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
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
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).

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)
760 (Navigation Systems)
85G (Marine & Waterway Transportation)
Keywords: Rivers, Inland waterways, Navigation.

PB2011113253
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.
ADA497865
Maritime Security: Vessel Tracking Systems Provide Key Information, but the Need for Duplicate Data Should Be Reviewed.
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.
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.

Key to Database Fields Used
The following NTIS database fields are used in this short listing of recently acquired technical reports.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTIS Order Number</td>
<td></td>
</tr>
<tr>
<td>Title</td>
<td></td>
</tr>
<tr>
<td>Report Year, Page Count</td>
<td></td>
</tr>
<tr>
<td>Report Number/ISBN13 (if available)</td>
<td></td>
</tr>
<tr>
<td>Related Categories/Sub-categories/ (where the document is also indexed)</td>
<td></td>
</tr>
<tr>
<td>Keywords</td>
<td></td>
</tr>
</tbody>
</table>

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.

ADA513997
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.

ADA484149
Ice Considerations in the Design of River Restoration Structures.
Engineer 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.

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:
76G (Navigation Systems)
Keywords: Inland waterways, Buoys, Marine navigation.

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

ADA473874
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 **

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

* 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.

ADA4469583
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.

ADA4466633
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-CETN-IV-67

Related Categories/Sub-Categories:
48G (Hydrology & Limnology),
62B (Computer Software)

Keywords: Coastal engineering, Hydrodynamics, Inlets (Waterways).
**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.

---

**ADA474463**
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**
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.

---

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 straightforward: 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.
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.

<table>
<thead>
<tr>
<th>NTIS number</th>
<th>Category</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADA466633</td>
<td>47</td>
<td>Analyzing the Interdiction of Sea-Borne Threats Using Simulation Optimization.</td>
</tr>
<tr>
<td>ADA454040</td>
<td>91</td>
<td>Border and Transportation Security: Overview of Congressional Issues.</td>
</tr>
<tr>
<td>PB2004102171</td>
<td>48</td>
<td>Coastal Remote Sensing.</td>
</tr>
<tr>
<td>ADA485775</td>
<td>50</td>
<td>Condition Assessment Methodology for Spillways.</td>
</tr>
<tr>
<td>ADA508729</td>
<td>96</td>
<td>Depth-Utilization Analysis for Estimating Economic Activity Supported by Dredging.</td>
</tr>
<tr>
<td>PB2005110804</td>
<td>68</td>
<td>Dredged Material Management. Action Agenda for the Next Decade.</td>
</tr>
<tr>
<td>ADA427596</td>
<td>50</td>
<td>Estimating Risk from Spillways on Dams Using Condition Assessment Data.</td>
</tr>
<tr>
<td>PB2011112701</td>
<td>98</td>
<td>Factors for Improved Fish Passage Waterway Construction.</td>
</tr>
<tr>
<td>ADA444810</td>
<td>62</td>
<td>Frequency-Asked Questions (FAQs) About Coastal Inlets and U.S. Army Corps of Engineers’ Coastal Inlets Research Program (CIRP).</td>
</tr>
<tr>
<td>ADA484149</td>
<td>48</td>
<td>Ice Considerations in the Design of River Restoration Structures.</td>
</tr>
<tr>
<td>ADA527037</td>
<td>74</td>
<td>Improving the Coast Guard Ports, Waterways and Coastal Security Outcome Measure.</td>
</tr>
<tr>
<td>ADA511384</td>
<td>76</td>
<td>Inland Rivers Floating Aids.</td>
</tr>
<tr>
<td>ADA469583</td>
<td>74</td>
<td>Leveraging the Strategic Value of the U.S. Inland Waterway System.</td>
</tr>
<tr>
<td>ADA497865</td>
<td>63</td>
<td>Maritime Security: Vessel Tracking Systems Provide Key Information, but the Need for Duplicate Data Should Be Reviewed.</td>
</tr>
<tr>
<td>PB2011113252</td>
<td>68</td>
<td>National Marine Debris Monitoring Program: Final Program Report, Data Analysis &amp; Summary.</td>
</tr>
<tr>
<td>ADA419127</td>
<td>70</td>
<td>Product Life Cycle Planning.</td>
</tr>
<tr>
<td>ADA473874</td>
<td>46</td>
<td>Radio Frequency Identification’s Potential to Monitor Small Vessels.</td>
</tr>
<tr>
<td>PB2010104721</td>
<td>57</td>
<td>Report from the Workshop on Indicators of Final Ecosystem Services for Streams (Meeting Date: July 13 to 16, 2009).</td>
</tr>
<tr>
<td>ADA538838</td>
<td>48</td>
<td>Research Study of River Information Services on the US Inland Waterway Network.</td>
</tr>
<tr>
<td>ADA541395</td>
<td>85</td>
<td>Short Sea Shipping: Barriers, Incentives and Feasibility of Truck Ferry.</td>
</tr>
</tbody>
</table>

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