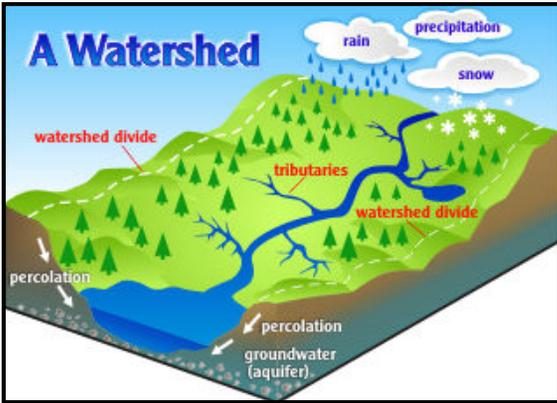


WHAT IS A WATERSHED?

A watershed is defined as the land area in which all surface water and groundwater drains into a stream, lake, or other body of water. Its boundaries are delineated by ridgelines or high elevation areas.



All water runs downhill, so you can think of a watershed as a drainage basin. Everyone lives in a watershed and everything that happens in a watershed affects the health of rivers and streams, for better or worse.



North Carolina has 17 river basins. The Town of Apex lies within two of these basins: the Cape Fear and the Neuse. Within Apex, there are 6 creek basins.

Protecting watersheds is important to the environment and public health. When stormwater runoff is not managed properly erosion, flooding, and pollution can result.



CONTACT INFORMATION

Mike Deaton, PE
Environmental Programs Manager
michael.deaton@apexnc.org

Jessica Bolin, PE
Stormwater/Utility Engineer
jessica.bolin@apexnc.org

Rocky Ross, PLS
Environmental Specialist
rocky.ross@apexnc.org



249-3427

WWW.APEXNC.ORG

Town of Apex



WATERSHED PROTECTION

Public Works & Utilities Department
Environmental Programs Division
105 Upchurch Street
Apex, NC 27502
(919) 249-3427

RIPARIAN BUFFERS

The Town of Apex has riparian buffer requirements in place to protect the quality of our streams. Development within buffers is restricted per Town Unified Development Ordinance (UDO) requirements. Buffers are measured from the top of the stream bank as follows:

- Perennial Streams (including in-line lakes and ponds) —100 foot buffer
- Intermittent Streams (including in-line lakes and ponds)—50 foot buffer



Riparian buffers help filter the stormwater that flows from roads, roofs, and lawns before it reaches the streams. The buffer removes many pollutants such as sediment, oil from roads, and nutrients from over-fertilized lawns.

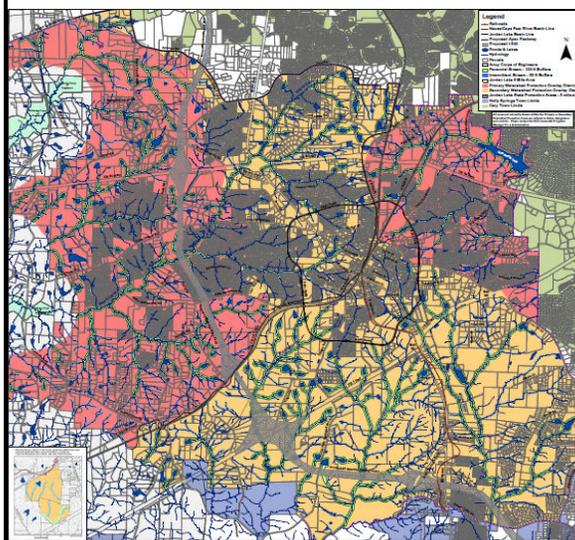
Riparian vegetation also slows floodwaters, thereby helping to maintain stable stream banks and protect downstream property. Groundwater is also recharged by this slowing of floodwaters and stormwater runoff.

The Town urges homeowners to be good stewards of the environment by keeping these buffers undisturbed and natural.

WATERSHED PROTECTION Overlay Districts

- **Primary**—Water supply watershed
- **Secondary**—All other areas within Town of Apex corporate limits or ETJ

Watershed Protection Overlay District Map



SEDIMENTATION AND EROSION CONTROL

Proper erosion control measures are required for every construction site in Town regardless of the project size, including single family residences. Please contact Public Works at 249-3427 for more information.



STRUCTURAL BMPs

Stormwater Best Management Practices (BMPs) are implemented as a way of limiting and treating pollutants in stormwater runoff. Structural BMPs refer to physical structures designed to remove pollutants from runoff, reduce downstream erosion, provide flood control, and promote groundwater recharge.



Wet Pond at Apex Town Hall

A Rain Garden is a type of structural BMP you can create in your own yard to achieve the same effects as the Town-required BMPs. Please contact Public Works for more information.



Rain Garden at Apex Town Hall