

Workshop to Explore
Opportunities to Integrate the
State Wildlife Action Plans
into Improved Wetland
Conservation and
Restoration

July 17, 2007



“If it ain’t in the Plan, it
ain’t.



- Please reach out to the FWS.
- I'll set it up, or give you a contact.
- Dave_stout@fws.gov



For the first time in our history,
we cannot rely on the past to
guide how we should manage
for our future.

What can we do to prepare
and adapt?



What can we say?

- IPCC report is endorsed by the President and the Secretary
- DOI Secretarial Order 3226 on Climate Change
- Lynn Scarlett testimony
- DOI Climate Change presentation
- IPCC presentation (Virginia Burkett)
- If USGS says it, we can too.
- FWS/USGS Polar Bear presentation


CLIMATE CHANGE

Overview of Science,
Policy, & Issues

April 13, 2007



DOI Overview

- IPCC WORKING GROUP I SUMMARY FOR POLICY MAKERS
 - Most of the observed increase in globally averaged temperatures since the mid-20th century is very likely due to the observed increase in anthropogenic greenhouse gas concentrations.
 - For the next 2 decades a warming of about 0.2°C per decade is projected.
 - Projected globally averaged surface warming temperature change and sea-level rise at the end of the 21st century ranges from 1.8–4°C (Best Estimate) and 0.18 – 0.59 meters, respectively.
 - Anthropogenic warming and sea-level rise would continue for centuries due to the time scales associated with the climate processes and feedbacks, even if greenhouse gas concentrations were to be stabilized.
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Climate Change 2007: IPCC Fourth Assessment Report

Highlights:
Working Group 1, The Physical Science
Working Group 2, Impacts, Adaptation
and Vulnerability

Virginia Burk
April 18, 2007

Observed changes:

- Ocean T has increased to depths of at least 3000
- Global sea level rise
 - 1.7 mm/yr during 20th century
 - 3.1 mm/yr during 1993-2003 (acceleration or natural variability?)
 - high confidence that rate of rise increased during the 20th century (no attribution)
- Arctic T increased at 2X global average
- Summer Arctic sea ice has shrunk at 7.4% per decade since 1978
- Mountain glaciers declined in both hemispheres
- Trend towards less snow at low altitudes





Polar Bear Status Assessment Review: Proposed Rule to List as a Threatened Species



- **Secretarial Order on Climate Change**
- **SIGNATURE DATE:** January 19, 2001
- **Subject:** Evaluating Climate Change Impacts in Management Planning
- **Sec. 1 Purpose.** There is a consensus in the international community that global climate change is occurring and that it should be addressed in governmental decision making. This Order ensures that climate change impacts are taken into account in connection with Departmental planning and decision making.
- **Sec. 3 Bureau and Office Responsibilities.** Each bureau and office of the Department will consider and analyze potential climate change impacts when undertaking long-range planning exercises, when setting priorities for scientific research and investigations, when developing multi-year management plans, and/or when making major decisions regarding the potential utilization of resources under the Department's purview.



What is DOI Doing?

- Secretary formed a Climate Change Committee
- Secretary wants to make a difference in his short tenure
- Every bureau represented
- Options due to the Secretary in October
- Policies, legislation, guidance, initiatives



What is the Service Doing?

- Alaska CC Forum
- FWS CC Workgroup
- Survey of employees
- Many good but uncoordinated activities



- Federal District Court Decides That Fish And Wildlife Service Violated Endangered Species Act By Failing To Address Climate Change During Section 7 Consultation



What can YOU do?

- Educate yourself and others
- Reduce your carbon footprint
- Read, read, read
- You can start here:



DHRC Climate Change Website

- <http://www.fws.gov/habitatconservation/>

