<u>Title:</u> How Do Rivers Work?

<u>Presented by:</u> Chuck Berger Engineer 6 DCL (Water Quality Modeling /TMDLS) Water Planning and Assessment Division Louisiana Department of Environmental Quality

Length: 1.5 hrs, including Q/A

Who may be interested?:

Local governments dealing with water quality, flood resiliency, and community uplift/improvement and resilience issues, as well as entities sponsoring projects supported by the Louisiana Watershed Initiative, Louisiana Department of Environmental Quality's (LDEQ's) Nonpoint Source Pollution Section 319 (NPSNSP), or Total Maximum Daily Load (TMDL) Programs; entities sponsoring projects to protect or improve aquatic habitats.

What will be covered?:

This will serve as a primer on the use of natural channel design principles and other nature-based solutions, and how to get started incorporating these principles into water quality, flood control, and other similar projects.

Why attend?:

Information will provide some basic concepts in predicting stream behavior, assessing and describing channel conditions and trends, and understanding impacts of channelization on stream behavior, sedimentation, flooding, water quality, aquatic habitat, and more. This information can be used in project design, to assess or modify project operations, and to maximize co-benefits to improve water quality, improve aquatic habitat, mitigate flood impacts, improve community resiliency, and further stability and equilibrium in streams.