U.S. Department of Commerce
NTRL
National Technical Reports Library

volume 4 • number 4 • October 15th, 2011 Newsletter

National Technical Reports

Waterways: Management & Restoration

PB2011112701
Factors for Improved Fish Passage Waterway Construction.
Oregon Dept. of Transportation, Salem. Policy/Research Section.
2011, 126p
Related Categories/Sub-Categories:
43G (Transportation)
50A (Highway Engineering)
50B (Civil Engineering)
91B (Transportation & Traffic Planning)
98F (Fisheries & Aquaculture)
Keywords: Channels (Waterways), Erosion, Fish Passages.

ADA542090
Homeland Security: A Selected Bibliography.
Army War Coll., Carlisle Barracks, PA. Library.
2011, 36p
Related Categories/Sub-Categories:
88B (Information Systems)
91I (Emergency Services & Planning)
Keywords: Waterways, Homeland security, Bibliographies.

ADA528457
Army Corps of Engineers Water Resource Projects: Authorization and Appropriations. Updated July 29, 2010.
Congressional Research Service, Washington, DC.
2010, 19p
CRS-R41243
Related Categories/Sub-Categories:
48G (Hydrology & Limnology)
50B (Civil Engineering)
74 (Military Sciences)
92 (Behavior & Society)
Keywords: Water resources, Federal budgets, Channels (Waterways).

ADA528082
Evapotranspiration, Water Table Fluctuations, and Riparian Restoration: Report Documentary 2007-2008 Work.
New Mexico Univ., Albuquerque. Dept. of Civil Engineering.
2010, 41p
ERDC/CHL-CR-10-A
Related Categories/Sub-Categories:
47C (Physical & Chemical Oceanography)
Keywords: Ground water, Basins (Geographic), Evapotranspiration.

ADA538838
Research Study of River Information Services on the US Inland Waterway Network.
Engineer Research and Development Center, Middlesex (United Kingdom). International Research Office.
2011, 7p
Related Categories/Sub-Categories:
48G (Hydrology & Limnology)
50B (Civil Engineering)
76D (Navigation Systems)
85G (Marine & Waterway Transportation)
Keywords: Rivers, Inland waterways, Navigation.

PB2011113253
EPA's Office of Wetlands, Oceans and Watersheds: Sustainable Communities Healthy Watersheds. 2010 Annual Report.
Environmental Protection Agency, Washington, DC. Office of Wetlands, Oceans and Watersheds.
2011, 20p
EPA/840/R-11-001
See also PB2010-110575, 2009 annual report.
Related Categories/Sub-Categories:
47 (Ocean Sciences & Technology)
48B (Natural Resource Management)
48G (Hydrology & Limnology)
57H (Ecology)
68D (Water Pollution & Control)
Keywords: Water pollution abatement, Watersheds, Wetlands.

National Technical Reports *Newsletter*

Purpose: To bring you a sampling of the latest documents added to the NTIS Database and to help you gain a greater understanding of the wealth of scitech information available from the National Technical Information Service.

Director: Bruce Borzino
Associate Director for Product Management & Acquisition: Don Hagen
Manager, Cataloging/Indexing Division: Sue Feindt
Manager, Product & Program Management: Wayne Strickland
Contributing Program Manager: Christie Langone
Technical Information Specialist: Anne Harrison
Design & Layout: Brian Congdon

This Newsletter is published twelve times a year, and delivered via e-mail on or about the 15th of each month. You may subscribe or unsubscribe by writing to **ntrnews@ntis.gov**. We can only unsubscribe you if you receive your copy from **ntrnews@ntis.gov**. Copies are also re-distributed through listservs and by other subscribers. For back issues to the Newsletter **click here**.

The ntrnews subscribers list is not shared with any other entities for any purpose. Your comments are always welcome. Write us at **ntrnews@ntis.gov**.

Permission to redistribute this newsletter is granted.

National Technical Information Service
U.S. Department of Commerce
5301 Shawnee Road
Alexandria, VA 22312

PB2010104721
Report from the Workshop on Indicators of Final Ecosystem Services for Streams (Meeting Date: July 13 to 16, 2009).
National Health and Environmental Effects Research Lab., Corvallis, OR. Western Ecology Div.
2009, 56p
EPA/600/R-09/137
Related Categories/Sub-Categories:
48G (Hydrology & Limnology)
57H (Ecology)
Keywords: Ecosystems, Streams, Environmental impact.

ADA541395
Short Sea Shipping: Barriers, Incentives and Feasibility of Truck Ferry.
Massachusetts Inst. of Tech., Cambridge.
2009, 147p
Related Categories/Sub-Categories:
43G (Transportation)
47A (Marine Engineering)
85G (Marine & Waterway Transportation)
91B (Transportation & Traffic Planning)
Keywords: Cargo, Marine transportation, Short sea shipping.

ADA513997
Aerial Remote Radio Frequency Identification System for Small Vessel Monitoring.
Naval Postgraduate School, Monterey, CA.
2009, 132p
Related Categories/Sub-Categories:
45C (Common Carrier & Satellite)
47A (Marine Engineering)
49 (Electrotechnology)
Keywords: Identification systems, Small ships, Antennas.

Key to Database Fields Used

The following NTIS database fields are used in this short listing of recently acquired technical reports.

NTIS Order Number
Title
Source
Report Year, Page Count
Report Number/ISBN13 (if available)
Related Categories/Sub-categories (where the document is also indexed)
Keywords

RSS Feeds are available in your choice of NTIS Subject Category. For information use the RSS link on the NTIS Homepage and look for the Category RSS Feeds button.

ADA497865
Maritime Security: Vessel Tracking Systems Provide Key Information, but the Need for Duplicate Data Should Be Reviewed.
General Accountability Office, Washington, DC.
2009, 59p
GAO-09-337
Related Categories/Sub-Categories:
47A (Marine Engineering)
47C (Physical & Chemical Oceanography)
63F (Optical Detection)
91I (Emergency Services & Planning)
Keywords: Homeland security, Coastal regions, Ports (Facilities)

PB2004102171
Coastal Remote Sensing.
National Oceanic and Atmospheric Administration, Charleston, SC. Coastal Services Center.
2003, 74p
Related Categories/Sub-Categories:
48B (Natural Resource Management)
63H (Radiofrequency Detection)
68D (Water Pollution & Control)
85G (Marine & Waterway Transportation)
Keywords: Remote sensing, Coastal management, Remote detectors.

PB2011113252
National Marine Debris Monitoring Program: Final Program Report, Data Analysis & Summary.
Environmental Protection Agency, Washington, DC. Office of Water.
2007, 74p
Related Categories/Sub-Categories:
43F (Environment)
48B (Natural Resource Management)
68C (Solid Wastes Pollution & Control)
68D (Water Pollution & Control)
91A (Environmental Management & Planning)
Keywords: Water pollution monitoring, Federal mandates, Marine debris.

ADA527037
Improving the Coast Guard Ports, Waterways and Coastal Security Outcome Measure.
Naval Postgraduate School, Monterey, CA.
2009, 143p
Related Categories/Sub-Categories:
74G (Military Operations, Strategy, & Tactics)
Keywords: Homeland security, Ports (Facilities), Waterways.

ADA511384
Inland Rivers Floating Aids.
Coast Guard Academy, New London, CT. Research and Development Center.
2009, 65p
Related Categories/Sub-Categories:
76D (Navigation Systems)
Keywords: Inland waterways, Buoys, Marine navigation.

FEDERAL LABORATORY CONSORTIUM FOR TECHNOLOGY TRANSFER

FLC *advancing federal research and technology*

The Federal Laboratory Consortium for Technology Transfer (FLC) and the National Technical Information Service (NTIS) continuously collaborate on the process of Federal Technology Transfer.

The FLC is the nationwide network of federal laboratories that provides the forum to develop strategies and opportunities for linking laboratory mission technologies and expertise with the marketplace. The FLC consists of more than 250 Federal Laboratories.

As an agency of the U.S. Department of Commerce, the NTIS mission is to provide for the acquisition, archiving and dissemination of technological, scientific, and engineering information. Much of this permanent repository of information is the result of research conducted by federal laboratories that are members of the FLC. The collaborative effort of the FLC and NTIS ensures the perpetual availability of this vital research to American businesses and industries.

www.federallabs.org

ADA484149
Ice Considerations in the Design of River Restoration Structures.
Engineering Research and Development Center, Hanover, NH. Cold Regions Research and Engineering Lab.
2008, 35p
ERDC/CRREL-TR-08-2
Related Categories/Sub-Categories:
48G (Hydrology & Limnology)
48H (Snow, Ice, & Permafrost)
Keywords: Ice formation, River restoration, In stream structures.

ADA485775
Condition Assessment Methodology for Spillways.
Construction Engineering Research Lab. (Army), Champaign, IL. Engineer Research and Development Center.
2008, 126p
ERDC/CERL-TR-08-10
Related Categories/Sub-Categories:
48G (Hydrology & Limnology)
50B (Civil Engineering)
Keywords: Spillways, Waterways, Flood control.

ADA473874
Radio Frequency Identification's Potential to Monitor Small Vessels.
Naval Postgraduate School, Monterey, CA.
2007, 79p
Related Categories/Sub-Categories:
46H (Radiofrequency Waves)
47A (Marine Engineering)
Keywords: Radiofrequency, Small ships, Naval vessels.

> "NTRL provides an affordable way to provide our patrons with direct desktop access to the kinds of technical reports our patrons need in pdf format, with an easy to use interface and a simple IP address authentication. We also appreciate the fact that NTIS provides us with usage statistics that show what reports are being downloaded and in what quantity. That helps us justify our investment in NTRL to upper management."
>
> - Ken Winter, MLIS, Director of Library and Information Services, VDOT Research Library

Major Subject Categories

Category Codes* / Title		New for September Quantity**
41	Manufacturing Technology	20
43	Problem Solving Information for State & Local Governments	279
44	Health Care	189
45	Communication	72
46	Physics	180
47	Ocean Sciences & Technology	67
48	Natural Resources & Earth Sciences	305
49	Electrotechnology	43
50	Civil Engineering	111
51	Aeronautics & Aerodynamics	125
54	Astronomy & Astrophysics	42
55	Atmospheric Sciences	99
57	Medicine & Biology	456
62	Computers, Control & Information Theory	135
63	Detection & Countermeasures	42
68	Environmental Pollution & Control	366
70	Administration & Management	323
71	Materials Sciences	92
72	Mathematical Sciences	85
74	Military Sciences	292
75	Missile Technology	3
76	Navigation, Guidance, & Control	10
77	Nuclear Science & Technology	130
79	Ordnance	23
81	Combustion, Engines, & Propellants	50
82	Photography & Recording Devices	9
84	Space Technology	84
85	Transportation	212
88	Library & Information Sciences	60
89	Building Industry Technology	33
90	Government Inventions for Licensing	1
91	Urban & Regional Technology & Development	282
92	Behavior & Society	343
94	Industrial & Mechanical Engineering	40
95	Biomedical Technology & Human Factors	40
96	Business & Economics	232
97	Energy	215
98	Agriculture & Food	137
99	Chemistry	139

** For a listing of Scope Notes that defines the specific topical content for each category, go to http://www.ntis.gov/assets/pdf/scopenotes.pdf*

*** Quantities represent each new report assigned on average to 3-5 categories.*

ADA469583
Leveraging the Strategic Value of the U.S. Inland Waterway System.
Army War Coll., Carlisle Barracks, PA.
2007, 26p
Related Categories/Sub-Categories:
48G (Hydrology & Limnology)
74G (Military Operations, Strategy, & Tactics)
92 (Behavior & Society)
96 (Business & Economics)
Keywords: Military strategy, International politics, Inland waterways.

ADA466633
Analyzing the Interdiction of Sea-Borne Threats Using Simulation Optimization.
Air Force Inst. of Tech., Wright-Patterson AFB, OH. School of Engineering and Management.
2007, 95p
AFIT/GOR/ENS/07-03
Related Categories/Sub-Categories:
47A (Marine Engineering)
62B (Computer Software)
70B (Management Practice)
85G (Marine & Waterway Transportation)
Keywords: Computerized simulation, Security, Coast Guard.

ADA444810
Frequency-Asked Questions (FAQs) About Coastal Inlets and U.S. Army Corps of Engineers' Coastal Inlets Research Program (CIRP).
Army Engineer Waterways Experiment Station, Vicksburg, MS. Coastal Hydraulics Lab.
2006, 22p
ERDC/CHL-CHETN-IV-67
Related Categories/Sub-Categories:
48G (Hydrology & Limnology),
62B (Computer Software)
Keywords: Coastal engineering, Hydrodynamics, Inlets (Waterways).

Subject Category Codes/Classification

NTIS classifies citations into 39 subject categories. Each of these subject categories is divided into subcategories. This method provides sorting categories for both hard and soft sciences. All subject categories consist of three character codes: two numerics and one alpha character.The numeric codes represent entire categories the alpha codes are used to designate subcategories within these broad categories. The number of NTIS subcategories posted to an information product average from three to five, although there are some reports with more.

PB2005110804
Dredged Material Management. Action Agenda for the Next Decade.
Environmental Protection Agency, Washington, DC. Office of Water.
2003, 90p
Related Categories/Sub-Categories:
48G (Hydrology & Limnology)
68C (Solid Wastes Pollution & Control)
68D (Water Pollution & Control)
Keywords: Dredged materials, Waste disposal, Environmental protection.

ADA427596
Estimating Risk from Spillways on Dams Using Condition Assessment Data.
Naval War Coll., Newport, RI.
2004, 124p
Related Categories/Sub-Categories:
50B (Civil Engineering)
Keywords: Dams, Flood control, Inland waterways.

ADA508729
Depth-Utilization Analysis for Estimating Economic Activity Supported by Dredging.
Army Engineer Waterways Experiment Station, Vicksburg, MS. Coastal Hydraulics Lab.
2009, 10p
Related Categories/Sub-Categories:
50B (Civil Engineering)
96 (Business & Economics)
Keywords: Economics, Waterborne, Dredging.

PB2004102171
Coastal Remote Sensing.
National Oceanic and Atmospheric Administration, Charleston, SC. Coastal Services Center.
2003, 74p
Related Categories/Sub-Categories:
48B (Natural Resource Management)
63H (Radiofrequency Detection)
68D (Water Pollution & Control)
85G (Marine & Waterway Transportation)
Keywords: Remote sensing, Coastal management, Remote detectors.

Photo: Architect of the Capitol

ADA474463
Summary of Available Guidance and Best Practices for Determining Suitability of Dredged Material for Beneficial Uses.
Army Engineer Waterways Experiment Station, Vicksburg, MS. Environmental Lab.
2007, 104p
ERDC/EL-TR-07-27
Related Categories/Sub-Categories:
47C (Physical & Chemical Oceanography)
50B (Civil Engineering)
68C (Solid Wastes Pollution & Control)
Keywords: Dredged materials, Sediments, Stabilization.

PB2011113254
Tennessee River: Waterway Management Plan.
Coast Guard, Washington, DC. Corps of Engineers, Washington, DC. Tennessee Valley Authority, Knoxville, TN.
2003, 51p
Related Categories/Sub-Categories:
48G (Hydrology & Limnology)
50B (Civil Engineering)
55 (Atmospheric Sciences)
68D (Water Pollution & Control)
85G (Marine & Waterway Transportation)
Keywords: Rivers, Waterway management, Marine transportation emergency responses.

U.S. Department of Commerce
NTRL v 2.0
National Technical Reports Library

The National Technical Reports Library (NTRL) enhances accessibility to the NTIS technical reports collection. It provides access to:

- **Bibliographic records of more than 2,000,000 technical reports**
- **Downloadable full text of 600,000 of these reports in PDF format**
- **Subscription rates are based on institutional FTE levels.**

The NTRL operates on a system interface that allows users to do queries on the large NTIS bibliographic database. The intent is to broadly expand and improve access to over 2 million bibliographic records (pre-1960 to present) and 600k full-text documents in PDF Format that are directly linked to that bibliographic database.

For more information, go to:
http://www.ntis.gov/products/ntrl/

The Nation's Source for Scientific Information

The National Technical Information Service (NTIS), is the nation's largest and most comprehensive source of government-funded scientific, technical, engineering and business-related information.

For more than 60 years, we have served as an innovative resource to Federal agencies, businesses and universities looking for high-caliber information. Our mission is straight-forward: to support the nation's economic growth by providing access to information that stimulates innovation and discovery.

While you can find information on virtually any subject on the web, there's no guarantee that the information is accurate — or that it has been published by a legitimate source. NTIS undergoes a rigorous process to ensure that all the information we offer is authentic and credible. This integrity, along with the breadth and depth of our collection, is why NTIS is regarded as the nation's preeminent source of government information.

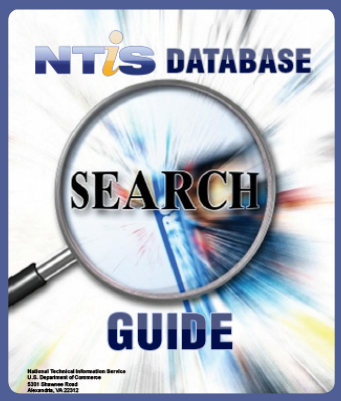
Any of the technical reports listed in this newsletter can be ordered directly from the National Technical Information Service, simply click on the title to go to the product detail page on NTIS.GOV.

If your organization is a subscriber to the National Technical Reports Library, most of the reports listed can be downloaded free there. For information on how to subscribe to NTRL, go to ***http://www.ntis.gov/products/ntrl/***.

Title Index - For NTRL Users

The following is a list of the titles included in this month's issue, without links to the NTIS Website. The list is in alphabetical order.

NTIS number	Category	Title
ADA513997	45	Aerial Remote Radio Frequency Identification System for Small Vessel Monitoring.
ADA466633	47	Analyzing the Interdiction of Sea-Borne Threats Using Simulation Optimization.
ADA528457	50	Army Corps of Engineers Water Resource Projects: Authorization and Appropriations. Updated July 29, 2010.
ADA454040	91	Border and Transportation Security: Overview of Congressional Issues.
PB2004102171	48	Coastal Remote Sensing.
ADA485775	50	Condition Assessment Methodology for Spillways.
ADA508729	96	Depth-Utilization Analysis for Estimating Economic Activity Supported by Dredging.
PB2005110804	68	Dredged Material Management. Action Agenda for the Next Decade.
PB2011113253	47	EPA's Office of Wetlands, Oceans and Watersheds: Sustainable Communities Healthy Watersheds. 2010 Annual Report.
ADA427596	50	Estimating Risk from Spillways on Dams Using Condition Assessment Data.
ADA528082	47	Evapotranspiration, Water Table Fluctuations, and Riparian Restoration: Report Documentary 2007-2008 Work.
PB2011112701	98	Factors for Improved Fish Passage Waterway Construction.
ADA444810	62	Frequency-Asked Questions (FAQs) About Coastal Inlets and U.S. Army Corps of Engineers' Coastal Inlets Research Program (CIRP).
ADA542090	91	Homeland Security: A Selected Bibliography.
ADA484149	48	Ice Considerations in the Design of River Restoration Structures.
ADA527037	74	Improving the Coast Guard Ports, Waterways and Coastal Security Outcome Measure.
ADA511384	76	Inland Rivers Floating Aids.
ADA469583	74	Leveraging the Strategic Value of the U.S. Inland Waterway System.
ADA497865	63	Maritime Security: Vessel Tracking Systems Provide Key Information, but the Need for Duplicate Data Should Be Reviewed.
PB2011113252	68	National Marine Debris Monitoring Program: Final Program Report, Data Analysis & Summary.
ADA419127	70	Product Life Cycle Planning.
ADA473874	46	Radio Frequency Identification's Potential to Monitor Small Vessels.
PB2010104721	57	Report from the Workshop on Indicators of Final Ecosystem Services for Streams (Meeting Date: July 13 to 16, 2009).
ADA538838	48	Research Study of River Information Services on the US Inland Waterway Network.
ADA541395	85	Short Sea Shipping: Barriers, Incentives and Feasibility of Truck Ferry.
ADA474463	50	Summary of Available Guidance and Best Practices for Determining Suitability of Dredged Material for Beneficial Uses.
PB2011113254	50	Tennessee River: Waterway Management Plan.



Just Revised: the NTIS Database Search Guide

Gain an in-depth understanding of the NTIS database structure with this new guide:

- Comprehensive list of NTIS Categories
- Helpful information and search hints
- Reference Guide to online commercial services and the NTRL
- Great Reference Manual & Teaching Tool

Free Download: http://www.ntis.gov/assets/pdf/dbguide.pdf