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# Killearn Estates Plantation Nonpoint Source Pollution Education 319 Grant

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DEP Agreement No.LP37130.  
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Submitted By Dr. Renee Murray on  
Behalf of the Killearn Homes  
Association

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## **EXECUTIVE SUMMARY**

The Killearn Estates Plantation Educational Outreach grant was funded through the Department of Environmental Protection Nonpoint Source Implementation Grant C999451512-0. These outreach efforts focus on the Killearn Estates Plantation neighborhood, which is located within the City of Tallahassee in Leon County, Florida.

Stormwater runoff is generated from the uplands surrounding waterbodies including pavements, yards, driveways, and roofs. Efforts to control stormwater pollution in a residential area must begin with individual homeowners. Common individual behavior patterns that generate urban stormwater pollution include inappropriate lawn fertilizing and disposing of trash and recyclables; Not properly addressing pet-waste, leaf litter and yard clippings; Mismanagement of leftover paint and household chemicals; Improper applying of pesticides and herbicides, washing cars and changing motor-oil, and improper care of shoreline areas.

The educational outreach effort funded through this grant consisted of:

- Four Focus Groups from the target neighborhood;
- Outreach to local schools with a stormwater drain marker project and education on nonpoint source pollution;
- Installation of 300 storm drain markers from the school project by high school volunteers;
- Six articles on Best Management Practices to reduce nonpoint source pollution published in the Killearn Kloverleaf magazine;
- Design and development of three unique Best Management Practice posters to reduce nonpoint source pollution posters specially for the Killearn community
- Installation of six message kiosks in the community parks of the Killearn community with the BMP posters.
- Attendance at a community event highlighting efforts of the outreach effort and promoting Best Management Practices residents can use to reduce nonpoint source pollution.
- Post educational outreach survey.

All work was performed in accordance with the outlined parameters of the grant agreement and effectively delivered to the target neighborhood and audience. The tasks of this grant were completed with professional delivery within a compressed delivery time frame that was originally presented as one year and what amounted to less than 5 ½ months of implementation time. The Killearn Estates community and the students involved in this grant all came away with a greater appreciation for the sources of nonpoint source pollution within their immediate areas with knowledge on the steps to abate these types of pollution and recognize the challenges to make positive change in the water quality of the lakes within this community.

Water quality has been monitored quarterly since 2009 by the Killearn Homes Association (KHA). Water quality monitoring was also conducted during the education period and will continue for at

least three years afterwards. This final report will be updated after the monitoring is completed to document the effectiveness of the education initiative. McGlynn Laboratories, Inc. (MLI), is doing this monitoring for the KHA.