



MS4, Source Water Protection and
Municipal Emergency Management



What is Stormwater?

Stormwater occurs when precipitation from rain or snowmelt flows over the ground.



What is Sourcewater?

Source water is where drinking water systems obtain raw water for treatment.

The BIG PICTURE!



SAME GOALS FOR STORMWATER AND
SOURCE WATER.....CLEAN WATER!



STORMWATER IS SOURCE WATER!

How your operations impact MS4/SWP

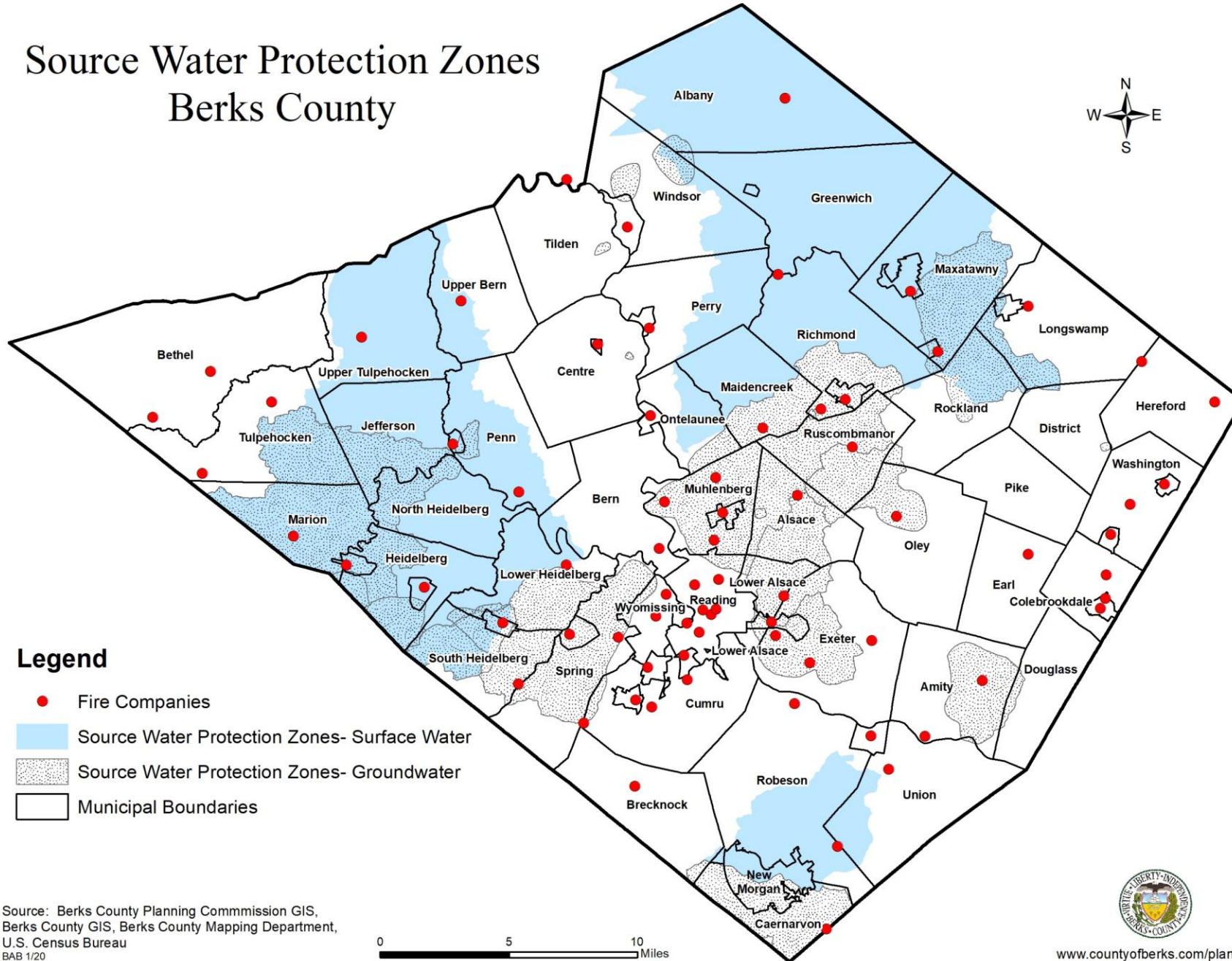
- Fire stations, Police stations, Ambulance buildings may be included in the municipal operations and management plan
- Police may issue violations
- Hydrant flushing
- Chemicals stored at your facility and how they are used in your individual response
- Training of your employees
- Recordkeeping and Reports



Events that Impact MS4/Source water

- Fire Hydrant flushing
- Transportation Accidents (Vehicle, Train)
- Pipeline releases
- Fire Training practices/materials

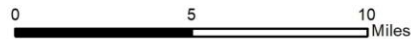
Source Water Protection Zones Berks County



Legend

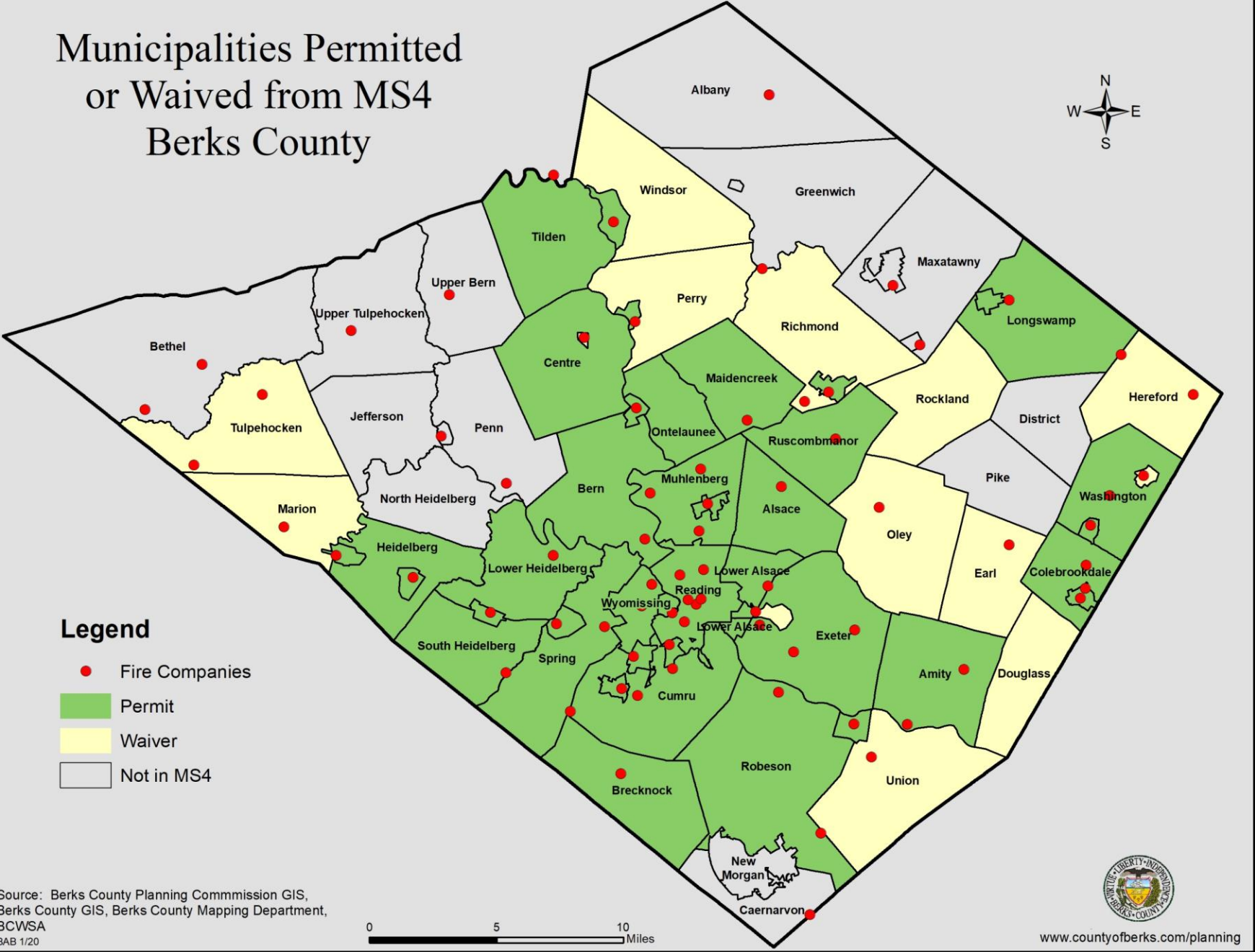
- Fire Companies
- Source Water Protection Zones- Surface Water
- Source Water Protection Zones- Groundwater
- Municipal Boundaries

Source: Berks County Planning Commission GIS,
Berks County GIS, Berks County Mapping Department,
U.S. Census Bureau
BAB 1/20



www.countyofberks.com/planning

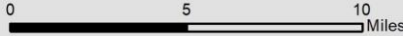
Municipalities Permitted or Waived from MS4 Berks County



Legend

- Fire Companies
- Permit
- Waiver
- Not in MS4

Source: Berks County Planning Commission GIS,
Berks County GIS, Berks County Mapping Department,
BCWSA
BAB 1/20



Items to consider which apply to MS4 and SWP

- How do you do the things below:
 - Spill Response/Spill Prevention (both at your facility and emergency events)
 - Proper disposal of spill materials at your facility/after event
 - Washing areas (commercial car wash, grass/gravel area, or drained area)
 - Employee Protocol/Training
 - Vehicle Maintenance

What to provide to water supplier or MS4 municipal representative

- Specific location of event (description of area including is there a creek nearby)
- Date, time and weather conditions
- Description of the pollution (what is it and how much)
- Who is at risk (people, property or the environment)
- What watershed are you in
- Is it a source for drinking water (whose source is it)
- What are you using to clean up the spill, leak, accident debris
- Description of violator (license plate number, company name)
- Pictures
- Use PA WARN

* Notify DEP no later than 4 hours after event if potential for down stream contamination

* New DEP Emergency Phone Number: 866-825-0208



Recordkeeping and Information Sharing

- If it's not in writing, it didn't happen!
- Provides accounting of activities as they occur
- Proof of compliance with permit, sourcewater protection plan
- Sharing of information provides consistency for municipal program





Thank You! Questions?

Ashley Showers
Berks County Planning Commission
ashowers@countyofberks.com
610-478-6300 ext. 6312



BERKS COUNTY
STEERING COMMITTEE