
APPENDIX 1.D

DATA SOURCES CONSULTED



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Introduction

This appendix lists the information sources that were researched, compiled, and reviewed in order to best determine and present the status of the full array of wildlife and its conservation in Delaware (Element 1). A wide diversity of literature and programs was consulted and compiled through extensive research and coordination efforts. Some of these sources are referenced in the Literature Cited section of this document, and the remaining sources are provided here as a resource for users and implementing parties of this document as well as for future revisions. Sources include published and unpublished data, reports, and correspondence from existing conservation programs and are listed in alphabetical order.

World Wide Web Resources

| Organization | Website Address |
|---|---|
| American Birding Association | www.aba.org |
| American Fisheries Society | http://www.fisheries.org |
| American Planning Agency, DE Chapter | https://delawareapa.wordpress.com/ |
| Association of Fish and Wildlife Agencies (AFWA) | http://www.fishwildlife.org/ |
| Atlantic Coastal Cooperative Statistics Program | http://www.accsp.org/ |
| Atlantic States Marine Fisheries Commission | http://www.asmfc.org/ |
| Bat Conservation International | http://www.batcon.org/ |
| Brandywine Zoo | http://www.brandywinezoo.org/preservation.html |
| Coastal America | http://www.coastalamerica.gov |
| Delaware Association of Conservation Districts | http://www.nacdnet.org/delaware/ |
| Delaware Audubon Society | http://www.delawareaudubon.org/ |
| Delaware Center for the Inland Bays | http://www.delawarenativeplants.org/ |
| Delaware Dept. of Natural Resources and Environmental Control (DNREC) | http://www.dnrec.delaware.gov/ |
| Delaware Economic Development Office | http://dedo.delaware.gov/ |
| Delaware Forestry Association | http://delawareforest.com/ |
| Delaware Invasive Species Council | http://www.delawareinvasives.net/ |
| Delaware Native Plant Society | http://www.delawarenativeplants.org/ |
| Delaware Nature Society | http://www.delawarenaturesociety.org/ |
| Delaware Sea Grant | http://www.deseagrnt.org/ |
| Ducks Unlimited | http://www.ducks.org/ |
| Ecosystems Mission Area | http://www.usgs.gov/ecosystems/about.html |
| Environmental Protection Agency | http://www.epa.gov |
| Important Bird Areas (IBA) Program | http://www.audubon.org/bird/iba |
| International Shorebird Survey | http://www.pwrc.usgs.gov/iss/iss.html |
| | https://www.manomet.org/program/shorebird-recovery-project/international-shorebird-survey-iss |
| International Union for Conservation of Nature (IUCN) | http://www.iucn.org/ |

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| Organization | Website Address |
|---|---|
| Invasive Plant Atlas of New England (IPANE) | http://www.eddmaps.org/ipane/ |
| Mid-Atlantic Fishery Management Council | http://www.mafmc.org/ |
| National Audubon Society | http://www.audubon.org/ |
| National Estuarine Research Reserve System | http://nerrs.noaa.gov |
| National Marine Fisheries Service | http://www.nmfs.noaa.gov/ |
| National Oceanic and Atmospheric Administration (NOAA) | http://www.noaa.gov |
| NOAA Office of Coastal Management | http://coast.noaa.gov/ |
| NOAA Office of Response and Restoration | http://response.restoration.noaa.gov |
| National databases | http://www.pwrc.usgs.gov/birds/ |
| National Park Service | http://www.nps.gov |
| National Water Quality Assessment Program, USGS | http://water.usgs.gov/nawqa/ |
| Native American Fish and Wildlife Society | http://www.nafws.org/ |
| National Wild Turkey Federation | http://www.nwtf.org/ |
| National Wildlife Federation | http://www.nwf.org/ |
| Natural Resources Conservation Service - Delaware | http://www.nrcs.usda.gov/wps/portal/nrcs/site/de/home/ |
| NatureServe | http://www.natureserve.org/ |
| New England Fishery Management Council | http://www.nefmc.org/ |
| New England Water Pollution Control Commission | http://www.neiwpsc.org/ |
| New England Wildflower Society- Plant Conservation Program | http://www.newenglandwild.org/consERVE |
| North American Bat Conservation Partnership (NABCP) | http://www.sbdn.org/batworkinggroups.html |
| North Atlantic Coast Cooperative Ecosystems Studies Unit (CESU) | http://www.naccesu.org/ |
| North Atlantic Right Whale Consortium | http://www.narwc.org/ |
| Northeast Aquatic Nuisance Species Panel | http://www.northeastans.org/ |

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| Organization | Website Address |
|---|---|
| Northeast Bat Working Group | http://www.nebwg.org/ |
| Partners in Amphibian and Reptile Conservation (PARC) | http://www.parcplace.org |
| Partners In Flight | http://www.partnersinflight.org/ |
| Patuxent Wildlife Research Center | http://www.pwrc.usgs.gov/ |
| Pew Oceans Commission | http://www.pewoceans.org |
| Ruffed Grouse Society | http://www.ruffedgrousesociety.org/ |
| Society for Marine Mammology | http://www.marinemammalscience.org/ |
| Surfrider Foundation Delaware Chapter | https://delaware.surfrider.org/ |
| Teaming with Wildlife | http://www.teaming.com/ |
| The Institute for Participatory Management and Planning | http://www.consentbuilding.com/ |
| The Nature Conservancy | http://www.nature.org/ourinitiatives/regions/northamerica/unitedstates/delaware/ |
| The Wildlife Management Institute | http://www.wildlifemanagementinstitute.org/ |
| The Wildlife Society | http://www.wildlife.org/ |
| Trout Unlimited | http://www.tu.org |
| Trust for Public Land | http://www.tpl.org/ |
| U.S. Bureau of Indian Affairs | http://www.bia.gov/ |
| U.S. Department of Agriculture | http://www.usda.gov |
| U.S. Fish and Wildlife Service (USFWS) | http://www.fws.gov |
| USFWS Fisheries Program | http://www.fws.gov/r5crc/ |
| | http://www.fws.gov/fisheries/ |
| USFWS Migratory Birds Program | http://www.fws.gov/migratorybirds/ |
| USFWS National Wetlands Inventory | http://www.fws.gov/wetlands/ |
| U.S. Forest Service (USFS) | http://www.fs.fed.us/ |
| USFS Forest Inventory and Analysis Program | http://www.fs.fed.us/ne/fia/states/ct/index.html |
| U.S. Geological Survey (USGS) | http://www.usgs.gov |
| UD Institute for Public Administration | http://www.ipa.udel.edu/localgovt/dllg/ipa.html |
| University of Delaware (UD) Agricultural Experiment Station | http://ag.udel.edu/research/agexperimentalstation.htm |
| Upper Delaware Council | http://www.upperdelawarecouncil.org/ |
| USFWS Tribal Wildlife Grants Program (2007-2012) | http://www.fws.gov/nativeamerican/pdf/twg-projects-summary-2007-2012.pdf |

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| Organization | Website Address |
|---------------------|---|
| Xerces Society | http://www.xerces.org |

Existing Conservation and Management Plans Reviewed

| Plan | Source | Reference |
|---|--|---|
| <i>Essential Fish Habitat (EFH) Strategic Plan</i> | NOAA Fisheries | National Marine Fisheries Service/NOAA Fisheries. http://www.habitat.noaa.gov/protection/efh/index.html |
| <i>Freshwater Ecoregions of North America: A Conservation Assessment</i> | World Wildlife Fund | Abell et al. (2000) |
| <i>Conservation Strategic Plan 2012 - 2016</i> | Atlantic Coastal Fish Habitat Partnership | ACFHP (2012) |
| <i>Atlantic Coast Joint Venture Strategic Plan</i> | Atlantic Coast Joint Venture | ACJV (2004) |
| <i>New England/Mid-Atlantic Coast Bird Conservation Region (BCR 30) Implementation Plan</i> | Atlantic Coast Joint Venture | ACJV (2008) |
| <i>Atlantic Coast Joint Venture Strategic Plan Update</i> | Atlantic Coast Joint Venture | ACJV (2009) |
| <i>Marine, estuarine, and diadromous fish stocks at risk of extinction in North America</i> | American Fisheries Society | AFS; Musick et al. (2000) |
| <i>Fishes of North America Endangered, Threatened, or of Special Concern: 1989</i> | American Fisheries Society | AFS; Williams et al. (1989) |
| <i>Conservation Status of Freshwater Mussels of the United States and Canada</i> | American Fisheries Society | AFS; Williams et al. (1993) |
| <i>National Fish Habitat Action Plan (NFHAP)</i> | Association of Fish and Wildlife Agencies (AFWA) | AFWA (2006), NFHB (2012) |
| <i>Through a Fish's Eye: The Status of Fish Habitats in the United States 2012</i> | Association of Fish and Wildlife Agencies (AFWA) | AFWA, National Fish Habitat Board (NFHB (2010) |
| <i>Delaware River Basin Priority Conservation Areas and Recommended Conservation Strategies</i> | The Nature Conservancy, Partnership for the Delaware Estuary and Natural Lands Trust | Allen et al. (2011) |
| <i>Aquatic Species at Risk (freshwater mussels, freshwater fish, marine fish)</i> | American Fisheries Society | American Fisheries Society |

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| Plan | Source | Reference |
|---|--|---|
| <i>Most significant threats to freshwater fish</i> | American Fisheries Society | American Fisheries Society, USGS, Walsh et al. (2009) |
| <i>Conservation Status of Fish, Wildlife, and Natural Habitats in the Northeast Landscape</i> | The Nature Conservancy | Anderson and Olivero Sheldon (2011) |
| <i>North Atlantic Coast Ecoregional Conservation Plan Update</i> | The Nature Conservancy | Anderson et al. (2006) |
| <i>Northeast Habitat Guides: A Companion to the Aquatic and Terrestrial Habitat Maps</i> | The Nature Conservancy | Anderson et al. (2013) |
| <i>Development of an Ocean Research Plan for the Mid-Atlantic Region</i> | Sea Grant Mid-Atlantic Ocean Research Planning Project | Appiott et al. (2011) |
| <i>Interstate Fishery Management Plan for Horseshoe Crab</i> | Atlantic States Marine Fisheries Commission | ASMFC (1998) |
| <i>Interstate Fishery Management Plan for Atlantic Sturgeon</i> | Atlantic States Marine Fisheries Commission | ASMFC (1998, 2006) |
| <i>Interstate Fishery Management Plan for Shad and River Herring</i> | Atlantic States Marine Fisheries Commission | ASMFC (1999b) |
| <i>Interstate Fishery Management Plan for American Eel</i> | Atlantic States Marine Fisheries Commission | ASMFC (2000) |
| <i>Interstate Fishery Management Plan for Atlantic Menhaden</i> | Atlantic States Marine Fisheries Commission | ASMFC (2001, 2012b) |
| <i>Spiny Dogfish Fishery Management Plan</i> | Atlantic States Marine Fisheries Commission | ASMFC (2002a, 2013a) |
| <i>Fishery Management Plan for Tautog</i> | Atlantic States Marine Fisheries Commission | ASMFC (2002b, 2013b) |
| <i>Interstate Fishery Management Plan for Weakfish</i> | Atlantic States Marine Fisheries Commission | ASMFC (2002c, 2013c) |
| <i>Interstate Fishery Management Plan for Red Drum</i> | Atlantic States Marine Fisheries Commission | ASMFC (2002d, 2013d) |
| <i>Interstate Fishery Management Plan for Atlantic Striped Bass</i> | Atlantic States Marine Fisheries Commission | ASMFC (2003) |
| <i>Interstate Fishery Management Plan for Northern Shrimp</i> | Atlantic States Marine Fisheries Commission | ASMFC (2004) |

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|---|---|--|
| <i>Fishery Management Plan for Inshore Stocks of Winter Flounder</i> | Atlantic States Marine Fisheries Commission | ASMFC (2005, 2013e) |
| <i>Conservation Strategic Plan 2012-2016 and 2012-2013 Implementation Plan</i> | Atlantic Coastal Fish Habitat Partnership | Atlantic Coastal Fish Habitat Partnership (ACFHP (2012a, 2012b)) |
| <i>Description of the Ecoregions of the United States</i> | U.S. Forest Service | Bailey (1995) |
| <i>Lower New England – Northern Piedmont Ecoregional Conservation Plan</i> | The Nature Conservancy | Barbour et al. (2003) |
| <i>Roadside Vegetation Establishment and Management Manual</i> | Delaware Department of Transportation | Barton et al. (2009) |
| <i>Bats in Eastern Woodlands</i> | Bat Conservation International | Bat Conservation International (BCI) (2001) |
| <i>Planning for sea level rise: quantifying patterns of saltmarsh sparrow nest flooding under current sea level conditions</i> | | Bayard and Elphick (2011) |
| <i>North Atlantic Coast Ecoregional Conservation Plan</i> | The Nature Conservancy | Beers and Davison (1999) |
| <i>Reptiles in decline: the global decline of reptiles, déjà vu amphibians</i> | | Bioscience, Gibbons et al. (2000) |
| <i>Endangered Invertebrates: the case for greater attention to invertebrate conservation</i> | | Black et al. (2001) |
| <i>United States Shorebird Conservation Plan</i> | Manomet Center for Conservation Sciences | Brown et al. (2001) |
| <i>Identifying important migratory landbird stopover sites in the Northeast</i> | | Buler (2014, unpublished, ongoing) |
| <i>Freshwater Ecoregions of the World-118: Northeast US & Canada Atlantic Drainages</i> | FEOW | Burrige, M. and N. Mandrak (2013) |
| <i>Best development practices: Conserving pool-breeding amphibians in residential and commercial developments in the northeastern United States</i> | Metropolitan Conservation Alliance | Calhoun and Klemens (2002) |
| <i>Beginnings... (Habitat Plan)</i> | Delaware Center for the Inland Bays | CIB (2012) |

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| Plan | Source | Reference |
|---|--|--|
| <i>Northern Atlantic Regional Shorebird Plan</i> | Northern Atlantic Shorebird Habitat Working Group | Clark and Niles (2000) |
| <i>Red-necked Phalarope Research, Monitoring, and Conservation Plan for the Northeastern U.S. and Maritimes Canada, Version 1.1</i> | Western Hemisphere Shorebird Reserve Network (WHSRN) | Brown et al. (2010) |
| <i>Ecological Systems of the United States: A Working Classification of U. S. Terrestrial Systems</i> | NatureServe | Comer et al. (2003) |
| <i>North American Monarch Conservation Plan</i> | Commission for Environmental Cooperation | Commission for Environmental Cooperation (CEC (2008) |
| <i>American Woodcock Population Status 2009</i> | USFWS | Cooper, T.R., and K. Parker (2009) |
| <i>Cornell Lab of Ornithology reports and publications</i> | Cornell Lab of Ornithology | Cornell Lab of Ornithology |
| <i>Project FeederWatch</i> | Cornell University | Cornell University (2014) |
| <i>Conservation of tidal marsh birds guiding action at the intersection of our changing land and seascapes</i> | CT DEEP | CT DEEP Report to USFWS (2012b, 2013) |
| <i>The IUCN Red List for Alasmidonta heterodon</i> | Cornell University | Cummings and Cordeiro (2011) |
| <i>Partners in Flight Landbird Conservation Plan: Physiographic Area 09: Southern New England</i> | American Bird Conservancy | Dettmers and Rosenberg (2000) |
| <i>Delaware Forest Resource Assessment</i> | Delaware Department of Agriculture Forest Service | DFS (2010) |
| <i>Delaware Statewide Forest Strategy</i> | Delaware Department of Agriculture Forest Service | DFS (2010) |
| <i>Ducks Unlimited's Conservation Plan: Meeting the Annual Life Cycle needs of North America's Waterfowl</i> | Ducks Unlimited | Ducks Unlimited (2001) |
| <i>Protecting Delaware's Natural Heritage: Tools for Biodiversity Conservation</i> | Environmental Law Institute | ELI (1999) |
| <i>Index of Watershed Indicators: An Overview</i> | Environmental Protection Agency | EPA (2002) |

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|--|---------------------|---|
| <i>Invertebrate SGCN in the northeastern region</i> | | Fetzner (2011) |
| <i>Recovery of forest plant communities in post-agricultural landscapes</i> | | Flinn and Vellend (2005) |
| <i>Conservation strategy for the New England Cottontail (Sylvilagus transitionalis)</i> | | Fuller and Tur (2012) |
| <i>Mapping the distribution, abundance and risk assessment of marine birds in the northwest Atlantic ocean</i> | | Gardner (2014) |
| <i>Northeastern terrestrial wildlife habitat classification</i> | | Gawler (2008) |
| <i>A Bayesian network approach to predicting nest presence of the federally-threatened piping plover</i> | | Gieder et al. (2014, published in Ecological Modeling) |
| <i>Egg and chick fates during tidal flooding of Saltmarsh Sharp-tailed Sparrow nests</i> | | Gjerdrum et al. (2008) |
| <i>Shorebird Management Manual</i> | | Helmers (1992), http://www.lmvjv.org/library/shorebird_management_manual_1992.pdf |
| <i>Partners in Flight Landbird Conservation Plan: Physiographic Area 27: Northern New England</i> | Partners in Flight | Hodgman and Rosenberg (2000) |
| <i>Multi-Metric Index (MMI)</i> | | Kanno et al. (2010) |
| <i>The IUCN Red List of threatened species: Ccindela puritana</i> | | Kinsley (2014) |
| <i>Final report: Development of noninvasive monitoring tools for New England Cottontail populations</i> | | Kovach (2012) |
| <i>The Audubon Society Field Guide to the Natural Places of the Northeast</i> | The Audubon Society | Kulik et al. (1984) |

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| <i>Waterbird Conservation for the Americas: The North America Waterbird Conservation Plan</i> | Waterbird Conservation for the Americas | Kushlan et al. (2002) Version 2 : http://www.waterbirdconservation.org/nawcp.html |
| <i>Avian monitoring indicators and measures for conservation action effectiveness in the Northeast, final report</i> | | Lambert (2009) |
| <i>Our living resources: a report to the nation on the distribution, abundance, and health of U.S. plants, animals, and ecosystems</i> | | LaRoe et al. (1995) |
| <i>Comprehensive Conservation and Management Plan for the Sound, and Action Agenda</i> | | LISS (1994, 2014), LISS (2011) |
| <i>Atlantic Surfclam and Ocean Quahog Fishery Management Plan</i> | Mid-Atlantic Fishery Management Council | MAFMC (1977, 2011a) |
| <i>Atlantic Mackerel, Squid, and Butterfish Fishery Management Plan</i> | Mid-Atlantic Fishery Management Council | MAFMC (1983, 2011b) |
| <i>Summer Flounder, Scup, and Black Sea Bass Fishery Management Plan</i> | Mid-Atlantic Fishery Management Council | MAFMC (1988, 2011d) |
| <i>Bluefish Fishery Management Plan</i> | Mid-Atlantic Fishery Management Council | MAFMC (1990, 2011c) |
| <i>Tilefish Fishery Management Plan</i> | Mid-Atlantic Fishery Management Council | MAFMC (2000) |
| <i>Mid-Atlantic/New England/Maritimes Region Waterbird Conservation Plan</i> | MANEM Waterbird Conservation Group | MANEM (2006) |
| <i>International Shorebird Survey</i> | Manomet Center for Conservation Sciences | Manomet Center for Conservation Sciences (1974) |
| <i>Rivers of Life: Critical Watersheds for Protecting Freshwater Biodiversity</i> | The Nature Conservancy | Master et al. (1998) |
| <i>Ecologically Sound Mosquito Control Management in Wetlands</i> | Xerces Society | Mazzacano and Black (2013) |

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|--|--|--|
| <i>State of the Birds 2014 Report on Public Lands and Waters</i> | North American Bird Conservation Initiative (NABCI) | NABCI, U.S. Committee. 2014 |
| <i>Assessing priority amphibian and reptile conservation areas (PARCAs) and vulnerability to climate change in the North Atlantic Landscape Conservation Cooperative</i> | | Nanjappa (2014) |
| <i>Coastal Waterbird Stewardship</i> | National Audubon Society | National Audubon Society, Inc., Audubon Connecticut (2013a) |
| <i>Important Bird Areas program</i> | National Audubon Society | National Audubon Society, Inc., Audubon Connecticut (2013b) |
| <i>Consolidated Atlantic Highly Migratory Species Fishery Management Plan</i> | National Oceanic and Atmospheric Administration (NOAA) | National Marine Fisheries Service (NMFS) (2006) |
| <i>Pollinators</i> | Natural Resources Conservation Service | Natural Resources Conservation Service NRCS (2007) |
| <i>North American Waterfowl Management Plan (NAWMP) and companion Action Plan</i> | North American Waterfowl Management Plan Committee | NAWMP (2012a, 2012b) |
| <i>Atlantic Salmon Fishery Management Plan</i> | New England Fishery Management Council | NEFMC (1987) Amendments online at: http://www.nmfs.noaa.gov/sfa/reg_svcs/fmp/fmp_collection.htm (in October 2014) |
| <i>Essential Fish Habitat</i> | New England Fishery Management Council | NEFMC (1998) |
| <i>Atlantic Herring Fishery Management Plan</i> | New England Fishery Management Council | NEFMC (1999a, 1999b, 2013), ASMFC (1999a) |
| <i>Deep-Sea Red Crab Fishery Management Plan</i> | New England Fishery Management Council | NEFMC (2002) Amendments online at: http://www.nmfs.noaa.gov/sfa/reg_svcs/fmp/fmp_collection.htm (in October 2014) |
| <i>Northeast Multispecies (Large Mesh/Groundfish) Fishery Management Plan</i> | New England Fishery Management Council | NEFMC (2003a) |

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| Plan | Source | Reference |
|---|--|---|
| <i>Northeast Multispecies (Small Mesh/Whiting) Fishery Management Plan</i> | New England Fishery Management Council | NEFMC (2003b) http://www.nmfs.noaa.gov/sfa/reg_svcs/fmp/fmp_collection.htm (in October 2014) |
| <i>Atlantic Sea Scallop Fishery Management Plan</i> | New England Fishery Management Council | NEFMC (2003b, 2010) NEFMC (2003c) http://www.nmfs.noaa.gov/sfa/reg_svcs/fmp/fmp_collection.htm (in October 2014) |
| <i>Northeast Skate Complex Fishery Management Plan</i> | New England Fishery Management Council | NEFMC (2004) http://www.nmfs.noaa.gov/sfa/reg_svcs/fmp/fmp_collection.htm (in October 2014) |
| <i>Monkfish Fishery Management Plan</i> | New England Fishery Management Council | NEFMC (2006) Amendments online at: http://www.nmfs.noaa.gov/sfa/reg_svcs/fmp/fmp_collection.htm |
| <i>Atlantic Herring Fishery Management Plan</i> | New England Fishery Management Council | NEFMC (2007) http://www.nmfs.noaa.gov/sfa/reg_svcs/fmp/fmp_collection.htm (in October 2014) |
| <i>Technical Committees of the NEFWA reports and publications on Deer, Turkey, Furbearer, Nongame, etc.</i> | | NEFWA Technical Committees |
| <i>Model state herpetofauna regulatory guidelines</i> | Northeast Partners in Amphibian and Reptile Conservation | NEPARC (2004) |
| <i>Northeast habitat management guidelines</i> | Northeast Partners in Amphibian and Reptile Conservation | NEPARC (2009) |
| <i>Wood Turtle regional conservation surveys</i> | Northeast Partners in Amphibian and Reptile Conservation | NEPARC, CT DEP (2009), CT DEEP Report to USFWS (2010) |
| <i>Flora Conservanda: New England plants in need of conservation</i> | New England Wildflower Society | New England Wild Flower Society, NEWFS (2012) |
| <i>Final Recovery Plan for the Shortnose Sturgeon</i> | National Marine Fisheries Service | NMFS (1998) |

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|--|---|---|
| <i>Final Amendment 1 to the Fishery Management Plan for Atlantic Tunas, Swordfish and Sharks</i> | National Marine Fisheries Service | NMFS (2003) |
| <i>Fishery Management Plan for Atlantic Tunas, Swordfish and Sharks</i> | National Marine Fisheries Service | NMFS (2003) |
| <i>Marine fish, marine mammal, and invertebrate management plans and stock assessments</i> | National Marine Fisheries Service | NMFS and ASMFC |
| <i>Recovery Plan for U.S. Population of Atlantic Green Turtle</i> | NIMFS and USFWS | NMFS and USFWS (1991a) |
| <i>Recovery Plan for U.S. Population of Loggerhead Turtle (Caretta caretta)</i> | NIMFS and USFWS | NMFS and USFWS (1991b) |
| <i>Recovery Plan for Leatherback Turtles in the U.S. Caribbean, Atlantic and Gulf of Mexico</i> | NIMFS and USFWS | NMFS and USFWS (1992) |
| <i>Recovery Plan for Hawksbill Turtles in the U.S. Caribbean Sea, Atlantic Ocean, and Gulf of Mexico</i> | NIMFS and USFWS | NMFS and USFWS (1993) |
| <i>Recovery Plan for U.S. Population of Loggerhead Turtle (Caretta caretta) Second Revision</i> | NIMFS and USFWS | NMFS and USFWS (2008) |
| <i>Draft Bi-National Recovery Plan for the Kemp's Ridley Sea Turtle Second Revision March 2010</i> | NIMFS, USFWS, and Secretariat of Environment & Natural Resources Mexico | NMFS, USFWS, and SEMARNAT (2010) |
| <i>Annual Status of U.S. Fisheries – 2001</i> | NOAA Fisheries | NOAA (2002) |
| <i>U.S. Atlantic and Gulf of Mexico marine mammal Stock Assessment Report</i> | NOAA | NOAA (2003) |
| <i>Strategic and Take Reduction Plans</i> | NOAA | NOAA (http://www.nero.noaa.gov/Protected/mm p) |
| <i>Amendment 2 to the Consolidated Atlantic Highly Migratory Species Fishery Management Plan</i> | NOAA Fisheries | NOAA Fisheries (2008) |

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| Plan | Source | Reference |
|---|---|--|
| <i>Amendment 1 to the Consolidated Atlantic highly Migratory Species Fishery Management Plan Essential Fish Habitat</i> | NOAA Fisheries | NOAA Fisheries (2009) |
| <i>Amendment 3 to the Consolidated Atlantic Highly Migratory Species Fishery Management Plan</i> | NOAA Fisheries | NOAA Fisheries (2010) |
| <i>Amendment 5 to the Consolidated Atlantic Highly Migratory Species Fishery Management Plan</i> | NOAA Fisheries | NOAA Fisheries (2011) |
| <i>North American Bat Conservation Partnership Strategic Plan</i> | North American Bat Conservation Partnership | North American Bat Conservation Partnership (Tuttle 2004) |
| <i>North American Waterfowl Management Plan: Strengthening the Biological Foundation-2004 Implementation Framework</i> | North American Waterfowl Management Plan Committee | North American Waterfowl Management Plan Committee (2004) |
| <i>Species Management Plans for Northeast Species of Conservation Concern</i> | Northeast Fish and Wildlife Agency Administrators | Northeast Fish and Wildlife Agency Administrators (in press) |
| <i>Managing Grasslands, Shrublands, and Young Forest Habitats for Wildlife: A Guide for the Northeast</i> | RI DEM Northeast Upland Habitat Technical Committee | Northeast Upland Habitat Technical Committee (2006) |
| <i>Grassland Bird Reports</i> | USGS | Northern Prairie Wildlife Research Center, USGS |
| <i>The Global 200: Priority ecoregions for global conservation</i> | World Wildlife Fund | Olson and Dinerstein (2002) |
| <i>Habitat Management Guidelines for Amphibians and Reptiles of the Northeastern United States</i> | Partners in Amphibian and Reptile Conservation | PARC, Breisch et al (in Press) |
| <i>Habitat Management Guidelines for Amphibians and Reptiles of the Southeastern United States</i> | Partners in Amphibian and Reptile Conservation | PARC. Bailey et al (in Press) |
| <i>Best management practices for herpetofauna</i> | Partners in Amphibian and Reptile Conservation | Partners in Amphibian and Reptile Conservation (PARC); MCA; Calhoun and Klemens (2002) |

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| Plan | Source | Reference |
|--|-----------------------|--|
| <i>Spring migration report: New England</i> | | Perkins (2001) |
| <i>Commercial Fishing License Reform Initiative – Phase II</i> | The Coastal Institute | Petruny-Parker et al. (2001) |
| <i>America’s Living Oceans: Charting a Course for Sea Change. A Report to the Nation, Recommendations for a New Ocean Policy</i> | Pew Oceans Commission | Pew Oceans Commission (2003) |
| <i>Partners in Flight plans, reports, website</i> | Partners in Flight | PIF, http://www.partnersinflight.org/ |
| <i>Partners in Flight North American Landbird Conservation Plan</i> | Partners in Flight | Rich et al. (2004) |
| <i>Decline in abundance and distribution</i> | Partners in Flight | Rich et al. (2004), Rosenberg (2004) |
| <i>Terrestrial Ecoregions of North America: A Conservation Assessment</i> | World Wildlife Fund | Ricketts et al. (1999) |
| <i>Atlas of Cerulean Warbler Populations</i> | | Rosenberg, K. (2000) |
| <i>Identification of tidal marsh bird focal areas in Bird Conservation Region 30</i> | | Shriver (2014, unpublished, ongoing) |
| <i>The wood turtle (Glyptemys insculpta) in the northeastern United States: a status assessment and conservation strategy</i> | | Sievert (2014, in review, unpublished) |
| <i>Recommended Plantings for Migratory Songbird Habitat Management</i> | URI NRS | Smith and McWilliams (2011) |
| <i>Marine Ecoregions of the World: A Bioregionalization of Coastal and Shelf Areas</i> | Spalding et al. | Spalding et al. (2007) |
| <i>Best practices for state wildlife action plans: voluntary guidance to states for revision and implementation</i> | | SWAP BPWG (2012) |
| <i>Laboratory and field testing of treatments of white nosed syndrome</i> | | TCI and NEFWDT (2013), Reeder (2012) |

APPENDIX 1.D: Data Sources Consulted

| Plan | Source | Reference |
|--|------------------------|---|
| <i>Frequent arousal from hibernation linked to severity of infection and mortality in bats with white-nose syndrome</i> | | TCI and NFWDTC (2013), Reeder et al. (2012) |
| <i>The Northeast Lexicon: terminology conventions and data framework for state wildlife action plans in the northeast region</i> | | TCI, Crisfield and NEWDTC (2013) |
| <i>Pollinators and the State Wildlife Action Plans: voluntary guidance for state wildlife agencies</i> | | The Heinz Center (2013) |
| <i>Bat trapping data, hibernaculum survey data, and rabies data</i> | | The Wildlife Diversity Unit of Deep's Bureau of Natural Resources Wildlife Division (1995-2014) (DEEP Wildlife Division, unpublished data) |
| <i>Priorities for Conservation: 1996 Annual Report Card for U.S. Plant and Animal Species</i> | The Nature Conservancy | TNC (1996) |
| <i>Piedmont Ecoregion: A plan for Biodiversity Conservation Draft Implementation Document</i> | TNC | TNC (2006) |
| <i>Delaware Biodiversity Scorecard</i> | TNC | TNC (2013) |
| <i>An Ocean Blueprint for the 21st Century</i> | | U.S. Commission on Ocean Policy |
| <i>Forest Inventory and Analysis Program</i> | US Forest Service | U.S. Forest Service http://www.fia.fs.fed.us/ |
| <i>Habitat classification systems</i> | | U.S. Forest Service; NatureServe; TNC; Federal Geographic Data Committee (FGDC); University of Massachusetts (Zuckerberg et al. 2004); Metzler and Barrett (2005); Anderson et al. (1976); Cowardin et al. (1979) |
| <i>Saltmarsh sparrow research-project goals</i> | | UCONN (2003) |

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| Plan | Source | Reference |
|--|---|---|
| 2011 national survey of fishing, hunting, and wildlife-associated recreation | US Dept. of Interior | US DOI et al. (2013) |
| Biological Condition Gradient (BCG) | USDA, USFWS, New England Wildflower Society, University of Connecticut, Columbia University, USGS, EDD Maps | US EPA, CT DEP, Gerritsen and Jessup (2007), Stamp and Gerritsen (2013) |
| Invasive Plant Atlas of New England (IPANE) | USDA | USDA et al. (2014) |
| Natural Resources Inventory Program | USFWS | USDA, NRCS, http://www.nrcs.usda.gov/wps/portal/nrcs/main/national/technical/nra/nri/ |
| Cerulean Warbler Status Assessment, April 2000 | USFWS | USFWS |
| Puritan Tiger Beetle (Cicindela puritana G. Horn) Recovery Plan | USFWS | USFWS (1993a) |
| Dwarf Wedge Mussel (Alasmidonta heterodon) Recovery Plan | USFWS | USFWS (1993b) |
| Northeastern Beach Tiger Beetle (Cicindela dorsalis dorsalis Say) Recovery Plan | USFWS | USFWS (1994) |
| American Woodcock Management Plan | USFWS | USFWS (1996a) |
| Piping Plover (Charadrius melodus), Atlantic Coast Population, Revised Recovery Plan | USFWS | USFWS (1996b) |
| Expanding the Vision: 1998 Update, North American Waterfowl Management Plan | USFWS, SEMARNAP Mexico, and Canadian Wildlife Service | USFWS (1999) |
| Management Recommendations for Marshbirds (Summary from the Marshbird Conservation Workshop) | USFWS | USFWS (2001) |
| Bog Turtle (Clemmys muhlenbergii), Northern Population, Recovery Plan: Conservation in the Northeast | USFWS | USFWS (2001, 2011) |

APPENDIX 1.D: Data Sources Consulted

| Plan | Source | Reference |
|---|--------|---------------|
| <i>Birds of Conservation Concern 2002</i> | USFWS | USFWS (2002) |
| <i>Waterfowl Population Status 2003</i> | USFWS | USFWS (2003a) |
| <i>Adaptive Harvest Management: 2003 Duck Hunting Season</i> | USFWS | USFWS (2003b) |
| <i>Dwarf Wedge Mussel (Alasmidonta heterodon) Draft 5-Year Review: Summary and Evaluation</i> | USFWS | USFWS (2007a) |
| <i>Puritan Tiger Beetle Draft 5-Year Review: Summary and Evaluation</i> | USFWS | USFWS (2007b) |
| <i>USFWS Strategic Plan Fiscal Year 2007-2011 Region 5, Partners for Fish and Wildlife Program Coastal Program</i> | USFWS | USFWS (2007c) |
| <i>American Woodcock Conservation Plan, A summary of and recommendations for woodcock conservation in North America February 2008</i> | USFWS | USFWS (2008) |
| <i>Northeastern Beach Tiger Beetle 5-Year Review: Summary and Evaluation February 2009</i> | USFWS | USFWS (2009a) |
| <i>Piping Plover 5-Year Review: Summary and Evaluation September 2009</i> | USFWS | USFWS (2009b) |
| <i>Bog Turtle Spotlight Species Action Plan December 2009</i> | USFWS | USFWS (2009c) |
| <i>Prime Hook National Wildlife Refuge Comprehensive Conservation Plan</i> | USFWS | USFWS (2013) |
| <i>Northern long-eared bat</i> | USFWS | USFWS (2014a) |
| <i>Northern long-eared bat interim conference and planning guidance</i> | USFWS | USFWS (2014b) |
| <i>White Nose Syndrome National Plan</i> | USFWS | USFWS 2011 |

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| Plan | Source | Reference |
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| <i>Recovery Plan for the Kemp's Ridley Sea Turtle (Lepidochelys kempii)</i> | USFWS and NMFS | USFWS and NMFS (1992) |
| <i>Tern Management Handbook, Coastal Northeastern United States and Atlantic Canada</i> | USFWS | USFWS, Canadian Wildlife Service, and National Audubon Society, Kress and Hall (2002) [Contact Randy Dettmers for reference] |
| <i>Waterfowl Population Status 2003, North American Waterfowl Management Plan</i> | USFWS | USFWS, http://www.fws.gov/birdhabitat/NAWMP/index.shtml |
| <i>Trends in Duck Breeding Populations, 1955-2003</i> | USFWS | USFWS, Wilkines and Otto (2003) |
| <i>Waterbird Plans and reports, North American Waterbird Conservation Plan</i> | USFWS | USFWS; MANEM; CT Audubon, http://www.waterbirdconservation.org/na_wcp.html |
| <i>Effects of Management Practices on Grassland Birds (series)</i> | USGS | USGS, Dechant et al. (2003), et al. |
| <i>Waterbirds of the Chesapeake: A monitoring plan</i> | Virginia Department of Game and Inland Fisheries | Watts (2013) |
| <i>Northeast state of the frogs: development of regional analysis for frog call survey data from the North American Amphibian Monitoring Program</i> | | Weir (2013, unpublished) |
| <i>Conservation assessment of odonata in the northeastern region</i> | | White (2013, unpublished, in review) |
| <i>Presidential Memorandum-creating federal strategy to promote the health of honey bees and other pollinators</i> | WHOPS | White House Office of the Press Secretary (WHOPS) (2014) |
| <i>Conservation Status of Freshwater Mussels of the United States and Canada</i> | | Williams et al. (1993) |

APPENDIX 1.D: Data Sources Consulted

| Plan | Source | Reference |
|---|----------------|---|
| <i>Status assessment and conservation action plan for the eastern black rail across the northern region</i> | | Wilson (2014, progress report, unpublished) |
| <i>Focus areas guide a cottontail comeback</i> | | WTNEC (2014) |
| <i>Red list of bees: native bees in decline</i> | Xerces Society | Xerces Society (2014) |
| <i>Potential Impact of Road-Stream Crossings (Culverts) on the Upstream Passage of Aquatic Macroinvertebrates</i> | Xerces Society | Xerces Society, Vaughan (2002) |
| <i>Endangered Invertebrates: the case for greater attention to invertebrate conservation</i> | Xerces Society | Xerces Society; Hoffman Black et al. (2001) |

Acronyms and Abbreviations

| | |
|--------|---|
| ACFHP | Atlantic Coastal Fish Habitat Partnership |
| ACJV | Atlantic Coast Joint Venture |
| ACT | Atlantic Cooperative Telemetry |
| AFA | Application for Federal Assistance |
| AFS | American Fisheries Society |
| AFWA | Association of Fish and Wildlife Agencies |
| AR | Agricultural Residential |
| ASMFC | Atlantic States Marine Fisheries Commission |
| BACI | Before-After Control-Impact |
| BBD | Beach Bark Disease |
| BBS | Breeding Bird Survey |
| BCR | Bird Conservation Region |
| BMP | Best Management Practice |
| BOEM | Bureau of Ocean Energy Management |
| C&D | Chesapeake and Delaware |
| CAN | Critical Natural Areas |
| CARA | Conservation and Reinvestment Act |
| CCA | Critical Conservation Area |
| CCMP | Comprehensive Conservation and Management Plan |
| CCoCAR | Cabinet Committee on Climate and Resilience |
| CCSPI | Cabinet Committee on State Planning Issues |
| CDF | Combined Disposal Facility |
| CMECS | Coastal and Marine Ecological Classification Standard |
| CMF | Combined Management Facility |

APPENDIX 1.D: Data Sources Consulted

| | |
|--------|---|
| CMP | Conservation Measures Partnership |
| CREP | Conservation Reserve Enhancement Program |
| CRMC | Coastal Resources Management Council |
| CRP | Conservation Reserve Program |
| CWS | Canadian Wildlife Service |
| CZARA | Coastal Zone Act Reauthorization Amendments |
| CZMA | Coastal Zone Management Act |
| CZMP | Coastal Zone Management Program |
| DAC | Development Advisory Committee |
| DALPF | Delaware Agricultural Lands Preservation Foundation |
| DAMP | Delaware Amphibian Monitoring Program |
| DBH | Diameter at Breast Height |
| DBRC | Delaware Bird Records Committee |
| DCMA | Dredged Material Containment Area |
| DDA | Delaware Department of Agriculture |
| DDT | Dichloro-diphenyl-trichloro-ethane |
| DEBBA | Delaware Breeding Bird Atlas |
| DEBI | Delaware Estuary Benthic Inventory |
| DEDO | Delaware Economic Development Office |
| DeIDOT | Delaware Department of Transportation |
| DELIP | Delaware Landowner Incentive Program |
| DEN | Delaware Ecological Network |
| DEWAP | Delaware Wildlife Action Plan |
| DFS | Delaware Forest Service |
| DFW | Division of Fish and Wildlife |
| DGS | Delaware Geological Survey |

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| DISC | Delaware Invasive Species Council |
| D-J Federal Aid in Sport Fish Restoration Act | Dingell-Johnson Federal Aid in Sport Fish Restoration Act |
| DNHP | Delaware Natural Heritage Program |
| DNR | Department of Natural Resources [Maryland] |
| DNREC | Department of Natural Resources and Environmental Control |
| DNS | Delaware Nature Society |
| DOE | Department of Energy |
| DOS | Delmarva Ornithological Society |
| DPR | Division of Parks and Recreation |
| DRBC | Delaware River Basin Commission |
| DU | Ducks Unlimited |
| EFH | Essential Fish Habitat |
| EIS | Environmental Impact Statement |
| EMU | Ecological Marine Unit |
| EPA | Environmental Protection Agency |
| EQIP | Environmental Quality Incentives Program |
| ERES | Exceptional Recreational or Ecological Significance |
| ESA | Endangered Species Act |
| FAD | Forest Area-Dependent |
| FGDC | Federal Geographic Data Committee |
| FIA | Forest Inventory and Analysis |
| FID | Forest Interior-Dwelling |
| FLP | Forest Legacy Program |
| FMP | Fishery Management Plan |
| FMRP | Freshwater Mussel Recovery Program |

APPENDIX 1.D: Data Sources Consulted

| | |
|-------|---|
| FPP | Forestland Preservation Program |
| FWP | Farmable Wetlands Program |
| GIS | Geographic Information System |
| HCC | Habitats of Conservation Concern |
| IAFWA | International Association of Fish and Wildlife Agencies |
| IBA | Important Bird Area |
| ICCAT | International Commission for the Conservation of Atlantic Tunas |
| IMM | Integrated Marsh Management |
| IPA | Institute for Public Administration |
| IRBWG | International Rusty Blackbird Working Group |
| IRMSM | Investment and Resource Management Strategy Map |
| ISS | International Shorebird Survey |
| ISTEA | Intermodal Surface Transportation Efficiency Act |
| IUCN | International Union for Conservation of Nature |
| LCC | Landscape Conservation Cooperative |
| LESA | Land Evaluation and Site Assessment |
| LRP | Long Range Plans |
| LULC | Land Use/Land Cover |
| LUPA | Land Use Planning Act |
| LWCT | Land and Water Conservation Trust Fund |
| MAB | Mid-Atlantic Bight |
| MAFMC | Mid-Atlantic Fisheries Management Council |
| MANEM | Mid-Atlantic/New England Maritime Regional Working Group for Waterbirds |
| MARCO | Mid-Atlantic Regional Council on the Ocean |
| MCCS | Manomet Center for Conservation Sciences |

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| MDN-GAP | Maryland, Delaware, and New Jersey GAP Analysis |
| MFRI | Mean Fire Return Interval |
| MJV | Monarch Joint Venture |
| MOU | Memorandum of Understanding |
| NAAMP | North American Amphibian Monitoring Program |
| NABCI | North American Bird Conservation Initiative |
| NAI | Natural Areas Inventory |
| NALCC | North Atlantic Landscape Conservation Cooperative |
| NAMERA | Northwest Atlantic Marine Ecoregional Assessment |
| NASS | National Agricultural Statistics Service |
| NAWMP | North American Waterfowl Management Plan |
| NDWRP | Northern Delaware Wetlands Rehabilitation Program |
| NEAFWA | Northeast Association of Fish and Wildlife Agencies |
| NEAHCS | Northeast Aquatic Habitat Classification System |
| NECSC | Northeast Climate Science Center |
| NEFDTC | Northeast Fish and Wildlife Diversity Technical Committee |
| NEMO | Nonpoint Education for Municipal Officials |
| NEPA | National Environmental Protection Act |
| NEPARC | Northeast Partners for Amphibian and Reptile Conservation |
| NETWHCS | Northeast Terrestrial Habitat Classification System |
| NFHP | National Fish Habitat Partnership |
| NFWF | National Fish and Wildlife Foundation |
| NGO | Non-governmental Organization |
| NHD | National Hydrography Dataset |
| NHP | Natural Heritage Program |
| NID | National Inventory of Dams |

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| | |
|---|---|
| NMFS | National Marine Fisheries Service |
| NOAA | National Oceanic and Atmospheric Administration |
| NRCS | Natural Resources Conservation Service |
| NWF | National Wildlife Federation |
| NWI | National Wetlands Inventory |
| OCS | Outer Continental Shelf |
| OMWM | Open Marsh Water Management |
| ORV | Off-Road Vehicle |
| OSPC | Office of State Planning and Coordination |
| PBCR | Pelagic Bird Conservation Region |
| PCBs | Polychlorinated Biphenyls |
| PCR | polymerase chain reaction |
| PDE | Partnership for the Delaware Estuary |
| PDR | Purchase of Development Rights |
| PIF | Partners in Flight |
| P-R Federal Aid in Wildlife Restoration Act | Pittman-Robertson Federal Aid in Wildlife Restoration Act |
| PRISM | Program for Regional and International Shorebird Monitoring |
| PSE&G | Public Service Electric and Gas Company |
| RCN | Regional Conservation Needs |
| RCPP | Regional Conservation Partnership Program |
| ROI | Return on Investment |
| ROW | Right-of-way |
| RSGCN | Regional Species of Greatest Conservation Need |
| SAC | Subdivision Advisory Committee |
| SALCC | South Atlantic Landscape Conservation Cooperative |

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| SAMP | Special Area Management Plan |
| SAV | Submerged Aquatic Vegetation |
| SCRIP | Species Conservation & Research Program |
| SEM | Systems for Environmental Management |
| SGCN | Species of Greatest Conservation Need |
| SHARP | Saltmarsh Habitat and Avian Research Program |
| SHC | Strategic Habitat Conservation |
| SLAMM | Sea Level Rise Affecting Marsh Model |
| SLR | Sea Level Rise |
| SRA | State Resource Area |
| STP | Surface Transportation Program |
| SWAP | State Wildlife Action Plan |
| SWG | State Wildlife Grant |
| TAC | Technical Advisory Committee |
| TCSP | Transportation and Community and System Preservation Pilot Program |
| TDR | Transferable Development Rights |
| TEA-21 | Transportation Equity Act |
| TIP | Transportation Improvement Programs |
| TMDL | Total Maximum Daily Load |
| TNC | The Nature Conservancy |
| TRACS | Tracking and Reporting Actions for the Conservation of Species |
| TWW | Teaming With Wildlife |
| UDC | Unified Development Code |
| USACE | U.S. Army Corps of Engineers |
| USDA | United States Department of Agriculture |

APPENDIX 1.D: Data Sources Consulted

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| USDOT | United States Department of Transportation |
| USEPA | United States Environmental Protection Agency |
| USFS | United States Forest Service |
| USFWS | United States Fish and Wildlife Service |
| USGS | United States Geological Survey |
| WA | Wildlife Area |
| WATAR | Watershed Approach to Toxics Assessment and Restoration |
| WDP | Wildlife Diversity Program |
| WHIP | Wildlife Habitat Incentives Program |
| WHSRN | Western Hemisphere Shorebird Reserve Network |
| WIP | Watershed Improvement Plan |
| WNS | White-Nose Syndrome |
| WRP | Wetlands Reserve Program |
| WRR | Watershed Resources Registry |

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