

# VIII - NATURAL GROUNDWATER AQUIFER RECHARGE ELEMENT



Serving the Community



**GOAL 8.1:** The City shall protect and preserve the function of the surficial fresh-water aquifer and recharge areas within the City of Cocoa to ensure an adequate source of quality and quantity of potable water.

**Objective 8.1.1:** **Intergovernmental Coordination.** The City shall coordinate with other agencies and continue to enforce measures in the City Code that will ensure preservation of natural recharge to the City's groundwater resource and conservation of its potable water sources.

**Policy 8.1.1.1:** The City shall coordinate with Brevard County, the SJRWMD and other state and federal agencies in the education of residents and business owners on water conservation and the protection of groundwater.

**Policy 8.1.1.2:** The City shall continue to coordinate with Brevard County, Orange County, the SJRWMD and state and federal agencies to achieve regional aquifer recharge protection objectives.

**Policy 8.1.1.3:** In order to reduce the potential for saltwater intrusion and to protect existing groundwater supplies, the City shall continue to require the expansion of the alternative water supply and distribution system.

**Objective 8.1.2:** **Best Management Practices.** The City shall recognize best management practices and include these in the land development regulations to protect and preserve the quality and quantity of groundwater occurring in the City of Cocoa.

**Policy 8.1.2.1:** The City shall continue to enforce land development regulations that establish standards for development to protect recharge areas through the requirement for landscaping and open space.

**Policy 8.1.2.2:** The City shall continue enforcement of its land development regulations to ensure that land uses requiring the routine application of pesticides or herbicides or requiring underground storage of hazardous materials maintain a groundwater monitoring program designed to detect contamination of the surficial aquifer.

**Policy 8.1.2.3:** The City shall require that development within high aquifer recharge areas maintain pre-development net recharge in the post-development condition to protect ground and surface water quality.

**Policy 8.1.2.4:** The City shall identify critical high aquifer recharge areas that are vital to the protection of natural systems and/or current or future sources of potable water and require a higher level of protection for these areas than required elsewhere in the City, including, but not limited to, lower impervious surface ratios, higher open space requirements and enhanced stormwater runoff protection measures.

**Policy 8.1.2.5:** Pervious surface shall be defined as land that is not built upon with any structure or pavement nor has any feature that prevents surface