



WATER RESOURCES MANAGEMENT FOR LINE AND STAFF OFFICERS

*Best Western Inn of Sedona
Sedona, Arizona
February 27 – March 2, 2012*

MONDAY, February 27, 2012

- 5:00 PM** **Registration & No Host Social**
- *Agave Conference Center, adjacent to hotel*
- *Hors d'oeuvres and no-host beverages*
- 5:30 PM** **Welcome - Earl Stewart, Forest Supervisor, Coconino NF**
- 5:40 PM** **Introduction of Cadre & Participants**
- *Overview and Course Objectives – Dan Cenderelli, STREAM Team*
- 6:00 PM** **Presentation –National Water Issues**
- *National Director, Watershed, Fish, Wildlife, Air & Rare Plants -
Anne Zimmermann*
- 7:00 PM** **Questions and Closeout**

TUESDAY, February 28, 2012

UNIT # 1 WATER: ITS GLOBAL AND NATIONAL IMPORTANCE

UNIT LEADER – Kent Evans

OBJECTIVES:

Participants will understand:

- *How important water is in a global and National context.*
- *How other countries are balancing the water needs of ecosystems with the needs of people*
- *What to expect in the future relative to water*
- *The effect of climate change on water resources and how managers will need to react to it*
- *Issues surrounding whether water is a public trust or a market commodity produced by the National Forests*

**8:00 AM The Importance of Water, a Global Perspective
Sandra Postel, Global Water Policy Project**

- *Describe some of the present day critical global and national water issues.*
- *Highlight examples from both the world and nation.*
- *Show how important these issues are to the existence of the human race and to the quality of life.*

10:00 AM Break

10:30 AM Climate Change: Linda A. Joyce, PhD., Rocky Mountain Research Station

- *What changes to water resources can we anticipate?*
- *How do we regard the uncertainties?*
- *How can we make water resource management "climate smart"?*
- *Adapting to climate change: what are the options?*

12:00 – 1:30 LUNCH

UNIT # 2 THE FEDERAL GOVERNMENT ROLE IN WATER MANAGEMENT

UNIT LEADER – Dan Cenderelli

OBJECTIVES:

Participants will understand:

- *The US Governments role in water issues, specifically what responsibility the USDA Forest Service has based on laws, regulations, and policy*
- *Constitutional, jurisdiction, and legal conflicts among federal and state governments relative to water*
- *How water is allocated for instream flow purposes and for consumptive uses and the role of different levels of government in that allocation*
- *The role of the Forest Service where it shares jurisdiction with other agencies*

1:30 PM **Putting Legal Issues in Place – Lois Witte, Senior Counsel, Office of General Counsel**

3:30 PM **Break**

3:50 PM **Instream Flows – Robert Deibel, National Instream Flow Coordinator**

4:50 PM **Questions and Answers with Speakers**

WEDNESDAY, February 29, 2012

UNIT # 3 – MANAGING FOR WATER QUALITY

UNIT LEADER: Sherry Hazelhurst

OBJECTIVES:

Participants will understand:

- *Primary water quality protection regulations applicable to managing water resources on NFS lands*
- *The legal basis for regulating and enforcing point and nonpoint pollution sources that affect water quality and forest values*
- *Current line officer responsibilities under Federal and state regulations for water quality*

- *Agency water quality programs and opportunities for greater cooperation and collaboration to protect, maintain, improve and restore water quality*

8:00 Legal Framework of Clean Water and Safe Drinking Water Acts
Stephanie Johnson, Office of General Counsel, USDA, Denver, CO &
Eric Monschein, US EPA, Washington DC

Section I – Overview of the Safe Drinking Water Act (Stephanie)

- Key definitions and how courts have shaped them
- Main sections applicable to the Forest Service

Section II – Overview of the Clean Water Act (Eric)

- Federal and state responsibilities
- Implications of water quality standards for forest management (303(c))
- Nonpoint source control programs and management
- Total Maximum Daily Loads (TMDLs) (303(d))
- Point source control and permitting (Stephanie)
- Key definitions and how courts have shaped them

Section III – Enforcement and sovereign immunity (Stephanie)

- Roles and responsibilities for line officers
- Civil suits and penalties that could affect line officers
- Implications for management of National Forest Lands

Section IV – Opportunities for collaboration – Examples from successful projects (Eric)

- Collaboration with states and EPA to address impaired waters

10:00 BREAK

10:15 Water Quality from the National Forest Service Perspective
Michael Eberle, National Surface Water Program Leader

- Forest Service responsibilities under existing laws, policies and guidance
- Agency water emphasis in an all-lands context
- Watershed Program updates and new tools and strategies for line officers: watershed condition classification, best management practices program, and inventory, status and trend monitoring

11:00 Group Exercise – Dialog to exchanging water resource management ideas
All Participants along with training cadre

- Share examples of water resource issues participants have experienced in the field
- Exchange lessons learned
- Troubleshoot existing situations
- Build on constructive solutions to challenging situations

12:00 – 1:30 PM LUNCH

UNIT #4 - Water Quantity - Allocation, Supply, Development And Use

UNIT LEADER: Maggie Pittman

OBJECTIVES:

Participants will understand:

- *The tensions and balances between the biological, aesthetic and physical needs to keep water flowing in streams and the human, consumptive needs to remove water from streams for other purposes*
- *The importance of leadership to effectively focus talent and resources in the complex multi-agency water management arena*
- *Engage in dialogue on case studies and field visits that demonstrate real life challenges in water resource management*

1:30 PM Case Study – Groundwater - Rich Martin/Grant Loomis

2:30 PM Case Study – Conasauga River Project – Kent Evans

3:30 PM Break

3:50 PM Case Study – Fossil Creek FERC project – Heather Provencio & Judy Adams

4:50 PM Closeout and Safety Information for Thursday Fieldtrip

THURSDAY, March 1, 2012

FIELD VISITS: UNIT LEADER: Grant Loomis

8:00 am Discussion in Conference Center – Topic being developed

10:00 BREAK

10:30 am Bus Departs for Field Trip

Crescent Moon Ranch

- *Site Overview & Water Management Issues – Heather Provencio*
- *Water Rights Issues & Water & Riparian Issues – Lois Witte*
- *Partnerships – Helen Campbell, Friends of the Forest*

Picnic Lunch at Crescent Moon Ranch

- 1:00 pm** **Depart for Second Field Trip Stop**
- *Water Issues on the Upper Verde*
- *Riparian and geology of the Upper Verde*

4:30 pm **Arrive at Hotel**

FRIDAY, March 2, 2012

UNIT #5 LEADERSHIP IN THE OPERATIONAL ENVIRONMENT

UNIT LEADER: Gene Blankenbaker

OBJECTIVES:

Participants will be able to:

- *Have a heightened awareness of leadership opportunities in water related issues*
- *Look at water related matters from outside-the-box, thought-provoking & provocative ways*

- 8:30 AM** **Video, “A Question of Water”**
- 9:00 AM** **Chief's Office Presentation –*Chief's Office***
- 10:00 AM** **Group discussion/summary with Chief's Office**
- 10:45 AM** **Presentation of Certificates**
- 11:15 AM** **Adjourn**

WRMLO 2012 - CADRE

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