

National Mall Coalition

Washington's Two Different Flood Threats

Washington's Two Different Flood Threats: River and Interior

This satellite view of modern Washington superimposed on Andrew Ellicott's 1793 topographic map reveals the sources for Washington's two different flooding problems:river flooding and interior (stormwater) flooding. The black lines of Ellicott's map show the original shorelines of the Potomac and Anacostia (Eastern Branch) Rivers, and of Tiber Creek as it broadens before emptying into the Potomac River. The Washington Monument originally stood near the confluence of Tiber Creek and the Potomac River. The Lincoln Memorial, Jefferson Memorial, Hains Potint, and other waterfront areas are built on landfill created in the late 19th century by the Army Corps of Engineers

and so are prone to Potomac River flooding.



The old Tiber Creek, now buried under Constitution Avenue, is the lowest lying part of the city. Stormwater runoff from higher land flows down to this area during heavy storms, most recently during the deluge in June 2006 that devastated Mall museums and Federal Triangle public buildings including the National Archives.

While the levee recently constructed by the Army Corps of Engineers at 17th Street and Constitution Avenue will alleviate Potomac River flooding, it will not solve the interior (stormwater) runoff flood problem. The 2011 Federal Triangle Stormwater Drainage Study, undertaken by 14 federal and District of Columbia agencies after the 2006 disastrous interior (stormwater) floods, calls for floodwater retention solutions such as a huge underground pumping station or a vast interior (stormwater) reservoir under the National Mall.



1889 The Great Flood of June 1889 inundated Pennsylvenia Avenue at 6th Street NW or



1936 During the flood of March 1936 much of the National Mall as well as East and Wint Potomac Parks were underweter (Photos: Library of Congress)



2006 After record-branking naminal flowed from higher elevations in the city to low-lying Constitution Avenue in June, one newspapes head fine read. "Roading allow wheat of U.S. Government: RS, Justice, Commerce building Roaded as commuters see nell, road chece." (Photo countree of SSA)

