Collaborative GIS-Based Sign Planning Tools for National Historic Trails

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Trails are Complex...

- We have 3 office locations
- **Infinite** Number of Partners
- 25,000+ Miles
- 4 NPS Regions
- 24 States
- 451 Counties
- 109 Congressional Districts
- 3026 7.5 minute Quads of Interest
THE NATIONAL TRAILS SYSTEM ACT
(P.L. 90-543, as amended through P.L. 111-11, March 30, 2009)
(also found in United States Code, Volume 16, Sections 1241-1251)

AN ACT

To establish a national trails system, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SHORT TITLE

SECTION I. This Act may be cited as the "National Trails System Act".

STATEMENT OF POLICY

SEC. 2. [16USC1241]

(a) In order to provide for the ever-increasing outdoor recreation needs of an expanding population and in order to promote the preservation of, public access to, travel within, and enjoyment and appreciation of the open-air, outdoor areas and historic resources of the Nation, trails should be established (i) primarily, near the urban areas of the Nation, and (ii) secondarily, within scenic areas and along historic travel routes of the Nation which are often more remotely located.

(b) The purpose of this Act is to provide the means for attaining these objectives by instituting a national system of recreation, scenic and historic trails, by designating the Appalachian Trail and the Pacific Crest Trail as the initial components of that system, and by prescribing the methods by which, and standards according to which, additional components may be added to the system.

(c) The Congress recognizes the valuable contributions that volunteers and private, nonprofit trail groups have made to the development and maintenance of the Nation's trails. In recognition of these contributions, it is further the purpose of this Act to encourage and assist volunteer citizen involvement in the planning, development, maintenance, and management, where appropriate, of trails.
Sign Planning Assistance

- Viewer for partners
- Centralized data
- Tool to generate maps and estimate costs based on proposed sign locations
The Sign Plan Report Tool

Input “Signs” Feature
Sign Plan Name
Trails in AOI

Sign ID Number Sort
Map Scale (Resolution)
Map Templates Location

Partner Preparers
NPS Preparers
Contact Info

This tool will generate a road sign plan report based on the user’s selection. This report includes a title page, table of contents, a map sheet index, a sign plan map series, a report of the signs, summaries, and sign plan specification sheets depending on the trails chosen.
The Sign Plan

Sign Plan Report

- Title Page
- Table of Contents
- Map Sheet Reference Index
- Sign Plan Map Series
- Reports
  - Sign Summary
  - County/State Sign Summary
  - Road Jurisdiction Sign Summary
  - Cost Estimate Summary
  - County/State Cost Summary
  - Road Jurisdiction Cost Summary
  - Sign Status Cost Summary
- Sign Plan Specification Sheets
The Sign Plan Report
The Sign Plan Report
Signs As of 02/26/16

2016-02-26 14:58:11.393000

Pedestrian Signs = 180
Viewer Pedestrian Signs = 135

Road Signs = 2770
Viewer Road Signs = 1451

CALTRANS = 989

Total = 5525

Finished in 47.1256259852 seconds
QUESTIONS?

Working with you to protect, develop, and promote national historic trails.

References to non-U.S. Department of the Interior (DOI) products do not constitute an endorsement by the DOI.