



CITY OF CLERMONT
COMPREHENSIVE PLAN

CHAPTER VIII
NATURAL GROUNDWATER
AQUIFER RECHARGE ELEMENT

Adopted June 23, 2009

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CHAPTER VIII NATURAL GROUNDWATER AQUIFER RECHARGE

GOAL 1: To provide, maintain and protect the Floridan Aquifer to ensure that recharge of the natural groundwater aquifer occurs in a manner that maintains sufficient quality and quantity of the public water supply to meet current and future demands.

Objective 1.1: Natural Recharge Protection and Conservation: The City of Clermont shall coordinate with other agencies and continue to enforce measures in the Code of Ordinances that will ensure preservation of natural recharge to the City's groundwater resource and conservation of its potable water sources.

Policy 1.1.1: The City shall coordinate with Lake 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 1.1.2: At a minimum, the City shall adhere to regulations adopted by the SJRWMD and the state to protect areas of high aquifer recharge.

Policy 1.1.3: The City shall continue to coordinate with Lake County, the SJRWMD, and state and federal agencies to achieve regional aquifer recharge protection objectives.

Objective 1.2: Best Management Practices: The City shall recognize the best management practices protecting water resources.

Policy 1.2.1: 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 1.2.2: 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 1.2.3: City staff will consider an application for development approval within the designated critical High Aquifer Recharge Areas to be within an area of critical high aquifer recharge. The applicant may submit a site-specific evaluation conducted by an independent state-registered geologist to the City engineer, who will determine whether the site lies within an area of critical high aquifer recharge.

Policy 1.2.4: Geotechnical investigations of hydraulic conductivity shall extend at least five feet below the proposed pond bottom within areas of high aquifer recharge.

Policy 1.2.5: Within areas of high aquifer recharge, only the area above the control elevation of a wet detention system qualifies as open space. The control elevation is defined as the lowest elevation at which the stormwater structure releases discharge.

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