

**Publications, Reports and Presentations from Coastal Dune Research  
in P.J. Hoffmaster State Park, MI  
by Deanna van Dijk and Undergraduate Research Students at Calvin University  
(plus Collaborators from Other Institutions)**

\* indicates undergraduate student

Listings are in reverse chronological order (recent to older). Last updated: 2022-01-31.

**Refereed (Peer-Reviewed) Publications**

- van Dijk, D. 2021. "Foredune dynamics at a Lake Michigan site during rising and high lake levels." *Journal of Great Lakes Research*. 47: 1581-1593. doi: 10.1016/j.jglr.2021.10.012.
- Hansen, E., S. DeVries-Zimmerman, R. Davidson-Arnott, D. van Dijk, B. Bodenbender, Z. Kilibarda, T. Thompson, B. Yurk. 2020. "Dunes of the Laurentian Great Lakes." In Lancaster, N., and P. Hesp, eds., *Inland Dunes of North America*. Dunes of the World, Springer Nature, Switzerland: 65-120. [https://doi.org/10.1007/978-3-030-40498-7\\_3](https://doi.org/10.1007/978-3-030-40498-7_3).
- DeVries-Zimmerman, S. J., E. C. Hansen, T. G. Fisher, B. E. Bodenbender, B. P. Yurk, and D. van Dijk. 2018. "Coastal dune environments of southeastern Lake Michigan: Geomorphic histories and contemporary processes." In Florea, L. J. (editor) *Ancient Oceans, Orogenic Uplifts, and Glacial Ice: Geologic Crossroads in America's Heartland*. Geological Society of America Field Guide 51: 205-235.
- Belford\*, A., S. D. Kenbeek\*, J. VanHorn, and D. van Dijk. 2014. "Using remote sensing and geospatial analysis to understand changes to Lake Michigan dunes." In Fisher, T. G., and Hansen, E., eds., *Coastline and Dune Evolution Along the Great Lakes*. Geological Society of America Special Paper 508: 217-228. doi:10.1130/2014.2508(12).
- van Dijk, D. 2014. "Short- and long-term perspectives on the evolution of a Lake Michigan foredune." In Fisher, T. G., and Hansen, E., eds., *Coastline and Dune Evolution Along the Great Lakes*. Geological Society of America Special Paper 508: 195-216. doi:10.1130/2014.2508(11).
- Yurk, B., E. C. Hansen, S. DeVries-Zimmerman, Z. Kilibarda, D. van Dijk, B. Bodenbender, A. Krehel, and T. Pennings. 2014. "The role of extratropical cyclones in shaping dunes along southern and southeastern Lake Michigan." In Fisher, T. G., and Hansen, E., eds., *Coastline and Dune Evolution Along the Great Lakes*. Geological Society of America Special Paper 508: 167-194. doi:10.1130/2014.2508(10).
- van Dijk, Deanna, and Crystal Bruxvoort. 2013. "Engaging first-year students in the Earth science through dune research: The FYRES experience" *CUR Q on the Web* 34 (4): 24-26; available online at [http://www.cur.org/publications/curq\\_on\\_the\\_web/](http://www.cur.org/publications/curq_on_the_web/).
- Yurk, Brian P., Suzanne DeVries-Zimmerman, Edward Hansen, Brian E. Bodenbender, Zoran Kilibarda, Timothy G. Fisher and Deanna van Dijk. 2013. "Dune complexes along the southeastern shore of Lake Michigan: Geomorphic history and contemporary processes" in Gillespie, R., ed., *Insights into the Michigan Basin: Salt Deposits, Impact Structure, Youngest Basin Bedrock, Glacial Geomorphology, Dune Complexes and Coastal Bluff Stability*. The Geological Society of America (Boulder, CO) Field Guide 31: 57-102.
- van Dijk, D. 2004. "Contemporary geomorphic processes and change on Lake Michigan coastal dunes: an example from Hoffmaster State Park, Michigan." *Michigan Academician* 35(4): 425-453.

## **Research Reports**

- Schumerth\*, N., K. Adamovicz\*, S. E. Detmer\*, D. Martinez Vasquez\*, J. VandeKieft\*, M. Vander Veen\*, and C. Worthington\*. 2019. "Distribution of Eastern Hemlocks and Woolly Adelgid Infestation on a Michigan Coastal Dune System." FYRES: Dunes Research Report #36. Grand Rapids (MI): Department of Geology, Geography and Environmental Studies, Calvin College. 27 p.
- Madrid\*, M., J. Byker\*, C. C. Costello\*, G. R. Lantinga\*. 2018. "Measurement of alongshore dune sediment budgets and movement." FYRES: Dunes Research Report #32. Grand Rapids (MI): Department of Geology, Geography and Environmental Studies, Calvin College.
- McClellan, J. A., C. J. Bjelland, A. N. Casillas, S. S. Jacobs, A. J. Topping, and K. D. VerHill. 2018. "Impacts of White-Tailed Deer on a Lake Michigan Parabolic Dune System." FYRES: Dunes Research Report #31. Grand Rapids (MI): Department of Geology, Geography and Environmental Studies, Calvin College.
- Jacques\*, I. J., P. N. Duimstra\*, N. Hilbrands\*, R. K. Hubka\*, A. M. Lee\*. 2018. "Effects of topographic steering in a small saucer blowout on Lake Michigan." FYRES: Dunes Research Report #30. Grand Rapids (MI): Department of Geology, Geography and Environmental Studies, Calvin College.
- Praamsma\*, S. A., O. J. den Dulk\*, K. R. Post\*, H. R. Siegers\*, and B. J. VanderWindt\*. 2017. "Wrack's Influence on the Foredunes of Lake Michigan." FYRES: Dunes Research Report #29. Grand Rapids (MI): Department of Geology, Geography and Environmental Studies, Calvin College. 19 p.
- Paquette\*, A. J., S. Davis\*, M. H. Hoatlin\*, H. M. Spaulding\*, and C. VanderVeen\*. 2017. "Investigating a Boardwalk's Effect on a Lake Michigan Coastal Dune." FYRES: Dunes Research Report #27. Grand Rapids (MI): Department of Geology, Geography and Environmental Studies, Calvin College. 14 p.
- Lindemulder\*, C. R., J. E. Atkinson\*, A. Eikenberry\*, L. M. O. Ferraby\*, T. M. Grasman\*, T. Hartman\*, and E. Westphal\*. 2017. "Characteristics of a Partially-Vegetated Slipface as Indicators of Dune Advance." FYRES: Dunes Research Report #24. Grand Rapids (MI): Department of Geology, Geography and Environmental Studies, Calvin College. 21 p.
- Grevengoed\*, L. G., S. DeGraaf\*, H. P. Leisman\*, M. McNamara\*, and S. Sukaria\*. 2016. "Interactions Between Sequential Blowouts, Their Features, and Sand Transport." FYRES: Dunes Research Report #22. Grand Rapids (MI): Department of Geology, Geography and Environmental Studies, Calvin College. 16 p.
- Gerber\*, K. E., C. J. Bohnet, L. B. Ebels, and M. B. Springer. 2016. "Environmental Assessment of a *Cirsium pitcheri* Restored Population on the Coast of Lake Michigan." FYRES: Dunes Research Report #19. Grand Rapids (MI): Department of Geology, Geography and Environmental Studies, Calvin College. 15 p.
- Reynolds\*, C. O., R. M. Conover\*, M. Jansen\*, and N. Mulder\*. 2016. "Investigation of Variables Affecting a Rare Plant Species, *Cirsium pitcheri*, on Mt. Baldy in P.J. Hoffmaster State Park." FYRES: Dunes Research Report #18. Grand Rapids (MI): Department of Geology, Geography and Environmental Studies, Calvin College. 15 p.
- LePage\*, G., B. Bouman\*, B. Johnson\*, R. Kiper\* and M. Smith\*. 2015. "Boardwalk Interactions with a Lake Michigan Dune System." FYRES: Dunes Research Report #17. Grand Rapids (MI): Department of Geology, Geography and Environmental Studies, Calvin College. 28 p.

Research Reports (cont.)

- Strydhorst\*, N., S. Franklin\*, L. Ong\*, and A. Pemberton\*. 2015. "Characteristics of a Natural Vegetation Population on a Lake Michigan Foredune." FYRES: Dunes Research Report #13. Grand Rapids (MI): Department of Geology, Geography and Environmental Studies, Calvin College. 21 p.
- Bulthuis\*, J. 2014. "Slipface analysis of recent activity of Mt. Baldy in P.J. Hoffmaster State Park." Unpublished report for Geography 252, Department of Geology, Geography and Environmental Studies, Calvin College, 16 p.
- Burkley\*, K., A. Hocking\*, B. Howell\*, E. Medema\*, J. Newswanger\*, C. Thorne\* and A. Tiemeyer\*. 2014. "Blowouts and Unmanaged Trails in Hoffmaster State Park, Michigan." FYRES: Dunes Research Report #11. Grand Rapids (MI): Department of Geology, Geography and Environmental Studies, Calvin College. 18 p.
- LePage\*, G. 2014. "Historical analysis of a dune in Hoffmaster State Park, MI." Unpublished report for Geography 252, Department of Geology, Geography and Environmental Studies, Calvin College, 16 p.
- Swineford\*, J.T., N. DeVries\*, J. DeVries\*, J. D. Gorter\*, J.T. Spykman\* and J.J. Santucci\*. 2014. "The Impacts of Three Autumn Storms on a Lake Michigan Foredune." FYRES: Dunes Research Report #10. Grand Rapids (MI): Department of Geology, Geography and Environmental Studies, Calvin College. 14 p.
- Brinks\*, L., K.E. Gerber\*, J.-L. Sin\*, J.T. Swineford\* and A.K. Zapata\*. 2013. "The Effects of Two Fall Storms on a Lake Michigan Foredune." FYRES: Dunes Research Report #7. Grand Rapids (MI): Department of Geology, Geography and Environmental Studies, Calvin College. 17 p.
- Stratz\*, J., R. Bylsma\*, S. Carrick\*, H. Damsteegt\* and T. Nykamp\*. 2012. "Interactions between Blowouts and Trails in a Lake Michigan Coastal System." FYRES: Dunes Research Report #1. Grand Rapids (MI): Department of Geology, Geography and Environmental Studies, Calvin College. 16 p.
- Pettinga\*, L. and D. van Dijk. 2008. "Contemporary geomorphology of the Homestead Trail parabolic dune (Dune 1) in P.J. Hoffmaster State Park, MI." Unpublished report to P.J. Hoffmaster State Park and Michigan Department of Natural Resources, 41 p; pdf available.
- Meyer\*, D. and D. van Dijk. 2007. "A study of Mt. Baldy in P.J. Hoffmaster State Park, MI." Unpublished report to P.J. Hoffmaster State Park and Michigan Department of Natural Resources, 39 p.
- Zirkle\*, J. and D. van Dijk. 2005. "The biogeography of a coastal dune system in P.J. Hoffmaster State Park." Unpublished report to P.J. Hoffmaster State Park and Michigan Department of Natural Resources, 38 p.
- Bierma\*, R., A. Benthem\* and D. van Dijk. 2003. "2002 geomorphic inventory of coastal dunes in P.J. Hoffmaster State Park, MI." Unpublished report to P.J. Hoffmaster State Park and Michigan Department of Natural Resources, 79 p.
- Benthem\*, A., R. Bierma\* and D. van Dijk. 2003. "A detailed description of the Homestead Trail Parabolic Dune (Dune 1) in P.J. Hoffmaster State Park, MI." Unpublished report to P.J. Hoffmaster State Park and Michigan Department of Natural Resources, 23 p.

Research Reports (cont.)

van Dijk, D., K.H. Van Kley\* and A.L. Tinklenberg\*. 2001. "A preliminary study of contemporary sand transport rates and processes within a beach-dune system in P.J. Hoffmaster State Park." Unpublished report to P.J. Hoffmaster State Park and Michigan Department of Natural Resources, 41 p.

### **Oral and Poster Presentations at Scientific Conferences**

- Benedict\*, K. C., A. Arendt\*, P. Brodeur\*, J. Eising\*, J. Hiegel\*, M. Snella\*. 2020. "Mapping beach-dune sediment exchanges along the Lake Michigan shoreline." Annual Meeting of the Michigan Academy of Science, Arts, and Letters, Virtual Conference hosted by Lawrence Technological University (Southfield, MI), 26 September 2020.
- Schumerth\*, N., K. Adamovicz\*, S. E. Detmer\*, D. Martinez Vasquez\*, J. VandeKieft\*, M. Vander Veen\*, and C. Worthington\*. 2019. "Distribution of *Tsuga canadensis* and *Adelges tsugae* infestation on a Michigan coastal dune." Annual Meeting of the Michigan Academy of Science, Arts, and Letters, Alma College (Alma, MI), 1 March 2019.
- van Dijk, D. 2018. "Foredune dynamics as lake levels rise: Hoffmaster State Park, Michigan." Invited presentation as part of the Workshop on *Coastal Dune Dynamics During Rising Sea/Lake Levels* at Indiana University Northwest, 26 April 2018.
- Dillon\*, J., R. Gelderloos\*, K. Mollison\*, K. Westra\*. 2018. "Investigation of sediment cells in a Michigan dune system." Annual Meeting of the Michigan Academy of Science, Arts, and Letters, Central Michigan University (Mount Pleasant, MI), 9 March 2018; poster.
- Jacques\*, I., P. Duimstra\*, N. Hilbrands\*, R. Hubka\*, A. Lee\*. 2018. "Evidence of topographic steering in a small saucer blowout on Lake Michigan." Annual Meeting of the Michigan Academy of Science, Arts, and Letters, Central Michigan University (Mount Pleasant, MI), 9 March 2018; poster.
- Madrid\*, M., J. Byker\*, C. C. Costello\*, G. R. Lantinga\*. 2018. "Measurement of alongshore dune sediment budgets and movement." Annual Meeting of the Michigan Academy of Science, Arts, and Letters, Central Michigan University (Mount Pleasant, MI), 9 March 2018.
- McClellan\*, J., C. J. Bjelland\*, A. N. Casillas\*, S. S. Jacobs\*, A. J. Topping\*, K. D. VerHill\*. 2018. "Impacts of white-tail deer on a Lake Michigan parabolic dune system." Annual Meeting of the Michigan Academy of Science, Arts, and Letters, Central Michigan University (Mount Pleasant, MI), 9 March 2018; poster.
- Wierenga\*, M., M. Brady\*, C. Lantinga\*, M. Niesar\*, S. Van Berkel\*. 2018. "Effect of pathogens on a wooded dune environment." Annual Meeting of the Michigan Academy of Science, Arts, and Letters, Central Michigan University (Mount Pleasant, MI), 9 March 2018; poster.
- Wong\*, K.-W., A. Crago\*, C. Komodore\*, T. Nguyen\*. 2018. "Humans alter the sediment budget for beach-dune environments in west Michigan." Annual Meeting of the Michigan Academy of Science, Arts, and Letters, Central Michigan University (Mount Pleasant, MI), 9 March 2018; poster.
- Lindemulder\*, C. R., J. E. Atkinson\*, A. Eikenberry\*, L. M. O. Ferraby\*, T. M. Grasman\*, T. Hartman\*, E. W. Westphal\*. 2017. "Characteristics of a partially-vegetated slipface as indicators of dune advance." Annual Meeting of the Michigan Academy of Science, Arts, and Letters, Western Michigan University (Kalamazoo, MI), 10 March 2017.
- Paquette\*, A. J., S. Davis\*, M. H. Hoatlin\*, H. M. Spaulding\*, C. VanderVeen\*. 2017. "Investigating a boardwalk's effects on a Lake Michigan coastal dune." Annual Meeting of the Michigan Academy of Science, Arts, and Letters, Western Michigan University (Kalamazoo, MI), 10 March 2017; poster.

Conference Presentations (cont.)

- Praamsma\*, S. A., O. J. den Dulk\*, K. R. Post\*, H. R. Siegers\*, B. J. VanderWindt\*. 2017. "Wrack's influences on the foredunes of Lake Michigan." Annual Meeting of the Michigan Academy of Science, Arts, and Letters, Western Michigan University (Kalamazoo, MI), 10 March 2017.
- Gerber\*, K. E., C. J. Bohnet\*, L. Ebels\*, and M. B. Springer. 2016. "Environmental assessment of a *Cirsium pitcheri* restored population on the coast of Lake Michigan." Annual Meeting of the Michigan Academy of Science, Arts, and Letters, Saginaw Valley State University (University Center, MI), 4 March 2016; poster.
- Grevengoed\*, L. G., S. DeGraaf\*, H. P. Leisman\*, M. McNamara\*, and S. Sukaria\*. 2016. "The Interactions Between Blowout Features and Sand Transport." Annual Meeting of the Michigan Academy of Science, Arts, and Letters, Saginaw Valley State University (University Center, MI), 4 March 2016; poster.
- Reynolds\*, C. O., R. M. Conover\*, M. Jansen\*, and N. Mulder\*. 2016. "Investigation of variables affecting a rare plant species, *Cirsium pitcheri*, in P.J. Hoffmaster State Park." Annual Meeting of the Michigan Academy of Science, Arts, and Letters, Saginaw Valley State University (University Center, MI), 4 March 2016; poster.
- LePage\*, G., B. Bouman\*, B. Johnson\*, R. Kiper\*, and M. Smith\*. 2015. "Boardwalk interactions with a Lake Michigan dune system." Annual Meeting of the Michigan Academy of Science, Arts, and Letters, Andrews University (Berrien Springs, MI), 13 March 2015.
- Strydhorst\*, N., S. Franklin\*, L. Ong\* and A. Pemberton\*. 2015. "Characteristics of a natural vegetation population on Lake Michigan foredunes." Annual Meeting of the Michigan Academy of Science, Arts, and Letters, Andrews University (Berrien Springs, MI), 13 March 2015; poster.
- Strydhorst\*, N., A. Hughey\*, and D. van Dijk. 2014. "Engaging undergraduate research students in science with the First-Year Research in Earth Sciences project." Michigan Space Grant Consortium Conference (Ann Arbor, MI), 18 October 2014.
- Burkley\*, K., A. Hocking\*, B. Howell\*, E. Medema\*, J. Newswanger\*, C. Thorne\* and A. Tiemeyer\*. 2014. "Blowouts and unmanaged trails in Hoffmaster State Park, Michigan." Annual Meeting of the Michigan Academy of Science, Arts, and Letters, Oakland University (Rochester, MI), 28 February 2014; poster.
- Swineford\*, J.T., N. DeVries\*, J. DeVries\*, J. D. Gorter\*, J.T. Spykman\* and J.J. Santucci\*. 2014. "Impacts of three autumn storms on a Lake Michigan foredune." Annual Meeting of the Michigan Academy of Science, Arts, and Letters, Oakland University (Rochester, MI), 28 February 2014; poster.
- Bleeker\*, T., J. Arevalo\*, L. Brinks\*, J. Karsten\*, S. Musch\*, A. Parkin\*. 2013. "Enhancing the first-year geography student experience: The importance of research mentors in inquiry-based learning." Annual Meeting of the Association of American Geographers (Los Angeles, CA), 9-13 April 2013; poster.
- Brinks\*, L., K. Gerber\*, J.-L. Sin\*, J. Swineford\*, A. Zapata\*. 2013. "The effects of two fall storms on a Lake Michigan foredune." North-Central Section of the Geological Society of America (Kalamazoo, MI), 2-3 May 2013.
- van Dijk, D. 2013. "The First-Year Research in Earth Sciences (FYRES): Dunes project." Michigan Space Grant Consortium Conference (Ann Arbor, MI), 2 November 2013.

Conference Presentations (cont.)

- van Dijk, D., and C. Bruxvoort. 2013a. "The First-Year Research in Earth Sciences (FYRES): Dunes project." Transforming Undergraduate Education in Science, Technology, Engineering and Mathematics (TUES) program PI conference hosted by the American Society for the Advancement of Science and the National Science Foundation (Washington, DC), 23-25 January 2013; poster.
- van Dijk, D., and C. Bruxvoort. 2013c. "Meeting the challenges of embedding an undergraduate research experience in a general-education science course for first-semester students." Geological Society of America Annual Meeting (Denver, CO), 27-30 October 2013; poster.
- Stratz\*, J.M., R.R. Bylsma\*, S.B. Carrick\*, H. M. Damsteegt\* and T.J. Nykamp\*. 2012. "Interactions between blowouts and trails in a Lake Michigan coastal system." Annual Meeting of the Michigan Academy of Science, Arts and Letters, Alma College (Alma, MI), 2 March 2012; poster.
- Wright\*, V. and D. van Dijk. 2012. "Can the use of Hsu's model for sand transport rates help scientists understand Lake Michigan coastal dunes?" Annual Meeting of the Michigan Academy of Science, Arts and Letters, Alma College (Alma, MI), 2 March 2012; poster.
- Kenbeek\*, S.D., A. Belford\*, J.E. VanHorn and D. van Dijk. 2011. "Remote sensing and geospatial analysis of active Lake Michigan dunes." Annual meeting of the Association of American Geographers (Seattle, WA), 12-16 April 2011; poster.
- Yurk, B., Z. Kilibarda, D. van Dijk and E. Hansen. 2011. "Monitoring the effects of storm winds on coastal dunes at southern and southeastern Lake Michigan." Annual meeting of the Association of American Geographers (Seattle, WA), 12-16 April 2011.
- Koster\*, A.M., C.A. Maike\*, A.E. Parkin\* and D. van Dijk. 2011. "Properties of niveo-aeolian deposits in Hoffmaster State Park, MI." Annual Meeting of the Michigan Academy of Science, Arts and Letters, Saginaw Valley State University (Saginaw City, MI), 11 March 2011.
- Belford\*, A., S.D. Kenbeek\*, J.E. VanHorn and D. van Dijk. 2010. "Geospatial analysis of west Michigan dunes: Remote sensing, GIS, GPS." Annual meeting of the East Lakes Division of the Association of American Geographers. Grand Valley State University (Grand Rapids, MI), 23 October 2010.
- van Dijk, D. 2010b. "Understanding the variability of Lake Michigan foredune evolution." Annual meeting of the East Lakes Division of the Association of American Geographers. Grand Valley State University (Grand Rapids, MI), 23 October 2010.
- Ferwerda\*, B. and D. van Dijk. 2010. "Determining human impacts and management presence in Lake Michigan coastal dunes." Annual meeting of the Association of American Geographers (Washington, DC), 14-18 April 2010; poster.
- van Dijk, D. 2010. "Short-term variability in Lake Michigan foredune evolution." Annual meeting of the Association of American Geographers (Washington, DC), 14-18 April 2010.
- Ferwerda\*, B. 2010. "Determining human impacts and management presence in Lake Michigan coastal dunes." Annual Meeting of the Michigan Academy of Science, Arts and Letters, Calvin College (Grand Rapids, MI), 26 March 2010.

Conference Presentations (cont.)

- van Dijk, D. 2009b. "Lake Michigan foredune evolution and short-term variations in lake level, weather and vegetation." 52<sup>nd</sup> Conference on Great Lakes Research. International Association for Great Lakes Research. University of Toledo (Toledo, OH), 20 May 2009.
- van Dijk, D. 2009. "Undergraduate research is building an understanding of Lake Michigan coastal dunes." Annual meeting of the Association of American Geographers (Las Vegas, NV), 22-27 March 2009; illustrated paper.
- Pettinga\*, L.A. and D. van Dijk (2008). "Contemporary geomorphology of a large parabolic dune on the east shore of Lake Michigan, USA." Annual meeting of the Geological Society of America, Houston, TX, 5-9 October 2008; poster.
- Schmitkors\*, J. P., B. Geurink\*, J.E. VanHorn and D. van Dijk (2008). "Using a geographic information system to map patterns of change in a Lake Michigan coastal dune system." Annual Meeting of the Michigan Academy of Science, Arts and Letters, Western Michigan University (Kalamazoo, MI), 7 March 2008.
- van Dijk, D. (2007). "Understanding contemporary changes to Lake Michigan coastal dunes." 50<sup>th</sup> Conference on Great Lakes Research. International Association for Great Lakes Research. Pennsylvania State University (University Park, PA), 29 May 2007.
- Koster\*, D. and D. van Dijk (2007). "Evolution of a coastal dune blowout in Hoffmaster State Park, Michigan." Annual Meeting of the Michigan Academy of Science, Arts and Letters, Ferris State University (Big Rapids, MI), 9 March 2007.
- van Dijk, D. (2006). "Contemporary geomorphology of Lake Michigan coastal dunes." Great Lakes Dunes Conference. Traverse City, MI, 3-4 October 2006.
- van Dijk, D. (2006). "Contemporary aeolian activity in a mid-latitude freshwater coastal dune system, Lake Michigan, USA." International Conference on Aeolian Research VI. University of Guelph, Guelph, Ontario, Canada. 24-28 July 2006; poster.
- van Dijk, D., M.C. Campbell\* and A.L. Tinklenberg (2006). "Foredune evolution on the east shore of Lake Michigan." Annual meeting of the Association of American Geographers. Chicago, IL, 10 March 2006.
- Campbell\*, M.C. and D. van Dijk (2005). "Communicating to the general public the results of a study of contemporary Lake Michigan coastal dune activity." Annual meeting of the Geological Society of America, Salt Lake City, UT, 16-19 October 2005.
- Bentham, A.J.\*, D. van Dijk and R.M. Bierma (2004). "Geomorphology of contemporary coastal dunes in P. J. Hoffmaster State Park, Michigan." Annual Meeting of the Michigan Academy of Science, Arts and Letters, Grand Rapids, MI, 5 March 2004.
- Bierma, R.M.\*, A.J. Bentham\* and D. van Dijk (2002). Coastal dune geomorphology in PJ Hoffmaster State Park on the east coast of Lake Michigan. Annual meeting of the Geological Society of America, Denver, CO, 27-30 October 2002; poster.
- van Dijk, D. (2002). The seasonal nature of contemporary geomorphic change in a Lake Michigan coastal dune system. Meeting of the East Lakes Division of the Association of American Geographers, Mount Pleasant, MI, 18-19 October 2002.
- Hutchful, M.N.\*, A.L. Tinklenberg\* and D. van Dijk (2002). The changing morphology of a Lake Michigan beach-foredune-dune ridge system. Meeting of the East Lakes Division of the Association of American Geographers, Mount Pleasant, MI, 18-19 October 2002; poster.



Conference Presentations (cont.)

Tinklenberg, A.L.\* and D. van Dijk (2002). The influence of microclimate on sand movement by wind at an eastern Lake Michigan coastal dune site. Meeting of the North-Central Section of the Geological Society of America, Lexington, KY, 3-5 April 2002; poster.

van Dijk, D. and A.L. Tinklenberg\* (2002). "Foredune growth during low lake levels on the east coast of Lake Michigan" Annual meeting of the Association of American Geographers, Los Angeles, CA, 21 March 2002.

Van Kley, K.H.\* and D. van Dijk (2001). "Monitoring sand movement by wind on the east shore of Lake Michigan." Meeting of the North-Central Section of the Geological Society of America, Bloomington, IL, 23-24 April 2001; poster.

### **Online Resources for Michigan Dunes**

- FYRES. 2022. “First-Year Research in Earth-Sciences (FYRES): Dunes”. An online description of the FYRES project with research results made available in report, poster and abstract formats. [calvin.edu/go/fyres](http://calvin.edu/go/fyres)
- VanHorn, J.E. and D. van Dijk. 2015. “Understanding Michigan Dunes” An online application in the journal map theme. [gis.calvin.edu/dunes](http://gis.calvin.edu/dunes)
- VanHorn, J.E., D. van Dijk, K. Burkley, B. Hilbrands, and A Hughey. 2014. “Michigan Dune Inventory GIS” An online application with mapping tools and data focused on Michigan dunes. [gis.calvin.edu/MDI](http://gis.calvin.edu/MDI)

### **Presentations, Programs and Interpretation for Broader Audiences**

- van Dijk, D. 2021. "What we can learn about science from Michigan dune research." Keynote Address, Michigan Space Grant Consortium Conference, Calvin University (Grand Rapids, MI). 18 October 2021.
- van Dijk, D. 2014. "Building our knowledge of Michigan coastal dunes: A few grains at a time." Plenary presentation. West Michigan Undergraduate Research Conference, Van Andel Institute (Grand Rapids, MI). 15 November 2014.
- van Dijk, D. 2014. "Why do Michigan dunes change?" Invited seminar. Department of Geology, Geography and Environmental Studies, Calvin College, Grand Rapids, MI. 14 November 2014.
- Hansen, E., J. Legge, and D. van Dijk. 2008. "Living with sand dunes from a scientific perspective." Public lecture at P.J. Hoffmaster State Park Gillette Sand Dune Visitor Center, MI. 28 February 2008.
- van Dijk, D. 2005. 'Winter Wonderland: A different look at Lake Michigan Beaches' Interpretive program at Bunker Interpretive Center, Calvin College Ecosystem Preserve. 8 January 2005.
- van Dijk, D. 2004. "Park Sand Dune Research: Rewriting the Interpretive Story" Park hike at P.J. Hoffmaster State Park as part of National Association of Interpreters field trip. 19 November 2004.
- van Dijk, D. 2002. "The Changing Face of Lake Michigan Sand Dunes" Public lecture at P.J. Hoffmaster State Park Gillette Sand Dune Visitor Center, MI. 24 October 2002.
- van Dijk, D. 2002. "Lake Michigan coastal dunes." Presentation to grade four students at Holmes Elementary School, Spring Lake, MI. 27 September 2002.