



U.S. Global Change
Research Program

Fourth National Climate Assessment, Vol II — Impacts, Risks, and Adaptation in the United States

nca2018.globalchange.gov

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Chapter Lead and former NCA4 Federal Steering
Committee Member



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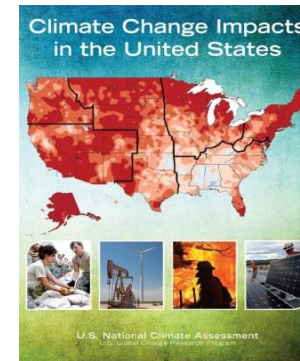
- USGCRP began as a Presidential Initiative in 1989
- Mandated by Congress in the Global Change Research Act of 1990 (P.L. 101-606), “to assist the Nation and the world to **understand, assess, predict, and respond** to human-induced and natural processes of global change”



NCA1



NCA2



NCA3



National Climate Assessment/ USGCRP Products prior to NCA4

NATIVE PEOPLES-NATIVE HOMELANDS CLIMATE CHANGE WORKSHOP

- Final Report -
Nancy G. Maynard, Editor

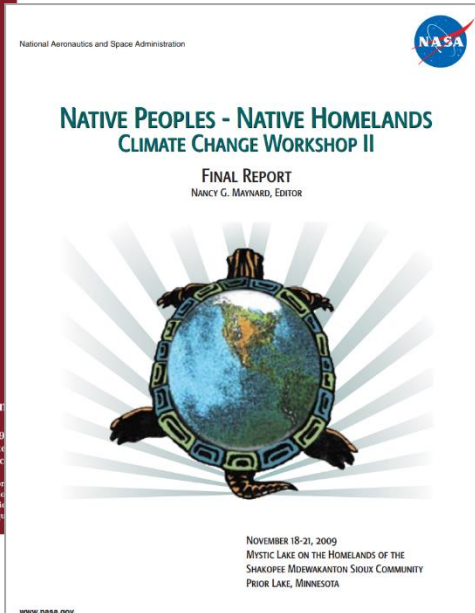
CIRCLES OF WISDOM



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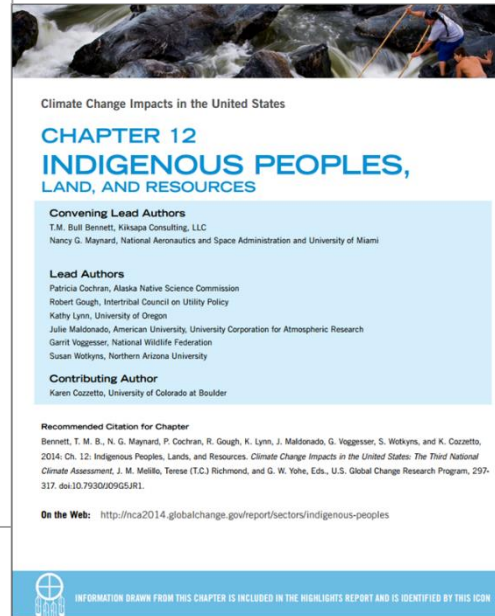
OCTOBER 28 - NOVEMBER 1, 199
Albuquerque Convention Center
Albuquerque, New Mexico

Sponsor:
The National Aeronautics and Space Administration
American Indian Chamber of Commerce of New Mexico
City of Albuquerque



NOVEMBER 18-21, 2009
MYSTIC LAKE ON THE HOMELANDS OF THE
SHAKOPEE MOWAKANTON SIOUX COMMUNITY
PRIOR LAKE, MINNESOTA

www.nasa.gov



Climate Change Impacts in the United States

CHAPTER 12 INDIGENOUS PEOPLES, LAND, AND RESOURCES

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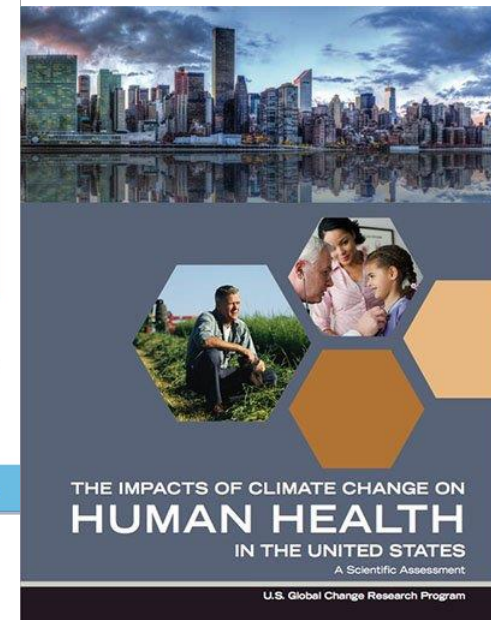
Recommended Citation for Chapter

Bennett, T. M. B., N. G. Maynard, P. Cochran, R. Gough, K. Lynn, J. Maldonado, G. Voggeser, S. Wotkyns, and K. Cozzetto, 2014: Ch. 12: Indigenous Peoples, Lands, and Resources, *Climate Change Impacts in the United States: The Third National Climate Assessment*, J. M. Melillo, Terese (T.C.) Richmond, and G. W. Yohe, Eds., U.S. Global Change Research Program, 297-317. doi:10.7930/JN0905JRI.

On the Web: <http://nca2014.globalchange.gov/report/sectors/indigenous-peoples>



INFORMATION DRAWN FROM THIS CHAPTER IS INCLUDED IN THE HIGHLIGHTS REPORT AND IS IDENTIFIED BY THIS ICON



THE IMPACTS OF CLIMATE CHANGE ON HUMAN HEALTH IN THE UNITED STATES

A Scientific Assessment

U.S. Global Change Research Program

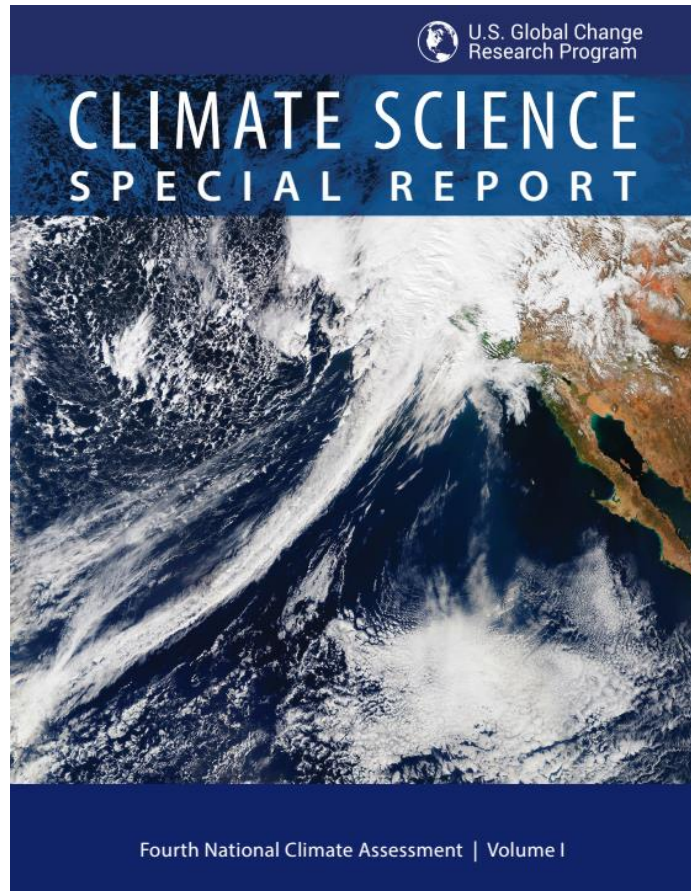
To download PDFs of these documents, please go to:

- <https://downloads.globalchange.gov/nca/nca1/native.pdf>
- <http://neptune.gsfc.nasa.gov/csb/index.php?section=278>
- nca2014.globalchange.gov
- health2016.globalchange.gov

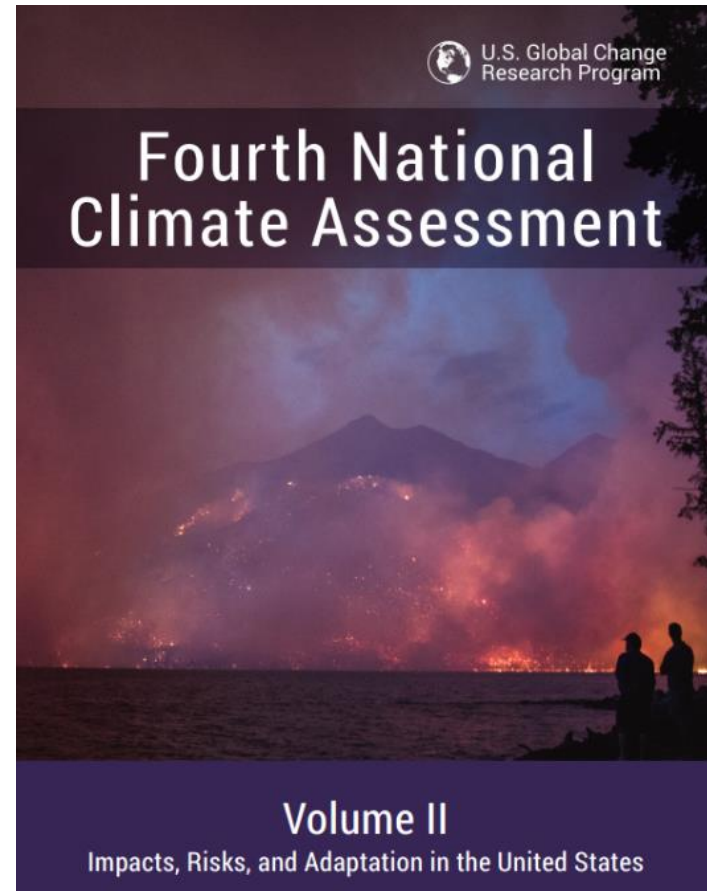


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Vol. 1



Vol. 2



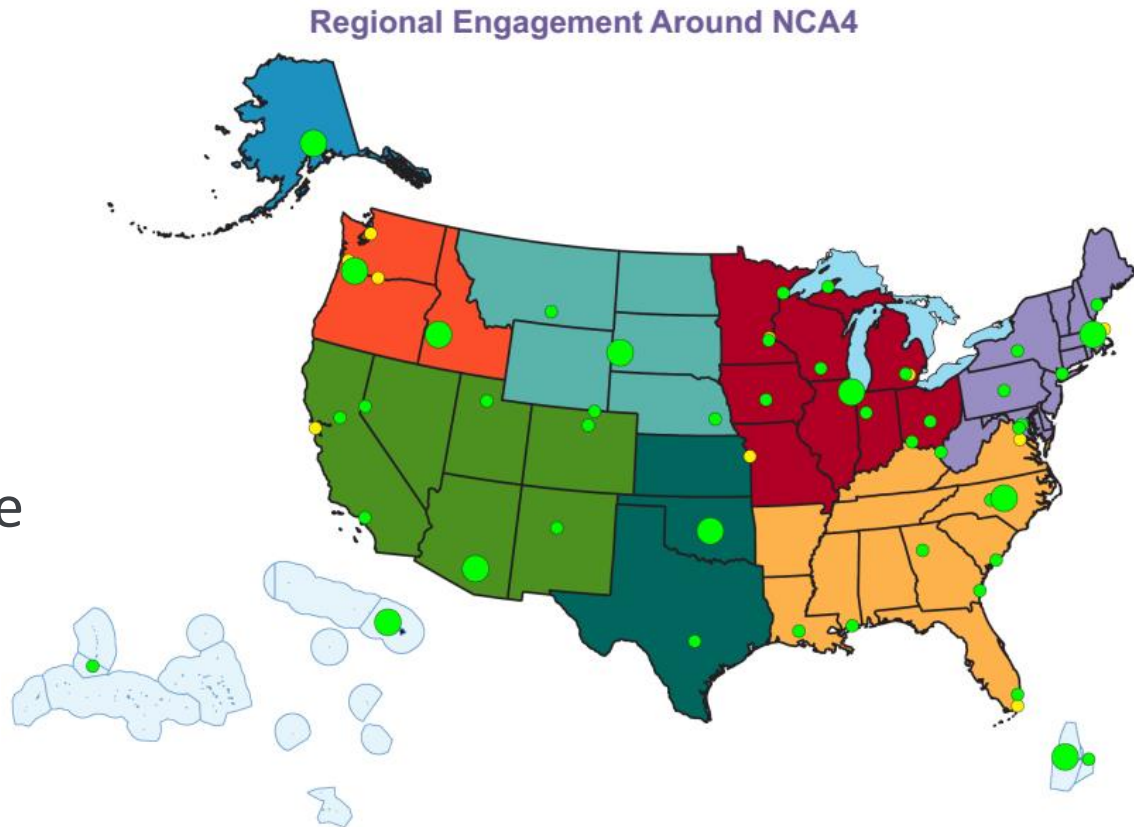
Development Process and Input Gathered

- More than 300 federal and nonfederal experts participated
- Public Request for Information, summer 2016
- Call for technical input, 2016-2017
- Regional Engagement workshops, winter/spring 2017
- Data tools and scenario products; guidance compiled by USGCRP
- Public comment on draft report; review editor process
- Peer review by committee of the National Academies of Sciences, Engineering, and Medicine



Tribal and Indigenous Engagement

- Mini-grants for community meetings, fall 2016
- Travel support to Regional Engagement Workshops
- Meeting and conference outreach
- Webinars, listserves



NCA4 Chapters

I: Overview

II: Our Changing Climate

III: National Overviews

- Water
- Energy
- Land Cover and Land Use Change
- Forests
- Ecosystems, Ecosystem Services, and Biodiversity
- Coastal Effects
- Oceans and Marine Resources
- Agriculture and Rural Communities
- Built Environment, Urban Systems, and Cities
- Transportation
- Air Quality **NEW!**
- Human Health
- **Tribal and Indigenous Communities**
- Climate Effects on U.S. International Interests **NEW!**
- Sectoral Interdependencies & Compounding Stressors: The Science of Complex Systems **NEW!**

IV: Regional Chapters

- Northeast
- Southeast
- US Caribbean **NEW!**
- Midwest
- Northern Great Plains
- Southern Great Plains
- Northwest
- Southwest
- Alaska
- Hawai`i and Pacific Islands

EXPANDED!

V: Response

- Near-term Adaptation Needs and Increased Resiliency
- Mitigation: Avoiding and Reducing Long-term Risks



Cross-Chapter Collaboration

- Tribal/indigenous climate impacts occur in all regional chapters
- Key sectors that relate to tribal/indigenous climate vulnerabilities:



Issues related to economic and cultural dependencies on:

- Agriculture
- Water
- Energy
- Forests / Ecosystems
- Coastal / Oceans & Marine Resources

Issues related to access and adaptive capacity (disparities):

- Built Environment
- Transportation
- Health

Tribal responses to climate risk:

- Adaptation
- Clean energy and other mitigation projects

