

Terry J. VanDeWalle

Senior Biologist

Mr. VanDeWalle is a Senior Biologist with over 25 years of experience specializing in animal and natural areas surveys, herpetology, threatened and endangered species surveys, ESA Section 7 and Section 10 consultation, wetland delineation and permitting, wetland mitigation design and monitoring, and coordination of environmental impact statements and assessments. Terry specializes in herpetology and is a recognized expert in the Midwest and has authored and co-authored peer-reviewed papers and regional herpetological guides. In addition, he has been involved with wildlife rehabilitation in the Midwest for over 20 years and currently serves on the Board of Directors of the Iowa Wildlife Center and is an Adjunct Professor at Hawkeye Community College where he teaches a course on Wildlife Ecology.

At Stantec, he is responsible for managing Stantec's Independence, Iowa office and designing and managing natural resource studies in support of regulatory compliance and permitting for clients in the energy, transportation, governmental and private sectors.

EDUCATION

MA, Biology, Drake University, Des Moines, Iowa, 1993

BS, Animal Ecology, Iowa State University, Ames, Iowa, 1986

AA, Fisheries & Wildlife Biology, Kirkwood Community College, Cedar Rapids, Iowa, 1984

Wetland Delineation Training, Environmental Technology Center, Chicago, Illinois, 1997

Wetland Construction and Restoration, Wetland Training Institute, Madison, Wisconsin, 1998

NEPA Practitioners Conference, Iowa Department of Transportation, Ames, Iowa, 2004

Wetland Plant Identification (Spring) - Robert Mohlenbrock Instructor, Iowa Department of Transportation, Ames, Iowa, 2000

Wetland Plant Identification (Fall) - Robert Mohlenbrock Instructor, Iowa Department of Transportation, Ames, Iowa, 2001

Basic Processes in Hydric Soils, North Carolina State University, Raleigh, North Carolina, 2000

USDA Hydric Soils for Wetland Delineation, Natural Resources Conservation Service, Ames, Iowa, 2001

Endangered Species Act Section 7 Consultation, Federal Highway Administration, Ames, Iowa, 2008

Butler's Garter Snake Training, Wisconsin Department of Natural Resources, Milwaukee, Wisconsin, 2007

MEMBERSHIPS

Member, Society for the Study of Amphibians and Reptiles

Member Representative, Society of American Military Engineers, Rock Island Post

Member, Iowa Ornithologists' Union

Fellow, Iowa Academy of Science

PROJECT EXPERIENCE

Wind Energy

WEBAT Bat Data Analysis, Various Locations
Project manager. Coordinated the analysis and provided technical review and QA/QC for an analysis of correlations between bat activity and temperature from 25 site-years of bat acoustic data collected at various sites across the eastern U.S. to determine temperature thresholds for activity.

* denotes projects completed with other firms

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Iowa

Adams Wind Farm, Adams County, Iowa

Project manager. Conducted a pre-construction acoustic bat survey, avian use survey, raptor nest search, eagle use surveys, and threatened and endangered species habitat assessment at the proposed wind farm, analyzed acoustic and avian data, analyzed eagle use data following guidelines set forth in the USFWS Eagle Conservation Plan Guidance and the USFWS 2013 predictive model, wrote reports describing results of the surveys.

Prairie Wind Farm, Mahaska County, Iowa

Project manager. Conducted a pre-construction acoustic bat survey, avian use survey, raptor nest search, eagle use surveys, and threatened and endangered species habitat assessment at the proposed wind farm, analyzed acoustic and avian data, analyzed eagle use data following guidelines set forth in the USFWS Eagle Conservation Plan Guidance and the USFWS 2013 predictive model, wrote reports describing results of the surveys.

Independence Wind Farm, Buchanan and Delaware Counties, Iowa

Project manager. Conducted a pre-construction acoustic bat survey, avian use survey, raptor nest search, eagle use surveys, and threatened and endangered species habitat assessment at the proposed wind farm, analyzed acoustic and avian data, analyzed eagle use data following guidelines set forth in the USFWS Eagle Conservation Plan Guidance and the USFWS 2013 predictive model, wrote reports describing results of the surveys.

Ida Grove Wind Farm, Ida County, Iowa

Project manager. Prepared a Site Characterization Report including a desktop avian, bat, and threatened and endangered species screening analysis.

Buffalo Creek Wind Farm, Franklin County, Iowa

Project manager. Conducted a wetland delineation and habitat assessments for three state-listed species at the site of a proposed 13,000 acre, 210 MW wind farm. Wetlands were delineated using both the Food Securities Act and 1987 COE Manual methods. Mapped wetlands using a GPS system and wrote report describing findings. Conducted a separate avian/bat screening analysis to determine potential risk of avian/bat mortality as a result of the project. Prepared separate habitat evaluation and avian/bat risk screening analysis reports.

Ridgeport Wind Farm, Boone County, Iowa

Project manager. Conducted a wetland delineation, threatened and endangered species screening, hazardous materials screening, and pre-construction acoustic bat survey using Anabat detectors at the site of a 120 MW wind farm. Wetlands were delineated using both the Food Securities Act and 1987 COE Manual methods. Mapped wetlands using a GPS system and wrote reports describing findings. Pre-construction bat surveys utilized ANABAT equipment.

Salt Creek Wind Farm, Tama County, Iowa

Project manager. Conducted a pre-construction acoustic bat survey using full-spectrum detectors, avian use survey, and threatened and endangered species habitat assessment at the proposed wind farm, analyzed acoustic and avian data, wrote reports describing results of the surveys.

EcoVista Wind Farm, Howard and Mitchell Counties, Iowa

Analyzed acoustic data collected using ANABAT detectors during pre-construction bat surveys at the proposed wind farm.

Scranton Wind Farm, Greene County, Iowa

Project manager. Collected pre-construction acoustic bat data using Anabat detectors within the project area and a single season (fall) of bat activity data at a reference site along the North Raccoon River near the proposed project area. Conducted a raptor nest search within the project area and a 10-mile buffer, eagle use surveys, and threatened and endangered species habitat assessment at the proposed wind farm, analyzed acoustic data, analyzed eagle use data following guidelines set forth in the USFWS Eagle Conservation Plan Guidance and the USFWS 2013 predictive model, wrote reports describing results of the surveys. Conducted a desktop wetland determination and field review.

Highland Wind Farm, O'Brien County, Iowa

Project manager. Conducted a wetland delineation, threatened and endangered species screening, pre-construction acoustic bat survey using Anabat detectors, avian point count survey, eagle use survey, and raptor nest search. Prepared reports describing results of the surveys.

Yellow Springs Wind Farm, Louisa County, Iowa

Project manager. Oversaw and provided technical review and QA/QC of an analysis of eagle use data using methods set forth in the USFWS Eagle Conservation Plan Guidance and the USFWS 2013 predictive model.

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Illinois

Pioneer Trail Wind Farm, Iroquois and Ford Counties, Illinois

Project manager. Conducted pre-construction acoustic bat surveys using Anabat detectors at the proposed 150 MW wind farm, analyzed acoustic data, wrote report describing results of the survey. Prepared and Avian and Bat Protection Plan for the project.

Prepared a Habitat Conservation Plan (HCP) in support of an ESA Section 10 Incidental Take Permit application for the endangered Indiana bat and proposed endangered northern long-eared bat, including calculating an estimate of take, impacts of minimization measures, and utilization of the Resource Equivalency Analysis (REA) model for impact of take and mitigation calculations. Assisted owner with development of mitigation options and consultation with the USFWS.

Hoopeston Wind Farm, Vermillion County, Illinois

Project manager. Conducted a fall migration acoustic bat survey using full spectrum detectors at the site of the proposed wind farm, analyzed data and wrote a technical memorandum describing the results of the survey.

Prepared a Habitat Conservation Plan (HCP) in support of an ESA Section 10 Incidental Take Permit application for the endangered Indiana bat and proposed endangered northern long-eared bat, including calculating an estimate of take, impacts of minimization measures and mitigation options.

Pleasant Ridge Wind Farm, Livingston County, Illinois

Project manager. Conducted an aerial raptor nest search with emphasis on eagle nests within the project boundary of the proposed wind farm and a 10-mile buffer and provided technical review and QA/QC of the final report. Oversaw the preparation of a Bird and Bat Conservation Strategy (BBCS) for the wind project and provided technical review and QA/QC of the BBCS. Assisted the owner with agency consultation.

Settler's Trail Wind Farm, Iroquois County, Illinois

Project manager. Conducted pre-construction acoustic bat surveys using Anabat detectors at the proposed 150 MW wind farm, analyzed acoustic data, prepared report describing results of the survey.

Big Sky Wind Farm, Lee and Bureau Counties, Illinois

Project manager. The project included consultation with the Illinois DNR and preparation of a conservation plan for the state-listed Blanding's turtle, Illinois mud turtle, western hognose snake and regal fritillary butterfly as part of an application for an incidental take authorization. The plan included a description of the proposed wind farm project, an assessment of the impacts to the target species and measures to minimize and/or mitigate impacts. In addition, a public notice for the project was prepared for publication in local and statewide newspapers. Wetland delineation and threatened and endangered species surveys for a 13,000 acre wind farm and 15-mile transmission line corridor. Delineated wetlands using a GPS system and prepared two separate reports describing findings. Coordinated with USACE on permitting.

Ford Ridge Wind Farm, Ford County, Illinois

Project manager. Conducted an acoustic presence-absence survey for the northern long-eared bat using full spectrum detectors at the site of the proposed wind farm, analyzed data, and prepared a technical memorandum describing the results of the survey.

Winnebago Wind Farm, Winnebago County, Illinois

Project manager. Conducted a wetland delineation using both the Food Securities Act and 1987 COE Manual methods. Mapped wetlands using a GPS system and prepared report describing findings.

Walnut Ridge Wind Energy Project, Bureau County, Illinois

Project manager. Conducted a wetland delineation and habitat assessment for state and federally-listed species at the site of a proposed 235 MW wind farm. Wetlands were delineated using both the Food Securities Act and 1987 COE Manual methods. Mapped wetlands using a GPS system and prepared reports describing the findings.

Blue Ridge Wind Farm, Champaign, McLean and Piatt Counties, Illinois

Project manager. Conducted a preliminary desktop and windshield assessment of potential wetlands within the proposed study area. Prepared report describing findings and provided mapping for planning purposes. Conducted a pre-construction acoustic bat survey using Anabat detectors within the limits of the proposed wind farm. Prepared final reports describing the findings.

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California Ridge II Wind Energy Facility, Vermillion County, Illinois

Project manager. Coordinated the development of a Bird and Bat Conservation Strategy (BBCS) for the proposed wind farm project and provided technical review and QA/QC of the BBCS.

Crescent Ridge II Wind Energy Project, Bureau County, Illinois

Project manager. Conducted a desktop habitat assessment for the federally endangered Indiana bat at the site of a proposed wind farm. Prepared report describing findings.

Cardinal Point Wind Energy Project, Henderson, Warren, McDonough Counties, Illinois

Analyzed acoustic data collected using ANABAT detectors during pre-construction bat surveys at the proposed wind farm. Provided technical review and QA/QC of a Conservation Plan for the upland sandpiper and lined snake for use as an Illinois DNR Incidental Take Permit (ITP) application.

EcoGrove Wind Farm, Stephenson County, Illinois
Oversaw and coordinated a pre-construction avian point count survey, analyzed data, and prepared the final report. Analyzed acoustic data collected using ANABAT detectors during pre-construction bat surveys at the proposed wind farm.

Indiana

Fowler Ridge Wind Farm, Benton County, Indiana
Environmental Impact Statement Manager responsible for overseeing preparation of an EIS to address the effects of a proposed Habitat Conservation Plan on the Indiana bat. The EIS reviews the effects associated with constructing up to 94 additional turbines at an existing 355- turbine wind project. Responsible for coordination with the USFWS, preparation of the NOI and NOA, authoring sections of the EIS, editing the EIS, alternatives analysis, attendance at public meetings, preparing responses to public comments, management of Stantec staff conducting noise analysis, wetland determinations, cultural resources evaluations and preparing photosimulations for the project. Developed and prepared a Bird and Bat Conservation Strategy (BBCS) for the project.

Wildcat Wind Farm, Tipton & Madison County, Indiana

Project manager. Conducted two seasons of pre-construction acoustic bat surveys using full spectrum detectors and an two Indiana bat mist-netting surveys at the proposed 300 MW wind farm, analyzed data acoustic data, prepared reports describing results of the surveys.

Prepared a Habitat Conservation Plan (HCP) in support of an ESA Section 10 Incidental Take Permit application for the endangered Indiana bat and proposed endangered northern long-eared bat, including calculating an estimate of take, impacts of minimization measures, and utilization of the Resource Equivalency Analysis (REA) model for impact of take and mitigation calculations. Assisted owner with development of mitigation options and consultation with the USFWS.

Conducted 3 years of post-construction mortality monitoring at the site. Oversaw the data analysis including an estimate of take, searcher efficiency, and carcass removal rates utilizing data collected during spring and fall post-construction mortality studies. Provided technical review and QA/QC of the annual reports.

Michigan

Gratiot County Wind Farm, Gratiot County, Michigan

Project manager. Conducted 1 year of post-construction mortality monitoring at the site. Oversaw the data analysis including an estimate of take, searcher efficiency, and carcass removal rates utilizing data collected during spring and fall post-construction mortality studies. Provided technical review and QA/QC of the final report.

Sanilac Wind Farm, Sanilac County, Michigan

Project manager. Prepared a Site Characterization Report including a desktop avian, bat and threatened and endangered species screening analysis.

Hillsdale Wind Farm, Hillsdale County, Michigan

Conducted pre-construction acoustic bat survey using full spectrum detectors and oversaw an Indiana bat mist-netting survey at the proposed 100 MW wind farm, analyzed data acoustic data and prepared report describing results of the survey, provided technical review and QA/QC of the final mist-netting report.

Minnesota

Bent Tree Wind Farm, Freeborn County, Minnesota
Project manager. Wetland delineation and threatened and endangered species surveys for a 19,000 acre, 300 MW wind farm. Wetlands were delineated using both the Food Securities Act and 1987 COE Manual methods. Mapped wetlands using a GPS system and wrote two separate reports describing findings. Conducted a separate avian/bat screening analysis to determine potential risk of avian/bat mortality as a result of the project. Conducted pre-construction bird surveys in the project area and prepared final report.

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EcoHarmony Wind Farm, Fillmore County, Minnesota

Analyzed acoustic data collected using Anabat detectors during pre-construction bat surveys at the proposed wind farm.

Odell Wind Farm, Cottonwood, Jackson, Martin, and Watonwon Counties, Minnesota

Project manager. Completed an environmental due diligence review for a prospective buyer of the proposed wind farm, including review of eagle risk and the eagle take permitting process.

Missouri

Lost Creek Wind Farm, DeKalb County, Missouri

Project manager. Conducted a threatened and endangered species, bird and bat screening analysis and pre-construction bird survey to assess the potential risk posed to these species as a result of the proposed 200 MW wind facility.

Authored a biological assessment under Section 7 of the Endangered Species Act assessing impacts to federally listed species with emphasis on the federally endangered Indiana bat.

Conducted 1 year of post-construction mortality monitoring at the site including an acoustic bat survey using full spectrum detectors. Oversaw the data analysis including an estimate of take, searcher efficiency, and carcass removal rates utilizing data collected during spring, summer, and fall post-construction mortality studies. Prepared the annual report.

High Prairie Wind Farm, Schuyler County, Missouri

Project manager. Conducted a threatened and endangered species, bird, and bat screening analysis to assess the potential risk posed to these species as a result of the proposed 50 MW wind facility. Conducted a separate Indiana bat habitat assessment for the project to assess potential impacts to the federally-listed Indiana bat. Prepared reports describing results of the studies.

Farmers City Wind Farm, Atchison County, Missouri

Project manager. Wetland delineation for a 19,000 acre, 112 MW wind farm. Wetlands were both aerially and field delineated. Mapped wetlands using a GPS system and prepared report describing findings.

Greenfield Wind Farm, Clinton County, Missouri

Project manager. Conducted pre-construction acoustic bat surveys using full spectrum detectors, avian use survey, threatened and endangered species surveys and wetland delineations at the proposed 90 MW wind farm, analyzed acoustic and avian data, prepared reports describing results of the surveys.

Northwest Wind Energy Facility, Nodaway County, Missouri

Project manager. Conducted a habitat evaluation for the federally-listed Indiana bat within the project limits of the proposed wind farm. Prepared report describing findings.

King Lake Wind Farm, DeKalb County, Missouri

Project manager. Conducted a habitat evaluation for the federally-listed Indiana bat within the limits of the proposed wind farm. Prepared report describing findings.

North Dakota

Courtenay Wind Farm, Stutsman County, North Dakota

Project manager. Completed an environmental due diligence review for a prospective buyer of the proposed wind farm, including review of eagle risk and the eagle take permitting process.

Nebraska

Grande Prairie Wind Farm, Holt County, Nebraska

Environmental Impact Statement Manager responsible for overseeing preparation of an EIS to address the effects of a 266-turbine wind project interconnecting with a Western Area Power Administration transmission line. Responsible for coordination with Western Area Power Administration and the project proponent, facilitation of bi-weekly project calls, authoring sections of the EIS, editing the EIS, facilitation and attendance at public meetings, and preparation of a ESA Section 7 Biological Assessment. Developed and prepared a Wildlife Conservation Strategy (WCS) for the project.

Grande Prairie Wind Farm, Holt County, Nebraska

Project manager. Completed an environmental due diligence review for a prospective buyer of the proposed wind farm, including review of eagle risk and the eagle take permitting process.

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Broken Bow Wind Farm, Custer County, Nebraska
Project manager. Conducted a literature and database review to identify bat species known to occur within the project area and prepared a preliminary bat screening assessment to assess the general risk to bat species as a result of the proposed project.

Elkhorn Ridge Wind Farm, Knox County, Nebraska
Project manager. Oversaw the preparation of an office determination of wetlands on agricultural lands and a field delineation of wetlands at the site of a proposed wind farm. Provided technical review and QA/QC of the final report.

Ohio

Glacier Ridge Wind Farm, Hardin and Logan Counties, Ohio
Project manager. Conducted pre-construction acoustic bat surveys using full spectrum detectors at the proposed 200 MW wind farm, analyzed acoustic data, prepared report describing results of the survey.

Buckeye Wind Farm, Champaign County, Ohio
Project manager and technical advisor for the preparation of a Prepared a Habitat Conservation Plan (HCP) in support of an ESA Section 10 Incidental Take Permit application for the federally endangered Indiana bat. Participated in project meetings and agency coordination during preparation of the HCP. Provided expert witness testimony on avian and bat issues for the Ohio Power Siting Board Hearing.

Hardin Wind Farm, Hardin County, Ohio
Project manager. Conducted an aerial raptor nest search with emphasis on eagle nests within the project boundary of the proposed wind farm and a 10-mile buffer. Provided technical review and QA/QC of the final report.

Scioto Ridge Wind Farm, Hardin County, Ohio
Coordinated eagle use surveys at the site. Provided technical review and QA/QC of modeling to predict potential eagle fatalities at the proposed wind farm using the results of an eagle use survey at the project site and following guidelines set forth in the U.S. Fish and Wildlife Service's Eagle Conservation Plan Guidance and the USFWS 2013 predictive model.

Oklahoma

Osage County Wind Farm, Osage County, Oklahoma
Project manager. Conducted a threatened and endangered species, bird, and bat screening analysis to assess the potential risk posed to these species as a result of the proposed 200 MW wind facility.

Pennsylvania

North Allegheny Wind Farm, Blair and Cambria Counties, Pennsylvania
Environmental Assessment Manager and lead author responsible for overseeing preparation of an Environmental Assessment under NEPA to address the effects of a proposed Habitat Conservation Plan on the Indiana and northern long-eared bat. Responsible for coordination with the USFWS, preparation of the NOI and NOA, authoring sections of the EA, editing the EA, alternatives analysis, attendance at public meetings, preparing responses to public comments, and management of Stantec staff.

South Dakota

SummitWind Farm, Grant County, South Dakota
Project manager. Oversaw the preparation of noise and shadow models for the proposed wind farm, provided technical review and QA/QC of the final report.

Tennessee

Grundy County Wind Farm, Grundy County, Tennessee
Project manager. Conducted a critical issues analysis for the proposed wind farm including a threatened and endangered species, bird, and bat screening, and preparation of a map set displaying existing GIS reference data layers showing pertinent natural resource and civil features, including but not limited to, roads, political boundaries, orthophotography, wetlands, soils, hydrography, and railroads. Prepared report describing results of the analysis.

Texas

Los Vientos Wind Farm, Willacy and Cameron Counties, Texas
Project manager. Conducted mobile pre-construction bat surveys at the proposed wind farm, analyzed data acoustic data, prepared report describing results of the surveys.

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Spur Ridge Wind Farm, Dickens County, Texas
Project manager. Conducted a desktop assessment of potential wetlands within the project limits. Wrote report describing findings.

Wisconsin

White Oak Wind Farm, Grant County, Wisconsin
Project manager. Conducted a wetland delineation, threatened and endangered species, bird, and bat screening analysis, threatened and endangered species surveys, and pre-construction bird surveys at the site of the proposed 100 MW wind facility to assess the potential risk posed to these species as a result of the proposed wind facility. Provided technical review and QA/QC of the final reports.

Arlington Wind Farm, Columbia County, Wisconsin
Project manager. Conducted an office determination of wetlands on agricultural lands and prepared a preliminary report describing wetland findings. Conducted field delineation of wetlands and waterways at collector routes, access roads and turbine locations. Prepared final report describing findings.

Red Oak Wind Farm, Grant County, Wisconsin
Conducted a stationary and mobile acoustic bat survey using Anabat detectors at the site of the proposed wind farm, analyzed data, and prepared a final report describing the results of the survey.

Tisch Mills Wind Farm, Manitowoc and Kewaunee Counties, Wisconsin
Analyzed acoustic data collected using Anabat detectors during pre-construction bat surveys at the proposed wind farm, assisted with preparation of the final report.

PUBLICATIONS

Christiansen, J.L. and T.J. VanDeWalle. 2000.
Effectiveness of three trap types in drift fence surveys. *Herpetol. Rev.* 31(3):158-160.

Jones, P.C., R.B. King, R.L. Bailey, N.D. Bieser, K. Bissell, H. Campa, III, T. Crabill, M.D. Cross, B.A. Degregorio, M.J. Dreslik, F.E. Durbian, D.S. Harvey, S.E. Hecht, B.C. Jellen, G. Johnson, B.A. Kingsbury, M.J. Kowalski, J. Lee, J.V. Manning, J.A. Moore, J. Oaks, C.A. Phillips, K.A. Prior, J.M. Refsnider, J.D. Rouse, J.R. Sage, R.A. Seigel, D.B. Shepard, C.S. Smith., T.J. VanDeWalle, P.J. Weatherhead, and A. Yagi. 2012. Range-wide analysis of eastern massasauga survivorship. *The Journal of Wildlife Management*, 76: 1576-1586. doi: 10.1002/jwmg.418, 2012.

Otten, J.G. and T.J. VanDeWalle. 2014. *Apalone spinifera* (Spiny Softshell), *Chelydra serpentina* (Snapping Turtle), and *Sternotherus odoratus* (Eastern Musk Turtle). *Homing Behavior. Herpetol. Rev.* 45(2):309-311.

Sethuraman, A., S. E. McGaugh, M.L. Becker, C. H. Chandler, J. L. Christiansen, S. Hayden, A. LeClere, J. Monson-Miller, E. M. Myers, R. T. Paitz, J.M. Refsnider, T.J. VanDeWalle and F.J. Janzen. Population genetics of Blanding's turtle (*Emys blandingii*) in the midwestern United States. 2013. *Conservation Genetics* (2013): 1-13.

VanDeWalle, T. J. 2005. *Sistrurus catenatus catenatus* (Eastern Massasauga): male-male combat. *Herpetol. Rev.* 36:196-197.

VanDeWalle, T.J. 2010. Snakes and lizards in your pocket: A guide to reptiles of the Upper Midwest. *Univ. of Iowa Press, Iowa City, IA.*

VanDeWalle, T.J. 2011. Turtles in your pocket: A guide to freshwater and terrestrial turtles of the Upper Midwest. *Univ. of Iowa Press, Iowa City, IA.*

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VanDeWalle, T.J. 2011. Frogs and toads in your pocket: A guide to amphibians of the Upper Midwest. *Univ. of Iowa Press, Iowa City, IA.*

VanDeWalle, T.J. 2013. Salamanders in your pocket: A guide caudates of the Upper Midwest. *Univ. of Iowa Press, Iowa City, IA.*

VanDeWalle, T. J. and S. J. Carlson. 2009. Geographic Distribution. *Storeria occipitomaculata occipitomaculata. Herpetol. Rev. 40(1):117.*

VanDeWalle, T. J., and J. L. Christiansen. 1996. A relationship between river modification and species richness of freshwater turtles in Iowa. *J. Iowa Acad. Sci. 103 (1-2):1-8.*

VanDeWalle, T. J., and E. A. Day. 2008. The aerial angle on fatal flaw analysis. *North American Windpower 5 (3): 20-22.*

VanDeWalle, T.J., Poole, K.E., Marler, S.C. and C.A. Chumbley. 2007. Regulatory compliance and ecological performance of mitigation wetlands in an agricultural landscape. In Proceedings of the International Conference on Ecology and Transportation, edited by C. Leroy Irwin, Debra Nelson, and K.P. McDermott. Raleigh, NC: Center for Transportation and the Environment, North Carolina State University.

VanDeWalle, T. J., K. K. Sutton, and J. L. Christiansen. 1996. *Pseudacris crucifer*: An Iowa Case History Study of an Amphibian Call Survey. *Herpetol. Rev. 27(4): 183-185.*

VanDeWalle, T.J. and W.L VanDeWalle. 2008. *Sistrurus catenatus catenatus* (Eastern Massasauga): diet. *Herpetol. Rev. 39(3):358.*

VanDeWalle, T.J., and C.D. Van Gorp. 1996. Geographic Distribution. *Pseudacris crucifer. Herpetol. Rev. 27(2):86.*

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