

WELCOME!

**Community
Education/Outreach
Informational Meetings
for the
*Clean Stream
Program*
August 28, 29, and 30, 2007**



Stormwater Management Program (SWMP)



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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**

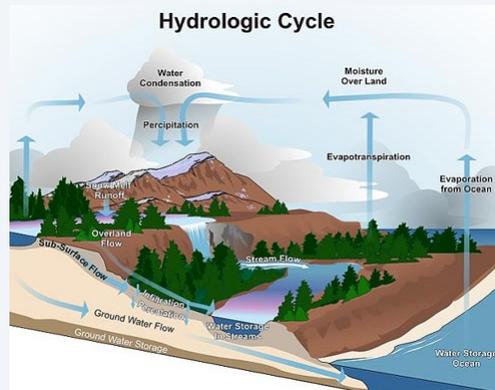
Introductions

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.





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

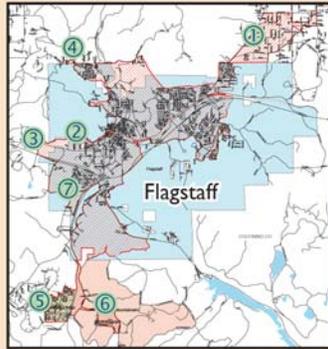
Public Involvement & Participation

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



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.



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**



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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





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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.coconino.gov/SWMP

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

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QUESTIONS?



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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.



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Thank You!