

NMFWA Climate Change Working Group Meeting
24 March 2010
Milwaukee, WI

Interim Chairs:
Laura Muhs, NAVFAC HQ
Dawn Lawson, NAVFAC SW

1. Background
 - a. What does climate change mean to the DoD?
 - b. NMFWA Board approved formation of a Climate Change Working Group
 - c. Needs a charter; draft handed out, needs to get approved in the next 6 months
 - d. Sign in sheet
 - e. Laura Muhs' vision: How can WG facilitate work being done at local level and come up with new ideas and issues? Sea-level rise is not the only impact resulting from climate change – need to consider the full range of impacts at all DoD installations.
 - f. Dawn Lawson's vision: Climate change needs to be addressed in INRMPS (NAVFAC SW has 18 INRMPS in progress). How do we make adaptive management in the context of climate change practical? Collaboration needs to occur regionally across base boundaries. WG can come up with ideas to get information from the installation up and get direction for INRMPS. Regional evaluations are the only way to do vulnerability assessments.
2. Army Environmental Research & Development Center (ERDC) - Leverage climate change research currently underway at ERDC. How does climate change apply to installations and land managers?
3. Talk about collaborations and partnership
4. FWS Landscape Conservation Cooperatives (LCCs) – How do we integrate climate change into DoD NR management in the context of LCCs?
5. This is not a policy making body
6. How do we integrate climate change into INRMPS?
 - a. Get Fish and Wildlife Service involved
 - b. Work with Services and exchange ideas
 - c. Meet with FWS at NMFWA next year to discuss updates
7. DoD- consistent approach
8. In a world of limited resources, how do we align natural resource management practices and Public Works functions (e.g. construction and design) to address climate change?
9. What is the environmental impact of public works department projects, especially with the new energy initiative?
10. Rich Fischer (ERDC): research project SERDEP- looking at coastal bases and sea level rise- looking at storm frequency and different scenarios, this working group can help develop future projects (currently 5 projects right now)

11. Laura Muhs (NAVFAC HQ): Research is important- WG can serve as a clearing house of information to provide to the field.
12. Hal Balbach (ERDC): Carbon management, energy- How will this constrain NR programs? If Services are asked to follow legislative directives, identify areas where installations will have to change what they are currently doing.
13. Sharon Geil (AF): concerned about how to meet DoDI metrics, increasing adaptability
14. Focus on strategies to adapting to climate change for wildlife/ecosystem management
15. Christy Wolf (NAVFAC SW): Look at big picture and how will changes affect the installations?
16. Rick Lance (ERDC): Potential effects on pollinators?
17. David McNaughton (State of PA): He will provide website support. Consider geologic time-scale problems and adapt them to current needs.
18. Philip Cox (Army): learn from group
19. Oswaldo Cuevas (Army): works on sustainability, interested in learning more
20. Ryan Orndorff (MCHQ): focus on gathering information, initiatives; don't duplicate national strategy- we should be a partner with FWS (lead agency), draft coming out in 2010, final strategy due in 2012; DoD needs to play part in national effort
21. Erica Evans (BAH): How should climate change be addressed in NEPA documents?
22. Karen Stackpole (HDR): ideas on paper, see implementation
23. Amanda Peyton (HDR): Partner with DOD, what is a realistic given budget?; How can we do something?
24. Cheryl Schmidt (HDR): support species with constricted habitats; what is happening globally? (we think about direct effects, but we need to think at a global level)
25. Michael Wright (NAVFAC MidLant): WG is a conduit for information among DOD; WG can be a part of the national infrastructure, be a liaison to provide information from installation up to higher levels; how will we manage/separate natural events from man-made?; scale?; how are regulators going to react to declines in populations- we shouldn't be penalized, if it isn't clear that it is due to mismanagement; how do we educate others on climate change (e.g. planners at installations)
26. Robert Wolf (Tierra Data): supports NAVFAC SW, preparing 8-9 INRMPS, interested in how climate change will fall into planning process, works on surveys on coastal bases in CA so see how sea-level rise will effect Navy and how Navy will respond
27. Peter Boice (OSD): Conduit to OSD, looking for feedback to bring back to top level, January 2010 Natural Selections focused on climate change, wants to know what influences natural resources, as well as international issues, energy, and military mission.
28. Bob Schallman (NAVFAC SW): long term planning, getting operations and planning people on board, sea-bird liaison for PIF so source of information to DOD bases with shorebirds
29. Arlene Arnold (NAVFAC SW): How will climate change effect migrations of migratory birds? Carbon sequestering?
30. Tammy (CNIC): wants to know if there is an INRMP with a climate change model from the other services; creating new energy uses at DOD installations; energy projects will effect NR issues and will affect the mission because it puts constraints on the lands; footprint of new technology is getting bigger and bases are not getting any bigger

- a. Michael Wright (NAVFAC MidLant): geothermal projects are getting approved but no data on the effects- heating and cooling of soil over time, what will the effects be?
 - b. Sharon: AFB built wind turbine interferes with frequencies and ratio controller can't see planes
31. Tammy Conkle (CNIC): David McNaughton (State of PA) can put information up on the website, can be password protected.
32. Dawn Lawson (NAVFAC SW): Find vulnerability assessment of the desert tortoise - put links on website.
33. Assisted migration and invasive species – issues/ threats differ by region; LCC framework may be best approach for managing these issues.
34. Regional vulnerability assessment - already work that has been done that we need to tap into and need to work with others to develop them on a regional level
35. Very preliminary research exists on climate change; focus on LCCs and working on regional collaboration.
36. Need to get commands on board with climate change, talk in the context of the climate at the local level and how it will effect management of listed species.
37. Laura Muhs (NAVFAC HQ): Can we build in an internal chatroom to post questions? [David McNaughton (State of PA): We would need to password protect it.]
38. Allison Dalsimer (BAH): Action is needed, but don't have specific data in place. No one knows what the political landscape is going to be in the next few years but right now administration is on board so get funding now, and put management tools in place now.
39. Dawn Lawson (NAVFAC SW): Focus on science and not politics, actual data and not models.
40. Nominate WG Chair, Co-Chair, and Secretary before the next NMFWA annual meeting.