

**Florida Floodplain Managers Association**  
**2019 Annual Conferences**  
**Abstracts**

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<b>Title:</b>	Understanding Floodway No Rise Analyses- Real World Projects
<b>Length:</b>	30 minutes
<b>Subject:</b>	General Floodplain Management
<b>Target Audience:</b>	Building Officials, Municipality Permit Reviewers, Engineers
<b>Presenter Name:</b>	Elizabeth Fountain, PE, CFM Vice President; Director of Floodplain Management Department J.R. Evans Engineering, P.A.
<b>Biography:</b>	Ms. Fountain offers over eighteen (18) years of experience in various aspects of civil engineering, surface water management analyses, project permitting, management and review. She has extensive experience and technical skill with hydrologic and hydraulic modeling for surface water systems, floodplain management analyses, for both riverine and coastal systems, and modeling of utility distribution systems. She also specializes in the modeling related to regulatory floodway and floodplain related projects and watershed studies. As Director of the firm's Floodplain Management Department, Ms. Fountain manages a comprehensive list of floodplain management projects involving tasks related to site-specific flood zone/floodway analyses and mapping, watershed hydrologic/hydraulic studies, floodway no rise analyses, flood protection and mitigation analyses, and flood-proofing services.
<b>Co-Presenter:</b>	None
<b>Biography:</b>	
<b>Abstract:</b>	Abstract for FFMA 2019 Annual Conference: Understanding Floodway No Rise Certification Analyses and Real World Examples  The presentation is focused on providing an in-depth review of the best approaches to handling a No Rise Certificate requirement for proposed activities within a regulatory floodway area. Based on my experience in facilitating No Rise Certification projects, there are municipal officials/floodplain administrators and engineers that would benefit greatly by learning more about the details of a No Rise analysis and seeing examples of real-world projects and applications. Depending on the type of project, a No Rise Certification can be handled differently, some requiring a hydraulic analysis. The goal is to determine the most appropriate approach that complies with the National Flood Insurance Program regulations, the municipalities floodplain protection regulations and is still reasonable for the proposed activity. I will review the NFIP guidelines/requirements, definition and delineation details of a floodway area, types of proposed projects, details of the hydraulic analyses required, parameters involved with the study, and knowing what to look for in the analysis and results. Several real-world project examples will be reviewed, which include such activities as: Pedestrian bridge crossing river with floodway; New single-family home within floodway; New pool deck within floodway- no hydraulic analysis needed; new fence along property line; and areas of fill placed within floodway. For those proposed activities in which the analysis indicates that it will not comply with the regulations, I will touch on available

alternatives. These alternatives include a more comprehensive look at the floodway delineation to evaluate if a refinement to the boundary is necessary/warranted or facilitating a CLOMR (Conditional Letter of Map Revision) to achieve FEMA's acceptance of the proposed changes to the flood hazard areas once the improvements are installed and certified. It will be noted that a CLOMR could result in some mitigation being required to offset any adverse impact to the floodway/floodplain.

The goal of the presentation is to provide additional insight on the matter of floodway encroachments with providing actual projects and applications of the regulations and guidance. Another goal of the presentation includes promoting a comprehensive look at projects to consider all available approaches with addressing the situation.