

Stormwater & Tree Canopy Facts

- 💧 **100 years ago Cocoa Beach was a forest** (remnants include Our Saviors Church & Lori Wilson Park)
- 💧 **42% of Cocoa Beach is covered by Impervious Surfaces** (roads, roofs, parking lots, sidewalks)
- 💧 **Rainfall washes impervious surfaces directly into lagoon through stormdrains** (think pet waste, fertilizers, pesticides, grass clippings, auto fluids, brake wear, cleaners/solvents, litter/cigarette butts, etc.)
- 💧 **A 1-inch rainstorm in Cocoa Beach generates 25 Million gallons of runoff** to the Banana River
- 💧 Our annual **~50 inches of rain** generates **1.3 BILLION gallons of runoff** to the Banana River
- 💧 **Tree canopy captures rainfall** (stand under a tree if you don't want to get wet)
- 💧 **One large tree can reduce storm runoff by over 4000 gallons per year**
- 💧 **Clustering hardwood trees** increases canopy and **greatly reduces storm runoff**
- 💧 Clustering trees protects individual trees from wind/salt/frost damage
- 💧 Clustering trees produces **more shade & moderate temperatures** (particularly in summer)
- 💧 **People enjoy tree canopy for obvious reasons** (think Cocoa Village)
- 💧 **Trees provide shelter, food & nesting** for birds, butterflies & beneficial insects
- 💧 **Hardwood trees significantly add oxygen & cleanse pollutants** in the air
- 💧 **Businesses in walkable areas with tree canopy are more successful**
- 💧 **Tree canopy increases property values**

