short (Up to 5 years)

☐ Moderate (Up to 20 years)

☐ Long (Up to 50 years)

☐ Very Long (More than 50 years)

☐ I don't know

☐ None of the above, I was not involved in the analysis

ID 72

18. Which of the following types of analysis was [question("value"), id="50"]? (Please check only one.)

○ Programmatic Environmental Impact Statement

○ Environmental Impact Statement

○ Environmental Assessment

19. Which of the following <u>best</u> describes [question("value"), id="50"]? (Please check only one.)

- ○ Programmatic Plan

- ○ Land or Multi-resource Management Plan

- ○ Implementation Plan

- ○ Project Plan

- ○ Permit or Permit Renewal

- ○ Other (please enter in Comments below)

Comments

20. Please identify <u>up to three</u> primary management objectives of [question("value"), id="50"]. (Check up to three.)

- ☐ Land use allocation
- ☐ Establishment of standards and/or guidelines
- ☐ Estate management (i.e., lands and realty)
- ☐ Minerals management
- ☐ Minerals production
- ☐ Energy production (fossil fuels; e.g., oil, gas, coal, oil shale)
- ☐ Energy production (renewables; e.g., wind, solar, geothermal, hydro)
- ☐ Livestock management

- ☐ Wild horse and burro management
- ☐ Vegetation management (range)
- ☐ Vegetation management (timber)
- ☐ Vegetation management (fuels)
- ☐ Vegetation management (invasive plants)
- ☐ Vegetation management (special status plants)
- ☐ Fire management
- ☐ Habitat improvement/restoration

- ☐ Fish and/or wildlife management
- ☐ Water management
- ☐ Cultural resource management
- ☐ Travel management
- ☐ Recreation management
- ☐ Mitigation
- ☐ Other (Please describe)

  [_____]

21. Please identify <u>up to three</u> resources you expected to be potentially affected by [question("value"), id="50"]. (Check up to three.)

- ☐ Cultural/Historical
- ☐ Paleontological
- ☐ Visual/Scenic
- ☐ Recreational

- ☐ Minerals/Geology
- ☐ Fossil Fuels
- ☐ Air
- ☐ Water

- ☐ Soils
- ☐ Vegetation
- ☐ Fish and/or wildlife
- ☐ Other (Please describe)

  [_____]

ID 75

Please select all vegetation types that apply.

- ☐ Forest

- ☐ Grassland

- ☐ Riparian

- ☐ Scrubland

- ☐ Shrubland

- ☐ Wetland

- ☐ Woodland

ID 76

Which of the following best describes the fish and/or wildlife species affected [question("value"), id="50"]? (check all that apply)

- ☐ Game

- ☐ Non-game

- ☐ Special status (e.g., Candidate under ESA, Sensitive Species)

- ☐ Threatened or Endangered (based on the Endangered Species Act)

ID 77

Which of the following best describes the types of water body affected [question("value"), id="50"]? (check all that apply)

- ☐ Artificial water catchment(s)

- ☐ Groundwater

- ☐ Lake(s)

- ☐ Reservoir(s)

- ☐ Seep(s) or spring(s)

- ☐ Stream(s)

ID 790

22. Did you analyze effects of proposed alternatives for [question("value"), id="50"] on climate change as indicated by their greenhouse gas emissions?

- ○ Yes, I was involved in the analysis and analyzed these effects.

- ○ No, I was involved in the analysis but did not analyze these effects.

- ○ No, I was not involved in the analysis.

- ○ I don't know

ID 78

23. Did you analyze the implications of climate change for the environmental effects of proposed alternatives for [question("value"), id="50"]?

   ○ Yes, I was involved in the analysis and analyzed these effects.

   ○ No, I was involved in the analysis but we not analyze these effects.

   ○ No, I was not involved in the analysis.

   ○ I don't know

Describing Plan 1 p.2

Page entry logic:
This page will show when: (Question "Please list the names of up to 2 projects or you were involved in that eventually resulted in a **completed** NEPA process (i.e., a final determination has been issued) related to natural or cultural resources. Please do not list Categorical Exclusions or projects for which NEPA has not been completed. Since we will ask you a series of questions about these processes, please pick those that you remember fairly well. You do not have to write down the full name of the NEPA document if you do not remember it, but please try to provide enough information that we can look it up in the Federal Register or other planning database." #8 AND Question "Please identify up to three resources you expected to be potentially affected by [question("value"), id="50"]. (Check up to three.)" #21)

Page description:

ID 791

Please do not use your browser's back button (use the buttons at the bottom of the page). If you wish to finish the survey later, please hit the "save and continue survey later" option at the bottom of the page

Roll over text **in blue** to see definitions of select terms.

ID 80

PIPING Piped From Question 21. (Please identify up to three resources you expected to be potentially affected by [question("value"), id="50"]. (Check up to three.))

Over the next 25 years, how significantly do you think projected warming temperatures and potential decreases in water availability associated with climate change will affect the desired resource conditions [question("value"), id="50"] was intended to achieve for [question("piped title")]?

Not very significantly	Somewhat significantly	Very significantly	I don't know
○	○	○	○

(untitled)

Page entry logic:
This page will show when: Question "Please list the names of up to 2 projects or you were involved in that eventually resulted in a **completed** NEPA process (i.e., a final determination has been issued) related to natural or cultural resources. Please do not list Categorical Exclusions or projects for which NEPA has not been completed. Since we will ask you a series of questions about these processes, please pick those that you remember fairly well. You do not have to write down the full name of the NEPA document if you do not remember it, but please try to provide enough information that we can look it up in the Federal Register or other planning database." #8

Page description:

ID 730

The next few questions ask you about situations which might have surrounded the NEPA process you are describing. We are trying to understand the range of contexts in which decision-making occurs. Here we are particularly interested in the ways in which potential constraints affected the decision-making process and the decisions that were ultimately made.

(untitled)

Page description:

ID 97

24. Regarding your use of scientific information in the NEPA process for [question("value"), id="50"]...

	Yes	No	I don't know
You felt you had adequate scientific information	○	○	○
You had adequate time to assess the relevant scientific information	○	○	○

ID 100

25. When reflecting on the final determination for [question("value"), id="50"] directly after it was made, you thought...

	Yes	No	I don't know
A different determination would have better achieved desired resource conditions.	○	○	○
The final determination sufficiently addressed anticipated climate change impacts.	○	○	○
The scientific evidence was sufficient to support the final determination.	○	○	○

26. The final determination for [question("value"), id="50"]...

	Yes	No	I don't know
was appealed or protested	○	○	○
differed markedly from those made for similar plans by the <u>lead agency</u> in the past	○	○	○
differed markedly from those made for similar plans by <u>any agency</u> in the past	○	○	○
required revising existing plans from which [question("value"), id="50"] was tiered	○	○	○

27. Please indicate how significantly you felt that the following types of constraints influenced the final determination.

	Not very significantly	Somewhat significantly	Very significantly	I don't know
Institutional/legal (e.g., lack of regional/national policy support, need to revise existing laws or plans)	○	○	○	○
Socio-political (e.g., lack of political or public acceptance)	○	○	○	○
Economic (e.g., perceived positive or negative economic impacts on stakeholders)	○	○	○	○
Informational (e.g., lack of information at appropriate scales, uncertainty surrounding potential impacts of plan alternatives)	○	○	○	○
Financial (e.g., lack of budgetary resources for implementation)	○	○	○	○

(untitled)

Page description:

ID 731

The next few questions ask you about scientific information, including types of technical climate information, data analyses (e.g, maps, or model outputs) that you might have used in <u>your role</u> with the NEPA process you are describing. Please note that we are asking about <u>your personal use</u> of scientific information and not how it was used generally.

(untitled)

Page description:

ID 814

28. Do you think that information about climate and/or climate change is relevant to [question("value"), id="50"]

○ Yes   ○ No

ID 112

29. For each statement, please indicate whether you used information about the following for [question("value"), id="50"] either as raw data or as synthesized products (scientific publications or technical reports)...

	Yes	No	I don't know
Historical weather observations	○	○	○
Interpolated surfaces of historical climate data (e.g., PRISM)	○	○	○
Summaries of current climate conditions (drought indices or climate anomaly maps)	○	○	○
Monthly or seasonal outlooks	○	○	○
Long-term (> 10 years out) projections of climate averages	○	○	○
Long-term (> 10 years out) projections of climate extremes	○	○	○

Describing Plan 1 p.3

Page entry logic:
This page will show when: Question "Please list the names of up to 2 projects or you were involved in that eventually resulted in a **completed** NEPA process (i.e., a final determination has been issued) related to natural or cultural resources. Please do not list Categorical Exclusions or projects for which NEPA has not been completed. Since we will ask you a series of questions about these processes, please pick those that you remember fairly well. You do not have to write down the full name of the NEPA document if you do not remember it, but please try to provide enough information that we can look it up in the Federal Register or other planning database." #8

ID 715

Please do not use your browser's back button (use the buttons at the bottom of the page). If you wish to finish the survey later, please hit the "save and continue survey later" option at the bottom of the page

Roll over text **in blue** to see definitions of select terms.

LOGIC Hidden unless: ((((((Question "Historical weather observations" is one of the following answers ("Yes") OR Question "Interpolated surfaces of historical climate data (e.g., PRISM)" is one of the following answers ("Yes")) OR Question "Summaries of current climate conditions (drought indices or climate anomaly maps)" is one of the following answers ("Yes")) OR Question "Monthly or seasonal outlooks" is one of the following answers ("Yes")) OR Question "Long-term (> 10 years out) projections of climate averages" is one of the following answers ("Yes")) OR Question "Long-term (> 10 years out) projections of climate extremes" is one of the following answers ("Yes")) AND Question "Do you think that information about climate and/or climate change is relevant to [question("value"), id="50"]" #28 is one of the following answers ("Yes"))

ID 123

30. How useful was this information? For this question, "useful" means that it was helpful or beneficial to enhancing or completing the [question("value"), id="50"].

	Not very useful	Somewhat useful	Very useful	I don't know
Historical weather observations	○	○	○	○
Interpolated surfaces of historical climate data (e.g., PRISM)	○	○	○	○
Summaries of current climate conditions (drought indices or climate anomaly maps)	○	○	○	○
Monthly or seasonal outlooks	○	○	○	○
Long-term (> 10 years out) projections of climate averages	○	○	○	○
Long-term (> 10 years out) projections of climate extremes	○	○	○	○

31. Sometimes, you would like to use technical climate information in planning, but various factors prevent you from doing so. Thinking about [question("value"), id="50"], please indicate, for each type of information, the barriers that prevented you from using it. (Check all that apply for each row.)

	Lack of quality	Lack of utility	Lack of availability	Lack of capacity	Lack of expertise
Historical weather observations	☐	☐	☐	☐	☐
Interpolated surfaces of historical climate data (e.g., PRISM)	☐	☐	☐	☐	☐
Summaries of current climate conditions (drought indices or climate anomaly maps)	☐	☐	☐	☐	☐
Monthly or seasonal outlooks	☐	☐	☐	☐	☐
Long-term (> 10 years out) projections of climate averages	☐	☐	☐	☐	☐
Long-term (> 10 years out) projections of climate extremes	☐	☐	☐	☐	☐

32. Please describe any other constraints on your ability to use climate information that you would like us to know about. (Optional)

ID 138

33. Please indicate whether you used outputs from data analyses (including maps or model outputs) to evaluate any of the following in your role in [question("value"), id="50"]. **"Use" does not necessarily mean you generated the information yourself, rather "use"could include viewing or manipulating the data yourself or using information from other documents that draw conclusions about resource conditions or impacts based on this information.**

- ☐ Carbon emissions projections
- ☐ Climate projections
- ☐ Fire behavior
- ☐ Fire risk
- ☐ Forage productivity
- ☐ Future forest structure

- ☐ Human population growth projections
- ☐ Hydrologic projections
- ☐ Recreational use projections
- ☐ Species distribution projections
- ☐ Species habitat suitability
- ☐ Species population response

- ☐ Species vulnerability projections
- ☐ Stream flow
- ☐ Timber growth
- ☐ Vegetation community composition
- ☐ Vegetation type vulnerability projections
- ☐ Other maps or model outputs (Please describe)

[   ]

Describing Plan 1 p.4

Page description:

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Roll over text **in blue** to see definitions of select terms.

PIPING Piped From Question 33. (Please indicate whether you used outputs from data analyses (including maps or model outputs) to evaluate any of the following in your role in [question("value"), id="50"]. **"Use" does not necessarily mean you generated the information yourself, rather "use"could include viewing or manipulating the data yourself or using information from other documents that draw conclusions about resource conditions or impacts based on this information.**)
You indicated that you used outputs from data analyses of [question("piped title")]. Please indicate the name, if you know it, of the software or model here.

ID 735

PIPING Piped Values From Question 33. (Please indicate whether you used outputs from data analyses (including maps or model outputs) to evaluate any of the following in your role in [question("value"), id="50"]. **"Use" does not necessarily mean you generated the information yourself, rather "use"could include viewing or manipulating the data yourself or using information from other documents that draw conclusions about resource conditions or impacts based on this information.**)

34. Of the data analyses that you did not use, which of the following do you think could have been useful for [question("value"), id="50"]? (Select all that apply)

- ☐ Carbon emissions projections
- ☐ Climate projections
- ☐ Fire behavior
- ☐ Fire risk
- ☐ Forage productivity
- ☐ Future forest structure
- ☐ Human population growth projections

- ☐ Hydrologic projections
- ☐ Recreational use projections
- ☐ Species distribution projections
- ☐ Species habitat suitability
- ☐ Species population response
- ☐ Species vulnerability projections
- ☐ Stream flow

- ☐ Timber growth
- ☐ Vegetation community composition
- ☐ Vegetation type vulnerability projections
- ☐ Other (Please describe)

  [   ]

- ☐ Other (Please describe)

  [   ]

Describing Plan 1 P. 5

Page description:

Please do not use your browser's back button (use the buttons at the bottom of the page). If you wish to finish the survey later, please hit the "save and continue survey later" option at the bottom of the page

Roll over text **in blue** to see definitions of select terms.

ID 159

PIPING Piped From Question 34. (Of the data analyses that you did not use, which of the following do you think could have been useful for [question("value"), id="50"]? (Select all that apply))

Sometimes, you would like to use data analysis outputs in planning, but various factors prevent you from doing so. You indicated that the following outputs could be useful for [question("value"), id="50"]. Thinking about [question("value"), id="50"] please indicate, for each type of data analysis output, the barriers that prevented you from using it. (Check all that apply for each row)

	Lack of quality	Lack of utility	Lack of availability	Lack of capacity	Lack of expertise

ID 177

35. Please describe any other constraints that prevented you from using additional data analysis outputs that you would like us to know about. (Optional)

ID 738

36. Which of the following most significantly informed your opinions about... (Select only one for each row)

	Personal observations	Long-term monitoring data	Data analysis products	Peer-reviewed literature	Consultation with experts
which desired resource conditions to manage towards for [question("value"), id="50"]?	○	○	○	○	○
where to implement management actions for [question("value"), id="50"]?	○	○	○	○	○
the most appropriate management actions for [question("value"), id="50"]?	○	○	○	○	○
the potential effects of management actions of [question("value"), id="50"]?	○	○	○	○	○
the cumulative effects of management actions implemented under [question("value"), id="50"]?	○	○	○	○	○

(untitled)

Page description:

LOGIC Hidden unless: Question "   &"

ID 830

37. **You have completed the questions for [question("value"), id="50"]. Would you like to complete those questions for [question("value"), id="54"]?**

   ○ Yes

   ○ No

Describing Plan 2 p.1

Page description:

ID 795

Please do not use your browser's back button (use the buttons at the bottom of the page). If you wish to finish the survey later, please hit the "save and continue survey later" option at the bottom of the page

Roll over text **in blue** to see definitions of select terms.

ID 822

38. Please indicate the agency you worked for during [question("value"), id="54"]. (Check one.)

- Bureau of Land Management
- City government agency
- County government agency
- Fish and Wildlife Service

- Forest Service
- National Park Service
- Other federal government agency
- Special district

- State government agency
- Tribal government agency

ID 823

39. Please provide the name of your unit at the time of [question("value"), id="54"] (e.g., Truckee Ranger District, Arizona Strip Field Office, USFWS Region 2 Office)

[   ]

ID 231

40. Which of the following best describes your role in the NEPA process for [question("value"), id="54"]?

- I worked for the lead or joint lead agency developing the NEPA documentation.
- I worked for a formal cooperating agency.
- I provided input to the lead agency(ies) developing NEPA documentation for this plan but did not have a formal Cooperating Agency role.

41. You said you worked for a lead agency for [question("value"), id="54"]. Which of the following best describes your role? (Check those that best apply)

☐ I was directly involved in the NEPA Process as a Planner.

☐ I was directly involved in the NEPA Process as an Interdisciplinary Team Member.

☐ I was directly involved in the NEPA Process as a Signing Officer.

☐ I was directly involved in the NEPA Process as a Appeals and Litigation Team Member.

☐ I was directly involved in the NEPA Process as an Internal Reviewer.

☐ I participated in development of one or more non-decisional plans or reports (e.g., strategic plan, resource assessment, specialist report, etc.) that relate to this plan. (Please list the type(s) of plans in the Other Plans box)

☐ I participated in development of one or more legally-required plans or reports (e.g., a Biological Assessment, Biological Opinion) that relate to this plan. (Please list the type(s) of reports in the Other Legally Required Reports box)

☐ I participated in a role other than those described above. (Please describe in the Other Lead Agency Roles Box)

Other Plans

ID 832

Other Legally Required Reports

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ID 234

Other Lead Agency Roles

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42. You said you worked for a cooperating agency. Which of the following best describes your role in [question("value"), id="54"]? (Check those that best apply).

☐ I provided input to the lead agency(ies) for this plan as an Interdisciplinary Team member.

☐ I participated in development of one or more informal plans or reports (e.g., strategic plan, resource assessment, specialist report, etc.) that relate to this plan. (Please list the type(s) of reports in the Other Reports box)

☐ I participated in development of one or more legally-required plans or reports (e.g., a Biological Assessment, Biological Opinion) that relate to this plan. (Please list the type(s) of reports in the Legally Required Reports box)

☐ I participated in a role other than those described above. (Please describe in the Other Cooperating Agency Roles box)

Other Reports

Hidden unless: Question "You said you worked for a cooperating agency. Which of the following best describes your role in [question("value"), id="54"]? (Check those that best apply)." #42 is one of the following answers ("I participated in development of one or more legally-required plans or reports (e.g., a Biological Assessment, Biological Opinion) that relate to this plan. (Please list the type(s) of reports in the Legally Required Reports box)")

ID 237

Other Legally Required Reports

Hidden unless: Question "You said you worked for a cooperating agency. Which of the following best describes your role in [question("value"), id="54"]? (Check those that best apply)." #42 is one of the following answers ("I participated in a role other than those described above. (Please describe in the Other Cooperating Agency Roles box)")

ID 238

Other Cooperating Agency Roles

ID 833

43. You said you provided input to the lead agency developing NEPA documentation for [question("value"), id="54"], but not as a member of a Cooperating Agency. Please describe your role below.

☐ I provided input to the lead agency(ies) for this plan as an Interdisciplinary Team member.

☐ I participated in development of one or more informal plans or reports (e.g., strategic plan, resource assessment, specialist report, etc.) that relate to this plan. (Please list the type(s) of reports in the Other Reports box)

☐ I participated in development of one or more legally-required plans or reports (e.g., a Biological Assessment, Biological Opinion) that relate to this plan. (Please list the type(s) of reports in the Legally Required Reports box)

☐ I participated in a role other than those described above. (Please describe in the Other Cooperating Agency Roles box)

ID 834

Other Reports

Hidden unless: Question "You said you provided input to the lead agency developing NEPA documentation for [question("value"), id="54"], but not as a member of a Cooperating Agency. Please describe your role below." #43 is one of the following answers ("I participated in development of one or more legally-required plans or reports (e.g., a Biological Assessment, Biological Opinion) that relate to this plan. (Please list the type(s) of reports in the Legally Required Reports box)")

ID 835

Other Legally Required Reports

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[                                    ]
[                                    ]
[                                    ]
[                                    ]
[                                    ]
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Hidden unless: Question "You said you provided input to the lead agency developing NEPA documentation for [question("value"), id="54"], but not as a member of a Cooperating Agency. Please describe your role below." #43 is one of the following answers ("I participated in a role other than those described above. (Please describe in the Other Cooperating Agency Roles box)")

ID 836

Other Cooperating Agency Roles

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[                                    ]
[                                    ]
[                                    ]
[                                    ]
[                                    ]
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ID 240

44. Which of the following agencies served as the lead agency for [question("value"), id="54"]? (Please check all that apply)

- ☐ U.S. Army Corps of Engineers
- ☐ U.S. Bureau of Land Management
- ☐ U.S. Bureau of Reclamation
- ☐ U.S. Federal Highway Administration
- ☐ U.S. Fish and Wildlife Service
- ☐ U.S. Forest Service
- ☐ U.S. National Park Service
- ☐ Other (please describe) [_____]

ID 241

45. Which of the following best reflects the spatial extent affected by [question("value"), id="54"]?

<1,000 acres	1,000 - 9,999 acres	10,000 - 49,999 acres	50,000 - 99,999 acres	>100,000 acres	I don't know
○	○	○	○	○	○

ID 837

46. When trying to anticipate the effects of [question("value"), id="54"], which of the following best reflects the timeframe you analyzed for project plan effects? (Please check all that apply.)

- ☐ Short (Up to 5 years)

- ☐ Moderate (Up to 20 years)

- ☐ Long (Up to 50 years)

- ☐ Very Long (More than 50 years)

- ☐ I don't know

- ☐ None of the above, I was not involved in the analysis

ID 244

47. Which of the following types of analysis was [question("value"), id="54"]? (Please check only one.)

- ○ Programmatic Environmental Impact Statement

- ○ Environmental Impact Statement

- ○ Environmental Assessment

ID 243

48. Which of the following <u>best</u> describes [question("value"), id="54"]? (Please check only one.)

- ○ Programmatic Plan

- ○ Land or Multi-resource Management Plan

- ○ Implementation Plan

- ○ Project Plan

- ○ Permit or Permit Renewal

- ○ Other (please enter in Comments below)

Comments

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49. Please identify up to three primary management objectives of [question("value"), id="54"]. (Check up to three.)

- ☐ Land use allocation
- ☐ Establishment of standards and/or guidelines
- ☐ Estate management (i.e., lands and realty)
- ☐ Minerals management
- ☐ Minerals production
- ☐ Energy production (fossil fuels; e.g., oil, gas, coal, oil shale)
- ☐ Energy production (renewables; e.g., wind, solar, geothermal, hydro)
- ☐ Livestock management
- ☐ Wild horse and burro management
- ☐ Vegetation management (range)
- ☐ Vegetation management (fuels)
- ☐ Vegetation management (timber)
- ☐ Vegetation management (invasive plants)
- ☐ Vegetation management (special status plants)
- ☐ Fire management
- ☐ Habitat improvement/restoration
- ☐ Fish and/or wildlife management
- ☐ Water management
- ☐ Cultural resource management
- ☐ Travel management
- ☐ Recreation management
- ☐ Mitigation
- ☐ Other (Please describe)

[_____]

50. Please identify up to three resources you expected to be potentially affected by [question("value"), id="54"]. (Check up to three.)

- ☐ Air
- ☐ Cultural/Historical
- ☐ Fish and/or Wildlife
- ☐ Fossil Fuels
- ☐ Minerals/Geology
- ☐ Paleontological
- ☐ Recreational
- ☐ Soils
- ☐ Vegetation
- ☐ Visual/Scenic
- ☐ Water
- ☐ Other (Please describe)

[_____]

ID 247

Please select all vegetation types that apply.

- ☐ Forest

- ☐ Grassland

- ☐ Riparian

- ☐ Scrubland

- ☐ Shrubland

- ☐ Wetland

- ☐ Woodland

ID 676

Which of the following best describes the fish and/or wildlife species affected [question("value"), id="54"]? (Check all that apply)

- ☐ Game

- ☐ Non-game

- ☐ Special status (e.g., Candidate under ESA, Sensitive Species)

- ☐ Threatened or Endangered (based on the Endangered Species Act)

ID 249

Which of the following best describes the types of water bodies affected [question("value"), id="54"]? (Select all that apply)

☐ Artificial water catchment(s)

☐ Groundwater

☐ Lake(s)

☐ Reservoir(s)

☐ Seep(s) or spring(s)

☐ Stream(s)

ID 796

51. Did you analyze effects of proposed alternatives for [question("value"), id="54"] on climate change as indicated by their greenhouse gas emissions?

○ Yes, I was involved in the analysis and analyzed these effects.

○ No, I was involved in the analysis but did not analyze these effects

○ No, I was not involved in the analysis.

○ I don't know

ID 250

52. Did you analyze the implications of climate change for the environmental effects of proposed alternatives for [question("value"), id="54"]?

- ○ Yes, I was involved in the analysis and analyzed these effects.

- ○ No, I was involved in the analysis but did not analyze these effects.

- ○ No, I was not involved in the analysis.

- ○ I don't know

Describing Plan 2 p.2

Page entry logic:
This page will show when: (Question "   &" AND Question "Please identify <u>up to three</u> resources you expected to be potentially affected by [question("value"), id="54"]. (Check up to three.)" #50)

Page description:

ID 797

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Roll over text **in blue** to see definitions of select terms.

ID 252

Over the next 25 years, how significantly do you think projected warming temperatures and decreases in water availability associated with climate change will affect the desired resource conditions [question("value"), id="54"] was intended to achieve for [question("piped title")]?

Not very significantly	Somewhat significantly	Very significantly	I don't know
○	○	○	○

(untitled)

Page entry logic:
This page will show when: (Question "　&" AND Question "**You have completed the questions for [question("value"), id="50"]. Would you like to complete those questions for [question("value"), id="54"]?**" #37 is one of the following answers ("Yes"))

Page description:

ID 838

The next few questions ask you about situations which might have surrounded the NEPA process you are describing. We are trying to understand the range of contexts in which decision-making occurs. Here we are particularly interested in the ways in which potential constraints affected the decision-making process and the decisions that were ultimately made.

(untitled)

Page entry logic:
This page will show when: (Question "　&" AND Question "**You have completed the questions for [question("value"), id="50"]. Would you like to complete those questions for [question("value"), id="54"]?**" #37 is one of the following answers ("Yes"))

Page description:

53. Regarding your use of scientific information in the NEPA process for [question("value"), id="54"]...

	Yes	No	I don't know
You felt you had adequate scientific information	○	○	○
You had adequate time to assess the relevant scientific information	○	○	○

54. When reflecting on the final determination for [question("value"), id="54"] directly after it was made, you thought...

	Yes	No	I don't know
A different determination would have better achieved desired resource conditions.	○	○	○
The final determination sufficiently addressed anticipated climate change impacts.	○	○	○
The scientific evidence was sufficient to support the final determination.	○	○	○

55. The final determination for [question("value"), id="54"]...

	Yes	No	I don't know
was appealed or protested	○	○	○
differed markedly from those made for similar plans by the <u>lead agency</u> in the past	○	○	○
differed markedly from those made for similar plans by <u>any agency</u> in the past	○	○	○
required revising existing plans from which [question("value"), id="54"] was tiered	○	○	○

ID 267

56. Please indicate how significantly you felt that the following types of constraints influenced the final determination.

	Not very significantly	Somewhat significantly	Very significantly	I don't know
Institutional/legal (e.g., lack of regional/national policy support, need to revise existing laws or plans)	○	○	○	○
Socio-political (e.g., lack of political or public acceptance)	○	○	○	○
Economic (e.g., perceived positive or negative economic impacts on stakeholders)	○	○	○	○
Informational (e.g., lack of information at appropriate scales, uncertainty surrounding potential impacts of plan alternatives)	○	○	○	○
Financial (e.g., lack of budgetary resources for implementation)	○	○	○	○

(untitled)

Page description:

ID 732

The next few questions ask you about scientific information, including types of technical climate information, data analyses (e.g, maps, or model outputs) that you might have used in your role with the NEPA process you are describing. Please note that we are asking about your personal use of scientific information and not how it was used generally.

(untitled)

Page description:

LOGIC Show/hide trigger exists.

ID 815

57. Do you think that information about climate and/or climate change is relevant for [question("value"), id="54"]

   ○ Yes   ○ No

LOGIC Hidden unless: Question "Do you think that information about climate and/or climate change is relevant for [question("value"), id="54"]" #57 is one of the following answers ("Yes")

ID 273

58. For each statement, please indicate whether you used information about the following for [question("value"), id="54"] either as raw data or as synthesized products (scientific publications or technical reports)...

	Yes	No	I don't know
Historical weather observations	○	○	○
Interpolated surfaces of historical climate data (e.g., PRISM)	○	○	○
Summaries of current climate conditions (drought indices or climate anomaly maps)	○	○	○
Monthly or seasonal outlooks	○	○	○
Long-term (> 10 years out) projections of climate averages	○	○	○
Long-term (> 10 years out) projections of climate extremes	○	○	○

Describing Plan 2 p.3

Page description:

ID 798

Please do not use your browser's back button (use the buttons at the bottom of the page). If you wish to finish the survey later, please hit the "save and continue survey later" option at the bottom of the page

Roll over text **in blue** to see definitions of select terms.

ID 280

59. How useful was this information? For this question, "useful" means that it was helpful or beneficial to enhancing or completing the [question("value"), id="54"].

	Not very useful	Somewhat useful	Very useful
Historical weather observations	○	○	○
Interpolated surfaces of historical climate data (e.g., PRISM)	○	○	○
Summaries of current climate conditions (drought indices or climate anomaly maps)	○	○	○
Monthly or seasonal outlooks	○	○	○
Long-term (> 10 years out) projections of climate averages	○	○	○
Long-term (> 10 years out) projections of climate extremes	○	○	○

60. Sometimes, you would like to use technical climate information in planning, but various factors prevent you from doing so. Thinking about [question("value"), id="54"], please indicate, for each type of information, the barriers that prevented you from using it. (Check all that apply for each row.)

	Lack of quality	Lack of utility	Lack of availability	Lack of capacity	Lack of expertise
Historical weather observations	☐	☐	☐	☐	☐
Interpolated surfaces of historical climate data (e.g., PRISM)	☐	☐	☐	☐	☐
Summaries of current climate conditions (drought indices or climate anomaly maps)	☐	☐	☐	☐	☐
Monthly or seasonal outlooks	☐	☐	☐	☐	☐
Long-term (> 10 years out) projections of climate averages	☐	☐	☐	☐	☐
Long-term (> 10 years out) projections of climate extremes	☐	☐	☐	☐	☐

61. Please describe any other constraints on your ability to use climate information that you would like us to know about. (Optional)

ID 295

62. Please indicate whether you used outputs from data analyses (including maps or model outputs) to evaluate any of the following in your role in [question("value"), id="54"]. **"Use" does not necessarily mean you generated the information yourself, rather "use"could include viewing or manipulating the data yourself or using information from other documents that draw conclusions about resource conditions or impacts based on this information.**

- ☐ Carbon emissions projections
- ☐ Climate projections
- ☐ Fire behavior
- ☐ Fire risk
- ☐ Forage productivity
- ☐ Future forest structure

- ☐ Human population growth projections
- ☐ Hydrologic projections
- ☐ Recreational use projections
- ☐ Species distribution projections
- ☐ Species habitat suitability
- ☐ Species population response

- ☐ Species vulnerability projections
- ☐ Stream flow
- ☐ Timber growth
- ☐ Vegetation community composition
- ☐ Vegetation type vulnerability projections
- ☐ Other maps or model outputs (Please describe)

  [   ]

Describing Plan 2 p.4

Page entry logic:
This page will show when: (Question "   &" AND Question "**You have completed the questions for [question("value"), id="50"]. Would you like to complete those questions for [question("value"), id="54"]?**" #37 is one of the following answers ("Yes"))
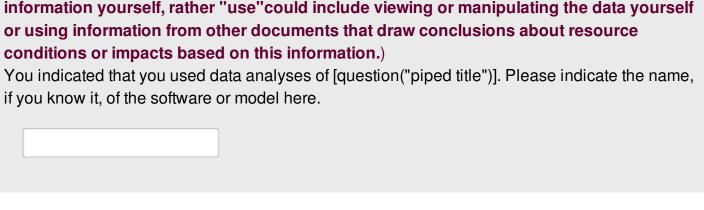
Page description:

Please do not use your browser's back button (use the buttons at the bottom of the page). If you wish to finish the survey later, please hit the "save and continue survey later" option at the bottom of the page

Roll over text **in blue** to see definitions of select terms.

ID 296

PIPING Piped From Question 62. (Please indicate whether you used outputs from data analyses (including maps or model outputs) to evaluate any of the following in your role in [question("value"), id="54"]. **"Use" does not necessarily mean you generated the information yourself, rather "use"could include viewing or manipulating the data yourself or using information from other documents that draw conclusions about resource conditions or impacts based on this information.**)
You indicated that you used data analyses of [question("piped title")]. Please indicate the name, if you know it, of the software or model here.

ID 766

(Please indicate whether you used outputs from data analyses (including maps or model outputs) to evaluate any of the following in your role in [question("value"), id="54"]. **"Use" does not necessarily mean you generated the information yourself, rather "use" could include viewing or manipulating the data yourself or using information from other documents that draw conclusions about resource conditions or impacts based on this information.**)

63. Of the data analyses that you did not use, which of the following do you think could have been useful for [question("value"), id="54"]? (Select all that apply)

☐ Forage productivity   ☐ Timber growth   ☐ Hydrologic projections

☐ Fire behavior   ☐ Future forest structure   ☐ Climate projections

☐ Fire risk   ☐ Human population growth projections   ☐ Carbon emissions projections

☐ Species habitat suitability

☐ Species population response   ☐ Recreational use projections   ☐ Other (Please describe)

[   ]

☐ Vegetation community composition   ☐ Species distribution projections   ☐ Other (Please describe)

[   ]

☐ Stream flow   ☐ Species vulnerability projections

☐ Vegetation type vulnerability projections

Describing Plan 2 p.5

Page entry logic:
This page will show when: (Question "   &" AND Question "**You have completed the questions for [question("value"), id="50"]. Would you like to complete those questions for [question("value"), id="54"]?**" #37 is one of the following answers ("Yes"))

Page description:

ID 297

PIPING Piped From Question 63. (Of the data analyses that you did not use, which of the following do you think could have been useful for [question("value"), id="54"]? (Select all that apply))

Sometimes, you would like to use data analysis outputs in planning, but various factors prevent you from doing so. You indicated that the following outputs could be useful for [question("value"), id="54"]. Thinking about [question("value"), please indicate, for each type of data analysis outputs, the barriers that prevented you from using it. (Check all that apply for each row)

	Lack of quality	Lack of utility	Lack of availability	Lack of capacity	Lack of expertise

ID 315

64. Please describe any other constraints that prevented you from using additional data analysis outputs that you would like us to know about. (Optional)

ID 754

65. Which of the following most significantly informed your opinion about... (Select only one for each row)

	Personal observations	Long-term monitoring data	Data analysis products	Peer-reviewed literature	Consultation with experts
which desired resource conditions to manage towards for [question("value"), id="54"]?	○	○	○	○	○
where to implement management actions for [question("value"), id="54"]?	○	○	○	○	○
the most appropriate management actions for [question("value"), id="54"]?	○	○	○	○	○
the potential effects of management actions of [question("value"), id="54"]?	○	○	○	○	○
the cumulative effects of management actions implemented under [question("value"), id="54"]?	○	○	○	○	○

(untitled)

Page description:

🆔 819

Are you sure?

You left both projects blank. If you leave these blank, you will skip the decision-specific section of the survey. If you wish to return to this section, please use the back button at the bottom of your screen.

(untitled)

ID 811

Almost done! Just a few more questions. We really appreciate your time.

The next few questions ask you about your current job and your employment background. We are trying to understand how different experiences and jobs affect the way people approach decision-making. When a question asks about levels of government, it means federal, state, county, tribal, or special district.

Please do not use your browser's back button (use the buttons at the bottom of the page). If you wish to finish the survey later, please hit the "save and continue survey later" option at the bottom of the page

Roll over text **in blue** to see definitions of select terms.

(untitled)

ID 193

66. When you have recently met someone in a social (non-work) situation and they ask you what you do for a living, what do you tell them? (Fill in the blank with a brief title or phrase.)

ID 719

67. Indicate how well each statement describes your current job. Please select a single response for each statement.

	Very Poorly	Somewhat Poorly	Neutral	Somewhat Well	Very Well
I am a government employee who works as a resource specialist.	○	○	○	○	○
I am a government employee who is a scientist by training.	○	○	○	○	○
I am a government employee who works as a planner.	○	○	○	○	○
I am a planner who works for the government.	○	○	○	○	○
I am a planner who works as a resource specialist.	○	○	○	○	○
I am a planner who is a scientist by training.	○	○	○	○	○
I am a resource specialist who works for the government.	○	○	○	○	○
I am a resource specialist who works as a planner.	○	○	○	○	○
I am a resource specialist who is a scientist by training.	○	○	○	○	○
I am a scientist who works for the government.	○	○	○	○	○
I am a scientist who works as a planner.	○	○	○	○	○
I am a scientist who works as a resource specialist.	○	○	○	○	○

ID 726

68. If you had to sum up your career thus far in one phrase, which would it be?

- ○ Government employee

- ○ Resource specialist

- ○ Scientist

- ○ Planner

- ○ Other

ID 727

Please describe

ID 207

69. How many years have you worked...

	<1 year	1-5 years	6-10 years	11-15 years	16-20 years	20+ years
In your current position?	○	○	○	○	○	○
For your current agency? (Include years spent in a different position in your current agency).	○	○	○	○	○	○
For any government agency at the same level of government (e.g., city, county, state, federal, tribal) as you are currently? (Include years spent at your current agency)	○	○	○	○	○	○
For a government agency at a different level of government (e.g., city, county, state, federal, tribal)?	○	○	○	○	○	○
In a natural resources or environment-related field in any capacity? (Include years spent at your current agency)	○	○	○	○	○	○

ID 213

70. Have you ever worked in a natural resources or environment-related job in the private sector (e.g., consulting) or the non-profit sector (e.g., for a non-governmental organization)?

Yes	No
○	○

(untitled)

Page entry logic:
This page will show when: Question "Have you ever worked in a natural resources or environment-related job in the private sector (e.g., consulting) or the non-profit sector (e.g., for a non-governmental organization)?" #70 is one of the following answers ("Yes")

Page description:

ID 810

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ID 214

71. How many years did you work in a natural resources or environment-related job...

	<1 year	1-5 years	6-10 years	11-15 years	16-20 years	20+ years	Not Applicable
In the private sector?	○	○	○	○	○	○	○
For a non-profit organization?	○	○	○	○	○	○	○

LOGIC Hidden unless: Question "In the private sector?" is one of the following answers ("<1 year","1-5 years","6-10 years","11-15 years","16-20 years","20+ years")

ID 218

72. Please select the statement the best describes your work in the private sector.(Check one.)
I worked in a natural resources or enivronment-related field in the private sector . . .

○ before working for government

○ after working for government.

○ between government jobs. (I moved between the private sector and government at least once.)

ID 219

73. Please select the statement the best describes your work for non-profit organization(s). (Check one.)

I worked in a natural resources or environment-related job for non-profit organization(s). . .

- ○ <u>before</u> working for the government.

- ○ <u>after</u> working for government.

- ○ <u>between</u> government jobs. (I moved between the non-profit sector and government at least once.)

(untitled)

ID 220

74. For each of the following fields, please indicate your level of training in each field. (Check all that apply for each row/field).

	I took coursework in this field in post-secondary education (e.g., college, master's program)	I have a degree in this field from post-secondary education	I have gained specialized skills in this field on the job
Botany	☐	☐	☐
Ecology	☐	☐	☐
Fire	☐	☐	☐
Fisheries	☐	☐	☐
Forestry	☐	☐	☐
Hydrology	☐	☐	☐
Planning	☐	☐	☐
Range	☐	☐	☐
Recreation	☐	☐	☐
Soils	☐	☐	☐
Wildlife	☐	☐	☐

ID 846

75. Do you have another colleague that would be interested in participating in this survey? If so, please provide their email address below. This question is not required and their participation is entirely voluntary.

   If you wish, you may include a brief introductory message that will be forwarded to the person you have recommended. Your identity will otherwise remain unknown the colleague you have recommended.

[   ]

Comments

[   ]

Alternate Thank You

Page entry logic:
This page will show when: Question "Do you wish to participate in the survey?" #2 is one of the following answers ("No, I do not wish to participate in the survey.")

Page description:

ID 669

Thank you for your time and consideration.

Alternate thank you 2

Page entry logic:
This page will show when: Question "Do you work for a **public natural resource management agency**?" #1 is one of the following answers ("No")

Page description:

817

Thank you for your willingness to participate. At this time, we are restricting our survey to public natural resource officials. We hope to expand this work in the future and will note your willingness to participate. Thank you and we look forward to working with you in the future.

Thank You!

Page description:

1

Thank you for taking our survey. We recognize how valuable your time is and greatly appreciate your willingness to share your insights with us. The Southwest Climate Science Center seeks to be an important partner in natural resource management throughout the region. Your responses are a vital component of helping us achieve that goal. Again, many thanks!!