Attachment C



<u>(/?</u> page id=23110)

Trail Managers Toolbox

This Toolbox includes links to resources that trail and open space managers can use to develop and improve trails to better serve users and the community. Do you know of other resources that would benefit trail professionals? We want to hear from you! Email your suggestions to: trails@parks.ca.gov (http://webedit.parks.ca.gov/admin/contentscreens/trails@parks.ca.gov).

NOTE: California State Parks takes no responsibility for, or position on, research conducted and opinions offered by other organizations. The material below is offered solely as an informational service to California's trail professionals and is not endorsed or recommended by California State Parks.

- ▶ Trail Training Opportunities (?page id=23419#ttrail training)
- ▶ Multi-use Trail Management (?page id=23419#multi use trail management)
- ▶ Economic Impact of Trails (?page id=23419#economic impact of trails)
- ▶ Trail Design/Construction (?page id=23419#trail_design_construction)
- Trail Planning/Community Involvement (?page_id=23419#trail_planning)
- ▶ Trail Use Research (?page id=23419#trail research)
- ▶ Environmental Impact Assessments (?page_id=23419#environmental_impact)
- ▶ Trail Condition Assessment Tools / Maintenance (?page id=23419#trail condition)
- ▶ Trail Marketing and Promotion (?page id=23419#trail marketing)
- ▶ Funding / Grant Opportunities (?page id=23419#funding)
- ▶ Regional Resources (?page id=23419#resources)

TRAILS AS TRANSPORTATION

Walking and Bicycling: What Does the Research Tell Us? (2008)
(http://www.parks.ca.gov/pages/1324/files/alternative%20transportation%20study.pdf)
(/pages/1324/files/alternative%20transportation%20study.pdf))

A Summary of Highway Provisions in SAFETEA-LU (Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users) (https://www.fhwa.dot.gov/safetealu/summary.htm) (https://www.fhwa.dot.gov/safetealu/summary.htm))

Funding for Transportation: What the New Federal Act Means for California (http://www.lao.ca.gov/2006/trans_SAFETEA/trans_SAFETEA_011906.htm) (http://www.lao.ca.gov/2006/trans_SAFETEA/trans_SAFETEA_011906.htm))

Rails-to-Trails (http://www.railstotrails.org (http://www.railstotrails.org))

National Association of City Transportation Officials (http://nacto.org/(http://nacto.org/))

(http://www.peoplepoweredmovement.org/site)

TRAIL TRAINING OPPORTUNITIES

California Trails and Greenways Conference (http://www.parks.ca.gov/?page_id=24151 (?page_id=24151))

American Trails Training Resources (www.trailstraining.net (http://www.trailstraining.net))

Federal Highways Administration Events (https://www.fhwa.dot.gov/accelerating/events.cfm)

American Trails National Symposium, Training Calendar (http://www.americantrails.org/Calendar.html) (http://www.americantrails.org/Calendar.html))

The Pacific Crest Trail Association, Trails Skills College (http://www.pcta.org/volunteer/trail-skills-college/ (http://www.pcta.org/volunteer/trail-skills-college/))

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MULTI-USE TRAIL MANAGEMENT

Equestrian-Bicyclist Conflict Resolution (http://media.tripod.lycos.com/1849348/1704658.pdf (http://media.tripod.lycos.com/1849348/1704658.pdf))

US Department of Transportation, Recreational Trails Program (http://www.fhwa.dot.gov/environment/recreational trails)

California Equestrian Trails & Lands Coalition Safety Considerations for Multi-use Trails (http://www.parks.ca.gov/pages/1324/files/trailsguidelines.pdf))

ECONOMIC IMPACT OF TRAILS

Literature Review: Economic Benefits of Bicycling (http://www.parks.ca.gov/pages/1324/files/bibliography%20from%20alta%20design.pdf (/pages/1324/files/bibliography%20from%20alta%20design.pdf))

Economic Impacts of Protecting Rivers, Trails and Greenway Corridors, 1995 (http://www.parks.ca.gov/pages/1324/files/econ_all.pdf))

Estimating the economic value and impacts of recreation trails: a case study of the Virginia Creeper Rail Trail, 2007 (http://www.parks.ca.gov/pages/1324/files/bowker_vct_irnl.pdf (/pages/1324/files/bowker_vct_irnl.pdf))

Pedestrian and Bicycle Infrastructure: A National Study of Employment Impacts, 2011 (http://www.peri.umass.edu/236/hash/64a34bab6a183a2fc06fdc212875a3ad/publication/467/) (http://www.peri.umass.edu/236/hash/64a34bab6a183a2fc06fdc212875a3ad/publication/467/))

OTRAIL DESIGN / CONSTRUCTION

Development of Trails along Canals, Flood Channels, and other Waterways - Opportunities, Challenges, and Strategies, 2011 (http://www.parks.ca.gov/pages/795/files/canal%20waterway%20trails%20study.pdf (/pages/795/files/canal%20waterway%20trails%20study.pdf))

Trail Terminology (Glossary) (http://www.parks.ca.gov/pages/1324/files/trail%20terminology.pdf (/pages/1324/files/trail%20terminology.pdf)

Hand Tools for Trail Work (Glossary) (http://www.parks.ca.gov/pages/1324/files/hand%20tools%20for%20trail%20work.pdf) (http://www.parks.ca.gov/pages/1324/files/hand%20tools%20for%20trail%20work.pdf)

Equestrian Design Guidebook for Trails, Trailheads and Campgrounds (http://www.fhwa.dot.gov/environment/recreational_trails/publications/fs_publications/07232816/) (http://www.fhwa.dot.gov/environment/recreational_trails/publications/fs_publications/07232816/)

Forest Service Publications List - Contains an extensive list of documents for building and maintaining accessible trails and related facilities (http://www.nrs.fs.fed.us/pubs/)

National Trails Training Partnership (http://americantrails.org/resources/index.html (http://americantrails.org/resources/index.html))

Professional Trailbuilders Association (http://www.trailbuilders.org/resources/)

Rails-to-Trails Conservancy

(http://www.railstotrails.org/whatwedo/trailbuilding/technicalassistance/toolbox/toolbox_index.html (http://www.railstotrails.org/whatwedo/trailbuilding/technicalassistance/toolbox/toolbox_index.html))

International Mountain Bicycling Association
(http://www.imba.com/resources/trail_building/index.html))
(http://www.imba.com/resources/trail_building/index.html))

National Park Service Publications

(http://www.nps.gov/ncrc/programs/rtca/helpfultools/ht_publications.html (http://www.nps.gov/ncrc/programs/rtca/helpfultools/ht_publications.html))

TRAIL PLANNING / COMMUNITY INVOLVEMENT

California State Parks Publications:

- * The Gift of Time: Effective Volunteer program Management for Local Park and Recreation Agencies, 2006 (http://www.parks.ca.gov/pages/795/files/the%20gift%20of%20time.pdf (/pages/795/files/the%20gift%20of%20time.pdf))
- * Multi-use Trails: Ensuring Successful Regional Planning, 2002 (http://www.parks.ca.gov/pages/795/files/multi-use/multi-use%20trails%20-%20ensuring%20sucessful%20regional%20planning.pdf (/pages/795/files/multi-use%20trails%20-%20ensuring%20sucessful%20regional%20planning.pdf))
- * Tried and true Public Relations and Promotional Tools, 2007 (http://www.parks.ca.gov/pages/795/files/final%20pr%20manual%207%2012%202007.pdf (/pages/795/files/final%20pr%20manual%207%2012%202007.pdf))

Alliance for Biking and Walking (http://www.bikewalkalliance.org/index.php))

A Contingent Trip Model for Estimating Rail-Trail Demand, 2003 (http://www.parks.ca.gov/pages/1324/files/ja_betz001.pdf (/pages/1324/files/ja_betz001.pdf))

Parks, Trails, and Health Workbook - An Evaluation Tool for Planners, Parks & Recreation Professionals, and Health Practitioners

(http://www.nps.gov/ncrc/programs/rtca/helpfultools/Parks,%20Trails,%20and%20Health% 20Workbook Final%20Draft.pdf (http://www.nps.gov/ncrc/programs/rtca/helpfultools/Parks,%20Trails,% 20and%20Health%20Workbook Final%20Draft.pdf))

TRAIL USE RESEARCH

California State Parks' Public Opinions and Attitudes on Outdoor Recreation in California, 2012 (http://www.parks.ca.gov/pages/1324/files/PublicOpinionsAttitudes2012_spoa.pdf (/pages/1324/files/publicopinionsattitudes2012_spoa.pdf))

The Built Environment: Designing Communities to Promote Physical Activity in Children (http://pediatrics.aappublications.org/cgi/content/full/123/6/1591) (http://pediatrics.aappublications.org/cgi/content/full/123/6/1591))

Health Benefits of Trails (http://www.carolinathreadtrail.org/assets/files/Health%20Benefits.pdf (http://www.carolinathreadtrail.org/assets/files/Health%20Benefits.pdf))

USDA Forest Service, Internet Research Information Series Reports (http://www.srs.fs.usda.gov/trends/iris/recstats.html (http://www.srs.fs.usda.gov/trends/iris/recstats.html))

US Forest Service's "Greatest Good for the 21st Century: A Program for Pioneering Research on Changing Forest Values" (http://www.srs.fs.usda.gov/trends/)

Rails-To-Trails Conservancy

(http://www.railstotrails.org/whatwedo/trailbuilding/technicalassistance/toolbox/20080124_trailuser_surveys.html (http://www.railstotrails.org/whatwedo/trailbuilding/technicalassistance/toolbox/20080124_trailuser_surveys.html)

() ENVIRONMENTAL IMPACT ASSESSMENT

National Trails Training Partnership (http://www.americantrails.org/resources/wildlife/index.html)

Public Access and Wildlife Compatibility, Bay Conservation and Development Commission, 2001 (http://www.bcdc.ca.gov/pdf/planning/reports/public access wildlife.pdf (http://www.bcdc.ca.gov/pdf/planning/reports/public access wildlife.pdf))

Drinking Water from Forests and Grasslands: A Synthesis of the Scientific Literature, USDA Forest Service (www.p2pays.org/ref/16/15665.pdf#page=88) (http://www.p2pays.org/ref/16/15665.pdf#page=88) (http://webedit.parks.ca.gov/admin/contentscreens/www.p2pays.org/ref/16/15665.pdf#page=88)

Ecological Impacts of Recreational Use of Trails: A Literature Review (http://www.parks.ca.gov/pages/795/files/ecologicalimpactsrecreationalusers.pdf (/pages/795/files/ecologicalimpactsrecreationalusers.pdf))

Wintering Duck Response to Trail Use, 2009
(http://www.parks.ca.gov/pages/795/files/wintering%20duck%20response%20to%20trail%20use.pdf
(/pages/795/files/wintering%20duck%20response%20to%20trail%20use.pdf))
(http://webedit.parks.ca.gov/admin/contentscreens/undefined)

TRAIL CONDITION ASSESSMENT TOOLS / MAINTENANCE

California State Parks' Trail Maintenance Budget Worksheet
(Trail Maintenance Budget Sheets - Year 2015.xls (/pages/1324/files/trail%20maintenance%20budget%
20sheets%205-7-15%20master.xls))

Trail Monitoring Manual, Daniel Boone National Forest, 2004 (http://www.parks.ca.gov/pages/1324/files/daniel%20boone%20nf%20trail%20monitoring%20manual.pdf (/pages/1324/files/daniel%20boone%20nf%20trail%20monitoring%20manual.pdf))

<u>Trail Resource Impacts and an Examination of Alternative Assessment Techniques (/pages/1324/files/f10101% 20marion&leung.pdf)</u>

Assessing and Understanding Trail Degradation (/pages/1324/files/f10602%20marion&olive.pdf)

Trail Degradation Along the Pat Sin Range (/pages/1324/files/f19507%20leung&neller.pdf)

Assessing Trail Conditions in Protected Areas (/pages/1324/files/f19902%20leung&marion.pdf)

Research for the Development of Best Management Practices to Minimize Horse Trail Impacts, 2005 (/pages/1324/files/hoosier%20nf%20trail%20report,%20final.pdf (/pages/1324/files/hoosier%20nf%20trail%20report,%20final.pdf))

California State Parks' Trail Condition Class Systems
(http://www.parks.ca.gov/pages/1324/files/trail%20condition%20class%20systems.pdf
(/pages/1324/files/trail%20condition%20class%20systems.pdf))

Guidance for Managing Informal Trails, 2008 (http://www.parks.ca.gov/pages/1324/files/trail%20management%20guidance.pdf (/pages/1324/files/trail%20management%20guidance.pdf))

Integrated Trail Impact, Assessment and Monitoring to Meet Ecosystem Research and Monitoring Needs (http://www.parks.ca.gov/pages/1324/files/way%20integrated%20trail%20paper.pdf (/pages/1324/files/way%20integrated%20trail%20paper.pdf))

TRAIL MARKETING AND PROMOTION

Searches on the web for trail maps and information reveals a wide variety of for-profit and non-profit sites. Below are a few of the best non-profit sites in California:

There is now an impressive list of California trail info available from American Trails: http://americantrails.org/resources/statetrails/CAstate.html (http://americantrails.org/resources/statetrails/CAstate.html)

Pacific Crest Trail information from the Pacific Crest Trail Association: http://www.pcta.org/ (http://www.pcta.org/)

Coastwalk information about the California Coastal Trail: www.californiacoastaltrail.info/cms/pages/main/index.html) (http://www.californiacoastaltrail.info/cms/pages/main/index.html)

Extensive list of trail organizations and information:

http://www.fhwa.dot.gov/environment/recreational trails/publications/fs publications/07232816/page27.cfm (http://www.fhwa.dot.gov/environment/recreational trails/publications/fs publications/07232816/page27.cfm)

National Rails-to-Trails Map of California trails: http://www.traillink.com/TrailSearch.aspx?tn=&st=CA&ct=&sp=N)

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FUNDING / GRANT OPPORTUNITIES

California State Parks' Office of Grants & Local Services Includes Information on California's:

- * Recreational Trails program
- * Land and Water Conservation Fund
- * Habitat Conservation Fund
- * Proposition 40 and 50

(http://www/parks.ca.gov/?page_id=1008 (?page_id=1008))

National Trails Training Partnership
(www.americantrails.org/resources/fedfund/index.html
(http://www.americantrails.org/resources/fedfund/index.html))

National Park Service Rivers, Trails and Conservation Assistance Program (www.nps.gov/pwro/rtca (http://www.nps.gov/pwro/rtca))

California Trails & Greenways Foundation (www.ctgf.org (http://www.ctgf.org/))

Alliance for Biking and Walking Advocacy Advance Grants enable state and local bicycle and pedestrian advocacy organizations to develop, transform, and provide innovative strategies in their communities. (https://www.bikewalkalliance.org/what-we-do/grants-a-scholarships (https://www.bikewalkalliance.org/what-we-do/grants-a-scholarships))

California State Park Publications

Getting A Grip on Grants

Directory of Grant Funding Sources for California Park and Recreation Providers, 2004 (http://www.parks.ca.gov/pages/1324/files/concepts-directory%20of%20grant%20sources.pdf (/pages/1324/files/concepts-directory%20of%20grant%20sources.pdf))

California State Parks' Trails Policy

(http://www.parks.ca.gov/pages/795/files/2005-06 trails policy.pdf (/pages/795/files/2005-06 trails policy.pdf))

Statewide Program Environmental Impact Report for Roads and Trails Change-in-Use (PEIR) (http://www.parks.ca.gov/default.asp?page_id=26278 (?page_id=26278))

REGIONAL RESOURCES

Santa Barbara County Trails Council (http://sbtrails.org/ (http://sbtrails.org/))

Walk Bike Marin

(http://www.walkbikemarin.org (http://www.walkbikemarin.org/))

Action Coalition of Equestrians (Sacramento and surrounding foothills)

(http://www.acequestrians.org (http://www,acequestrians.org/))

Park Watch (Sacramento and surrounding foothills)

(www.parkwatchreport.org (http://www.parkwatchreport.org/))

Concerned Off-Road Bicyclists Association (Los Angeles and Ventura Counties)

(http://www.corbamtb.com/ (http://www.corbamtb.com/))

San Diego County's Indemnification Ordinance

(http://www.sdcounty.ca.gov/cob/ordinances/ord9233.pdf

(http://www.sdcounty.ca,gov/cob/ordinances/ord9233.pdf))

Santa Monica Mountains Trail Council

(http://www.smmtc.org/ (http://www.smmtc.org/))

RELATED PAGES

Roads and Trails Program (/?page_id=1324)

Change-In-Use Process (/?page_id=28461)

Road and Trail Management Plans - Approved (/?page id=28777)

California Trails and Greenways 2018 (/?page id=24151)

California Recreational Trails Plan & Progress Report (/?page_id=23443)

Northern California Hiking Opportunities (/?page_id=23903)

California State Parks

Statewide Trails Section

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Contact Us

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- **L** Public Information Inquiries: (916) 653-6995 | (800) 777-0369
- For Specific Park Questions: Contact Us Page (/?page_id=23110)
- General Questions: info@parks.ca.gov (malito:info@parks.ca.gov)

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RT @CaltransDist3 (http://twitter.com/CaltransDist3): UPDATE: Due to safety concerns and the incoming storm, Highway 89 around Emerald Bay will remain closed for the next few...

15m (https://twitter.com/CaltransDist3/status/976540878347972608)



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