

WELCOME!

**Community
Education/Outreach
Informational Meetings
for the
*Clean Stream
Program***

August 28, 29, and 30, 2007



Stormwater Mangement Program (SWMP)



Stormwater Management Program (SWMP)



AGENDA

- **Introductions**
- **Watersheds and Stormwater's Impact**
- **Coconino County's Stormwater Management Program**
 - **The Clean Stream Program**
- **The County's SMS4 Areas**
- **Potential Contaminants and Sources at Home and Work**
- **How You Can Volunteer**
- **Where to Learn More**
- **Questions**



Stormwater Management Program (SWMP)

Introductions



Klara Fabry, Director

Dale Wegner, County Engineer

Randy Ryan, Assistant County Engineer

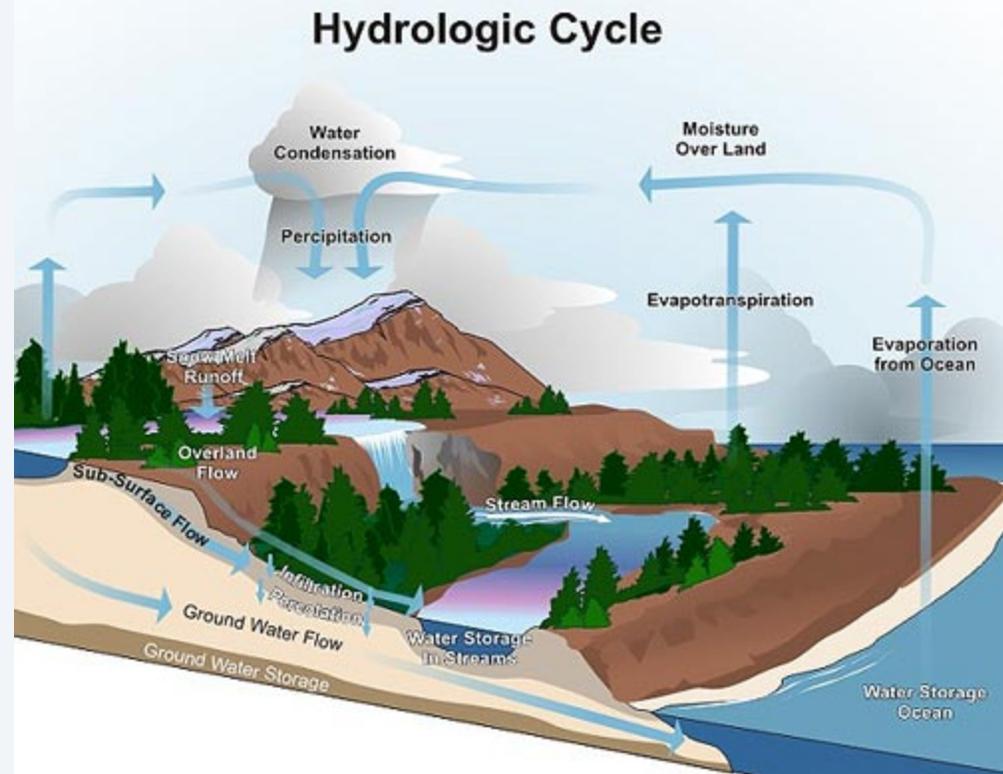
Ted Smith, SWMP Program Manager

Anne Thompson, Public Relations

Watersheds and Stormwater's Impact

It is important to know that we all live in a watershed and that we all impact our earth's water bodies.

Stormwater can pick up debris flowing to washes, streams, rivers and lakes.





Stormwater Management Program (SWMP)

Coconino County's Stormwater Management Program



SWMP Phase II – Six Control Measures:

- Public Education and Outreach
- Public Participation/Involvement
- Illicit Discharge Detection and Elimination
- Construction Site Stormwater Runoff Control
- Post Construction Stormwater Management
- Pollution Prevention/Good Housekeeping



The Clean Stream Program

The County's ***Clean Stream Program*** commits to specific control measures through the enforcement of BMPs that will reduce the physical and chemical pollution from stormwater runoff to the maximum extent practicable.

Emphasizing ...

Public Education & Outreach

Public Involvement & Participation

- Volunteer Training
- Adopt-a-Wash Program
- Community Monitor Program

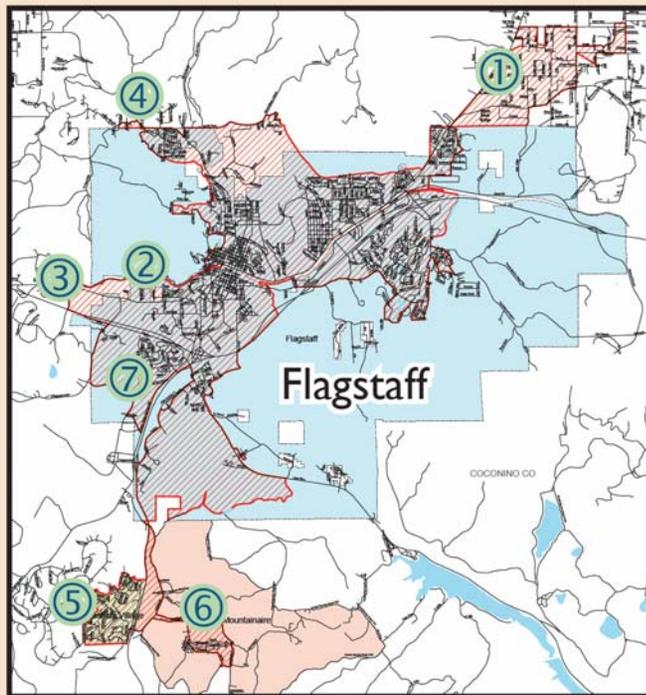


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The County's SMS4 Areas

The map below lists the locations of the County's SMS4s around the Flagstaff urbanized area, within the bold red border with thin, diagonal red lines.



- ① Doney Park
- ② Dunnam Street
- ③ Flagstaff Ranch
- ④ Hidden Hollow
- ⑤ Kachina Village
- ⑥ Mountainaire
- ⑦ Mountain Dell

There are **7 discrete County SMS4s** within, and adjacent to the Flagstaff urban area that are under County jurisdiction.



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Potential Contaminants and Sources at Home and Work



- **Sediment** can cloud the water and make it difficult or impossible for aquatic plants to grow. Sediment also can destroy fish habitats.
- **Excess nutrients** can cause algae blooms. When algae die, they sink to the bottom and decompose in a process that removes oxygen from the water. Fish and other aquatic organisms cannot exist in water with low dissolved oxygen levels.
- **Bacteria** and other pathogens can wash into swimming areas and other waterways creating health hazards.
- **Debris**—plastic bags, six-pack rings, bottles, and cigarette butts washed into waterbodies can choke, suffocate, or disable aquatic life like ducks, fish, turtles, and birds.
- **Household hazardous wastes** like insecticides, pesticides, paint, solvents, used motor oil, and other auto fluids can poison aquatic life. Land animals and people can become sick or die from eating diseased fish and shellfish or ingesting polluted water.
- **Polluted stormwater** often affects drinking water sources. This, in turn, can affect human health and increase drinking water treatment costs.



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The Clean Stream Program "10 to Remember"

5 THINGS YOU CAN DO AT HOME . . .

- ◆ **Auto Care:** don't dump automotive fluids or detergents onto the ground. It has the same result as dumping them directly into a waterbody.
- ◆ **Landscaping and Lawn Care:** use pesticides and fertilizers sparingly.
- ◆ **Maintain Your Septic System:** inspect your system every 3 years and pump your tank as necessary (every 3 to 5 years).
- ◆ **Pet Waste:** remember to pick up the waste and dispose of it properly.
- ◆ **Recycle or Properly Dispose of Household Products:** they contain chemicals, such as insecticides, pesticides, paint, solvents, so don't pour them onto the ground.

5 THINGS YOU CAN DO AT WORK . . .

- ◆ **Contain and Clean up Spills Immediately**
- ◆ **Sweep Up Debris Around Your Business**
- ◆ **Secure Trash Containers**
- ◆ **Recycle or Properly Dispose of Chemicals**
- ◆ **Report Illegal Dumping or Spills**



Stormwater Management Program (SWMP)

How You Can Volunteer

Volunteers can help to:

- ◆ Develop the volunteer monitoring program and research further restoration efforts.
- ◆ Make visual observations in their communities and report the impacts of storms.
- ◆ Clean up garbage-strewn washes and become involved in restoring degraded habitats.
- ◆ Assess the physical and chemical characteristics of waterways.
- ◆ Help evaluate the success of Best Management Practices designed to mitigate problems.



Volunteer!

Volunteer Training Meetings
6 p.m. to 8 p.m.

Monday, September 18
Doney Park Fire Station No. 32
8905 N. Koch Field Road, Flagstaff

Tuesday, September 19
Kachina Village Fire Station No. 21
568 Kona Trail, Kachina Village



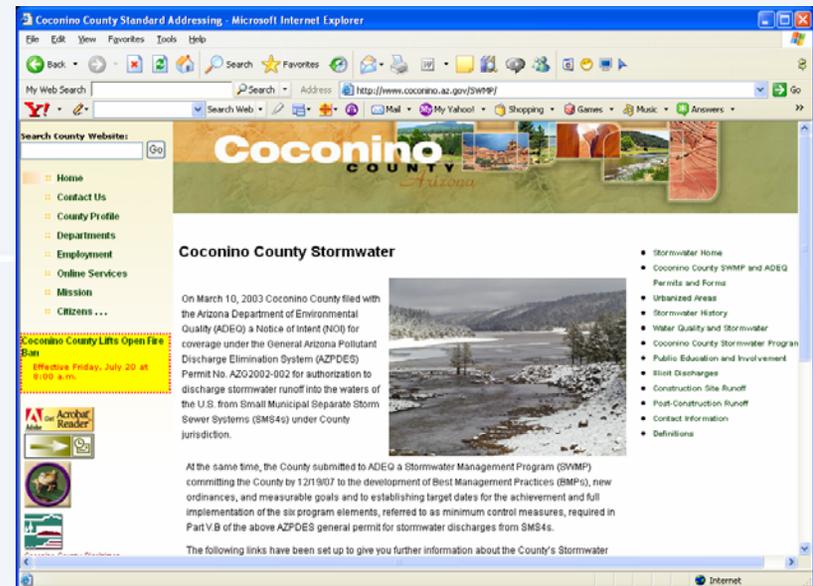


Where to Learn More

Information involving the **Clean Stream Program** will be provided in the public education and involvement link on the County's stormwater website at: www.coconinoaz.gov/SWMP

www.epa.gov/watershed
www.azdeq.gov/envIRON/water
www.ag.arizona.edu/watershedsteward

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COCONINO COUNTY
Public Works Department

Stormwater Management Program (SWMP)



QUESTIONS?

Stormwater Management Program (SWMP)

Community Survey/Comment Form



Your Participation Is Important!

Please take a few minutes to read and fill out the two page Community Survey/Comment Form.

Afterward, please feel free to talk to any of the County staff at the back of the room about the County's Stormwater Management Program.



Stormwater Management Program (SWMP)
Community Survey/Comment Form

The survey/information form will collect information that will help Cocconino County continue to develop the Stormwater Management Clean Stream Program and help to inform the community to take part in the ownership of our watersheds by volunteering.

The County's Stormwater Management Program consists of specific control measures through the enforcement of BMPs that will reduce the physical and chemical pollution from stormwater runoff to the maximum extent practicable. The County's intent is that the program emphasize an educational approach that will, over time, lead to cleaner streams through individual, business and community efforts. The County will promote educational enhancement, environmental stewardship, and community development through Clean Stream educational and training programs.

The following are two of the six minimum control measures for the stormwater program, as they pertain to the general public. Measurable goals, which are required for each minimum control measure, are intended to gauge permit compliance and program effectiveness. Please review these and then answer the following questions.



Public Education and Outreach
To satisfy the minimum control measure, the County will need to: 1) Implement a public education program to disseminate educational materials to the community about the impacts of stormwater discharges on local watersheds and the steps that can be taken to reduce stormwater pollution; and 2) Determine the appropriate BMPs and measurable goals. In the first of a five year effort, the County's goal will be to increase public awareness and to do the following:

- Implement a stormwater public education campaign called the "Clean Stream Program" and host three informational meetings, including a program fact sheet.
- Provide an alternative information resource on the internet: www.cocconino.gov/SWMP

• The County has developed the "Clean Stream Program" to educate the public and increase awareness about stormwater impacts. Do you feel this effort will be successful?
 Definitely Possibly No

Public Participation/Involvement
To satisfy the minimum control measure, the County will need to: 1) Comply with applicable State, Federal and local public notice requirements; and 2) Determine the appropriate BMPs and measurable goals. In the first of a five year effort, the County's goal will be to increase public participation by the following:

- Host two volunteer meeting meetings, including administrative updates by Clean Stream Volunteers.
- Host Clean Stream Volunteers participate in the following program development:
 - Adopt-A-Block Program
 - Community Placard Program

• The County is soliciting the public to help participate, develop, and implement volunteer programs to accomplish some of the stormwater program goals. Do you feel this effort will be successful?
 Definitely Possibly No

• If you plan to support the Clean Stream Program in your community, which of the following ways do you think you could help?
 Make an effort to do the Clean Stream Program "10 to Remember" at home and/or at work.
 Sign up, train, and be active in my community as a Clean Stream Volunteer.
 Report any problems in my community to the Clean Stream Community Monitor.
 Other: _____

The County's program does not currently emphasize achieving program goals by penalizing stormwater violators.

• Would you support future action by the County for violators (individuals or businesses) that do not make efforts to comply with the stormwater requirements?
 Yes No (circle one)
 Yes No

If yes, what would you support?
 Community Violation Notices
 Fines
 Fees to Support the Program
 Other: _____

August 2007

If you prefer, comment:

Name: _____
 Address: _____
 Phone: (____) _____-_____
 E-Mail: _____

• How did you learn about this meeting? (check all that apply)
 Newspaper Advertisement
 Postcard/Mailer
 News or Media Report
 My Neighbor
 Other: _____

Your comments are important to us!

Either return this form at the conclusion of the meeting, or send to:

Ted Smith, Hydrologist
 Cocconino County Public Works Department
 2500 N. Ft. Valley Rd., Bldg. #1, Flagstaff, AZ 86001
 Tel: (908) 226-2754 / Fax: (908) 226-2719
 E-Mail: tsmith@cocconino.az.gov

Stormwater Management Program (SWMP)
Community Survey/Comment Form

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• questions about the Informational Meeting you attended:
 Yes No (circle one)
 Yes No

• Did we answer all of your questions?
 Yes No (circle one)
 Yes No

If not, please let us know your questions about the SWMP and we will contact you:

To the



COCONINO COUNTY
Public Works Department

Stormwater Mangement Program (SWMP)



Thank You!