

**EAST TENNESSEE STATE UNIVERSITY**  
**CAMPUS STORMWATER CONTROL**

Pollutants such as soil particles, fecal waste, chemicals, litter, sediments from construction sites, and oil residues are transported into our drainage systems, lakes, rivers, and even wells. These impact the quality of water we use in our day-to-day activities such as drinking, bathing, cooking, and swimming. The United States Geological Survey defined stormwater as precipitation from rain or snowmelt that flows over surfaces such as roads, pavement, and agricultural lands, which collects in streams and other bodies of water.

The Department of Environmental Health and Safety in conjunction with the Department of Sustainability at East Tennessee State University, play a crucial role in sustaining and safeguarding our campus environment. They achieve this through effective stormwater control measures. Stormwater management's main objectives are protecting water quality, preventing flooding, reducing erosion, and protecting infrastructures.

To achieve these objectives, control measures must be set in place to reduce the volume of runoff, flow rate, and pollutant load. The Departments of Sustainability and Environmental Health and Safety ensure these measures are carried out through the following:

- Community engagement and education on stormwater control and practices;
- Work practices such as routine cleaning and sweeping of the street and parking lot;
- Installation of Aqua-swirl devices to collect runoff;
- Construction of bioretention swale in Buccaneer Ridge;
- Construction of bioretention basins at Buccaneer Ridge, intramural fields, CEB, Family Medicine, softball field, baseball field, other athletic fields; and
- Conducting routine inspections of these sites to ensure functionality and efficiency.

In conclusion, effective stormwater control is important in preserving water quality, preventing flooding, and safeguarding our environment. As individuals, it is our responsibility to minimize pollution by adopting environmentally friendly practices, while as a department, we ensure measures to reduce the impact of stormwater at East Tennessee State University.