



US Army Corps
of Engineers®

Flood&Coastal Storm Damage Reduction R&D Program

Literature Review of Vegetation on Levees

Description

At the request of Headquarters, U.S. Army Corps of Engineers, the U. S. Army Engineer Research and Development Center (ERDC) conducted an extensive literature review of vegetation on levees. The objective of this compilation and preliminary assessment is to better understand the effect, if any, of vegetation on levee integrity as studied and accepted in open literature. The review encompassed journal articles, proceedings, newspaper articles, Web sites, and guidance documents (federal, local, state, and international). “Gray” literature, those documents not easily or readily accessible by the general public, but accepted in an engineering and scientific community, was also included.

Benefits

The accumulated studies are presented in an unbiased format and are catalogued based on published format. The compilation of these important documents provides the scientific and engineering community with access to issues pertaining to levee vegetation.



Mississippi River levee, south of Natchez, MS

Status	N/A
Distribution Source(s)	The literature review will be published as an ERDC technical note.
Available Documentation	Corcoran, M. (in preparation). <i>Literature review and preliminary assessment of research on levee vegetation</i> . ERDC-TN-xxx. Vicksburg, MS: U.S. Army Engineer Research and Development Center.
Available Training	N/A
Available Support	N/A.
Application	This work will support ongoing policy development and guidance update.
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Partners	Ronald Haselsteiner, project engineer for RMD-Consult and Clara Spoorenberg, geotechnical engineer with DHV Consultancy, provided guidelines from Germany and the Netherlands, respectively.