

---

---

## Bibliography of Publications from Washington Office Engineering and Service Centers

---

---

This bibliography contains information on publications and other materials produced by the Washington Office Engineering staff and its service centers. Arranged by series, the list includes the title, author or source, document number, and date of publication.

This issue lists material published since our last bibliography (*Engineering Field Notes*, Volume 34, July–December 2002). Copies of *Engineering Field Notes* and most Engineering Management Series documents can be obtained from the Washington Office Engineering staff or from the Forest Service Intranet at <http://fsweb.wo.fs.fed.us/eng/pubs/efn/efn.cont.htm>. Copies of reports, Tech Tips, videotapes, compact disks, and digital video disks can be obtained from the center listed as the source. A number of special reports sponsored by the Geospatial Executive Board and authored by Geospatial Advisory Committee teams are available through the Geospatial Services and Technology Center and the Remote Sensing Applications Center.

USDA Forest Service  
Attn: Washington Office (WO) Engineering Staff, Sandy Grimm  
Stop Code 1101  
1400 Independence Avenue, SW.  
Washington, DC 20250-1101  
703-605-4503

USDA Forest Service  
San Dimas Technology and Development Center (SDTDC)  
444 East Bonita Avenue  
San Dimas, CA 91773  
909-599-1267  
USDA Forest Service

Missoula Technology and Development Center (MTDC)  
5785 Highway 10 West  
Missoula, MT 59808  
406-329-3900

USDA Forest Service  
Remote Sensing Applications Center (RSAC)  
2222 West 2300 South  
Salt Lake City, UT 84119  
801-975-3750

USDA Forest Service  
Geospatial Services and Technology Center (GSTC)  
2222 West 2300 South  
Salt Lake City, UT 84119  
801-975-3473

## Publications

### ENGINEERING MANAGEMENT SERIES AND OTHER PUBLICATIONS

The Engineering Management (EM) Series contains publications serving a purpose or reader and publications involving several disciplines that are applied to a specific problem.

### ENGINEERING FIELD NOTES (EFN)

This publication, published every 6 months, provides a forum for the exchange of information among U.S. Department of Agriculture (USDA) Forest Service personnel. It contains the latest technical and administrative engineering information and ideas related to forestry.

### EFN BY TITLE (VOLUME 35)

2002 <i>Engineering Field Notes</i> Article Award Nominations	Editor (Issue 1 2003): 45
2002 <i>Engineering Field Notes</i> Article Award Winners	Editor (Issue 1 2003): 7
2002 Forest Service Engineer of the Year Awards	Editor (Issue 1 2003): 24–40
2002 USDA Forest Service Engineering Special Recognition Award	Editor (Issue 1 2003): 41–42
Awards for Environmental Excellence	Editor (Issue 2 2003): 15
Bibliography of Publications from Washington Office Engineering and Detached Units	Editor (Issue 2 2003): 27–36
EFN Forum	Editor (Issue 1 2003): 3
EFN Forum	Editor (Issue 2 2003): 3
Engineering Bulletin Board	Editor (Issue 1 2003): 43–44
Engineering Bulletin Board	Editor (Issue 2 2003): 25–26
Fish Passage in Alaska, Oregon, Washington, California, and a State Near You!	Sowa, Richard W. and Horstmann, Ken L. (Issue 1 2003): 21–23
Is There a Fuel Cell in Your Future?	Snodgrass, Kathie (Issue 2 2003): 17–20

Landslide Computer Modeling Potential	Dixon, Michael D. (Issue 1 2003): 4–11
Leading-Edge Engineering Technology at the Georgia Tri-State Crematory	Schneider, Kent (Issue 2 2003): 5-6
Make a Difference Through Online Mentoring	Beighley, Deb [Issue 2 2003]: 23-24
Mandate to Work Effectively and Efficiently, A	Stokes, Vaughn (Issue 1 2003): 1–2
Packable Trail Bridges	Kattell, John [Issue 2 2003]: 9-14
Rapid Mapping of Active Wildland Fires: Integrating Satellite Remote Sensing, GIS, and Internet Technologies	Quayle, Brad (Issue 1 2003): 12–18
Technology and Development Innovations Now on the Internet	Lindler, Bert (Issue 1 2003): 19–20
Washington Office Engineering Helps Achieve USDA Forest Service’s First Clean Audit	Bodin, Claudine [Issue 2 2003]: 21
Searching for a New Paradigm: No More Business as Usual	Stokes, Vaughn (Issue 2 2003): 1-2

EFN BY AUTHOR  
(VOLUME 35)

Beighley, Deb	Make a Difference Through Online Mentoring [Issue 2 2003]: 23-24
Bodin, Claudine	Washington Office Engineering Helps Achieve USDA Forest Service’s First Clean Audit [Issue 2 2003]: 21
Dixon, Michael D.	Landslide Computer Modeling Potential (Issue 1 2003): 4–11
Editor	<i>2002 Engineering Field Notes</i> Article Award Nominations (Issue 1 2003): 45
Editor	<i>2002 Engineering Field Notes</i> Article Award Winners (Issue 2 2003): 7

Editor	2002 Forest Service Engineer of the Year Awards (Issue 1 2003): 24–40
Editor	2002 USDA Forest Service Engineering Special Recognition Award (Issue 1 2003): 41–42
Editor	Awards for Environmental Excellence (Issue 2 2003): 15
Editor	Bibliography of Publications from Washington Office Engineering and Detached Units (Issue 2 2003): 27-36
Editor	EFN Forum (Issue 1 2003): 3
Editor	EFN Forum (Issue 2 2003): 3
Editor	Engineering Bulletin Board (Issue 1 2003): 43–44
Editor	Engineering Bulletin Board (Issue 2 2003): 25-26
Kattell, John	Packable Trail Bridges [Issue 2 2003]: 9-14
Lindler, Bert	Technology and Development Innovations Now on the Internet (Issue 1 2003): 19–20
Quayle, Brad	Rapid Mapping of Active Wildland Fires: Integrating Satellite Remote Sensing, GIS, and Internet Technologies (Issue 1 2003): 12–18
Schneider, Kent	Leading-Edge Engineering Technology at the Georgia Tri-State Crematory (Issue 2 2003): 5-6
Snodgrass, Kathie	Is There a Fuel Cell in Your Future? (Issue 2 2003): 17-20

Sowa, Richard W.  
and  
Horstmann, Ken L.

Fish Passage in Alaska,  
Oregon, and Washington,  
California, and a State  
Near You!  
(Issue 1 2003): 21-23

Stokes, Vaughn

Mandate to Work Effectively  
and Efficiently, A  
(Issue 1 2003): 1-2

Stokes, Vaughn

Searching for a New Paradigm:  
No More Business as Usual  
(Issue 2 2003): 1-2

## OTHER EM PUBLICATIONS

### PROJECT REPORTS

<b>Title</b>	<b>Number</b>	<b>Source</b>	<b>Date</b>
Assessing Abandoned Mines with Geospatial Technologies (by Denise Laes, Paul Maus, Henry Lachowski, Jess Clark, Beau Jarvis, Haans Fisk)	RSAC-37-RPT1	RSAC	03/03
A Checklist for Lidar Users (by Paul Maus, Beau Jarvis, Vicky Johnson, and Denise Laes)	RSAC-39-RPT1	RSAC	04/03
Technology Evaluation for Mapping Roads and Trails in the Ocala National Forest, Florida (by Michael Williamson, Don Evans, Henry Lachowski, Laura Lowery, William Clerke, Dexter Meadows, and LTanga Watson)	RSAC-41-RPT1	RSAC	04/02
Characterizing Meadow Vegetation with Multitemporal Landsat Thematic-Mapper Remote Sensing (by Karen Owens, Henry Lachowski, Alan Ager, and Colin Grizwald)	RSAC-42-RPT1	RSAC	03/03
Monitoring Rangeland Utilization and Trends with Remote Sensing (by John Gillham, Vicky Johnson, Haans Fisk, Tom Mellin, Cameron Tongier, and Bill Krausmann)	RSAC-44-RPT1	RSAC	03/03
Anadromous Fish Strainers for Use in Wildland Drafting Operations (by Lois Sicking)	0351 1203	SDTDC	03/03
Synopsis of Biomechanical Analysis of Grubbing Technique in the Use of Fire Handtools (by Lois Sicking)	0351 1204	SDTDC	09/03

BAER Necessities for Hydrologists and Engineers: A Guide to Basic Burned Area Emergency Rehabilitation Treatments (by Jeff Moll)	0377 1205	SDTDC	09/03
Remote Internet Protocol Communication Flight Testing (by Thomas Zajkowski)	RSAC-1307-RPT1	RSAC	04/03
Remote Sensing Tips Visualizing Past and Present Mining Activities Using Geospatial Technologies (by Denise Laes, Paul Maus, and Linda Lanham)	RSAC-37-TIP1	RSAC	04/03
Kodak DCS Pro Back 645C Color Infrared Digital Camera (by Paul Ishikawa, Jr.)	RSAC-1505-TIP1	RSAC	04/03
Characterizing Upland Meadows with Multitemporal Landsat Thematic Mapper Remote Sensing (by Karen Owens, Henry Lachowski, and Alan Ager)	RSAC-42-TIP1	RSAC	03/03
Mapping Potential Bare Soil Areas Using Digital Orthophotography Quadrangles (DOQs) (by Vicky Johnson, Henry Lachowski, and Robert Davidson)	RSAC-47-TIP1	RSAC	02/03
Processing MODIS Imagery of Major Wildfires (by Richard Warnick, Mark Finco, John Gillham, Dmitriy Kostyuchinko, John Norton, Brad Quayle, and Keith Lannom)	RSAC-2002-TIP1	RSAC	01/03

TECH TIPS

<b>Title</b>	<b>Number</b>	<b>Source</b>	<b>Date</b>
Crosscut Saw Underbucking Tool (by Chuck Whitlock and Chuck Harding) <a href="http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm02232330">http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm02232330</a>	0223-2330	MTDC	12/02
Whitebark Pine Seed Scarifier (by Dave Gasvoda, Andy Trent, Chuck Harding, and Karen Burr) <a href="http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm02242332">http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm02242332</a>	0224-2332	MTDC	11/02
Windshields for Precipitation Gauges and Improved Measurement Techniques for Snowfall (by Seth Hansen and Mary Davies) <a href="http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm02252325">http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm02252325</a>	0225-2325	MTDC	10/02
Remote Telemetry System for Particulate Monitoring (by Andy Trent) <a href="http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm02252329">http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm02252329</a>	0225-2329	MTDC	11/02

<b>Title</b>	<b>Number</b>	<b>Source</b>	<b>Date</b>
Your Hardhat: Inspection and Maintenance (by Chuck Whitlock) <a href="http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm02672331">http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm02672331</a>	0267-2331	MTDC	11/02
Bar-Code Tracking Systems Overview (by Jasen Neese and Kathie Snodgrass) <a href="http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm02712333">http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm02712333</a>	0271-2333	MTDC	12/02
Wildlife Toolkit Launched (by Sandra Jacobson)	0323 1301	SDTDC	03/03
Two-Cubic-Yard Bearproof Dumpster (by Lester Sinclair)	0323 1302	SDTDC	03/03
SST Installation Guide (by Brenda Land)	0323 1303	SDTDC	03/03
Wilderness Permit Systems and the Forest Service's Infra Database (by Ann Suter)—electronic only <a href="http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03232330">http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03232330</a>	0323-2330	MTDC	09/03
Hardwood Cuttings Saw and Clamping System (by Gary Kees) <a href="http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03242317">http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03242317</a>	0324-2317	MTDC	09/03
An Introduction to Spark Arresters (by Ralph Gonzales)	0351 1304	SDTDC	06/03
Multiposition Small-Engine Spark Arresters (by Ralph Gonzales)	0351 1305	SDTDC	06/03
General-Purpose Spark Arresters (by Ralph Gonzales)	0351 1306	SDTDC	06/03
Off-Highway Vehicle Spark Arresters (by Ralph Gonzales)	0351 1307	SDTDC	06/03
Railroad Locomotive Spark Arresters (by Ralph Gonzales)	0351 1308	SDTDC	06/03
Draft Hose Comparison Study (by Lois Sicking)	0351 1309	SDTDC	06/03
New Generation Fire Shelter Developed for Wildland Firefighters (by Leslie Anderson and Tony Petrilli) <a href="http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03512313">http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03512313</a>	0351-2313	MTDC	05/03
Transporting Aluminum Fuel Bottles Inside Aircraft (by Wes Throop) <a href="http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03512315">http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03512315</a>	0351-2315	MTDC	05/03

<b>Title</b>	<b>Number</b>	<b>Source</b>	<b>Date</b>
Retrofit Harness for the Firefighter's Yellow Field Pack (by Bill Kilroy and George Jackson) <a href="http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03512324">http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03512324</a>	0351-2324	MTDC	07/03
Fuel Cells Are Coming (by Kathie Snodgrass and Longchaw Lee) <a href="http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03712307">http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03712307</a>	0371-2307	MTDC	04/03
Accessible Handpump for Forest Service Campgrounds (by Bob Beckley) <a href="http://www.fs.fed.us/eng/t-d.php?link=pubs/pdfpubs/pdf03712333">http://www.fs.fed.us/eng/t-d.php?link=pubs/pdfpubs/pdf03712333</a>	0371-2333	MTDC	08/03

## SPECIAL REPORTS

<b>Title</b>	<b>Number</b>	<b>Source</b>	<b>Date</b>
Managing Degraded Off-Highway Vehicle Trails in Wet, Unstable, and Sensitive Environments (by Kevin Meyer) <a href="http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm02232821">http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm02232821</a>	0223-2821	MTDC	10/02
MTDC Air Program News #3 (by Andy Trent)—electronic only <a href="http://fsweb.mtdc.wo.fs.fed.us/program/wsa/air_news/issue3.htm">http://fsweb.mtdc.wo.fs.fed.us/program/wsa/air_news/issue3.htm</a>	0225-2838	MTDC	12/02
MTDC Portable Vehicle Washer: Interim Report (by Andy Trent, Dick Karsky, and Scott Gilmour) <a href="http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm02342836">http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm02342836</a>	0234-2836	MTDC	12/02
Wildland Firefighter Health & Safety Report No. 6 (by Brian Sharkey) <a href="http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm02512837">http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm02512837</a>	0251-2837	MTDC	12/02
Assembling a Bar-Code Tracking System (by Kathie Snodgrass and Jasen Neese) <a href="http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm02712834">http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm02712834</a>	0271-2834	MTDC	03/03
The New Generation Fire Shelter (by Leslie Anderson)—electronic only <a href="http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03512803">http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03512803</a>	0351-2803	MTDC	03/03
Evaluating the Potential for Risk Compensation with the New Fire Shelter (by J.D. Schindler)—electronic only <a href="http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03512804">http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03512804</a>	0351-2804	MTDC	06/03
Work Capacity Test: Administrator's Guide (by Chuck Whitlock and Brian Sharkey)—electronic only <a href="http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03512805">http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03512805</a>	0351-2805	MTDC	04/03



<b>Title</b>	<b>Number</b>	<b>Source</b>	<b>Date</b>
Wildland Firefighter Health & Safety Report No. 7 (by Brian Sharkey) <a href="http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03512818">http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03512818</a>	0351-2818	MTDC	08/03
Fire Level 1 (by Dale Dague)	0352 1801	SDTDC	09/03
FS-14 Parachute Packing Instructions (by Pat Wilson) <a href="http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03572806">http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03572806</a>	0357-2806	MTDC	04/03
Accident Investigation Guide: 2003 Edition (by Chuck Whitlock) <a href="http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03672808">http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03672808</a>	0367-2808	MTDC	05/03
Investigative Methods for Controlling Groundwater Flow to Underground Mine Workings (by Phyllis Hargrave, John Metesh, Ken McBride, and Steve Oravetz)—electronic only <a href="http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03712801">http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03712801</a>	0371-2801	MTDC	08/03
T&D News: Number 1, 2003 (by Bill Kilroy and Jerry Taylor Wolf) <a href="http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03712802">http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03712802</a>	0371-2802	MTDC	01/03
Sign Installation Guide (by Andy Trent and Donna Sheehy) <a href="http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03712812">http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03712812</a>	0371-2812	MTDC	08/03
T&D News: Number 2, 2003 (by Bill Kilroy and Jerry Taylor Wolf) <a href="http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03712826">http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03712826</a>	0371-2826	MTDC	07/03

VIDEOTAPES (VHS),  
COMPACT DISKS (CD),  
AND DIGITAL VIDEO  
DISKS (DVD)

<b>Title</b>	<b>Number</b>	<b>Source</b>	<b>Date</b>
Forest Roads and the Environment (VHS produced by Alan Yamada, Anthony Edwards, and Jerry Firth) <i>Winner of the 2003 Chief's Award for Technology Transfer</i>	0277 1401	SDTDC	01/02
Reading the Traveled Way (VHS produced by Alan Yamada, Anthony Edwards, and Jerry Firth) <i>Winner of the 2003 Chief's Award for Technology Transfer</i>	0277 1402	SDTDC	01/02
Reading Beyond the Traveled Way (VHS produced by Alan Yamada, Anthony Edwards, and Jerry Firth) <i>Winner of the 2003 Chief's Award for Technology Transfer</i>	0277 1403	SDTDC	01/02

<b>Title</b>	<b>Number</b>	<b>Source</b>	<b>Date</b>
Smoothing and Reshaping the Traveled Way (VHS produced by Alan Yamada, Anthony Edwards, and Jerry Firth) <i>Winner of the 2003 Chief's Award for Technology Transfer</i>	0277 1404	SDTDC	01/02
Maintaining the Ditch and Surface Cross Drains (VHS produced by Alan Yamada, Anthony Edwards, and Jerry Firth)	0277 1405	SDTDC	01/02
Ground-Based Harvesting—A Tool for Resource Management VHS	0324 1401	SDTDC	02/03
Personal Safety in Remote Locations: Avoiding Trouble (by Jon Driessen and Lisa Outka-Perkins) VHS <a href="http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03672323">http://www.fs.fed.us/eng/t-d.php?link=pubs/htmlpubs/htm03672323</a>	0367-2323	MTDC	07/03
Water/Road Interaction Series CD	0377 1402	SDTDC	02/03
Aquatic Species Road–Stream Crossings (Brief Introduction) VHS	0377 1403	SDTDC	05/03
Aquatic Species Road–Stream Crossings (General Overview) VHS	0377 1404	SDTDC	05/03
NRIS: Getting Field Work Done ... Better, Faster, Cheaper VHS	0319 1405	SDTDC	09/03
NRIS: Getting Field Work Done ... Better, Faster, Cheaper CD	0319 1406	SDTDC	09/03
NRIS: Getting Field Work Done ... Better, Faster, Cheaper DVD	0319 1407	SDTDC	09/03