

Privacy Notice

I hereby acknowledge that the information I provide in this application is subject to disclosure pursuant to the North Carolina Public Records Laws, and that I provide the information contained in this application freely and voluntarily, and that by submitting my application to Wake County I consent to such disclosure pursuant to the North Carolina Public Records Laws, and that I waive and release Wake County, its agents, employees and elected and appointed officials, from any liability related to disclosure of any information provided herein.

Profile

Which Boards would you like to apply for?

Wake County Water Partnership: Submitted

Please select your first Board preference: *

Water Partnership

Please select your second Board preference: *

None Selected

Please select your third Board preference: *

None Selected

Please select your fourth Board preference: *

None Selected

Please select your fifth Board preference: *

None Selected

Please select your sixth Board preference: *

None Selected

michael

First Name

voiland

Last Name

Middle Initial

172 roaring creek drive,

Street Address

Suite or Apt

Garner

City

NC

State

27529

Postal Code

What district do you live in?

None Selected

Mobile: (919) 607-0816

Primary Phone

Home: (919) 376-9287

Alternate Phone

mick@mikemickxer.com

Email Address

retired

Employer

Job Title

If you live in an Extraterritorial Jurisdiction Area, select Yes:

Yes No

In order to assure countywide representation, please indicate your place of residence:

Garner

Interests & Experiences

Why are you interested in serving on a Board or Commission?

Am retired and looking to volunteer in a water-related program.

Work Experience

Former director, North Carolina Water Resources Research Institute, 2009-2012 Former director, North Carolina Sea Grant College, 2006-2012 Former assistant director, Cornell University Agricultural Experiment Station, 2000-2006 Former assistant director, Cornell University Cooperative Extension, 2006-2012

Volunteer Experience

Town of Garner Planning Commission, 2000-2006

Education

PhD, 1981, Natural Resources Management, SUNY College of Environmental Science & Forestry, Syracuse, NY

Comments

[MPVCurriculum_Vita_MOST_RECENT.docx](#)

Upload a Resume

If you have another document you would like to attach to your application, you may upload it below:

Please upload a file

michael voiland

Demographics

Date of Birth

Gender *

Male

Ethnicity *

Caucasian

Other

How did you become aware of Wake County volunteer opportunities?

County Website

If you selected "Other" above, how?

[MPVCurriculum_Vita_MOST_RECENT.docx](#)

Please upload a file

ETHICS GUIDELINES FOR COUNTY ADVISORY BOARDS AND COMMISSIONS

By submitting this electronic application, if appointed, I pledge by my signature below that I have read and will comply with the ethics guidelines for advisory boards and commissions as adopted by the Wake County Board of Commissioners, found [here](#).

RESUME

MICHAEL P. VOILAND

Personal Address/Contact:

172 Roaring Creek Drive
Garner, NC 27529
919-376-9287 (residence); 919-607-0816 (cell)
Email: mick@mikemickxer.com

Last Office Address (prior to retirement):

Box 8605, Room 108 Varsity Research Building, Module 1
1575 Varsity Drive
N. C. State University
Raleigh, NC 27695-8605

Personal Data:

DOB: 12/16/49
Citizenship: USA
Married to Nancy Ann Voiland
Parent to Doria Elizabeth Ruthven
Grandparent to Riley, Reese, and Sawyer Ruthven

Education:

Ph.D., 1981 State University of New York College of Environmental Science and Forestry at Syracuse University. Field: Natural Resource Management.
M.A., 1974 State University of New York at Albany. Field: Geography. Specialization: Cartographic methods
B.A., 1972 State University of New York at Albany (Magna cum laude). Major: Geography. Minor: Anthropology

Employment:

2009-Present, Manager/Scheduler/Member, MikeMickXer Musical Enterprises (a sole (for-profit) proprietorship).

2006-2012 Executive Director, North Carolina Sea Grant Program, University of North Carolina system.

2009-2012 Director, Water Resources Research Institute of the University of North Carolina. Served as Acting Director from April-August 2009.

2009-2012 Adjunct Associate Professor, Department of Biology, N.C. State University.

2007-2012 Adjunct Research Associate Professor, Department of Environmental Studies, University of North Carolina-Wilmington.

2000-2006 Assistant Director for Research and Extension, Cornell University Agricultural Experiment Station and Cornell Cooperative Extension.

1998-2000 Assistant Director, Office of Government Affairs, Cornell University.

1994-1998 Senior Legislative Associate, Office of Government Affairs, Cornell University.

1987.1994 Associate Director and Extension Program Leader, New York Sea Grant Institute, Cornell/SUNY Stony Brook.

1987.1994 Senior Extension Associate, Department of Natural Resources, College of Agriculture and Life Sciences, Cornell University.

1991, 1993 Acting Director, New York Sea Grant Institute, Cornell/SUNY at Stony Brook.

1985-1986 Great Lakes Program Coordinator, New York Sea Grant Program, Cornell Cooperative Extension.

1976.1985 Regional Extension Specialist, New York Sea Grant Program, Cornell Cooperative Extension.

1975.1976 Adjunct Professor, SUNY College of Environmental Science and Forestry at Syracuse.

Special Experiences/Duties (selected):

Member, Town of Garner (NC) Planning Commission, 2020-present.

Member, CAPT (Citizens and Police Together), Police Department, Town of Garner, NC. January 2019-present.

Graduate, Citizens Police Academy, Police Department, Town of Garner, NC. November 2018.

Member, Board of Directors, Creekside Subdivision Home Owners Association, Garner NC. 2018-2020.

Vote Protector for DemocracyNC. Stationed on Election Day at East Garner Elementary School, November 6, 2018.

Environmental Advisor, Campaign to Elect Deborah Cleary to Congress. 2014.

Reviewer, Great Lakes Sea Grant Network Awards Competition, 2014.

Interviewer, Screening Team, Coastal Management Fellows. North Carolina Sea Grant Program, 2013.

Presenter, NC Coastal Zone Management Program Federal Evaluation and Site Review, September 2011, Raleigh, NC.

Presenter, NCCR/NERR Federal Evaluation and Site Review, December 2009, Raleigh, NC.

Member, Advisory Board, Carolinas Integrated Sciences and Assessments (CISA) Program (funded by NOAA Regional Integrated Sciences and Assessments (RISA) Program; <http://www.cas.sc.edu/geog/research/cisa/index.html>), 2010-2012.

Member, North Carolina State Water Infrastructure Commission, 2009-2012

Commissioner, North Carolina Sedimentation Control Commission, 2009-2012 (vice-chair, 2011-12).

Member, UNC Coastal and Marine Research Council, 2008-2012.

Delegate (for the UNC system), Board Member, Treasurer, and External Relations Chair, The Sea Grant Association (<http://www.sga.seagrant.org>), July 2006-December 2012.

Facilitator, *ad hoc* committee on seeking state support for North Carolina oyster restoration, January 31 (Ocean, NC) and April 7 (Raleigh, NC), 2008.

Member, Steering Committee, *NOAA in the Carolinas* (www.carolinas.noaa.gov) 2007-2012 (member, Executive Committee, 2011-2012).

Member, N.C. Department of Environment and Natural Resources Advisory Committee for the Coordination of Waterfront Access (pursuant to N.C. Session Law 2007-485), 2007-2012.

Member, Steering Committee, Southeast Atlantic Research Priorities Project, National Sea Grant Office and Georgia Coastal Research Council, 2006-2012.

Co-Chair, Strategic Planning Sub-Committee, National Research Council Response Integration Team (RIT), National Sea Grant College Program, 2006-07.

UNC Coastal Studies Institute, Science Coordinating Committee, 2007-2009.

Member and Chair, North Carolina General Assembly Special Legislative Waterfront Access Study Committee, August 2006-April 2007.

Member, Advisory Board, Centers for Ocean Sciences Education Excellence – Southeast (COSEE-SE; NSF and NOAA funded; www.cosee-se.org), 2006-2012.

The following activities/positions were all undertaken while employed at Cornell University within either its College of Agriculture & Life Sciences (CALS), the Cornell University Agricultural Experiment Station (CUAES), Cornell Cooperative Extension (CCE), or Office of Government Affairs.

Member, CALS Communications Advisory Committee, 2006.

Acting CUAES representative, National Sun Grant Program Initiative, July-August, 2005

Acting CUAES administrative liaison, Northeast Regional Research (NERA) Multistate Project NE-1001, *Application of Sewage Biosolids to Agricultural Soils in the Northeast: Long-term Impacts and Benefit Uses*, June-July 2005.

Chair, CCE State Specialist Search Committee, 2005.

Coordinator, Visit to Cornell University campus of USDA Under-Secretary for Research, Extension and Education Rodney Brown, November, 2004.

Member, Assistant Director Search Committee, Cornell Office of Governmental Relations, 2004

Task Group Leader, Establishing a CCE Smith-Lever Project Reporting System, 2003-2004.

Coordinator, writer and editor, *P.C. Update* (periodic electronic newsletter to the Cornell Applied Research and Extension Program Councils), 2004-2006.

Coordinator, writer and editor, *CUAES Annual Report*, 2003-04.
Chair, CCE Task Group on Venture Funding, Spring 2004.

Technical advisor and member, CALS Strategic Communications Task Force, 2003-04.
Co-chair, Association of Cornell Cooperative Extension Employees (ACCEE), 2004.

Member, NYS Water Resources Institute Faculty Advisory Committee, 2003-2006.

Co-chair, ACCEE Conference Planning Committee, 2002-2003.

Member, CALS Stakeholder Response Team, 2001-2002.

Member and coordinator, NERA-NEED North East Research-Extension Collaborative (NEREC-1001), *Piloting a Regional Research and Extension Approach to Integrated Deer Damage Management*, 2002-2005.

Leader, Enhanced Program Development Structure and Process Implementation, Cornell Cooperative Extension and Cornell University Agricultural Experiment Station, January 2001-2006.

Member, Cornell Cooperative Extension News Service Editorial Board, 2000.

Member, New Staff Introductions/Orientation Committee, Cornell Cooperative Extension, 2000-2006.

Member, National Oceanic and Atmospheric Administration (NOAA) Blue Ribbon Panel to Review the National Sea Grant Extension Program, 2000.

Cornell contact and coordinator, Cornell University-Syracuse University, NASA-NYS Space Engineering/Science Initiative, 1999-2000. See ultimate outcome of this effort at: <http://www.news.cornell.edu/releases/March01/Award.NASA.deb.html>

Coordinator, Cornell University's Response to U.S. Rep. Amory Houghton on the Dairy Crisis in the Southern Tier, 1998-2000.

Delegate for Cornell, Council of Government Affairs, National Association of State Universities and Land Grant Colleges, 1995-2000.

Delegate for Cornell and Member, External Relations Committee. The Sea Grant Association, 1987-2000.

Member, Editorial Board, *Focus*, quarterly magazine of the NYS College of Agriculture and Life Sciences at Cornell University, 1997-2000.

Member, Executive Committee, Cornell University Program on Breast Cancer and Environmental Risk Factors in New York State, 1995-2000.

Member, Ex-Officio, Cornell University Research Council, Office of the Vice President for Research and Advanced Studies, 1997-1998.

Member, Ex-Officio, Cornell University Research Directors Council, Office of the Vice President for Research and Advanced Studies, 1997-1998.

Coordinator, Annual surveys of federal research grant support to major research universities in New York State, 1995-2000.

Organizer, Congressional staff briefing on the New York City Watershed Issue, The Capitol Building, Washington, D.C. Co-sponsored by Cornell and the Offices of U.S. Reps. Maurice Hinchey and Sherwood Boehlert, June 10, 1994.

Member, Advisory Board, Great Lakes Program, SUNY at Buffalo, 1991-1994.

Member, Board of Governors, New York Great Lakes Research Consortium, 1992-1994.

Research and Educational Grants:

Principal Investigator for 2006-2012 biennial North Carolina Sea Grant Omnibus Programs (NOAA), \$3.4M per biennium.

Principal Investigator, N.C. Fishery Resource Grant Program, \$100K - \$1M annually (from N.C. General Assembly). 2006-2012.

Principal Investigator, N.C. Blue Crab & Shellfish Research Program, \$169K - 500K annually (from N.C. General Assembly via UNC-GA). 2006-2012.

Principal Investigator for (with signature authority over) more than \$1 million annually in federal, state, local, and private grants to Cornell and the State University of New York (SUNY), relating to coastal/aquatic resource topics and issues, 1988-1994.

Selected Honors, Recognition, and Awards:

Awardee, William Wick Award for Excellence in Administration, National Sea Grant Assembly of Extension Program Leaders. November 2013.

Recipient, *2012 University Award for Excellence*, N.C. State University's Office for Research, Innovation and Economic Development. Fall 2012.

"Bidding Adieu: A Collective Tip of the Hat." Article written by Katie Mosher and recognizing Michael Voiland's accomplishments and contributions as director of the North Carolina Sea Grant Program. *Coastwatch*, Holiday issue, 2012.

Commendation received in 2009 from U.S. Geological Survey upon completion of a federal review of N.C. Water Resources Research Institute programs. The USGS associate director for water noted that "We commend the current Director, Dr. Michael Voiland, for continuing an outstanding program."

Recipient, *President's Award*, Sea Grant Association, for efforts advancing SGA's external relations goals. October 2010.

Receiver (on behalf of the N. C. Sea Grant Program), *N.C. Governor's Conservation Achievement Award, 2007 Natural Resources Agency of the Year*, February 2008.

Co-recipient, *2006 Partnership Award* (as a member of the Aquatic Invasive Species Toolkit Team), Coastal America Partnership for Action, Washington, D.C.

Co-author (with Michael Duttweiler) of the 2005 Annual Report to USDA/CSREES on Cornell research and extension programs. The report was officially recognized as “an outstanding accomplishments report,” and representing “the ‘Gold Standard’ for both organization and usefulness.” The recognition commended the Cornell authors “for presenting a balanced portfolio that includes youth, family, and nutrition programs in addition to agriculture and natural resources.”

Recipient, *2005 State Distinguished Service Award*, Epsilon Sigma Phi National Honorary Extension Fraternity, Lambda Chapter-New York. Awarded at the ACCEE (Association of Cornell Cooperative Extension Employees) Annual Conference, May 11, 2006, Syracuse, NY.

Recognized in *The Public Affairs Report of the Association of American Universities*, December 1, 1998. Credited *The Cornell Chronicle* article of 11/12/98 (see below under “Government Affairs Publications”) as an accurate and detailed overview of the effects of appropriations on the university.

Recipient, *Outstanding Service Award*, New York Sea Grant Institute, 1998.

Recipient, *Appreciation Award for Outstanding Contributions to the Association*, New York State Outdoor Writers Association. 1992.

State of New York Legislative Resolution - *Senate No. 489, “Honoring Dr. Michael P. Voiland, Jr.”* March 10, 1987.

Recipient, *First Annual Award of Merit and Lifetime Honorary Membership Award*, Lake Ontario Charter Boat Association. 1986.

Recipient, *Outstanding Marine Advisory Service Program*, Great Lakes Sea Grant Network (comprised of the Sea Grant College programs of the universities of Minnesota, Wisconsin, Michigan, Ohio State, Indiana, Illinois, SUNY, and Cornell). 1985.

Publications:

North Carolina Sea Grant:

Voiland, Michael. “Winds of Change,” *Coastwatch*, Autumn issue, 2012 (inside front cover).

Voiland, Michael. “Doing the Needful and Doing It Well,” *Coastwatch*, Winter issue, 2011 (inside front cover).

Voiland, Michael. “Nurturing Future Leaders,” *Coastwatch*, Spring issue, 2011 (inside front cover).

Voiland, Michael. "The Oil Spill: Regional Ties that Bind," *Coastwatch*, Autumn issue, 2010 (inside front cover).

Voiland, Michael. "Testing Better Ideas: FRG at 15," *Coastwatch*, Summer issue, 2010 (inside front cover).

C. Laporte, M. Alber, D. Bryant, M. R. DeVoe, K. Havens, C. Hopkinson, S. Rebach, D. Sanger, M. Spranger, and M. Voiland. 2010. South Atlantic Regional Research Plan. Georgia Coastal Research Council. University of Georgia, Athens, GA. 29 pp. (<https://repository.gatech.edu/entities/publication/2ee372cb-795d-4cfd-a8cf-1b48eca501e7>)

Voiland, Michael and Kathleen Angione. "North Carolina's Initial Approach to Retaining and Enhancing Working Waterfronts and Public Access," *Proceedings, 21st International Conference of The Coastal Society: Coastal Footprints: Minimizing Human Impacts , Maximizing Stewardship*, July 1, 2008, Redondo Beach, CA, pp. 363-367.

Voiland, Michael. "On Recognition and New Research," *Coastwatch*, Early Summer issue, 2008 (inside front cover).

Voiland, Michael. "Research Funding Mysteries Solved," *Coastwatch*, Autumn issue, 2007 (inside front cover).

Voiland, Michael. "Waterfront Reflections," *Coastwatch*, Early Summer issue, 2007 (inside front cover).

North Carolina Waterfront Access Study Committee. Final Report to the N.C. Joint Legislative Commission on Seafood and Aquaculture, the N.C. Marine Fisheries Commission and the N.C. Coastal Resources Commission. Michael Voiland, principal author. April 13, 2007. North Carolina Sea Grant, UNC-SG-07-03. https://www.ncseagrant.org/files/WASC_FINAL_web.pdf

Cornell University Agricultural Experiment Station and Cornell Cooperative Extension Media:

Voiland, Michael. "Preproposal Submissions Up for Federal Formula Funding," *e-CALScconnect*, v. 12-3, March 2006.

Voiland, Michael. "Cornell's 'Other' Ag Experiment Station Works to Improve the State's and Region's Forestry Resources," *The New York Forest Owner*, v. 43, n. 5, September/October 2005.

Voiland, Michael. "Books by Development Sociology Faculty Address Rural Issues, Trends," CUAES news release, November 11, 2004. Printed in the *Ithaca Journal*, November 13, 2004.

Voiland, Michael. "2004-2005 Federal Formula Funding Awards," *CALS Connect*, v. 11, n. 1, November 2004.

Voiland, Michael (ed.). *Cornell University Agricultural Experiment Station 2003-04 Annual Report*. September 2004. CUAES, Ithaca, NY. (See at <http://cuaes.cornell.edu/CUAESWeb/CUAESAnnRpt0304.pdf>).

Voiland, Michael (ed.). *P.C. Update*. A periodic electronic newsletter to members of the Applied Research and Extension Program Councils. May 2004 to June 2006.

Voiland, Michael. "Federal Formula Funding Priorities," *CALS Connect*, v. 10, n. 2, April 2004.

Voiland, Michael. "CALS Researchers Collaborate with SUNY Ag & Tech Faculty," *Focus* (CALS magazine), v. 12, n. 1, Fall 2003.

Voiland, Michael (editor). *A Regional Research and Educational Approach to Managing Deer Damage in the Northeast*. Proposal for special federal grant funding to U.S. Reps. James Walsh and Maurice Hinchey. March 2003.

Voiland, Michael. Co-author and co-editor. *The Cornell University Agricultural Experiment Station: Promoting, Supporting and Applying Research in and for New York since 1979*. Informational brochure and displays. July 2002.

Voiland, Michael. "CALS and SUNY Ag and Tech Collaborate on Research," *CALS Connect*, v. 9, n. 2, October 2002.

Voiland, Michael. "What is the Cornell University Agricultural Experiment Station?" *ALS News*, September 2002.

Voiland, Michael. "CCE/CUAES Program Councils Hold Inaugural Conferences," *CALS Connect*, v. 8, n. 5, March 2002.

Voiland, Michael. "CCE, CUAES Join Forces in Program Development," *CALS Connect*, v.8, n. 3, December 2001.

Voiland, Michael. "CUAES in the 21st Century." CUAES. Spring 2001. 1 p.

Voiland, Michael. "Five Examples of How Public Investments in Research and Extension Can Benefit New York Agriculture and the State of New York." Developed for public dissemination as background to the Agricultural Systems Initiative (ASI). Fall 2000. 2 p.

Cornell Government Affairs Publications:

Voiland, Michael and Taiya Luce (Eds.), Charles Kruzansky, Elizabeth LaPolt and Stephen Philip Johnson. *Annual Reports of the Cornell Office of Government Affairs*, 1998, 1999, and 2000.

Voiland, Michael. "President's Budget Again a Mixed Bag for University-Based Ag programs," *CALS News*, a monthly newsletter for the College of Agriculture and Life Sciences, April 2000.

Voiland, Michael. "Proposed Federal Budget Is Encouraging On Student Aid, Science Programs," *The Cornell Chronicle*, v. 31, n. 24, March 2, 2000, pp. 1, 4.

Voiland, Michael. Cornell University: A Leading Research University in New York State and the Nation. Cornell University Office of Government Affairs, January 2000 and May 2003, 2 p.

Voiland, Michael. "FY2000 Federal Budget Has Some Positive News for Students, Universities," *The Cornell Chronicle*, v.31, n. 16, December 9, 1999, pp. 1, 10.

Voiland, Michael. *Upland Dairy Transitioning: The START (Southern Tier Agricultural Revitalization and Transitioning) Program*. Submitted to (at the request of) U.S. Rep. Amory Houghton, New York's 31st Congressional District. Cornell University Office of Government Affairs, April 15, 1999. 2 pp.

Voiland, Michael. "CALs Exhibits in Washington Well Received," *CALS News*, a monthly newsletter for the College of Agriculture and Life Sciences, v. 5-7, April 1999, pp. 1, 4.

Voiland, Michael. "Clinton's Budget Proposal Is Mixed for Students, Researchers, Programs," *The Cornell Chronicle*, v. 30, n. 22, February 18, 1999, pp. 1, 4.

Voiland, Michael, and Linda McCandless. *Development of the "Gene Gun" at Cornell*. New York State Agricultural Experiment Station, Geneva, NY. February 1999.

Voiland, Michael. *A Dozen Tips on Meeting with Congressional Representatives*. Cornell University Office of Government Affairs. 1997. Revised February 1999. 1 p.

Voiland, Michael. *Development of the "Gene Gun" at Cornell: The Key Role of an NSF Research Center*. Briefing piece submitted to U.S. Rep. James Walsh. Cornell University Office Of Government Affairs, February 1999.

Voiland, Michael. "Ag Appropriations Up But Still Lag Behind," *CALS News*, a monthly newsletter for the College of Agriculture and Life Sciences, v. 5-4, December 1998, p. 12.

Voiland, Michael. "Federal Budget Has Good News for Universities," *The Cornell Chronicle*, v. 30, n. 13, November 12, 1998, pp. 1,4.

Voiland, Michael. *The States' Role in and Approaches to Science and Technology Development*. Briefing document used by the Coalition of New York College Presidents and Chancellors before the *New York Times* Editorial Board. October 7, 1998. 4 pp.

Voiland, Michael (Ed.), Stephen Philip Johnson, and Charles Kruzansky. *Annual Report of the Cornell Office of Government Affairs*, 1997 and 1998.

Voiland, Michael. *Federal Research Grant Support to Major Research Universities in New York State*. Cornell University Office of Government Affairs. Table based on annual survey. 1995 through 2000. 1 p.

Voiland, Michael. *Cornell Addressing the Needs of the Dairy Industry in the Southern Tier*. Cornell University Office of Government Affairs, March 1998. 1 p.

Voiland, Michael. "Congress to Reauthorize Ag Research, Education, and Extension Programs," *CALS News*, a monthly newsletter for the College of Agriculture and Life Science, v. 4-2, October 1997, p. 5.

Voiland, Michael. *New York State's Coastal Fisheries: Resources at Risk*. Proposal to the New York State Legislature for FY1997 funding. Cornell University Office of Government Affairs, March 1997, 2 pp.

Voiland, Michael. *Federal Relations Plan for the College of Agriculture and Life Sciences*. Cornell University Office of Government Affairs, January 1996 and January 1997.

Voiland, Michael. "Ag Appropriations for FY97 Enacted: University Research, Extension, and Teaching Do Relatively Well," *CALS News*, a monthly newsletter for the College of Agriculture and Life Sciences, v. 3-3, November 1996, p. 2

Voiland, Michael. "Fiscal Year 1997 Agricultural Appropriations," *CALS News*, a monthly newsletter of the College of Agriculture and Life Sciences, v. 2-8, June 1996, p. 3.

Bonn, Ellen, David Watkins, and Michael Voiland. *Cornell Impact: Cornell Makes a Difference for Families, Communities, and Businesses*. The Colleges of Human Ecology and Agriculture and Life Sciences, and Cornell Cooperative Extension, June 1996. 2 pp.

Voiland, Michael. "1996 Farm Bill Now Law," *CALS News*, a monthly newsletter for the College of Agriculture and Life Sciences, v. 2-7, May 1996, p. 6.

Voiland, Michael. "Federal Budget Update: Turmoil and Mixed Reviews." *The Cornell Chronicle*, January 18, 1996.

Peer-Reviewed Publications:

Voiland, M., K. Gall, D. Lisk, and D. MacNeill. 1991. "Effectiveness of Recommended Fat-Trimming Procedures on the Reduction of PCB and Mirex Levels in the Brown Trout (*Salmo Trutta*) from Lake Ontario," *Journal of Great Lakes Research*, 17(4):454-460.

Voiland, M., K. Gall, D. Lisk and D. MacNeill. 1991. "The Effectiveness of Recommended Fat-Trimming Procedures on the Reduction of PCB and Mirex Levels in Lake Ontario Brown Trout (*Salmo Trutta*)." *Proceedings of the 1990 Tropical and Subtropical Fisheries/Atlantic Fisheries Technology Conference*, pp. 340-352. Gainesville FL: Florida Sea Grant Program.

Dawson, C. and M. Voiland. 1990. "The Great Lakes Charter Fishery in the 1990's." In J. O'Leary, D. Fesenmaier, T. Brown, D. Stynes and B. Driver (eds.), *Proceedings of the 1990 Outdoor Recreation Trends Symposium III*, Vol. II, pp. 694-706. Indiana University, Indianapolis, IN.

Voiland, M. 1989. "Bringing Science to the Lakeshore," *New York Food and Life Sciences Quarterly*, 19(4):28-31, NYS College of Agriculture and Life Sciences, Cornell University, Ithaca, NY.

Dawson, C. and M. Voiland. 1988. "The Development of the Lake Ontario Sportfishery: Socioeconomic Impacts in the New York State." In D. Hickox (ed.), *The Great Lakes: Living with North America's Inland Waters*. American Water Resources Assn., Bethesda, MD, pp. 259-268.

Haynes, J., D. Nettles, K. Parnell and M. Voiland. 1986. "Post-Spawning Movements of Rainbow/Steelhead Trout in Lake Ontario and a Hypothesis for the Influence of Spring Thermal Structure," *Journal of Great Lakes Research*, 12(4):304-313.

Voiland, M. 1984. "Coastal Fishing Access: Needs and New Initiatives." In R. Stroud (ed.), *Marine Recreational Fisheries*, 9:97-104. National Coalition for Marine Conservation. Savannah, GA.

Duttweiler, M. and M. Voiland. 1984. "Programming Tomorrow's Tourists," *Extension Review*, 55(1):17-19.

Voiland, M. and M. Duttweiler. 1984. "Where's the Humanity? A Challenge and Opportunity for the Fisheries Community," *Fisheries*, 9(4):10-12.

Voiland, M. 1979. "Economic and Social Impact of a Developing Salmonid Sportfishery: The Case of the 1978 Lake Ontario-Rochester Trout and Salmon Derby". In E.G. Carls (ed.), *Recreation Impacts: The Great Lakes Ecosystem*. Monograph No. 1, Ontario Research Council on Leisure, University of Waterloo, Ontario, Canada, pp. 28-30.

Brown, T., E. Finegan, and M. Voiland. 1979. "Current Use of Water Surface Zoning for Recreation," *Water Resources Bulletin*, 15(2):337-344.

Rowntree, R., D. Heath, and M. Voiland. 1978. "The United States National Park System." In J. Nelson et al. (eds.), *International Experience with National Parks and Reserves*. International Geographic Union, University of Waterloo, Dept. of Geography, Waterloo, Canada, pp. 91-142.

Henderson, F. and M. Voiland. 1975. "Some Possible Effects of Energy Shortages on Residential Preferences," *The Professional Geographer*, 27(2):323-326.

Henderson, F. and M. Voiland. 1975. "Information Sources, Attitudes, and Vacation Area Preferences: A Comment." In J. Jakle (ed.), *Proceedings of the Association of American Geographers*, 7:88-91.

Extension and Other Publications:

Byrne, J., R. Baird, R. Corell, B. J. Copeland, G. R. Heath, F. Hutchinson, F. Kudrna, and M. Voiland. 2000. *A Mandate to Engage Coastal Users: A Review of the National Sea Grant College Extension Program and A Call for Greater National Commitment to Engagement*. National Oceanic and Atmospheric Administration, Silver Spring, MD. 46 pp.

Voiland, M. 2000. *Five Examples of How Public Investments in Research and Extension Can Benefit New York Agriculture and the State of New York*. Cornell University Agricultural Experiment Station, Ithaca, NY. 2 pp.

Voiland, M. and D. MacNeill (eds.) 1985 to 1994. *Charterlines: Quarterly Newsletter for the New York Great Lakes Charter Boat Industry*. New York Sea Grant Extension, Brockport, NY. Circulation: 750.

Malchoff, M., M. Voiland, and D. MacNeill. 1992. *Guidelines to Increase Survival of Released Sport Fish*. Cornell Cooperative Extension Fact Sheet 104SGFS-14.00. Cornell University, Ithaca, NY. 6 pp.

Lucy, J., J. Tiedmann, M. Donnelly, M. Voiland, M. Malchoff, B. Doyle, and J. Vaske. 1991. *Increasing Angler Participation in Marine Catch/Tag-and-Release Fishing Programs*. NMFS Final Report. S-K Grant No. NA89EA-H-V00013. Gloucester, MA. 82 pp.

Voiland, M. and D. Kuehn, 1990. *Thermal Fronts: Magnets for Great Lakes Salmon and Trout*. New York Sea Grant Extension Fact Sheet, Oswego, NY. 8 pp.

Gall, K. and M. Voiland. 1990. *Contaminants in Sportfish: Managing Risks*. Cornell Cooperative Extension Factsheet 104GFS-13.00. Cornell University, Ithaca, NY. 6 pp.

Griffith, D., J. Johnson, J. Boster, M. Voiland and J. Murray. 1989. *Increasing the Use of Underutilized Species among Marine Recreational Fishermen in the Northeast and Mid-Atlantic Regions*. A report to the Marine Advisory Service of the Northeast and Mid-Atlantic Regions. New York Sea Grant Extension, Ithaca, NY. 18 pp.

Voiland, M. and C. Dawson. 1989. "Lake Ontario Salmonid Fishery Development: How Successful Is It?" Invited paper presented at the annual meeting of the New York Chapter of the American Fisheries Society, January 1989, Binghamton, NY. New York Sea Grant Extension, 7 pp.

NYS College of Agriculture and Life Sciences, 1988. *Facts About New York's Coastal Resources*. New York Sea Grant Extension and Media Services, Cornell University, Ithaca, NY. 4 pp.

White, D. and M. Voiland. 1988. *Recreational Development of Your Community Waterfront*. New York Sea Grant Extension, Oswego, NY. 4 pp.

Voiland, M. 1988. "Lake Trout: Leave and Let Live," *Great Lakes Fisherman*. 19(4):70, 86.

Voiland, M. and R.T. Oglesby. 1987. *Freshwater Aquaculture in New York State: Research and Development Needs*. Executive Summary of a Statewide Freshwater Aquaculture Workshop. Department of Natural Resources, Cornell University. Ithaca, NY. 5 pp.

New York Sea Grant Extension and U.S. Fish and Wildlife Service. 1987. *Lake Trout: Leave and Let Live*. 2 pp.

Voiland, M. 1986. "Lake Ontario's Charterboat Industry: A Profile of its Characteristics and Economics." In C. Dawson (ed.), *The Great Lakes Charterboat Fishing Industry*. Great Lakes Sea Grant Network, pp. 17-20.

Voiland, M. 1984. "Manufacturers, Educators, and the Public Cooperate in a Marine Education Program," *NMEA News* (Journal of the National Marine Electronics Association), 11(2):51-53.

Wayne County and New York Sea Grant Extension. 1984. *The 1984 ESLO Trout and Salmon Derby Angler Survey: A Report and Summary*. Wayne County Public Information Office, Lyons, NY. 8 pp.

Buerger, R. and M. Voiland. 1981. *Angling for Smallmouth Bass in Lake Ontario*. New York Sea Grant Extension. Brockport, NY. 16 pp.

Voiland, M. 1980-86. *Rochester (NY) Sunday Democrat and Chronicle* and the *Niagara Falls (NY) Gazette*. Over 120 bi-weekly newspaper columns on Great Lake sportfisheries, boating, water quality, and tourism.

Duttweiler, M. and M. Voiland. 1979, 1981 (revised). *Fish Contaminants: Minimizing Your Intake*. New York Sea Grant Extension, Brockport, NY. 2 pp.

Voiland, M. 1978. *Preparing Those Forgotten Fish for your Dinner Table*. Cornell Cooperative Extension Fact Sheet 400.00. Cornell University, Ithaca, NY. 4 pp.

Select Presentations:

Voiland, Michael. "North Carolina's Study Committee Approach to Retaining and Enhancing Working Waterfronts and Public Access." Presentation at 2010 Working Waterways and Waterfronts Symposium, Portland, ME, Sept. 28, 2010.

Voiland, Michael. "Factors Potentially Bringing Spilled Gulf of Mexico Oil Residues to the South Atlantic Coast of the U.S." Invited presentation made at public meeting convened by U.S. Congressman Mike McIntyre, Wilmington, NC, July 12, 2010.

Voiland, Michael. "North Carolina's Initial Approach to Retaining and Enhancing Working Waterfronts and Public Access." Requested presentation to the State of Alabama Waterfront Access Study Committee, Mobile, AL, June 2, 2009.

Voiland, Michael. "Guiding State Waterfront Access Policy and Programs in North Carolina." Invited presentation at *Water Access 2007: A National Symposium on Working Waterways and Waterfronts*, Norfolk, VA, May 9-11, 2007. Revised version also delivered as an invited presentation at *2007 Commonwealth of Virginia Coastal Zone Partners Workshop*, Portsmouth, VA, Dec. 7, 2007.

Voiland, Michael. "Future Role of Sea Grant in Aquaculture." Invited presentation/powerpoint at *2007 NC Aquaculture Development Conference*, Atlantic Beach, NC, February 9, 2007.

Voiland, M., et al. "Cornell University Applied Research and Extension Integration." Presentation to USDA Under Secretary Rodney Brown, Cornell campus, November 2004.

Voiland, M. and J. D. Murray. "Toward Public Engagement as Federal Agency Policy: The Case and Cause of the National Sea Grant Extension Review." Presented at *Outreach Scholarship 2001*. Pennsylvania State University, University Park, PA. October 15, 2001.

Duttweiler, M. and M. Voiland. "Documenting and Communicating Impact: Unnatural Acts for Faculty?" Presented at *Outreach Scholarship 2001*. Pennsylvania State University, University Park, PA. October 15, 2001.

RESUME

MICHAEL P. VOILAND

Personal Address/Contact:

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N. C. State University
Raleigh, NC 27695-8605

Personal Data:

DOB: 12/16/49
Citizenship: USA
Married to Nancy Ann Voiland
Parent to Doria Elizabeth Ruthven
Grandparent to Riley, Reese, and Sawyer Ruthven

Education:

Ph.D., 1981 State University of New York College of Environmental Science and Forestry at Syracuse University. Field: Natural Resource Management.
M.A., 1974 State University of New York at Albany. Field: Geography. Specialization: Cartographic methods
B.A., 1972 State University of New York at Albany (Magna cum laude). Major: Geography. Minor: Anthropology

Employment:

2009-Present, Manager/Scheduler/Member, MikeMickXer Musical Enterprises (a sole (for-profit) proprietorship).

2006-2012 Executive Director, North Carolina Sea Grant Program, University of North Carolina system.

2009-2012 Director, Water Resources Research Institute of the University of North Carolina. Served as Acting Director from April-August 2009.

2009-2012 Adjunct Associate Professor, Department of Biology, N.C. State University.

2007-2012 Adjunct Research Associate Professor, Department of Environmental Studies, University of North Carolina-Wilmington.

2000-2006 Assistant Director for Research and Extension, Cornell University Agricultural Experiment Station and Cornell Cooperative Extension.

1998-2000 Assistant Director, Office of Government Affairs, Cornell University.

1994-1998 Senior Legislative Associate, Office of Government Affairs, Cornell University.

1987.1994 Associate Director and Extension Program Leader, New York Sea Grant Institute, Cornell/SUNY Stony Brook.

1987.1994 Senior Extension Associate, Department of Natural Resources, College of Agriculture and Life Sciences, Cornell University.

1991, 1993 Acting Director, New York Sea Grant Institute, Cornell/SUNY at Stony Brook.

1985-1986 Great Lakes Program Coordinator, New York Sea Grant Program, Cornell Cooperative Extension.

1976.1985 Regional Extension Specialist, New York Sea Grant Program, Cornell Cooperative Extension.

1975.1976 Adjunct Professor, SUNY College of Environmental Science and Forestry at Syracuse.

Special Experiences/Duties (selected):

Member, Town of Garner (NC) Planning Commission, 2020-present.

Member, CAPT (Citizens and Police Together), Police Department, Town of Garner, NC. January 2019-present.

Graduate, Citizens Police Academy, Police Department, Town of Garner, NC. November 2018.

Member, Board of Directors, Creekside Subdivision Home Owners Association, Garner NC. 2018-2020.

Vote Protector for DemocracyNC. Stationed on Election Day at East Garner Elementary School, November 6, 2018.

Environmental Advisor, Campaign to Elect Deborah Cleary to Congress. 2014.

Reviewer, Great Lakes Sea Grant Network Awards Competition, 2014.

Interviewer, Screening Team, Coastal Management Fellows. North Carolina Sea Grant Program, 2013.

Presenter, NC Coastal Zone Management Program Federal Evaluation and Site Review, September 2011, Raleigh, NC.

Presenter, NCCR/NERR Federal Evaluation and Site Review, December 2009, Raleigh, NC.

Member, Advisory Board, Carolinas Integrated Sciences and Assessments (CISA) Program (funded by NOAA Regional Integrated Sciences and Assessments (RISA) Program; <http://www.cas.sc.edu/geog/research/cisa/index.html>), 2010-2012.

Member, North Carolina State Water Infrastructure Commission, 2009-2012

Commissioner, North Carolina Sedimentation Control Commission, 2009-2012 (vice-chair, 2011-12).

Member, UNC Coastal and Marine Research Council, 2008-2012.

Delegate (for the UNC system), Board Member, Treasurer, and External Relations Chair, The Sea Grant Association (<http://www.sga.seagrant.org>), July 2006-December 2012.

Facilitator, *ad hoc* committee on seeking state support for North Carolina oyster restoration, January 31 (Ocean, NC) and April 7 (Raleigh, NC), 2008.

Member, Steering Committee, *NOAA in the Carolinas* (www.carolinas.noaa.gov) 2007-2012 (member, Executive Committee, 2011-2012).

Member, N.C. Department of Environment and Natural Resources Advisory Committee for the Coordination of Waterfront Access (pursuant to N.C. Session Law 2007-485), 2007-2012.

Member, Steering Committee, Southeast Atlantic Research Priorities Project, National Sea Grant Office and Georgia Coastal Research Council, 2006-2012.

Co-Chair, Strategic Planning Sub-Committee, National Research Council Response Integration Team (RIT), National Sea Grant College Program, 2006-07.

UNC Coastal Studies Institute, Science Coordinating Committee, 2007-2009.

Member and Chair, North Carolina General Assembly Special Legislative Waterfront Access Study Committee, August 2006-April 2007.

Member, Advisory Board, Centers for Ocean Sciences Education Excellence – Southeast (COSEE-SE; NSF and NOAA funded; www.cosee-se.org), 2006-2012.

The following activities/positions were all undertaken while employed at Cornell University within either its College of Agriculture & Life Sciences (CALS), the Cornell University Agricultural Experiment Station (CUAES), Cornell Cooperative Extension (CCE), or Office of Government Affairs.

Member, CALS Communications Advisory Committee, 2006.

Acting CUAES representative, National Sun Grant Program Initiative, July-August, 2005

Acting CUAES administrative liaison, Northeast Regional Research (NERA) Multistate Project NE-1001, *Application of Sewage Biosolids to Agricultural Soils in the Northeast: Long-term Impacts and Benefit Uses*, June-July 2005.

Chair, CCE State Specialist Search Committee, 2005.

Coordinator, Visit to Cornell University campus of USDA Under-Secretary for Research, Extension and Education Rodney Brown, November, 2004.

Member, Assistant Director Search Committee, Cornell Office of Governmental Relations, 2004

Task Group Leader, Establishing a CCE Smith-Lever Project Reporting System, 2003-2004.

Coordinator, writer and editor, *P.C. Update* (periodic electronic newsletter to the Cornell Applied Research and Extension Program Councils), 2004-2006.

Coordinator, writer and editor, *CUAES Annual Report*, 2003-04.
Chair, CCE Task Group on Venture Funding, Spring 2004.

Technical advisor and member, CALS Strategic Communications Task Force, 2003-04.
Co-chair, Association of Cornell Cooperative Extension Employees (ACCEE), 2004.

Member, NYS Water Resources Institute Faculty Advisory Committee, 2003-2006.

Co-chair, ACCEE Conference Planning Committee, 2002-2003.

Member, CALS Stakeholder Response Team, 2001-2002.

Member and coordinator, NERA-NEED North East Research-Extension Collaborative (NEREC-1001), *Piloting a Regional Research and Extension Approach to Integrated Deer Damage Management*, 2002-2005.

Leader, Enhanced Program Development Structure and Process Implementation, Cornell Cooperative Extension and Cornell University Agricultural Experiment Station, January 2001-2006.

Member, Cornell Cooperative Extension News Service Editorial Board, 2000.

Member, New Staff Introductions/Orientation Committee, Cornell Cooperative Extension, 2000-2006.

Member, National Oceanic and Atmospheric Administration (NOAA) Blue Ribbon Panel to Review the National Sea Grant Extension Program, 2000.

Cornell contact and coordinator, Cornell University-Syracuse University, NASA-NYS Space Engineering/Science Initiative, 1999-2000. See ultimate outcome of this effort at: <http://www.news.cornell.edu/releases/March01/Award.NASA.deb.html>

Coordinator, Cornell University's Response to U.S. Rep. Amory Houghton on the Dairy Crisis in the Southern Tier, 1998-2000.

Delegate for Cornell, Council of Government Affairs, National Association of State Universities and Land Grant Colleges, 1995-2000.

Delegate for Cornell and Member, External Relations Committee. The Sea Grant Association, 1987-2000.

Member, Editorial Board, *Focus*, quarterly magazine of the NYS College of Agriculture and Life Sciences at Cornell University, 1997-2000.

Member, Executive Committee, Cornell University Program on Breast Cancer and Environmental Risk Factors in New York State, 1995-2000.

Member, Ex-Officio, Cornell University Research Council, Office of the Vice President for Research and Advanced Studies, 1997-1998.

Member, Ex-Officio, Cornell University Research Directors Council, Office of the Vice President for Research and Advanced Studies, 1997-1998.

Coordinator, Annual surveys of federal research grant support to major research universities in New York State, 1995-2000.

Organizer, Congressional staff briefing on the New York City Watershed Issue, The Capitol Building, Washington, D.C. Co-sponsored by Cornell and the Offices of U.S. Reps. Maurice Hinchey and Sherwood Boehlert, June 10, 1994.

Member, Advisory Board, Great Lakes Program, SUNY at Buffalo, 1991-1994.

Member, Board of Governors, New York Great Lakes Research Consortium, 1992-1994.

Research and Educational Grants:

Principal Investigator for 2006-2012 biennial North Carolina Sea Grant Omnibus Programs (NOAA), \$3.4M per biennium.

Principal Investigator, N.C. Fishery Resource Grant Program, \$100K - \$1M annually (from N.C. General Assembly). 2006-2012.

Principal Investigator, N.C. Blue Crab & Shellfish Research Program, \$169K - 500K annually (from N.C. General Assembly via UNC-GA). 2006-2012.

Principal Investigator for (with signature authority over) more than \$1 million annually in federal, state, local, and private grants to Cornell and the State University of New York (SUNY), relating to coastal/aquatic resource topics and issues, 1988-1994.

Selected Honors, Recognition, and Awards:

Awardee, William Wick Award for Excellence in Administration, National Sea Grant Assembly of Extension Program Leaders. November 2013.

Recipient, *2012 University Award for Excellence*, N.C. State University's Office for Research, Innovation and Economic Development. Fall 2012.

"Bidding Adieu: A Collective Tip of the Hat." Article written by Katie Mosher and recognizing Michael Voiland's accomplishments and contributions as director of the North Carolina Sea Grant Program. *Coastwatch*, Holiday issue, 2012.

Commendation received in 2009 from U.S. Geological Survey upon completion of a federal review of N.C. Water Resources Research Institute programs. The USGS associate director for water noted that "We commend the current Director, Dr. Michael Voiland, for continuing an outstanding program."

Recipient, *President's Award*, Sea Grant Association, for efforts advancing SGA's external relations goals. October 2010.

Receiver (on behalf of the N. C. Sea Grant Program), *N.C. Governor's Conservation Achievement Award, 2007 Natural Resources Agency of the Year*, February 2008.

Co-recipient, *2006 Partnership Award* (as a member of the Aquatic Invasive Species Toolkit Team), Coastal America Partnership for Action, Washington, D.C.

Co-author (with Michael Duttweiler) of the 2005 Annual Report to USDA/CSREES on Cornell research and extension programs. The report was officially recognized as “an outstanding accomplishments report,” and representing “the ‘Gold Standard’ for both organization and usefulness.” The recognition commended the Cornell authors “for presenting a balanced portfolio that includes youth, family, and nutrition programs in addition to agriculture and natural resources.”

Recipient, *2005 State Distinguished Service Award*, Epsilon Sigma Phi National Honorary Extension Fraternity, Lambda Chapter-New York. Awarded at the ACCEE (Association of Cornell Cooperative Extension Employees) Annual Conference, May 11, 2006, Syracuse, NY.

Recognized in *The Public Affairs Report of the Association of American Universities*, December 1, 1998. Credited *The Cornell Chronicle* article of 11/12/98 (see below under “Government Affairs Publications”) as an accurate and detailed overview of the effects of appropriations on the university.

Recipient, *Outstanding Service Award*, New York Sea Grant Institute, 1998.

Recipient, *Appreciation Award for Outstanding Contributions to the Association*, New York State Outdoor Writers Association. 1992.

State of New York Legislative Resolution - *Senate No. 489, “Honoring Dr. Michael P. Voiland, Jr.”* March 10, 1987.

Recipient, *First Annual Award of Merit and Lifetime Honorary Membership Award*, Lake Ontario Charter Boat Association. 1986.

Recipient, *Outstanding Marine Advisory Service Program*, Great Lakes Sea Grant Network (comprised of the Sea Grant College programs of the universities of Minnesota, Wisconsin, Michigan, Ohio State, Indiana, Illinois, SUNY, and Cornell). 1985.

Publications:

North Carolina Sea Grant:

Voiland, Michael. “Winds of Change,” *Coastwatch*, Autumn issue, 2012 (inside front cover).

Voiland, Michael. “Doing the Needful and Doing It Well,” *Coastwatch*, Winter issue, 2011 (inside front cover).

Voiland, Michael. “Nurturing Future Leaders,” *Coastwatch*, Spring issue, 2011 (inside front cover).

Voiland, Michael. "The Oil Spill: Regional Ties that Bind," *Coastwatch*, Autumn issue, 2010 (inside front cover).

Voiland, Michael. "Testing Better Ideas: FRG at 15," *Coastwatch*, Summer issue, 2010 (inside front cover).

C. Laporte, M. Alber, D. Bryant, M. R. DeVoe, K. Havens, C. Hopkinson, S. Rebach, D. Sanger, M. Spranger, and M. Voiland. 2010. South Atlantic Regional Research Plan. Georgia Coastal Research Council. University of Georgia, Athens, GA. 29 pp. (<https://repository.gatech.edu/entities/publication/2ee372cb-795d-4cfd-a8cf-1b48eca501e7>)

Voiland, Michael and Kathleen Angione. "North Carolina's Initial Approach to Retaining and Enhancing Working Waterfronts and Public Access," *Proceedings, 21st International Conference of The Coastal Society: Coastal Footprints: Minimizing Human Impacts , Maximizing Stewardship*, July 1, 2008, Redondo Beach, CA, pp. 363-367.

Voiland, Michael. "On Recognition and New Research," *Coastwatch*, Early Summer issue, 2008 (inside front cover).

Voiland, Michael. "Research Funding Mysteries Solved," *Coastwatch*, Autumn issue, 2007 (inside front cover).

Voiland, Michael. "Waterfront Reflections," *Coastwatch*, Early Summer issue, 2007 (inside front cover).

North Carolina Waterfront Access Study Committee. Final Report to the N.C. Joint Legislative Commission on Seafood and Aquaculture, the N.C. Marine Fisheries Commission and the N.C. Coastal Resources Commission. Michael Voiland, principal author. April 13, 2007. North Carolina Sea Grant, UNC-SG-07-03. https://www.ncseagrant.org/files/WASC_FINAL_web.pdf

Cornell University Agricultural Experiment Station and Cornell Cooperative Extension Media:

Voiland, Michael. "Preproposal Submissions Up for Federal Formula Funding," *e-CALScconnect*, v. 12-3, March 2006.

Voiland, Michael. "Cornell's 'Other' Ag Experiment Station Works to Improve the State's and Region's Forestry Resources," *The New York Forest Owner*, v. 43, n. 5, September/October 2005.

Voiland, Michael. "Books by Development Sociology Faculty Address Rural Issues, Trends," CUAES news release, November 11, 2004. Printed in the *Ithaca Journal*, November 13, 2004.

Voiland, Michael. "2004-2005 Federal Formula Funding Awards," *CALS Connect*, v. 11, n. 1, November 2004.

Voiland, Michael (ed.). *Cornell University Agricultural Experiment Station 2003-04 Annual Report*. September 2004. CUAES, Ithaca, NY. (See at <http://cuaes.cornell.edu/CUAESWeb/CUAESAnnRpt0304.pdf>).

Voiland, Michael (ed.). *P.C. Update*. A periodic electronic newsletter to members of the Applied Research and Extension Program Councils. May 2004 to June 2006.

Voiland, Michael. "Federal Formula Funding Priorities," *CALS Connect*, v. 10, n. 2, April 2004.

Voiland, Michael. "CALS Researchers Collaborate with SUNY Ag & Tech Faculty," *Focus* (CALS magazine), v. 12, n. 1, Fall 2003.

Voiland, Michael (editor). *A Regional Research and Educational Approach to Managing Deer Damage in the Northeast*. Proposal for special federal grant funding to U.S. Reps. James Walsh and Maurice Hinchey. March 2003.

Voiland, Michael. Co-author and co-editor. *The Cornell University Agricultural Experiment Station: Promoting, Supporting and Applying Research in and for New York since 1979*. Informational brochure and displays. July 2002.

Voiland, Michael. "CALS and SUNY Ag and Tech Collaborate on Research," *CALS Connect*, v. 9, n. 2, October 2002.

Voiland, Michael. "What is the Cornell University Agricultural Experiment Station?" *ALS News*, September 2002.

Voiland, Michael. "CCE/CUAES Program Councils Hold Inaugural Conferences," *CALS Connect*, v. 8, n. 5, March 2002.

Voiland, Michael. "CCE, CUAES Join Forces in Program Development," *CALS Connect*, v.8, n. 3, December 2001.

Voiland, Michael. "CUAES in the 21st Century." CUAES. Spring 2001. 1 p.

Voiland, Michael. "Five Examples of How Public Investments in Research and Extension Can Benefit New York Agriculture and the State of New York." Developed for public dissemination as background to the Agricultural Systems Initiative (ASI). Fall 2000. 2 p.

Cornell Government Affairs Publications:

Voiland, Michael and Taiya Luce (Eds.), Charles Kruzansky, Elizabeth LaPolt and Stephen Philip Johnson. *Annual Reports of the Cornell Office of Government Affairs*, 1998, 1999, and 2000.

Voiland, Michael. "President's Budget Again a Mixed Bag for University-Based Ag programs," *CALS News*, a monthly newsletter for the College of Agriculture and Life Sciences, April 2000.

Voiland, Michael. "Proposed Federal Budget Is Encouraging On Student Aid, Science Programs," *The Cornell Chronicle*, v. 31, n. 24, March 2, 2000, pp. 1, 4.

Voiland, Michael. Cornell University: A Leading Research University in New York State and the Nation. Cornell University Office of Government Affairs, January 2000 and May 2003, 2 p.

Voiland, Michael. "FY2000 Federal Budget Has Some Positive News for Students, Universities," *The Cornell Chronicle*, v.31, n. 16, December 9, 1999, pp. 1, 10.

Voiland, Michael. *Upland Dairy Transitioning: The START (Southern Tier Agricultural Revitalization and Transitioning) Program*. Submitted to (at the request of) U.S. Rep. Amory Houghton, New York's 31st Congressional District. Cornell University Office of Government Affairs, April 15, 1999. 2 pp.

Voiland, Michael. "CALs Exhibits in Washington Well Received," *CALS News*, a monthly newsletter for the College of Agriculture and Life Sciences, v. 5-7, April 1999, pp. 1, 4.

Voiland, Michael. "Clinton's Budget Proposal Is Mixed for Students, Researchers, Programs," *The Cornell Chronicle*, v. 30, n. 22, February 18, 1999, pp. 1, 4.

Voiland, Michael, and Linda McCandless. *Development of the "Gene Gun" at Cornell*. New York State Agricultural Experiment Station, Geneva, NY. February 1999.

Voiland, Michael. *A Dozen Tips on Meeting with Congressional Representatives*. Cornell University Office of Government Affairs. 1997. Revised February 1999. 1 p.

Voiland, Michael. *Development of the "Gene Gun" at Cornell: The Key Role of an NSF Research Center*. Briefing piece submitted to U.S. Rep. James Walsh. Cornell University Office Of Government Affairs, February 1999.

Voiland, Michael. "Ag Appropriations Up But Still Lag Behind," *CALS News*, a monthly newsletter for the College of Agriculture and Life Sciences, v. 5-4, December 1998, p. 12.

Voiland, Michael. "Federal Budget Has Good News for Universities," *The Cornell Chronicle*, v. 30, n. 13, November 12, 1998, pp. 1,4.

Voiland, Michael. *The States' Role in and Approaches to Science and Technology Development*. Briefing document used by the Coalition of New York College Presidents and Chancellors before the *New York Times* Editorial Board. October 7, 1998. 4 pp.

Voiland, Michael (Ed.), Stephen Philip Johnson, and Charles Kruzansky. *Annual Report of the Cornell Office of Government Affairs, 1997 and 1998*.

Voiland, Michael. *Federal Research Grant Support to Major Research Universities in New York State*. Cornell University Office of Government Affairs. Table based on annual survey. 1995 through 2000. 1 p.

Voiland, Michael. *Cornell Addressing the Needs of the Dairy Industry in the Southern Tier*. Cornell University Office of Government Affairs, March 1998. 1 p.

Voiland, Michael. "Congress to Reauthorize Ag Research, Education, and Extension Programs," *CALS News*, a monthly newsletter for the College of Agriculture and Life Science, v. 4-2, October 1997, p. 5.

Voiland, Michael. *New York State's Coastal Fisheries: Resources at Risk*. Proposal to the New York State Legislature for FY1997 funding. Cornell University Office of Government Affairs, March 1997, 2 pp.

Voiland, Michael. *Federal Relations Plan for the College of Agriculture and Life Sciences*. Cornell University Office of Government Affairs, January 1996 and January 1997.

Voiland, Michael. "Ag Appropriations for FY97 Enacted: University Research, Extension, and Teaching Do Relatively Well," *CALS News*, a monthly newsletter for the College of Agriculture and Life Sciences, v. 3-3, November 1996, p. 2

Voiland, Michael. "Fiscal Year 1997 Agricultural Appropriations," *CALS News*, a monthly newsletter of the College of Agriculture and Life Sciences, v. 2-8, June 1996, p. 3.

Bonn, Ellen, David Watkins, and Michael Voiland. *Cornell Impact: Cornell Makes a Difference for Families, Communities, and Businesses*. The Colleges of Human Ecology and Agriculture and Life Sciences, and Cornell Cooperative Extension, June 1996. 2 pp.

Voiland, Michael. "1996 Farm Bill Now Law," *CALS News*, a monthly newsletter for the College of Agriculture and Life Sciences, v. 2-7, May 1996, p. 6.

Voiland, Michael. "Federal Budget Update: Turmoil and Mixed Reviews." *The Cornell Chronicle*, January 18, 1996.

Peer-Reviewed Publications:

Voiland, M., K. Gall, D. Lisk, and D. MacNeill. 1991. "Effectiveness of Recommended Fat-Trimming Procedures on the Reduction of PCB and Mirex Levels in the Brown Trout (*Salmo Trutta*) from Lake Ontario," *Journal of Great Lakes Research*, 17(4):454-460.

Voiland, M., K. Gall, D. Lisk and D. MacNeill. 1991. "The Effectiveness of Recommended Fat-Trimming Procedures on the Reduction of PCB and Mirex Levels in Lake Ontario Brown Trout (*Salmo Trutta*)."
Proceedings of the 1990 Tropical and Subtropical Fisheries/Atlantic Fisheries Technology Conference, pp. 340-352.
Gainesville FL: Florida Sea Grant Program.

Dawson, C. and M. Voiland. 1990. "The Great Lakes Charter Fishery in the 1990's." In J. O'Leary, D. Fesenmaier, T. Brown, D. Stynes and B. Driver (eds.), *Proceedings of the 1990 Outdoor Recreation Trends Symposium III*, Vol. II, pp. 694-706. Indiana University, Indianapolis, IN.

Voiland, M. 1989. "Bringing Science to the Lakeshore," *New York Food and Life Sciences Quarterly*, 19(4):28-31, NYS College of Agriculture and Life Sciences, Cornell University, Ithaca, NY.

Dawson, C. and M. Voiland. 1988. "The Development of the Lake Ontario Sportfishery: Socioeconomic Impacts in the New York State." In D. Hickox (ed.), *The Great Lakes: Living with North America's Inland Waters*. American Water Resources Assn., Bethesda, MD, pp. 259-268.

Haynes, J., D. Nettles, K. Parnell and M. Voiland. 1986. "Post-Spawning Movements of Rainbow/Steelhead Trout in Lake Ontario and a Hypothesis for the Influence of Spring Thermal Structure," *Journal of Great Lakes Research*, 12(4):304-313.

Voiland, M. 1984. "Coastal Fishing Access: Needs and New Initiatives." In R. Stroud (ed.), *Marine Recreational Fisheries*, 9:97-104. National Coalition for Marine Conservation. Savannah, GA.

Duttweiler, M. and M. Voiland. 1984. "Programming Tomorrow's Tourists," *Extension Review*, 55(1):17-19.

Voiland, M. and M. Duttweiler. 1984. "Where's the Humanity? A Challenge and Opportunity for the Fisheries Community," *Fisheries*, 9(4):10-12.

Voiland, M. 1979. "Economic and Social Impact of a Developing Salmonid Sportfishery: The Case of the 1978 Lake Ontario-Rochester Trout and Salmon Derby". In E.G. Carls (ed.), *Recreation Impacts: The Great Lakes Ecosystem*. Monograph No. 1, Ontario Research Council on Leisure, University of Waterloo, Ontario, Canada, pp. 28-30.

Brown, T., E. Finegan, and M. Voiland. 1979. "Current Use of Water Surface Zoning for Recreation," *Water Resources Bulletin*, 15(2):337-344.

Rowntree, R., D. Heath, and M. Voiland. 1978. "The United States National Park System." In J. Nelson et al. (eds.), *International Experience with National Parks and Reserves*. International Geographic Union, University of Waterloo, Dept. of Geography, Waterloo, Canada, pp. 91-142.

Henderson, F. and M. Voiland. 1975. "Some Possible Effects of Energy Shortages on Residential Preferences," *The Professional Geographer*, 27(2):323-326.

Henderson, F. and M. Voiland. 1975. "Information Sources, Attitudes, and Vacation Area Preferences: A Comment." In J. Jakle (ed.), *Proceedings of the Association of American Geographers*, 7:88-91.

Extension and Other Publications:

Byrne, J., R. Baird, R. Corell, B. J. Copeland, G. R. Heath, F. Hutchinson, F. Kudrna, and M. Voiland. 2000. *A Mandate to Engage Coastal Users: A Review of the National Sea Grant College Extension Program and A Call for Greater National Commitment to Engagement*. National Oceanic and Atmospheric Administration, Silver Spring, MD. 46 pp.

Voiland, M. 2000. *Five Examples of How Public Investments in Research and Extension Can Benefit New York Agriculture and the State of New York*. Cornell University Agricultural Experiment Station, Ithaca, NY. 2 pp.

Voiland, M. and D. MacNeill (eds.) 1985 to 1994. *Charterlines: Quarterly Newsletter for the New York Great Lakes Charter Boat Industry*. New York Sea Grant Extension, Brockport, NY. Circulation: 750.

Malchoff, M., M. Voiland, and D. MacNeill. 1992. *Guidelines to Increase Survival of Released Sport Fish*. Cornell Cooperative Extension Fact Sheet 104SGFS-14.00. Cornell University, Ithaca, NY. 6 pp.

Lucy, J., J. Tiedmann, M. Donnelly, M. Voiland, M. Malchoff, B. Doyle, and J. Vaske. 1991. *Increasing Angler Participation in Marine Catch/Tag-and-Release Fishing Programs*. NMFS Final Report. S-K Grant No. NA89EA-H-V00013. Gloucester, MA. 82 pp.

Voiland, M. and D. Kuehn, 1990. *Thermal Fronts: Magnets for Great Lakes Salmon and Trout*. New York Sea Grant Extension Fact Sheet, Oswego, NY. 8 pp.

Gall, K. and M. Voiland. 1990. *Contaminants in Sportfish: Managing Risks*. Cornell Cooperative Extension Factsheet 104GFS-13.00. Cornell University, Ithaca, NY. 6 pp.

Griffith, D., J. Johnson, J. Boster, M. Voiland and J. Murray. 1989. *Increasing the Use of Underutilized Species among Marine Recreational Fishermen in the Northeast and Mid-Atlantic Regions*. A report to the Marine Advisory Service of the Northeast and Mid-Atlantic Regions. New York Sea Grant Extension, Ithaca, NY. 18 pp.

Voiland, M. and C. Dawson. 1989. "Lake Ontario Salmonid Fishery Development: How Successful Is It?" Invited paper presented at the annual meeting of the New York Chapter of the American Fisheries Society, January 1989, Binghamton, NY. New York Sea Grant Extension, 7 pp.

NYS College of Agriculture and Life Sciences, 1988. *Facts About New York's Coastal Resources*. New York Sea Grant Extension and Media Services, Cornell University, Ithaca, NY. 4 pp.

White, D. and M. Voiland. 1988. *Recreational Development of Your Community Waterfront*. New York Sea Grant Extension, Oswego, NY. 4 pp.

Voiland, M. 1988. "Lake Trout: Leave and Let Live," *Great Lakes Fisherman*. 19(4):70, 86.

Voiland, M. and R.T. Oglesby. 1987. *Freshwater Aquaculture in New York State: Research and Development Needs*. Executive Summary of a Statewide Freshwater Aquaculture Workshop. Department of Natural Resources, Cornell University. Ithaca, NY. 5 pp.

New York Sea Grant Extension and U.S. Fish and Wildlife Service. 1987. *Lake Trout: Leave and Let Live*. 2 pp.

Voiland, M. 1986. "Lake Ontario's Charterboat Industry: A Profile of its Characteristics and Economics." In C. Dawson (ed.), *The Great Lakes Charterboat Fishing Industry*. Great Lakes Sea Grant Network, pp. 17-20.

Voiland, M. 1984. "Manufacturers, Educators, and the Public Cooperate in a Marine Education Program," *NMEA News* (Journal of the National Marine Electronics Association), 11(2):51-53.

Wayne County and New York Sea Grant Extension. 1984. *The 1984 ESLO Trout and Salmon Derby Angler Survey: A Report and Summary*. Wayne County Public Information Office, Lyons, NY. 8 pp.

Buerger, R. and M. Voiland. 1981. *Angling for Smallmouth Bass in Lake Ontario*. New York Sea Grant Extension. Brockport, NY. 16 pp.

Voiland, M. 1980-86. *Rochester (NY) Sunday Democrat and Chronicle* and the *Niagara Falls (NY) Gazette*. Over 120 bi-weekly newspaper columns on Great Lake sportfisheries, boating, water quality, and tourism.

Duttweiler, M. and M. Voiland. 1979, 1981 (revised). *Fish Contaminants: Minimizing Your Intake*. New York Sea Grant Extension, Brockport, NY. 2 pp.

Voiland, M. 1978. *Preparing Those Forgotten Fish for your Dinner Table*. Cornell Cooperative Extension Fact Sheet 400.00. Cornell University, Ithaca, NY. 4 pp.

Select Presentations:

Voiland, Michael. "North Carolina's Study Committee Approach to Retaining and Enhancing Working Waterfronts and Public Access." Presentation at 2010 Working Waterways and Waterfronts Symposium, Portland, ME, Sept. 28, 2010.

Voiland, Michael. "Factors Potentially Bringing Spilled Gulf of Mexico Oil Residues to the South Atlantic Coast of the U.S." Invited presentation made at public meeting convened by U.S. Congressman Mike McIntyre, Wilmington, NC, July 12, 2010.

Voiland, Michael. "North Carolina's Initial Approach to Retaining and Enhancing Working Waterfronts and Public Access." Requested presentation to the State of Alabama Waterfront Access Study Committee, Mobile, AL, June 2, 2009.

Voiland, Michael. "Guiding State Waterfront Access Policy and Programs in North Carolina." Invited presentation at *Water Access 2007: A National Symposium on Working Waterways and Waterfronts*, Norfolk, VA, May 9-11, 2007. Revised version also delivered as an invited presentation at *2007 Commonwealth of Virginia Coastal Zone Partners Workshop*, Portsmouth, VA, Dec. 7, 2007.

Voiland, Michael. "Future Role of Sea Grant in Aquaculture." Invited presentation/powerpoint at *2007 NC Aquaculture Development Conference*, Atlantic Beach, NC, February 9, 2007.

Voiland, M., et al. "Cornell University Applied Research and Extension Integration." Presentation to USDA Under Secretary Rodney Brown, Cornell campus, November 2004.

Voiland, M. and J. D. Murray. "Toward Public Engagement as Federal Agency Policy: The Case and Cause of the National Sea Grant Extension Review." Presented at *Outreach Scholarship 2001*. Pennsylvania State University, University Park, PA. October 15, 2001.

Duttweiler, M. and M. Voiland. "Documenting and Communicating Impact: Unnatural Acts for Faculty?" Presented at *Outreach Scholarship 2001*. Pennsylvania State University, University Park, PA. October 15, 2001.

Privacy Notice

I hereby acknowledge that the information I provide in this application is subject to disclosure pursuant to the North Carolina Public Records Laws, and that I provide the information contained in this application freely and voluntarily, and that by submitting my application to Wake County I consent to such disclosure pursuant to the North Carolina Public Records Laws, and that I waive and release Wake County, its agents, employees and elected and appointed officials, from any liability related to disclosure of any information provided herein.

Profile

Which Boards would you like to apply for?

Wake County Water Partnership: Submitted

Please select your first Board preference: *

City of Raleigh Planning Commission

Please select your second Board preference: *

Library Commission

Please select your third Board preference: *

Wake County Water Partnership

Please select your fourth Board preference: *

Water Partnership

Please select your fifth Board preference: *

City of Raleigh Board of Adjustment

Please select your sixth Board preference: *

Historic Preservation Commission

Ryan
First Name

Middle
Initial

McCune
Last Name

2704 Verde Dr
Street Address

Apt D
Suite or Apt

Raleigh
City

NC
State

27603
Postal Code

What district do you live in?

None Selected

Mobile: (717) 676-7023

Primary Phone

Home: (717) 676-7023

Alternate Phone

mccune.rt@gmail.com

Email Address

NC State University

Employer

Graduate Research Assistant

Job Title

If you live in an Extraterritorial Jurisdiction Area, select Yes:

Yes No

In order to assure countywide representation, please indicate your place of residence:

Raleigh

Interests & Experiences

Why are you interested in serving on a Board or Commission?

I am a young professional attending graduate school at NC State University and have enjoyed living in Wake County for the last four years. I took active roles volunteering in my prior residential area and would love to get more involved in volunteering in Wake County as I intend to make this my permanent home. I have an extensive background in civil and environmental engineering which I believe sets a strong foundation for understanding the role of and serving on many of the citizen advisory boards.

Work Experience

I have had several experiences in private engineering consulting and design with private civil engineering and landscape architecture firms. I am currently a full-time engineering researcher at NC State University pursuing a PhD in civil engineering.

Volunteer Experience

Recently in the area I have volunteered with AventWest Children's Mentorship Program and Wake County Big Sweeps.

Education

BS Civil Engineering - University of Delaware
BS Environmental Engineering - University of Delaware
Masters of Civil Engineering - NC State University
Currently enrolled PhD Civil Engineering - NC State University

Comments

I know that I am a young volunteer for several of these boards, but I have a genuine interest and passion in local government involvement. I am originally from Pennsylvania and my mother worked for our local government for 40 years, so attending meetings and taking active interest and roles in our local area was ever present. I would love the opportunity to be more active in Wake County and provide my time in service to the community.

[RyanMcCune.pdf](#)

Upload a Resume

If you have another document you would like to attach to your application, you may upload it below:

Please upload a file

Demographics

Date of Birth

Gender *

Male

Ethnicity *

Caucasian

Other

How did you become aware of Wake County volunteer opportunities?

County Website

If you selected "Other" above, how?

Please upload a file

ETHICS GUIDELINES FOR COUNTY ADVISORY BOARDS AND COMMISSIONS

By submitting this electronic application, if appointed, I pledge by my signature below that I have read and will comply with the ethics guidelines for advisory boards and commissions as adopted by the Wake County Board of Commissioners, found [here](#).

RYAN THOMAS McCUNE, E.I.T.

+1 (717) 676-7023 · ryan@rmccune.io

rmccune.io

Department of Civil, Construction, and Environmental Engineering
North Carolina State University · 915 Partners Way, Raleigh, NC, 27695-7908

EDUCATION

Ph.D. Civil Engineering	Expected 2027
North Carolina State University	Raleigh, NC
<i>Concentration in Coastal Engineering</i>	
Master of Civil Engineering	2025
North Carolina State University	Raleigh, NC
<i>Concentration in Coastal Engineering</i>	
Honors Bachelor of Environmental Engineering with Distinction	2022
University of Delaware	Newark, DE
<i>Thesis: Potential Impacts of Soil Aging on TDR Calibrations of Biochar Amended Urban and Coastal Soils</i>	
Honors Bachelor of Civil Engineering	2022
University of Delaware	Newark, DE
<i>Concentration in Facilities Design and Construction</i>	

PROFESSIONAL EXPERIENCE

Graduate Research & Teaching Assistant 2022-present
Dept. of Civil, Construction, and Environmental Engineering, NC State University Raleigh, NC

- Investigate chronic "sunny day" flood hazards by developing high-resolution coupled simulations using SFINCS and ADCIRC numerical models.
- Architect custom Python workflows on High-Performance Computing (HPC) systems to process geospatial data and automate model forcing.
- Collaborate within the interdisciplinary "Sunny Day Flooding Project," integrating physical hydrodynamic modeling with social impact data to characterize regional flood risk.
- Mentor undergraduate researchers, providing technical training in Python programming and semantic image segmentation to support independent inquiry.
- Delivered annual guest lectures for the Introduction to Coastal Engineering course and facilitated semester-long student success through technical office hours and assessment.

Research Intern 2022
United States Geological Survey St. Petersburg, FL

- Leveraged MATLAB to analyze high-frequency imagery from the USGS coastal camera network, utilizing statistical techniques to extract and quantify wave runup parameters.
- Transformed raw optical data into actionable hydrodynamic metrics to support coastal change research.

Engineering Intern 2020-2022
Coastal Resilience Design Studio, University of Delaware Newark, DE

- Achieved First Place in the Coastal & Estuarine Research Federation (CERF) national design competition for an innovative, resilience-focused coastal infrastructure proposal.
- Developed community-informed conceptual designs for public infrastructure within a multi-disciplinary team of landscape architects, policy analysts, and engineers to integrate technical constraints with aesthetic and regulatory requirements.

Undergraduate Research Assistant 2018-2022
Dept. of Civil & Environmental Engineering, University of Delaware Newark, DE

- Investigated the hydraulic performance of biochar-amended soils for stormwater filtration, performing sensor calibrations using Time Domain Reflectometry (TDR) probes.
- Conducted independent laboratory analysis to quantify the Electron Reduction Capacity (ERC) of biochar substrates for environmental remediation applications.
- Supported transportation planning studies by deploying JAMAR counters to capture and analyze field traffic volume data.

Engineering Intern 2020-2021
C.S. Davidson, Inc. York, PA

- Analyzed historical state contract datasets to develop updated unit price schedules, directly improving the accuracy of cost estimation and bidding for future municipal projects.
- Conducted technical reviews of land development plans to ensure compliance with municipal ordinances, zoning codes, and stormwater regulations.
- Performed field operations including precision field surveys and stormwater BMP inspections to verify construction quality and document existing infrastructure conditions.

Engineering Intern 2019
Manchester Township York, PA

- Established a digital inventory of over 300 stormwater Best Management Practices (BMPs) by migrating legacy engineering archives into the CSDatum platform.
- Optimized future maintenance operations by centralizing infrastructure data, enabling efficient tracking of BMP performance and necessary repairs.

Keller Family Senior Writing Fellow 2021-2022
Honors College, University of Delaware Newark, DE

- Selected as the inaugural Keller Family Senior Fellow, responsible for leading the fellowship team and managing operational logistics including scheduling and performance reviews.
- Oversaw the professional development of the fellowship team, providing mentorship and actionable reviews to improve coaching strategies.

Writing Fellow 2020-2021
Honors College, University of Delaware Newark, DE

- Selected for a competitive fellowship requiring a semester-long training course in writing pedagogy and communication strategy.
- Partnered with faculty to provide editorial guidance on dozens of essays per semester, mentoring a cohort of 20 students to improve their argumentation and clarity.

Undergraduate Teaching Assistant 2020-2022
Dept. of Civil & Environmental Engineering, University of Delaware Newark, DE

- Provided supplementary instruction during office hours, translating theoretical engineering concepts into practical problem-solving strategies for students.
- Evaluated technical assignments and exams against established rubrics, providing detailed feedback to identify gaps in understanding.

Munson Fellow 2019-2020
Honors College, University of Delaware Newark, DE

- Selected as a residential peer mentor to facilitate the academic and social transition of incoming Honors students, directly supporting university retention goals.
- Advised a cohort of first-year students on course selection and degree planning, serving as a critical resource for navigating university administration and academic requirements.
- Designed and executed social programming and community-building events, effectively managing logistics to enhance the student living-learning environment, foster a cohesive residential community and promote student engagement.

HONORS & AWARDS

National Defense Science & Engineering Graduate Fellowship	2024-2027
ICCE Student Travel Scholarship	2026
KIETS Climate Leaders Program Scholar	2024
AGU Outstanding Student Presenter Award	2023
NSF Graduate Research Fellowship Program, Honorable Mention	2023
EWC Student Poster Competition, 2nd Place	2023
Provost Doctoral Fellowship, North Carolina State University	2022
American Society of Landscape Architects Award of Excellence in Student Collaboration	2022
PA-DE Chapter of the American Society of Landscape Architects Student Honor Award	2022
RJN Foundation Department of Civil & Environmental Engineering Award	2022
1st Place 2021 Coastal & Estuarine Research Federation Design Competition	2021
Delaware Section of the American Society of Civil Engineers Junior Award	2021
Honors Enrichment Award, University of Delaware Honors College	2021
Chair's Fellowship, University of Delaware Dept. of Civil & Environmental Engineering	2021

CONFERENCE PRESENTATIONS

Oral Presentations

- Collins, J., Hino, M., **McCune, R.**, Anarde, K., Frankenberg, E., (2025). *Tolerating the tide: accommodation and tolerance of chronic coastal flooding in rural North Carolina*. Population Association of America Annual Conference. Washington, D.C., 2025.
- McCune, R.**, Anarde, K., (2025). *Evaluation of Chronic Coastal Flooding Inundation of Low-Lying Roadways and Impacts to Community Livability*. Presented at the 3rd Regional (East Coast) Peer Exchange for Sustainable Eco-Resilient Bridges and Structures. Raleigh, August 2025.
- McCune, R.**, Anarde, K., Sebastian, A., Collins, J. P., Grimley, L., Hamidi, E., Hino, M., Dietrich, J. C., (2025). *The End of the Road: Present and Future Chronic Flood Risk Along Coastal Roadways and Impacts to Community Livability*. Presented at the AGU Fall Meeting. New Orleans, December 2025.
- Hino, M., Anarde, K., **McCune, R.**, Thelen, T., Farquhar, E., Fridell, T., Whipple, T., Woodard, P., (2024). *Incidence and Impacts of Chronic Coastal Flooding in North Carolina*. Invited presentation at the AGU Fall Meeting. Washington, D.C., 2024.
- McCune, R.**, Anarde, K., Goldstein, E. B., Srebnik, E. R., Thelen, T., Hino, M., (2024). *Quantification of chronic coastal flooding using machine learning*. Presented at the International Conference of Coastal Engineering. Rome, September 2024.
- McCune, R.**, Anarde, K., Goldstein, E. B., (2023). *Semantic Image Segmentation of Coastal Roadway Inundation*. Presented at the AGU Fall Meeting. San Francisco, December 2023.
- Muldrow, L., **McCune, R.**, Bruck, J., (2022). *Resilient Self-Generative Infrastructure: A Blue Carbon Solution for Coastal Protection in Hampton, VA*. PA-DE ASLA Conference on Landscape Architecture. Wilmington, April 9, 2022.

Poster Presentations

- McCune, R.**, Anarde, K., Goldstein, E., Baker, C., (2025). *Quantification of Chronic Coastal Flooding: A machine learning-driven approach to water level extraction*. Presented at the NC State Environmental, Water, and Coastal Engineering Symposium. March 21, 2025.
- McCune, R.**, Anarde, K., Goldstein, E., (2024). *Witness to the Rising Tide: Semantic Image Segmentation of Chronic Coastal Flooding*. Presented at the NC State Environmental, Water, and Coastal Engineering Symposium. March 8, 2024.
- McCune, R.**, Anarde, K., Hino, M., Frankenburg, E., Amspacher, K., (2024). *Rising tides, drowning ditches: Analysis and communication of chronic coastal flooding in rural communities*. Presented at the National Adaptation Forum. Baltimore, May 2024.
- McCune, R.**, Collins, J., Anarde, K., Hino, M., (2024). *A Summer Down East: Internship and Research Experiences in Carteret County*. Presented at the KIETS Climate Leaders Symposium 2024. September, 2024.
- McCune, R.**, Anarde, K., Goldstein, E., (2023). *On-device Machine Learning for Identifying the Spatial Extent of Chronic Coastal Flooding*. Presented at the NC State Environmental, Water, and Coastal Engineering Symposium. March 10, 2023.
- Anarde, K., Goldstein, E., Bolewitz, J., **McCune, R.**, Gold, A., Hino, M., (2022). *On-device machine learning for identifying the spatial extent of chronic coastal floods*. Presented at the International Conference of Coastal Engineering. Sydney, December 5, 2022.

McCune, R., Fettke Von Koeckritz, H., Bruck, J., Puleo, J. A., (2021). *Fenwick Island Dune Encroachment Monitoring Project*. Presented at the Young Coastal Scientists and Engineers Conference – Americas. Myrtle Beach, October 30, 2021.

PUBLICATIONS

Peer-Reviewed Journal Articles (Published or Accepted)

Hino, M., Anarde, K., Fridell, T., **McCune, R.**, Thelen, T., Farquhar, E., Woodard, P., Whipple, A., (in press). “Land-based sensors reveal high frequency of coastal flooding”. In: *Nature Communications Earth and Environment*. In press.

Naquin, K., Adams, D. R., Bailey, M. M., Brown, L., Diez, M., Kanipe, J., **McCune, R.**, Thelen, T., Hunter, D. L., Cooper, C. B., (Apr. 2025). “Not Empty Rain Gauges: Experienced Hobbyists Fulfilled in a Contributory Project”. In: *Citizen Science: Theory and Practice*. DOI: 10.5334/cstp.774.

Peer-Reviewed Journal Articles (Under Review & In Preparation)

McCune, R., Anarde, K., Goldstein, E., Baker, C., (in preparation). “Quantification of chronic coastal flooding: a machine-learning driven approach to water level extraction”. In preparation for Water Resources Research.

Datasets

Ku, V., Gabbula, S. R. A. K., **McCune, R.**, Budavi, P., Sigdel, R., Buscombe, D., Favela, J., Shah, M., Goldstein, E. B., Fitzpatrick, S., (2022). “Segmentation Labels for Emergency Response Imagery from Hurricane Barry, Delta, Dorian, Florence, Isaias, Laura, Michael, Sally, Zeta, and Tropical Storm Gordon”. In.

PROFESSIONAL DEVELOPMENT

COPRI Leadership Summit, Reston, VA	2026
Community Surface Dynamics Modeling System Annual Meeting, Boulder, CO	2025
Earth Surface Processes Institute, Boulder, CO	2025
From Ice Sheets to the Coast: Sea-Level Rise Impacts Workshop, Houston, TX	2024
KIETS Climate Leaders Symposium, Raleigh, NC	2023
5th NOAA AI Workshop, virtual	2023
Coastal Imaging Research Network Workshop, Duck, NC	2023
Blue Economy Workshop, Morehead City, NC	2023

PROFESSIONAL SERVICE

Chair, EWC Seminar Visiting Student Logistics Committee	2026
Student Ambassador, NC State Climate and Sustainability Academy	2025

Session Chair and Organizer, AGU Annual Meeting "The MacGyver Session" Ocean Sciences Poster Session	2025
Member, EWC Seminar Visiting Student Logistics Committee	2025
Organizer and Moderator, Panel: Community Responses to Chronic Flooding and Sea-Level Rise Impacts, North Carolina Coastal Conference	2024
Chair, EWC Seminar Food Committee	2024
Member, EWC Seminar Food Committee	2023
Student Member, Provost Search Committee, University of Delaware	2022
Engineering Ambassador, College of Engineering, University of Delaware	2022
Engineering Ambassador, Dept. of Civil & Engineering, University of Delaware	2021-2022
Honors College Ambassador, University of Delaware	2019-2022

LEADERSHIP

President, Coasts, Oceans, Ports & Rivers Institute Student Chapter	2025-present
Vice President, Coasts, Oceans, Ports & Rivers Institute Student Chapter	2023-2024
Vice President, Environmental Engineering Student Association	2020-2022
Parliamentarian, Phi Sigma Pi National Honor Fraternity Alpha Eta Chapter	2021

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Profile

Which Boards would you like to apply for?

Wake County Water Partnership: Submitted

Please select your first Board preference: *

Agricultural Advisory Board

Please select your second Board preference: *

Planning Board

Please select your third Board preference: *

Board of Adjustment

Please select your fourth Board preference: *

Open Space and Parks Advisory Committee

Please select your fifth Board preference: *

Historic Preservation Commission

Please select your sixth Board preference: *

Water Partnership

Eric
First Name

C
Middle Initial

Regensburger
Last Name

2122 Timberlake Drive
Street Address

Suite or Apt

Raleigh
City

NC
State

27604
Postal Code

What district do you live in?

None Selected

Mobile: (919) 633-8431

Primary Phone

Business: (919) 996-3258

Alternate Phone

ericregensburger@gmail.com

Email Address

City of Raleigh

Employer

Senior Planner- PRCR- Dix
Park

Job Title

If you live in an Extraterritorial Jurisdiction Area, select Yes:

Yes No

In order to assure countywide representation, please indicate your place of residence:

Unincorporated Wake County

Interests & Experiences

Why are you interested in serving on a Board or Commission?

As a current member of the Agricultural Advisory Board and a Senior Planner for the City of Raleigh, I am deeply committed to managing our region's growth while preserving our rural character. My interest in the Planning Board and Board of Adjustment stems from a desire to apply my technical knowledge of land-use law and my perspective as a licensed general contractor to ensure development in unincorporated Wake County is sustainable and economically viable. Having helped vote nearly 1,000 acres of farmland into protected districts, I want to continue bridging the gap between regulatory planning and the practical needs of our community.

Work Experience

I have over a decade of experience in real estate, development, and municipal planning. Currently, I serve as a Senior Planner for Dix Park (City of Raleigh), overseeing long-range projects such as the Cultural Interpretive Plan. I also hold a leadership role on the Finance Committee for the North Carolina Recreation and Park Association (NCRPA), providing fiscal oversight for the state's professional parks body. I am a licensed North Carolina General Contractor and Realtor, with prior experience spearheading land acquisition and construction for regional commercial facilities.

Volunteer Experience

My service history combines professional leadership with hands-on environmental stewardship: Current Board Service: Member of the Wake County Agricultural Advisory Board and Founding Member of the VAD Council. Professional Leadership: Member of the NCRPA Finance Committee. Regional Planning: Served on the PLAN Wake Committee, contributing to the county's 20-year vision for housing and conservation. Conservation: Volunteer for controlled burns with the Triangle Land Conservancy to re-establish native prairies and a formerly part of the leadership for the Dix Park Community Committee.

Education

Attended Boston University: International Relations. Professional Licensure: North Carolina Licensed General Contractor (2017–Present); North Carolina Licensed Real Estate Agent (2014–Present). Professional Development: Regular participant at the Greater and Greener International Parks Conference Skills: Proficient in Mandarin.

Comments

In my role as a Senior Planner for Dix Park, I have successfully managed complex, large-scale projects that balance public use with environmental and cultural integrity, most notably the Cultural Interpretive Plan. My work at Dix Park has required navigating the interests of diverse stakeholders to protect the site's history while planning for its future as a premier public space—a skillset I bring directly to my service on county boards. As a resident of Unincorporated Wake County who pays county and fire district taxes exclusively, I am a direct stakeholder in our non-municipal lands. Between my planning successes, my technical background as a contractor, and my financial oversight experience with the NCRPA, I offer a well-rounded perspective that is uniquely suited to helping the Board of Commissioners make informed, balanced decisions for the future of our county

[Eric_Regensburger_OnePage_TwoColumn_Forest.docx](#)

Upload a Resume

[Exploring_Life_Business_with_Eric_Regensburger_of_The_Meadows_at_Firefly_Farm_Preserv](#)

If you have another document you would like to attach to your application, you may upload it below:

[Dix_Park_Cultural_Interpretation_Plan_final_spreads_0.pdf](#)

Please upload a file

Demographics

Date of Birth

Gender *

Male

Ethnicity *

Asian

Caucasian

Other

How did you become aware of Wake County volunteer opportunities?

Other

If you selected "Other" above, how?

Currently Serving on Wake County Agricultural Advisory Committee

Please upload a file

ETHICS GUIDELINES FOR COUNTY ADVISORY BOARDS AND COMMISSIONS

By submitting this electronic application, if appointed, I pledge by my signature below that I have read and will comply with the ethics guidelines for advisory boards and commissions as adopted by the Wake County Board of Commissioners, found [here](#).

ERIC REGENSBURGER

919-633-8431 | ericregensburger@gmail.com | linkedin.com/in/eric-regensburger/

Professional Summary

Senior Planner combining public planning, capital project management, and private-sector development experience. Strong cross-agency collaborator and licensed General Contractor.

Core Skills

- Capital Project Management
- Community Engagement & Governance
- Community-Focused Planning
- Real Estate Development
- Construction Oversight (Licensed GC)
- Cross-Agency Collaboration
- Strategic Operations
- Grant & Budget Management
- Proficient in Mandarin

Education

Boston University — 90 credits toward BA in Political Science (2009–2011)

Licensure & Certifications

- NC Licensed General Contractor (2017–Present)
- NC Licensed Real Estate Agent (2014–Present)

Professional Involvement

- Wake County Agricultural Advisory Board
- Serve on NCRPA Finance Committee
- NC Association of Realtors
- Friends of Wake Soil & Water
- NC Self-Storage Association

Professional Experience

Senior Planner — City of Raleigh PRCR (Oct 2022–Present)

- Led Chapel Healing Garden and Utility Infrastructure Master Planning.
- Directed ADA Improvement Project funded by \$1M Federal ARP grant.
- Developed Cultural Interpretive Plan for equitable storytelling.
- Liaison for Dix Park Community Committee.
- Coordinated DHHS transition and infrastructure with multiple city agencies.

Director of Operations — The Meadows at Firefly Farm (2017–2022)

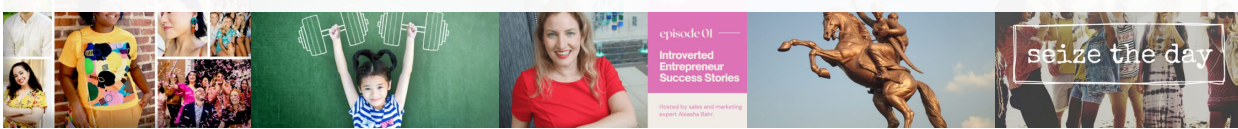
- Managed venue operations; achieved 60+ bookings in year two.
- Oversaw construction including apiary and vineyard.
- Performed conservation work including controlled burns.

Project Manager — Security Self-Storage (2016–2017)

- Led development of 3 new properties and expansions at 3 sites.
- Delivered marketing strategy increasing sales 30% YoY.
- Established conservation easements with Triangle Land Conservancy.

Trending

RALEIGH'S MOST INSPIRING STORIES



RALEIGH'S MOST INSPIRING STORIES

15 AMAZING FEMALE FOUNDERS

INTROVERTED ENTREPRENEUR SUCCESS

11 WOMEN WHO CHANGED THE WORLD

AN INTERNATIONALLY INSPIRED

LOCAL STORIES

AUGUST 13, 2021

Exploring Life & Business with Eric Regensburger of The Meadows at Firefly Farm Preserve



LOCAL STORIES



Today we'd like to introduce you to Eric Regensburger.

Hi Eric, can you start by

POPULAR



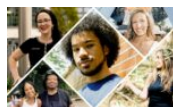
RALEIGH'S MOST INSPIRING STORIES



HIDDEN GEMS: LOCAL BUSINESSES & CREATIVES YOU SHOULD KNOW



DIAMONE RICKETTS IS BUILDING FREEDOM, FAITH, AND RESILIENCE THROUGH CREATIVITY



PORTRAITS OF RALEIGH



SHARE



TWEET



PIN

CONNECT



introducing
Trending
yourself!

RALEIGH'S MOST
INSPIRING STORIES HIGHLIGHTER SERIES

**We'd love
to learn
more
about how
you got to
where you
are today?**



**HAVE ANY RECENT MOMENTS
MADE YOU LAUGH OR FEEL
PROUD?**

I am the
Director of
Operations
for The
Meadows
at Firefly
Farm
Preserve. I
was born
in Taipei,
Taiwan,
because
my parents
were the
first ones
to bring a
dominoes
pizza
franchise
there. We
moved
back to the
states
when I was
still a baby

CONNECT



so they
could open
a self-

Trending

RALEIGH'S MOST
INSPIRING STORIES

storage
business in
NC. Small
business is
woven into
our DNA. I
remember
going with
my dad to
run storage
auctions as
a kid, and I
am pretty
sure the
first thing I
drove was
the
maintenance
golf cart.
As I got
older, I
began
working
there in
the
summers,
starting
with
sweeping
units to
eventually

CONNECT



managing
Trending
my own

RALEIGH'S MOST
INSPIRING STORIES

store. I
went to
Boston
University
(I was one
of two
people
from
Raleigh in
my class)
for
International
Relations.

After a few
years up in
the frozen
north, I
decided to
come back
home to
NC with a
newfound
appreciation
for warm
summers
and
our family's business.

I realized
my true
strength
was my
ability to

CONNECT



add value
to our
Trending

RALEIGH'S MOST
INSPIRING STORIES

company
by
pursuing
licenses,
permits,
and
knowledge
that we
lacked. I
became a
realtor and
worked
with my
father to
kickstart a
new period
of growth
in the
company. I
spearheaded
the
purchase
and build-
out of
three new
storage
facilities as
well as
expansions
at our
existing
facilities.

CONNECT



This made
me realize
Trending

RALEIGH'S MOST
INSPIRING STORIES

that I also
needed to
become a
General
Contractor
in order to
manage
the
construction
so I went
out and got
my NC
General
Contracting
License. Self
Storage is a
great
business, but
outside of
solving the
puzzle of
new
acquisitions,
I never
truly felt a
passion for
it. We
needed a
mission
that we
could
pour our

CONNECT



skills
knowledge
Trending

RALEIGH'S MOST
INSPIRING STORIES

and unique
problem-
solving
skills into.
That
mission
turned out
to be
the Firefly
Farm.

When I
was 13, we
lost our cat
in our
suburban
neighborhood.
During our
search, my
dad
stumbled
out of the
woods near
our house
and onto a
working
farm. It
turned out
to be one
of the last
farms in
our part of
Wake

CONNECT



County, a
rapidly
Trending

RALEIGH'S MOST
INSPIRING STORIES

urbanizing
area only
12 minutes
from the
heart of
downtown
Raleigh.
The owner
of the farm
helped my
dad look
for our cat
and told
him that
she was
thinking
about
selling the
farm and
moving to
the beach.
We ended
up finding
the cat as
well as our
new home,
Firefly
Farm. We
had to
learn a lot
of new
skills

CONNECT



quickly.
The farm
Trending

RALEIGH'S MOST
INSPIRING STORIES

boarded
horses,
raised
chickens,
managed
forestry,
and grew
an
assortment
of fruits
and
vegetables
such as figs
and
blueberries.
My three
sisters
learned to
ride horses
and I got to
explore
every creek
and
meadow.
Deer,
coyotes,
beavers,
hawks,
owls,
herons,
opossums
made the

CONNECT



farm their
home and
Trending

RALEIGH'S MOST
INSPIRING STORIES

over time,
we realized
how
important
open space
was to
their
survival in
a rapidly
changing
landscape.
This led us
to
purchase
our
neighbor's
farm in
2016 in
order to
continue
our
mission of
land
conservation.
This
brought
the farm
up to 150
acres
which
meant we
had to

CONNECT



expand our
agriobusiness
Trending

RALEIGH'S MOST
INSPIRING STORIES

in order to
pay the
mortgage.
After going
through a
ton of
ideas
(Christmas
tree farm,
retirement
community,
equestrian
community),
we settled
on a
wedding
and event
space
called The
Meadows
at Firefly
Farm
Preserve.
We would
utilize the
existing
buildings
(with
extensive
renovations)
in order to
maintain a

CONNECT



small
environmental
Trending

RALEIGH'S MOST
INSPIRING STORIES

footprint
and create
an
agirtourism
business.

We have
been
hosting
weddings
since 2017
and have
had over
180
amazing
events so
far. Now
we are
expanding
our
buildings
and
outdoor
space in
order to
meet the
challenge
of a post-
Covid
landscape.
We have
also set up
a

CONNECT



partnership
with BEE
Trending

RALEIGH'S MOST
INSPIRING STORIES

Downtown
in order to
bring bees
to the
property as
well as
create The
Meadows
branded
honey
products.
The next
project I
am
working on
is The
Vineyard
at Firefly
Farm
Preserve.
We are
currently
building a
tasting
room in
the heart
of our new
vineyard
which will
be serving
wines we
have

CONNECT



created
without
Trending

RALEIGH'S MOST
INSPIRING STORIES

local
winery
partners. I
am super
excited
about this
new
business as
it will
allow a
greater
swath of
the general
public to
experience
the natural
beauty of
the
property
while
enjoying
local wine,
charcuterie,
and other
local
products!

**Would you
say it's
been a
smooth
road, and
if not**

CONNECT



what are
some of
Trending

RALEIGH'S MOST
INSPIRING STORIES

the
**biggest
challenges
you've
faced
along the
way?**

When we
set out to
start
an agritourism business,
none of us
had any
experience
in the
event/wedding
industry.
We had to
learn
everything
from the
ground up,
from
catering
and bar
policies to
designing
new
outdoor
ceremony
sites. A lot
of

CONNECT



what we learned
was *Trending*

RALEIGH'S MOST
INSPIRING STORIES

through
trial and
error. For
example,
we used to
allow
people to
bring their
own
alcohol
instead of
utilizing
bar
vendors.

We learned
quickly
that this
leads to
unprepared
bars (warm
drinks and
no
garnishes),
shoddy
service,
and a lack
of clear
ownership
at the end
of the
night when
the bar

CONNECT



should be
ending.
Trending

RALEIGH'S MOST
INSPIRING STORIES

This led me
to obtain
our own
liquor
license and
we got into
the
bartending
business
ourselves!
We now
provide bar
services for
every event
at The
Meadows.

Another
major
challenge
is that our
local
government
(Wake
County)
was not
used to
dealing
with
agritourism.
It took us a
full year in
order to

CONNECT



get the
permitting
Trending

RALEIGH'S MOST
INSPIRING STORIES

needed to
start our
business
and it was
a real
challenge
to
convince
them that
weddings/events
would fall
under
agriculture.
While the
law is very
clear on
the state
level, we
lived in an
urban
location
where
agriculture
had long
ago been
pushed to
the
periphery.
We dealt
with a lot
of
ignorance

CONNECT



regarding
what you
Trending

RALEIGH'S MOST
INSPIRING STORIES

are allowed
to do on a
farm as
well as an
ingrained
interest to
develop
open space
for housing
and
commercial
interests.
Ultimately
we did get
our
permits
and we
became a
learning
experience
for the
county.
Now we
work with
them
regularly
and have a
great
relationship
in order to
pursue new
and

CONNECT



exciting
agritourism
Trending

RALEIGH'S MOST
INSPIRING STORIES

ventures.

**Thanks –
so what
else
should
our
readers
know
about The
Meadows
at Firefly
Farm
Preserve?
The
Meadows is
a wedding,
elopement,
and event
venue on a
family-
owned
heritage
farm near
the heart
of Raleigh.
Our space
blends
Southern
elegance,
rolling
meadows,
and mature**

CONNECT



forests. We
are proud
to share
our 150-
acre
preserve
and our
passion for
land
conservation
with our
clients.
Day rentals
include
Private use
of Heron
Hall, Aerie
House, The
Roost, and
The
Preserve.
Our
packages
include a
variety of
amenities
& services,
including a
venue
representative,
gorgeous
reclaimed
furniture
pieces,

RALEIGH'S MOST
INSPIRING STORIES

CONNECT



tables +
Trending
chairs, and

RALEIGH'S MOST
INSPIRING STORIES

more.

The Meadows offers a curated + extensive list of the Triangle's most talented wedding professionals.

They are hand-selected by The Meadows for their performance within the industry, with our clients, and at The Meadows. Our mission is to support vendors who reflect the diversity of

CONNECT



OUR
community
Trending

RALEIGH'S MOST
INSPIRING STORIES

– this
allows each
couple to
design a
celebration
unique to
their style
+ needs
while
ensuring a
smooth
and happy
event day.

What
makes us
truly
unique is
how much
we offer
and our
location.
Every bride
& groom
have access
to the
entire
grounds,
including
two homes
(Aerie
House and
the Roost),

CONNECT



that they
can get
Trending

RALEIGH'S MOST
INSPIRING STORIES

ready in
and relax
during
their big
day. Each
house is
curated to
create a
truly
memorable
experience,
with fully
equipped
game
rooms,
dressing
rooms and
four fully
plumbed
outside
antique
claw-
footed
bathtubs
being a few
examples.
We also
offer five
unique
outdoor
ceremony
sites to

CONNECT



choose
front. This
Trending

RALEIGH'S MOST
INSPIRING STORIES

includes
everything
from the
middle of a
65-acre
native
prairie to
under huge
willow oak
trees by
Aerie
house or
even
nestled
among a
mature
hardwood
forest
under
twinkling
market
lights.
Even
though you
feel like
you are in
the middle
of a
natural
oasis, you
are also
only 12

CONNECT



minutes
from the
Trending

RALEIGH'S MOST
INSPIRING STORIES

heart of
downtown
Raleigh.
Our clients
love this as
they can
truly have
the best of
both
worlds.

We are also
super
proud of
our brand
because
our
mission
comes first.
We do
what we do
to preserve
open space
and the
natural
world for
future
generations.
This
mission is
reflected in
everything
we do,

CONNECT



including
Trending
composting,

RALEIGH'S MOST
INSPIRING STORIES

banning
single-use
plastics,
utilizing
gently used
and
upcycled
furniture,
and
building
with salvaged building
material.

Many
decorative
and
foundational
elements
of Heron
Hall use brick,
glass, and
wood from
other
buildings
that were
torn down
in the area.

We also
moved two 1920
era farm
houses
that were
scheduled

CONNECT



to be
burned

Trending

RALEIGH'S MOST
INSPIRING STORIES

down from
down the
street via
tractor
trailers in
order to
utilize
them for
our new
vineyard
tasting
room. The
land itself
is also
important
as we have
a large
amount of
crucial
wetland
habitat
that helps
keep our
communities'
water clean
for both
people and
animals. It
also
provides
habitat and
safe refuge

CONNECT



for a ton of
Trending
species,

RALEIGH'S MOST
INSPIRING STORIES

including
deer,
coyotes,
beaver,
otters,
herons, hawks,
owls,
songbirds,
woodpeckers,
and so
many
more.

**How do
you think
about
happiness?**

Hosting
events that
make
people
happy
brings me
a lot of
joy. I love
throwing
parties and
events in
my private
life and it's
great that I
get to
extend that

CONNECT



to my
career!

Trending

RALEIGH'S MOST
INSPIRING STORIES

when
someone
entrusts
you with
one of the
most
important
days of
their life,
it's a huge
responsibility.

Nothing is
better than
talking to a
client or
reading a
review that
says we
blew them
away and
that their
family and
friends had
an
amazing
time at
their event.

I go home
every day
to my
wonderful fiancé of
four years

CONNECT



(Sarah
who is
Trending

RALEIGH'S MOST
INSPIRING STORIES

currently
at NC state
getting her
master's in
social
work), as
well as our
dog (Indy)
and Cat
(Mosley).
We always
joke that at
least we
already
have our
venue
picked out
when we
get
married!

It is not
easy
working in
a family
business
and it can
cause a ton
of stress
when the
boundaries
of work
and family

CONNECT



are
blurred. It

Trending

RALEIGH'S MOST
INSPIRING STORIES

is also
incredibly
rewarding,
however.
Everything
I do
directly
helps the
people I
love, which
makes the
crazy
schedule
and jack of
all trades
lifestyle
worth it. I
work with
my mom
and now
my sister
(she just
signed on
as an
account
manager),
so I get to
see them
almost
everyday!
It's a
blessing to

CONNECT



share that
Trending
time with

RALEIGH'S MOST
INSPIRING STORIES

them.

Pricing:

- Elopements
Start
at
\$750
- Weekday
Weddings
\$5,800
- Fri/Sun
\$10,800
- Sat
\$11,800

Contact

Info:

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Trending

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Trending

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Trending

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Trending

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CONNECT



Trending

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INSPIRING STORIES

CONNECT



Trending

RALEIGH'S MOST
INSPIRING STORIES

Image

Credits

Adam

Chapin

Photography

Michelle

Elyse

Photography

Suggest a

Story: VoyageRaleigh

is built on
recommendations
from the
community;
it's how we
uncover
hidden
gems, so if
you or
someone
you know
deserves
recognition
please let
us
know **here.**

RELATED ITEMS

LEAVE
A
REPLY

CONNECT



Your email address will not be published. Required fields are marked *

RALEIGH'S MOST INSPIRING STORIES

Comment *

Text input field for comment

Name *

Text input field for name

Email *

Text input field for email

Website

Text input field for website

Save my info checkbox

Save my name, email, and website in this browser for the next time I comment.

Post Comment

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Dix Park Cultural Interpretation Plan

2024

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Contributors

Prepared in Spring 2024 by
Cloud Gehshan Design and
Brocade Studio

Many, many people have contributed insights that have helped strengthen the interpretation of the Dix site over the years. Thank you to everyone who contributed to this process in public conversations, at workshops and events, and online.

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1. Introduction

A New City Park

A photograph of a field of purple flowers in the foreground, with a park scene in the background. The sky is blue with some clouds, and a street lamp is visible in the distance.

Dix Park has become a regional destination for recreation, education and reflection. The *Dorothea Dix Park Master Plan*, adopted by City Council in 2019, provided recommendations for the transformation of the former hospital site into a public park. The Master Plan suggested future physical and programmatic uses of the site and identified a need for further interpretation of the site's complex history, including its role as a psychiatric institution, plantation, and Native homeland.

The City of Raleigh and Dix Park Conservancy have gathered historical records and community perspectives related to the site toward creating a plan for cultural interpretation at Dix Park. Community members assembled archival records, oral histories and scholarship that would become the basis for cultural interpretation. In 2022, Cloud Gehshan with Brocade Studio joined the team to lead the community engagement and planning process.

This document — the Cultural Interpretation Plan (CIP) — is the result of 18 months of researching, listening, and strategizing about how history, community, recreation, and reflection could come together at Dix Park. It's a synthesis of community priorities that also offers structured recommendations for sharing the site's history with visitors and connecting the past to what Raleighites find meaningful today.

The Cultural Interpretation Plan is the beginning of an ongoing process of community planning.

Goals for Cultural Interpretation

What is cultural interpretation? At its core, cultural interpretation seeks to create opportunities for people to connect with a site and its history.

Interpretation communicates the values of the institution—here, the City of Raleigh with the Dix Park Conservancy— through the ways it shares knowledge and stories about the site with park visitors and the wider world. At the practical level, cultural interpretation includes the design of physical and conceptual spaces, written text, live presentations and programs.

Through conversations with community members, park staff and stakeholders, five overarching goals for cultural interpretation emerged at Dix Park:

Bring relevance and meaning to the site by making connections to issues Raleighites face today

Increase appreciation and understanding of the natural resources of the park and how to protect them

Tell the unfolding history of the site, with special care for stories that have been buried or forgotten here

Cultivate curiosity, dialogue and empathy

Challenge visitors to think in new ways about history

2. Foundations

Planning, Research and Community Work



Community members provided input at a number of interpretive workshops, including this one in late 2022.

The CIP team's work builds on a wealth of existing planning, research and community member expertise. The *Master Plan*, a foundational resource, provides extensive research about site history and natural resources as part of its vision for an expansive and dynamic urban park.

Another foundation of this CIP is the dedicated work of the Legacy Committee and Community Committee. These committees have pushed for a concerted reckoning with the site's history, highlighting the need to incorporate fuller accounts of what happened and center the perspectives of those with connections to this history. This includes, for instance, the perspectives and commitments of people who were treated at Dix Hospital and people whose ancestors were enslaved at Spring Hill plantation.

Insights from the wider Raleigh community, gathered in workshops and online, also guided planning. Community storytellers, historians and elders advised the team throughout the process. (See the *Engagement Summary for details*)

Museum and digital archivists, oral historians, and university-based scholars provided a substantial body of research that grounds this report and will serve as a resource for future projects in the park. (See the *Research section for details*)

Alignment with the Master Plan

The plan expands upon some of the core principles and key actions outlined in the *Master Plan*. These include:

Open up and connect

- Work with neighboring communities and institutions to maximize local and regional connections to the park
- Improve existing entries and create new ones, welcoming visitors from all directions in as many ways as possible
- Host events and gatherings for community members, families, neighborhood groups and local institutions in park spaces

Build from what is there

- Bring meaning and relevance to the site's complex layers of history through new park elements as well as restoration, reuse, and reinterpretation of existing elements
- Honor the legacy of Dorothea Dix by creating park spaces and programs that support the wellness of visitors
- Weave into the park experience innovative resiliency projects that reveal the natural landscape systems

Offer something for everyone

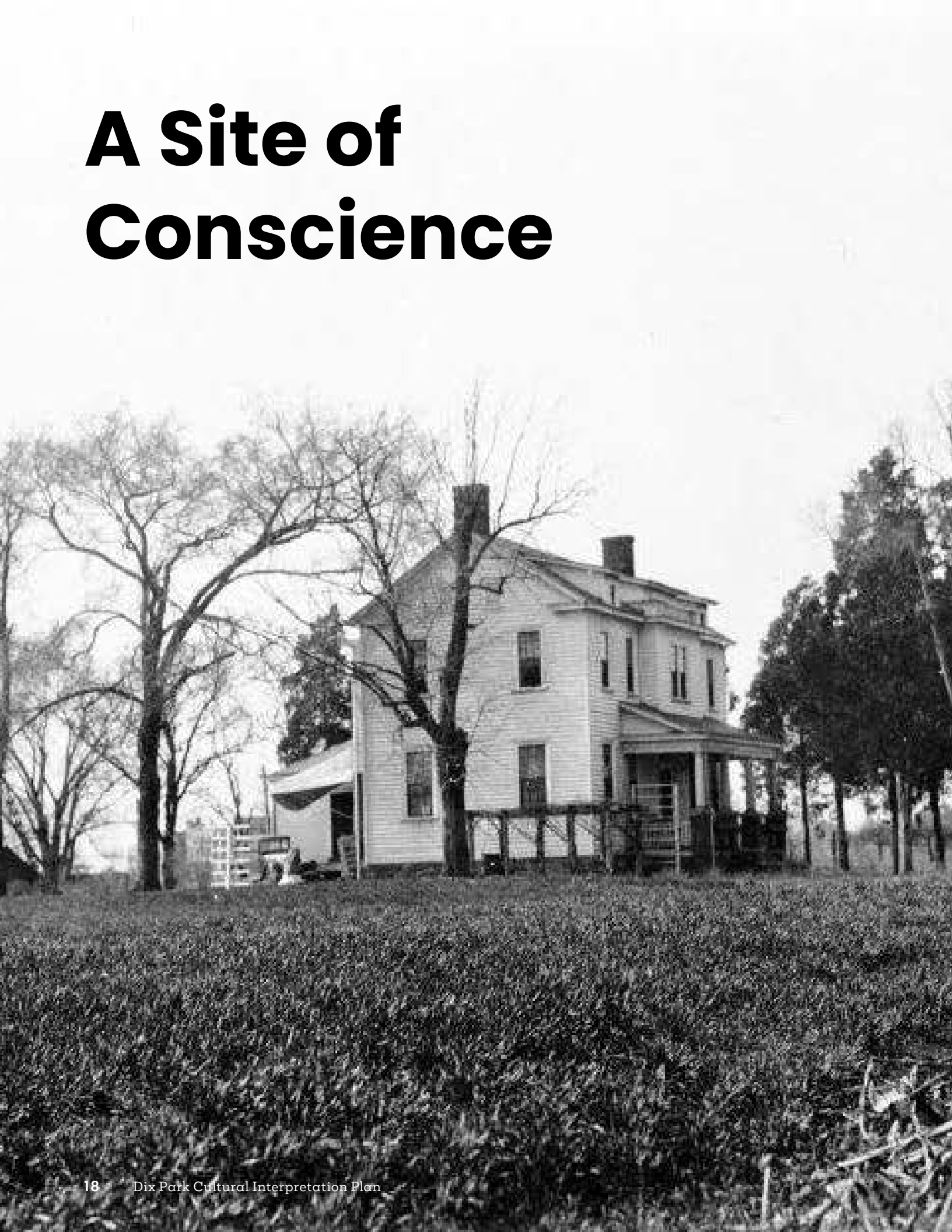
- Restore and celebrate the site's cultural landscapes to connect the past to today
- Design park spaces to be flexible and dynamic, to support a range of meaningful and engaging activities and events and adapt over time
- Include spaces for creative expression

The Meadow

The Valley

Creek

A Site of Conscience



Dix Park is a Site of Conscience. A Site of Conscience “is a place of memory that confronts both the history of what happened there and its contemporary legacies.”

This means, as the Dix Park Sites of Conscience Work Group lays out, that **“the complicated, unspoken, and often uncomfortable histories of slavery, abuse, segregation, and removal that have occurred in this space must be documented.**

The issues of race, disability, mental health, discrimination, and communal healing inherent in our space are inseparable from our desires for what this park could become.”

Dix Park is committed to preservation of the site’s history as a way of “moving memory to positive action.” The Cultural Interpretation Plan represents a significant step for the City and the Conservancy towards the goals of:

- Engaging community members in remembering and sharing stories that connect the past and present in the park
- Creating awareness of the site history and increasing the visibility of historically significant places in the park
- Inspiring positive action through site interpretation, restoration, and opportunities for community-led discussion and creative responses to current issues

Considerations for Planning

The Dix Park site holds significant interpretive challenges. The site is undergoing a radical change of use from a purposefully isolated hospital campus into a welcoming natural and recreational resource. As the site evolves, there is a need to preserve and communicate the layers of its history in the context of its new use as a public park.

Several key considerations should be kept in mind when planning interpretation:

Most people will come to Dix Park in search of recreation and entertainment.

They will not be looking for information about the complex history of the park site, but they may take a moment for a well-placed invitation to learn about a story that resonates with them.

Given the park's diversity of users, successful interpretation must include a mix of communication approaches.

This includes direct approaches like staff tours, signage, digital storytelling and exhibitions, as well as more open-ended experiences like a forest walk, a view of the old hospital buildings, or an afternoon at Gipson Play Plaza. Interpretive elements should be carefully woven through the park landscape to offer a range of ways for visitors to engage with the site and its stories.

Community members want spaces that can hold powerful memories, promote healing, and provoke real dialogue.

They voiced a need for engaging memorials, community-driven works of art, gathering spaces, and walks in nature. These paths and landmarks can take various forms but should be placed deliberately and of a scale to be experienced by visitors from a distance and up close.

The park's development is still in its early stages.

Doing what is feasible in the present, with an eye toward high-impact locations and initiatives, will be vital to creating positive visitor experiences as site development unfolds. This Plan recommends dynamic projects that can be implemented in different phases of development, along with temporary exhibits and installations that can be phased out as more permanent projects are completed.

Our understanding of the site's history and relevance

will evolve with shifts in public conversation and new discoveries. Meaningful interpretation at Dix Park that is impactful for visitors depends, in great part, on continued community engagements and research — foundational elements of this Plan.

Who Are We Interpreting For?

To be effective, cultural interpretation in the park will need to engage an array of kinds of visitors, including:



People who come seeking recreation and relaxation

These visitors may come for a solitary walk or a shared game of disc golf. They may be seeking a moment of quiet reflection on one day, and a place to celebrate with family and friends on another. For people in search of entertainment and cultural events, the park today hosts a variety of options ranging from art installations to movies, cultural festivals to staged entertainment. The number of these visitors will grow exponentially as the park brings its plans to fruition, adding options for recreation and social gathering.

Children

Gipson Play Plaza is an early investment in expanding the park's appeal as a destination for families with young children. This and outreach to school groups create a greater demand for interactive interpretive activities and programs designed for children.

With all these visitors in mind, an interpretive palette that “offers something for everyone” will need to be approachable and responsive to a variety of ages, interests and goals.

It should offer opportunities to stretch beyond the familiar — to pique curiosity about the site's history and reward exploration. Interpretation must also be sensitive to the weight of these stories, providing options for visitors to choose their level of engagement with the site's complex and sometimes painful past.



People who currently experience barriers to access

Welcoming people with particular physical, developmental, sensory, or mental health needs will require designing engaging interpretive elements that are accessible for them.



Community members with historical or family connections to the site

Currently, these include Native American North Carolinians who host an annual Pow Wow at Dix Park, descendants of people who were enslaved at Spring Hill plantation, and members of the mental health community, including former patients and their families, mental health practitioners, and hospital staff whose families lived and worked at the site for generations. These visitors will seek interpretation that acknowledges their personal histories, and shares these histories in ways that allow others to find connection and meaning.

3. The Site & Its Stories

Community Histories





Dix Park site has a complex past.

The site is and has long been Native land. It was also the grounds of plantation slavery and its aftermath. And it was the location of a longstanding state psychiatric hospital.

It is a place connected to broader histories of colonization and racism, changing dimensions of mental illness and its treatment, and struggles for justice and community-building.

It is also, today, a public park where different communities intermingle and interact.

Initially, interpretation in the park will focus on four community histories: the ecological history of the site over time; Native American community history on and near the site; African American community history on and near the site; and the history of those who were treated, worked, and/or lived at Dix Hospital.

			
<p>Ecological History Early Ecology Layers of Land Use Common Land to Private Property Development of the Site as... ...Plantation ...Hospital ...Landfill Who has worked this land? Dix Park as a Place for Restoration</p>	<p>Native American Community History Native America Living through Colonization, Protecting Community Native Americans at Dix Hospital Dix Park as a Place of Presence Present / Past / Future</p>	<p>African American Community History Establishing Spring Hill plantation Life at Spring Hill plantation Hospital Foundations The Civil War Segregation & Integration at Dix Hospital Emancipation and Reconstruction Plantation Life after Reconstruction Raleigh's Freedmen Communities Growth of Cultural Institutions Jim Crow Era Raleigh's Parks Civil Rights Movement From Segregation to Gentrification Dix Park as a Place for Acknowledgement John Hunter and the Hunter Descendants</p>	<p>Dix Hospital Community History Mental Health Treatment in NC before Dix Hospital Dorothea Dix Design & Construction of Dix Hospital Civil War comes to Dix Hospital Rise of Nursing Segregation & Integration at Dix Hospital Expansion of the Hospital Patient Work at Dix Hospital The Great (Healing) Outdoors Working at Dix Hospital Home for Staff Home for Patients Dix Hospital as Community Diagnosis and Treatment at Dix Hospital Patient and Family Stories All Faiths Chapel Dix Hospital Cemetery Closure of the Hospital After Dix Hospital: The Deinstitutionalization of Mental Health services Dix Park as a Place for Healing</p>

Here and throughout the CIP we use the term **community history** to emphasize that history is told and shared in communities. Community history points us not just to what happened, but how past events connect to what is meaningful for communities today. Over time, interest and awareness about additional aspects of the site's history that are significant to communities in Raleigh will emerge, and should be incorporated into the site's interpretation.

The following pages contain summaries of the four community histories. For further related resources, see the items in the Appendix.

Ecological Community History



Dairy cows at the Dix Hospital Farm, 1941.
Image courtesy of the State Archives of North Carolina

The Dix Park site is located in the Piedmont region, historically an area of remarkable ecological diversity. Over time, the site has been shaped by different kinds of human cultivation, exploitation and stewardship, each of which has left its mark.

Beginning as early as 1,000 BCE, it is likely that nomadic Native Americans used this site as a hunting ground. During this period, elk, buffalo, black bears, deer, and smaller game were plentiful. Subsequently, experts believe that Native American tribes may have occupied land near Rocky Branch Creek and Walnut Creek, cultivating crops like squash, beans, maize and tobacco and medicinal herbs. Early Native communities cared for the land through an approach based in maintaining ecological balance.

European colonists eventually took the land, and redefined it as private property. They developed processes of engineering and extraction that generated wealth and resources for some, but also led to high levels of pollution and a loss of ecosystem diversity. Over time, the site was used as a plantation, hospital campus and landfill.

On plantations like the one which existed at the site for nearly a hundred years, enslaved African people worked the land, drawing on agricultural skills and knowledge from their home cultures. Cotton and possibly tobacco were grown as cash crops at Spring Hill plantation, along with corn, wheat, potatoes, beans, oats, and flax. Plantation development introduced new cultivated crops and domesticated animals but further reduced wild species diversity.

From 1850 until 2012, the site was further developed and used as the grounds for the state psychiatric hospital. Patients worked at the hospital's large farm, spent time in the

campus greenhouse, and took walks in the patient park on the hill.

By the 1960s, "the 1,853-acre hospital farm consisted of 832 acres of cropland, 287 of improved pasture land, 695 wooded acres, 26 acres of roads and lots, and 13 acres of ponds. The expansive farm included 1,280 swine, including 180 brood sows; 225 cows; and 8,000 layer hens. Two hundred patients worked the farm, along with twenty-one hospital employees" (Marjorie O'Rorke, *Haven on the Hill*). The grounds were also used for a hospital cemetery that was established soon after the founding of the hospital and was in use through the early 1970s.

To accommodate the institution's growth, the site was continually manipulated. Stream channelization, forest clearance, changes to the natural topography, railroads, bridges and roads destabilized existing natural systems and led to further losses in plant and wildlife species diversity. Construction and disposal practices also erased traces of the site's history. From 1957 to 1972, the City of Raleigh used parts of the site as a municipal landfill for dumping solid waste. The landfill footprint encompasses 52 acres of the park, including much of Flowers Field, the former soccer fields, sunflower field, and the surrounding grasslands and pine grove.

Today the City of Raleigh and Dix Park Conservancy are working to improve and transform the site. Park initiatives are focused on supporting the tree population, improving the soil, restoring the waterways, and creating programming that encourages environmental stewardship. The Park is also working to identify and preserve the histories held by the land, including the continued restoration of the hospital cemetery.

Native American Community History



The town of Pomeiock and true forme of their howses, covered and enclosed some wth mats, and some wth barkes of trees. All compassed about wth smale poles stuck thick together in blood of a wall.

The village of Pomeiock, NC, 1585.
Image Courtesy of the British Museum.

This site has been Native American land for centuries, and still is. While European colonization physically displaced Native people from the land, it did not change the significance of the site as Native homeland.

By 1,000 BCE, Native Americans had come to the Piedmont's rolling hills to hunt and gather food. Over time, different tribal communities became caretakers of the area's grounds and waterways. These first communities developed systems of agriculture, medicine, architecture, governance, and craft, and spirituality. They cultivated crops and cared for the complex ecosystem they lived with.

Due to extensive land disturbances like landfill bulldozing, not many physical traces of these communities have been preserved at the park site, but evidence of early Native American settlement has been found nearby.

Beginning in the 1500s, Native Americans in North Carolina were displaced from their homelands by colonization. European settlers used violence to remove Native communities from land they wanted to claim, and tribes responded with a number of strategies to preserve their communities, including voluntary and coerced migration, moving onto reservations, outward assimilation, and going into hiding.

During the segregation period (1880s-1950s), Native Americans in North Carolina experienced exclusion, discrimination, and official and everyday refusals to recognize their sovereignty and identity. Faced with these challenges, they fought for community self-determination and built institutions like schools and lending associations.

Native American patients were treated at Dix Hospital throughout its operation. Early in the hospital's history they were sent to segregated wards. Some Native American people were buried in the hospital cemetery, but their ancestry was often not noted in the records and many gravesites were not marked. There is still work to be done to continue to piece together this history.

Most of the Native Americans who were patients at Dix Hospital were members of the Lumbee tribe, the largest tribal community east of the Mississippi River and the ninth largest in the nation. Like other tribes in the area, this community has its own distinct history, woven into the collective Native American story.

Today, Native people are everywhere and in every kind of community in North Carolina. Community and ancestral traditions that were buried during the segregation period are being revived. The City of Raleigh and Dix Park Conservancy are working to make the park a place where Native American stories and traditions can be shared.



Performer at the Dix Park Inter-tribal Pow Wow, 2023

African American Community History



Hunter family descendants at a reunion at Dix Park in 2019. Image courtesy of Ernest Dollar.

African Americans have lived and worked on this site since the early 1700s. For nearly 100 years, what is now Dix Park was part of Spring Hill plantation (the remainder of the original plantation site is now part of the North Carolina State campus). Spring Hill plantation was owned by the Hunter family, who enslaved many people. The Hunter wills show how families were torn apart as they were sold and traded by the people who enslaved them.

At Spring Hill, as elsewhere, enslaved people did the foundational work of building and sustaining the plantation. African people brought their practices and knowledge to North Carolina, shaping the architectural, agricultural, culinary and cultural traditions that are part of shared regional identity today.

Some people who were enslaved at Spring Hill lived and worked in the plantation owner's house; most lived in separate housing. Enslaved people tended their own small gardens, hearths and burial sites. Few traces of their communal life remain on the site today.

John Hunter is one important link to this part of the site's past. Born in 1764, John lived for 12 years as a free man after surviving 101 years of enslavement, including at Spring Hill. He was a skilled iron worker and minister. Research is underway to learn more about his lineage, as well as those of Ned and Isaac Hunter, also enslaved at Spring Hill. This research has been a collaboration between the descendants of the plantation owners and the descendants of those who were enslaved to discover ancestral roots and forge present-day connections.

Dix Hospital was built on the foundations of plantation life. In 1850, 53 acres of the plantation property were sold by Hunter heir Maria Hall to the state, and combined with 129 acres purchased from Sylvester Smith to create North Carolina's first mental health care facility. Records show that enslaved people built the original infrastructure for the hospital.

Not long after the hospital was built, the country erupted in war. African Americans built the earthwork, a large, soil embankment that formed a fortification around the city, to protect Raleigh from Union forces. The earthwork cut through the state hospital property.

In the first decades of Dix Hospital's operations, Black people were excluded from treatment. The Civil War led to the admittance of the first Black patients. Black men fought in the war as part of the United States Colored Troops, and were treated at Dix Hospital for war-related symptoms. (The hospital cemetery holds the graves of Civil War veterans like Eli Hill (d. 1877), a Union soldier with the USCT.) But fewer than fifty African Americans were admitted to Dix Hospital between 1856 and 1965, when Dix Hospital was desegregated to comply with the Civil Rights Act. North Carolina opened Cherry Hospital (then known as the "Asylum for the Colored Insane") as a separate facility in Goldsboro for African American patients. It is generally agreed that the state provided fewer resources and less funding to this facility.

The Civil War ended in April 1865, opening a brief period of legislative reform known as Reconstruction (1865–1877). Slavery was abolished and formerly enslaved men had the right to vote and hold public office in Southern states. For Black people and

abolitionists, this was a time of hope, rapid change, and fundamental upheaval. Reconstruction ended in 1877, when pro-slavery factions regained political power in North Carolina and across the South. From then until the 1950s, federal and state governments withdrew civil rights from Black people and other racially marginalized groups, and introduced laws to enforce discrimination against people of color. Among these measures were legal and economic sanctions that kept land and wealth in the hands of White people.

During this time, public spaces were defined by segregation, resulting in separate and unequal (less funded, less maintained, smaller) spaces for people of color. 'White parks' and 'Black parks' emerged in Raleigh, a pattern that continued even after legal desegregation. Places like nearby Chavis Park became spaces where Black Raleighites could experience relative safety and acceptance under conditions of ongoing exclusion and racism.

Moving forward, the City of Raleigh and Dix Park Conservancy want to make Dix Park a place where people of color feel welcome and safe. Residents say this will begin with the ongoing acknowledgement of the history of racism, and specific initiatives to incorporate the perspectives, voices and placekeeping practices of Raleigh's Black residents into the park's infrastructure and programming. The City and Conservancy also want the park to be a place where genealogical research about descendant lineages is supported and shared.

Dix Hospital Community History



Patients at the sewing room at Dix Hospital in the late 1800s.
Courtesy of the State Archives of North Carolina

North Carolinians living with mental illness had few places to seek help before reformer Dorothea Dix arrived in Raleigh in 1848. Dorothea Dix advocated for a new type of institution – the asylum – as a refuge for those living with mental illness, and a new approach to treatment that emphasized time spent in nature, recreation, and meaningful work. Dorothea Dix was a fearless advocate for improvements in mental health care, but she also held discriminatory beliefs about how race should determine access to treatment.

Dorothea Dix successfully persuaded the state to fund a psychiatric hospital in North Carolina, and construction of the hospital commenced in 1850 on what are now the park grounds. The campus plans drew on pastoral trends in architecture and landscape design, and focused on creating access to outdoor vistas, fresh air and sunlight.

The first hospital buildings were built by people who were enslaved. Inmates from the State Penitentiary and hospital patients also worked without pay on the construction of some of the campus's buildings over time.

In February 1856, the hospital, then known as the North Carolina Hospital for the Insane, opened its doors, accepting only White and Native American people for treatment. Men and women occupied different wings of the hospital. Anna Cameron Kirkland was the first female patient admitted to Dix Hospital and received treatment at the hospital for 33 years.

In April of 1865, Union soldiers set up an encampment on the property, ransacking the Dix campus. The war took a toll on civilians and soldiers. A number of North Carolina



Dix Hospital nurses with a portrait of Dorothea Dix
Courtesy of the State Archives of North Carolina

soldiers became patients at the hospital, where they were treated for stress symptoms related to warfare. In 1865, shortly after the Confederate surrender, U.S. commanders required doctors to treat newly freed African Americans. The first Black patient was a Wake County man named Isaac who had served with the United States Colored Troops. Fewer than fifty African Americans were admitted to Dix Hospital between 1856 and 1965, when the hospital was desegregated. Some people of color worked in Dix Hospital before its official integration, but the staff was predominantly white.

During the Civil War, nursing greatly expanded to care for injured soldiers, and became one of the few professions opened to women. In 1902, a School of Nursing was established at Dix Hospital. It operated until 1949.

As the hospital grew, it developed as 'a community unto itself.' 'Dix Hill' had its own water supply, bakery, smokehouse, icehouse, boiler system, and a farm that supplied much of the food that the hospital community consumed. By the mid-1970s,

more than 2,700 patients lived at Dix Hospital and nearly 1,300 employees worked there. The hospital and its related facilities occupied 282 buildings on 2,354 acres of land.

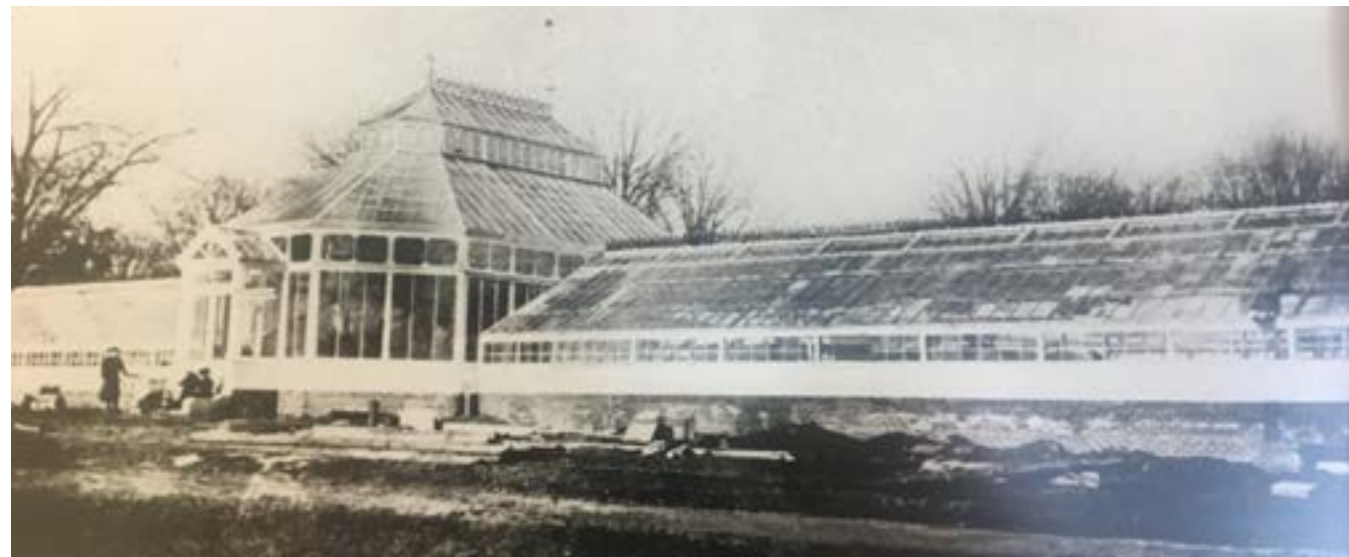
People who were patients at the hospital worked, usually without pay, on the farm and grounds and in the kitchens and laundry. This work helped sustain hospital operations and provided financial benefit to the hospital operators. It was also framed as therapeutic. In the 1970s, reformers challenged unpaid work arrangements at institutions like Dix Hospital, and new federal laws required that working patients “be paid with the minimum wage and other provisions of the Fair Labor Standards Act.” By the mid-70s, most work programs at Dix Hospital had ceased.

For many people who lived in and near Raleigh, Dix Hospital was their workplace. People held jobs as physicians, pharmacists, nurses, janitors, groundskeepers, facilities technicians, housekeeping staff, security and administrators. Generations of family members worked at Dix Hospital and lived on campus. Former staff often describe their

coworkers as lifelong friends. Beginning in the 1960s, Dix Hospital had a residency program that brought families from all over the world to Raleigh.

Many of the people admitted to Dix Hospital came there because their families could not provide adequate care for them at home. For some, Dix Hospital became a second home where they could find treatment and some protection from larger societal judgments about mental illness. Those admitted with less restrictive designations participated in a range of daily activities, including group therapy, occupational therapy, work and outdoor recreation. Others were confined to ‘the ward,’ and most of their time was spent in bedrooms and common rooms.

Some people were admitted to Dix Hospital once for a brief time, some spent the majority of their lives there, and some went in and out of the hospital as they navigated changes in their mental health. People moving out of Dix Hospital back into their communities faced big challenges, including dealing with social stigma and finding adequate housing and psychiatric support.



Dix Hospital Greenhouse
Courtesy of the State Archives of North Carolina

Former patients and staff describe Dix Hospital as a more ‘humanized’ mental hospital than some others, a place where they were ‘treated like people’. They remember shared meals, field trips and celebrations like the summertime picnic and the Christmas party.

Dix Hospital had a nondenominational chapel for use by patients, staff, and visitors, a place of peace and comfort for many people who worked and lived on the Hill. Commissioned in 1954, All Faiths Chapel held worship services, weddings, funerals and other gatherings. It is now named in honor of Gregory Poole Jr., who tirelessly advocated that the state hospital site be preserved as a public park.

The hospital also had its own cemetery, where people were buried from 1859 to 1970. The cemetery contains over 900 graves. Over the years, the hospital cemetery fell into disrepair due to neglect and impact from an adjacent landfill. After the landfill closed in 1972, hospital administrators secured grant funds to clean it up. In 1991, local volunteers worked with committed hospital staff to identify 750 patients buried in the cemetery, install name markers and create a memorial wall. Recent research has identified an additional 46 patients buried in unmarked graves.

For many, Dix Hospital was a workplace, a home, and a place of recovery. For some it was also a site of harm. Like other hospitals of the period, Dix Hospital used some treatment methods that would not be considered humane by today’s standards. Patients were subjected to surgical sterilization, ice baths, electric shock therapy, and medications with significant side effects, sometimes without their



A view of the Dix Cemetery today

consent. There are also reports of negligence and abuse at the hospital.

In April 2000, amid a national push to privatize mental health services, the North Carolina General Assembly recommended that Dix Hospital close. Some mental health advocates urged that the hospital be renovated instead. In 2003, the Assembly passed legislation to close Dix Hospital and in 2012 the hospital officially shut down and patients were transferred to other facilities and outpatient programs, or released to live on their own.

For many community members, the hospital closure was a major loss. Former staff and patients and their families describe how recent reforms to the mental health system have led to lack of adequate care and consistent resources for people dealing with mental illness.

Members of the Dix Hospital community point to the cultural stigma around mental illness as a major challenge that must be overcome to improve the lives of those impacted by it. By restoring and adapting elements of the hospital campus in its design, the City of Raleigh and Dix Park Conservancy are working to make Dix Park a place where shared awareness about mental illness and mental health can grow.

Interpretive Themes

Insights gathered through community meetings, surveys and interviews coalesced around **five themes** that cut across these different community histories.

These big themes express how to approach the site, connect its past to its future, and find shared meaning there. They are:

“An interpretive theme helps interpreters affect the audience by providing focus for the audiences’ personal connections.

It articulates a reason or reasons for caring about and for the resource.”

-National Park Service Interpretation Guide

1

Community Histories / Common History

The Dix site is a space where different community histories intertwine. Visitors are likely to be most impacted by these histories when they connect with specific stories and storytellers and find something personal in what they encounter.

This will require creating and protecting spaces in the park for particular communities where they will feel comfortable and can share their stories. It will also mean creating places where different community stories intersect and resonate, providing opportunities to enter into dialogue and expand shared understanding.

2

From Erasure to Presence

Many people have ancestral and familial connections to the Dix site that have not been preserved in the historical record or on the site grounds. There has been destruction of archeological materials connecting Native American communities to places in the area, as well as destruction of the keepsakes and genealogical records of African Americans during and after slavery. Insufficient preservation of the patient cemetery at Dix Hospital is another example of this erasure.

Today, there is a pressing need for places in the park where personal remembrance and shared reflection can happen.

These should be engaging spaces and landmarks with presence, where once-buried histories can be connected to what is meaningful for communities in Raleigh today.

3

Care

People living and working at the Dix site have experienced different kinds of systemic harm. This has included the enslavement of African Americans at Spring Hill plantation, the violent displacement of Native American communities from their homelands in the area, and medical practices considered inhumane today.

These harms have existed alongside traditions of care at the site. For instance, the hospital was a place where many people were treated in ways that fundamentally helped them. The land itself has also been subject to both care and harm over time — cultivation and stewardship as well as extraction and pollution.

Addressing this history at the park will take a number of forms that prioritize care, ranging from concerted environmental restoration initiatives to making spaces in the park where visitors have opportunities to acknowledge past harm and contribute to a better future.

4

Real Inclusion

By listening to and centering the perspectives of people who have been marginalized and excluded, the park can be a site of real inclusion where all are welcome and feel cared for.

Part of this work involves raising community awareness about mental health history, including how prejudicial understandings of race, gender and sexuality have shaped treatment at hospitals like Dix Hospital, and how the right to self-representation has been taken from people diagnosed with mental illness over time. It also means engaging with a history of exclusion that has made public spaces like parks in Raleigh less accessible and safe for some groups of people.

Through collaborative planning and community-informed design, the City and Conservancy will continue their work of building a park for all. This begins with incorporating the ways visitors already use this space, and working to connect with people who don't yet visit the park.

5

Restorative Nature

A reciprocal relationship of care between people and the natural world can be cultivated and celebrated at Dix Park.

Throughout its history, despite many projects of environmental extraction and degradation, this theme of caring for the land and finding healing and support in the natural world endures.

The park can draw on these traditions of environmental stewardship to restore the biodiversity of the site and expand natural areas where visitors may experience the restorative power of nature.

Places & Traces

An array of interpretive resources exist to tell the site's community stories.

These include tangible resources like artifacts and historical documents, and less tangible resources like oral histories shared by people connected to the site.

For many park visitors, the most compelling resource will be the site itself – places in the park where traces of events and narratives remain, or can be brought to light.

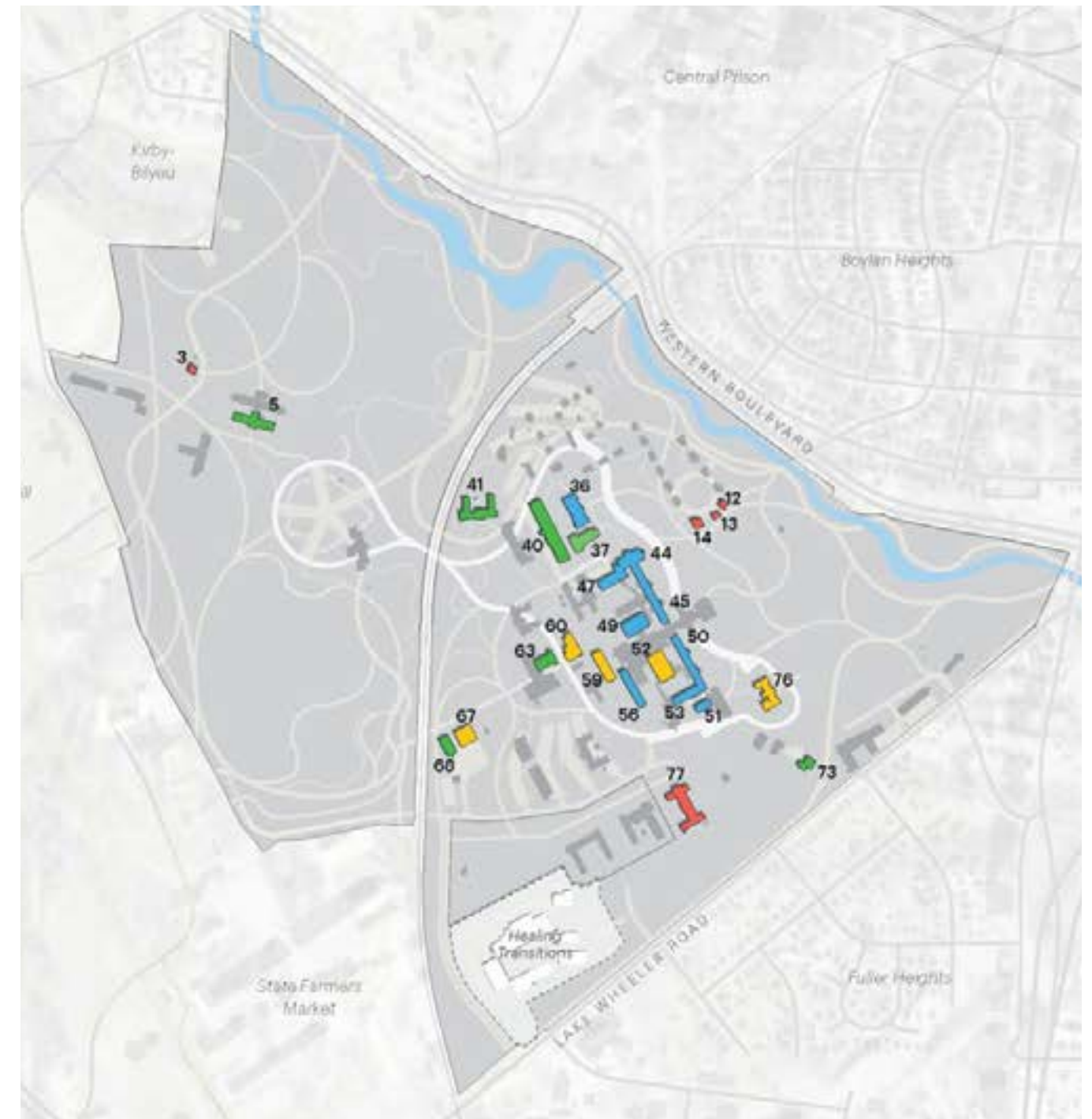
Buildings and Redevelopment

Site interpretation at Dix Park presents challenges. Buildings, burial sites, agricultural sites, and archeological findings have been plowed under and built over, effacing dimensions of the site's past. Buildings from the hospital era loom large today, but many of these will be removed as the park is built out. (*For example, in the next twelve months the staff family housing will be no more visible than the barns where staff and patients once worked.*) Those that remain will be adapted for new uses with only selected and scattered remnants preserved as evidence of what once was.

The Legacy Committee's 2018 report outlines several ways to honor the site's legacy during redevelopment and securing tenant partnerships:

- Retain or renovate some of the existing space for nonprofits that serve or advocate for people struggling with mental illness, as well as space for support groups that meet to deal with mental health and addiction issues.
- Consider the ideas from the *Lives on the Hill* forum about ways to create employment and training opportunities for people with mental health challenges. Complement this with restaurants and shops that actively support the mission.
- As part of the design for any accommodations on site, include plans for a conference center with a soul. Seek out opportunities to host meetings related to the park's overall mission. Use the facilities for conversations and convenings on topics that fit the mission and theme of the park.

We found in conversations with community members, especially those with ties to the mental health community, that redevelopment plans need to keep in clear view the park's mission as "A Park for Everyone" — spaces that are designed for commercial use need to be welcoming and accessible for all park users.



Building demolition and adaptive reuse plan developed by MVVA, June 2023

KEY	
Grey square	Building to be Demolished
Blue square	Developer Partner
Red square	Conservancy
Yellow square	Cultural Institution
Green square	City of Raleigh

Illuminating Sites through Interpretation

Even as the park begins the transformations outlined in the Master Plan, many physical elements with ties to site history will remain on the site. These present opportunities for both direct interpretation, (signage, tours, exhibits, art topics, etc) and indirect interpretation (restoration, cultivation, space enhancement).

ECOLOGICAL

- 1 Meadow
- 2 Landfill
- 3 Agricultural areas – hospital, plantation
- 4 The creek

NATIVE AMERICAN

- 5 The creek and overlook, which were likely important sites for Native tribes as they hunted and cultivated crops in the area

PLANTATION

- 6 The view to the plantation house and possible locations of where enslaved people lived
- 7 The property boundaries of Spring Hill plantation and Grimesland

HOSPITAL/ SLAVERY

- 8 Hospital foundations built by enslaved people

HOSPITAL/ MENTAL HEALTH

- 9 The former hospital patient park, where time in nature was integrated into mental health treatment
- 10 The site of the former hospital greenhouse and gazebo

HOSPITAL/ COMMUNITY

- 11 The Dix Farm site
- 12 The railroad tracks, which connect the site to trade and municipal planning
- 13 The hospital campus buildings, especially Spruill, Kirby, Royster, Harvey, the old boiler room and stone houses
- 14 Patient cemetery

CIVIL WAR ERA

- 15 Boulder with markings believed to have been made by Union soldiers
- 16 The portion of the military earthwork that runs through the site, built by enslaved people



Restoring & Creating Spaces

Historically-sensitive restoration of the landscape, as outlined in the Master Plan, will be essential in surfacing the site's buried histories. This will include restoring the creek and fertile soil that drew Native people, and later colonists and mental health reformers to this site. It will also include continued restoration of the hospital cemetery, where many people treated at Dix Hospital were laid to rest.

To support the goals of the CIP, **the park will also need new places and markers in the landscape** that invite visitors to reflect on the site's complex history. This will include new gathering places that center community histories of the site, including a Native American performance and storytelling circle and a Descendant pavilion. It will also include elements that draw on the tradition of restorative nature, including gardens and orchards. These and other place-making initiatives are explored in detail in the Ways to Tell Stories and Implementing Key Projects sections.

By weaving together recorded stories, existing artifacts and site records, interpretation can create opportunities for park visitors to reconnect with the site and stories that have been lost over time.



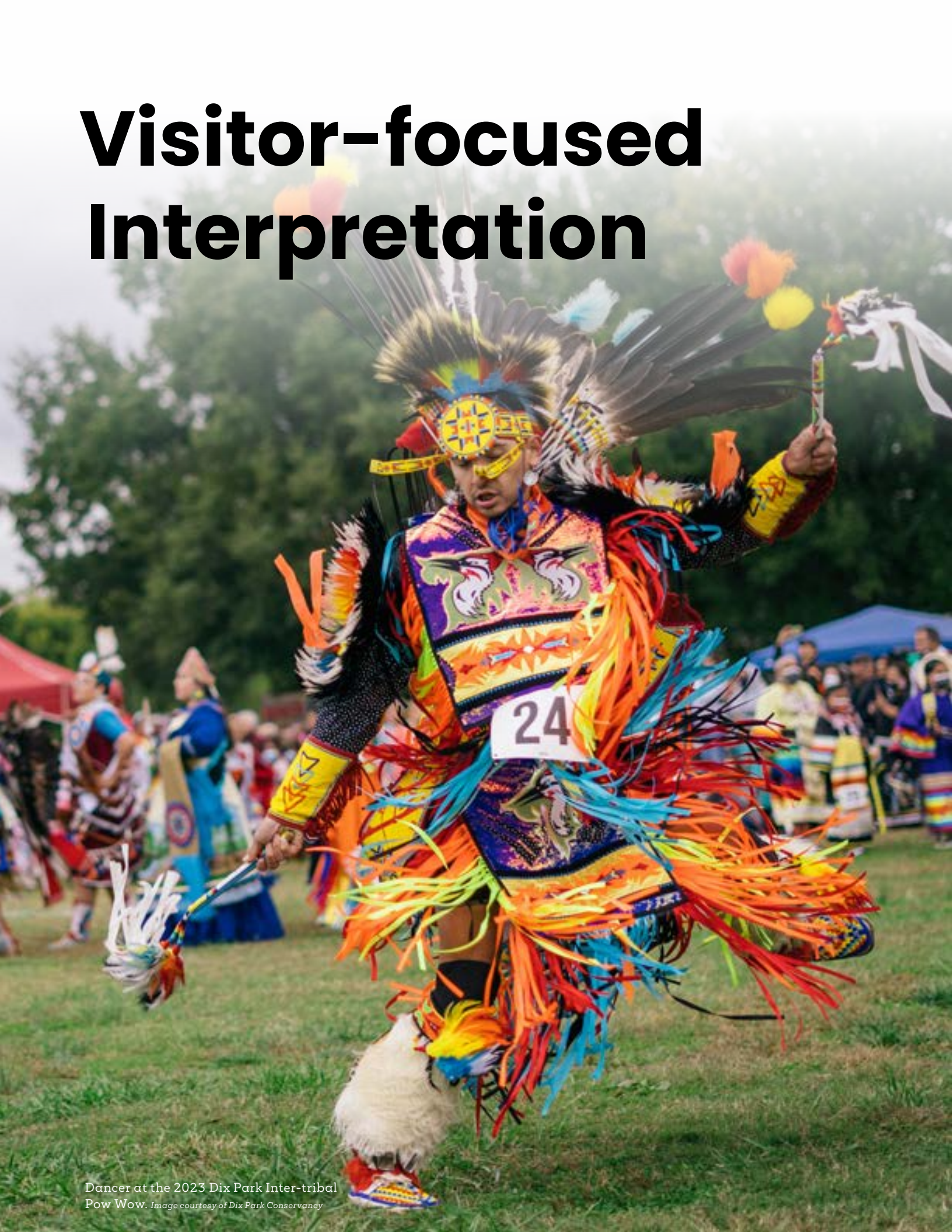
4.

Strategies for Interpretation

The Park site holds big and small stories—far-reaching histories of community struggle and care that extend out into the city and the region, and personal anecdotes and accounts that bring these histories to life.

This section explores how to tell these complex stories and offers more general strategies for inclusive interpretation as well as recommendations for specific storytelling media.

Visitor-focused Interpretation



Most park visitors won't come looking for a history lesson. But they may accept an invitation to learn about a story that resonates with them, especially **if they feel welcome** and at ease in the environment.

It's important to recognize that **community relationships and trust are built over time**. Interpretive goals for first-time visitors may simply be to spark curiosity about the site and its stories, encouraging them to come back to learn more.

In all of its interactions with visitors, **the park should communicate its values of care and inclusivity**. This will include acknowledging that park visitors hold a wide spectrum of feelings and perspectives on shared history, and designing interpretation to welcome and reflect that spectrum.

Guidelines for Telling Complex History at Dix Park

The following pages feature some general principles to guide the park as it shares site history with visitors, along with concrete examples.

Make room for a range of perspectives on the same place, event or time period, while also grounding these perspectives in historical evidence.

Examples:

While from the perspective of the Euro-American property system there have been various owners of the land that is now Dix Park, it is also true that the site has been Native American land for centuries, and continues to be Native land today.

“Even though Native Americans don’t view land ownership in the same way as European capitalism does, we should still acknowledge tribal groups as stewards of the land.”

—Community Member

At Dix Hospital, many of the staff understood their purpose as delivering care and protection to those with mental illness and took pride in their work. Many patients experienced this treatment as helpful. But people also describe experiences at the hospital that ranged from counterproductive to damaging. All of this is part of the Dix Hospital story.

“There has to be space to recognize that treatment practices have changed over time and things done in the past were not what we would do today. Many people were doing their best, but many also did not challenge practices that they could have.” —Dix Hospital Alum

The history of this site is complex, and it's okay for interpretation to present this complexity.

Examples:

On the farm, the grounds, and in the kitchens and laundry, patients worked on the Dix Hospital campus, usually without pay. This work helped sustain hospital operations and provided financial benefit to hospital operators. In the early days, staff framed this work as therapeutic. Beginning in the 1960s, however, healthcare and labor reformers argued that the work of patients at institutions like Dix Hospital was exploitative, and it was outlawed in the 1970s.

From the existing records, it seems that patients also had a range of perspectives on their work at Dix Hospital. Some people liked working, seeing it as a chance to do something more active than sitting on the ward. Others found the jobs boring or arduous, and wished they could work less, receive more in return, or participate in more educational and recreational activities instead.



Lima beans being grown on Dix Hill in 1940.
Image courtesy of State Archives of North Carolina

Wherever possible, encourage people to speak for themselves, from their own perspective, rather than having others speak on their behalf.

When telling more general history, identify who community members recognize as their storytellers, and consult these people first. But don't assume that anyone is speaking for their whole community. Every community includes a range of perspectives.

Oral histories, archival records, and interviews with community members and elders are resources for telling more individual stories, but privacy must be respected and permission granted when drawing from these sources.

Connection is a powerful way to learn. Create opportunities for connection to the experiences of others across time and space through the sharing of personal stories and perspectives.

Example:

“I would love for there to be a space to acknowledge the women who were institutionalized for mood disorders (like postpartum, depression, psychosis, etc..). As a survivor of PPD, there is a sense of solidarity, quiet, and more in inhabiting the same spaces [with] women who were like me.” —Community Member

When incorporating community voices into history-telling at the park, use care to protect the authors and subjects of these stories.

Always get consent from these parties, or their representatives if they are not living. Consider whether sharing a story is likely to cause harm to living individuals and do not share in a way that identifies particular people if it will. (For more information, see the Oral History Guidelines section.)

Acknowledgement of past harm is an important part of community history-telling. If the City is speaking, take a matter-of-fact approach to presenting histories of harm.

Warn visitors when exhibits contain sensitive topics or depictions of harm at installation and exhibition entrances.

Show what happened, using a range of mediums (signage, historical images, etc) rather than telling people what they should think or feel about what happened.

Example:

The families of enslaved people were torn apart as they were trafficked and sold by people who enslaved them. The Hunter family wills describe in plain language how people were bought and sold, husbands and wives were separated, and children were taken from their parents.



Theophilus Hunter's will describing the division of his property and the individuals he enslaved upon his death in 1798. Courtesy of the State Archives of North Carolina.

Community history-telling is more than the acknowledgement of harm and suffering. Tell the longer stories of community life.

“It is important to show how marginalized communities harnessed social movements and policies to promote their own self-determination.” —Cultural Historian

“[Our community] has sustained itself not because we had any Rockefellers sustaining us. We did that ourselves. How have we survived? The history of the University of North Carolina at Pembroke tells that story. No one gave us that money to start that little literacy school. Now it is one of the top schools where we have cared for each other and raised each other’s children.”

—Community Member

“With regard to Dix Hospital, interpretation should be people-driven, not institution-driven. Show that people had full lives outside of Dix; their lives were not defined by being at Dix. There’s so much more to these people than the fact that they had a mental illness.”

—Dix Hospital Alum



Dix Hospital staff at a gathering in the 1960s

Center those histories and communities that have historically received the least investment, inquiry and protection in public contexts.

Just because a particular community’s story is less legible in the historical record does not mean that this community was actually less present at the site, or has less to share about the experiences of their members and ancestors today. Look out for the emergence of community histories at the site that haven’t yet been identified, and fold them into the park’s history as they emerge.

Examples:

Native American patients were treated at the hospital, and Lumbee and Coharie people are buried in the hospital cemetery, but Native ancestry was often not noted in the hospital records and many gravesites were not marked. The stories of Native American patients are part of the history of Dix hospital, and there is still work to do to uncover this history.

“African Americans had a major role in the development of Raleigh and I think it’s important that this is recognized. [...] African Americans contributed during slavery and after slavery all the way up to the present. That needs to be part of the program or museum or whatever gets decided [in the park].” —Community member and Hunter descendant

“I’d like the park to include the history of staff at the hospital who were not doctors—nurses, janitors, people who lived in the community and actually had a connection. When we talk about history, we talk about the ‘important people,’ but not the people who did the everyday jobs.” —Raleigh Historian

Foreground the humanity of all people as complex beings, not just as heroes or villains.

Example:

Dorothea Dix has a complicated legacy. She was a fearless advocate for improvements in mental health care, fighting for the development of more humane approaches to mental illness at institutions like Dix Hospital. She was a teacher, writer, and became Superintendent of Nurses, a role in which she fought for professional opportunities for women. Dorothea Dix also held discriminatory beliefs about how race should determine the treatment of those with mental illness, and she did not support an end to slavery.



Portrait of Dorothea Dix.
Courtesy of the State Archives of North Carolina

“Dorothea Dix had a complicated relationship with race. [...] She claimed to be opposed to slavery, but she detested the abolitionist movement of the antebellum period. Dix consistently viewed Black people as an inferior race incapable of moral responsibility, and therefore incapable of being afflicted by mental illness, so she did not make provisions for them in her work in creating mental health hospitals.”

—Madison Phillips, ‘Dorothea Dix and Race’

Connect site history to what is meaningful and important for community members today, and create a safe-enough context for ongoing conversation and exploration.

Examples:

“The better job we do of presenting and explaining the plantation history of the site, the more we will encourage people to do their research. People will want to know if they are part of the land. It would be great to collaborate with [one of the colleges or the state archives] so that people could research their family history.” —Community Researcher and Hunter Descendant

Dorothea Dix Hospital was a state hospital that served Wake County and the southeast region of the state in part, but it was also home to units and programs that served the entire state such as the forensic unit, surgical unit, certain youth programs etc. These units were funded separately from the other units that existed at all the state hospitals. In many ways Dorothea Dix Hospital was considered the flagship of North Carolina’s state hospitals. It was the first and had the most treatment, research and training programs. Administration and staff interacted with North Carolina’s Department of Health and Human Services and legislature more closely and frequently than the other state hospitals because of proximity to state government in the capital city. The effect of the hospital’s closure wasn’t limited to Wake County or the region. It exemplified the shortcomings of North Carolina’s mental health system, and the mental health community across the state felt its impact.

The closure of Dix Hospital continues to affect the community. Many have expressed disappointment that the hospital shut down when there was a great need for mental healthcare in Raleigh, and a sense of betrayal that community-provided mental health services have fallen short of initial promises. Community members describe a current lack of adequate resources for Raleighites struggling with mental illness. While Dix Park cannot provide this needed service, it can be a place where the community comes together to talk about what people can do to support one another moving forward.

A Note on Language

Words matter, and it's important to name places, people and groups in ways that are sensitive to context and history and align with how people would name themselves. Over time, names of sites and communities evolve with changes in the vernacular and shifts in public conversation. One example is the name of the hospital:

At its founding in 1850, the hospital was officially called the North Carolina Hospital for the Insane and unofficially called Dix Hill. On early maps, it is also referred to as the Lunatic Asylum. The hospital's name then changed in 1899 to the State Hospital at Raleigh, and to Dorothea Dix Hospital in 1959. Today, most people call it Dix Hospital.

In general, the best approach when developing park language is to check in with members of the community about what terms they use to describe themselves and places and events connected to their histories (sometimes, as with Dix Hospital, a place may have more than one name at a time).

In addition, when talking about people, a good rule of thumb is to describe them as people in xx situation/position or with xx condition. For example: 'people who were treated at Dix Hospital' or 'a person with schizophrenia.'

Demetrius Hunter, who worked on the Dix Hospital campus and is a descendant of people enslaved at the site, notes the following:

"I like to use the term enslaved because it identifies who we were."

We weren't slaves. We were enslaved through enslavers that put us into slavery.

Saying 'people who were enslaved,' for me, helps me to understand my history."

Strategies for Real Inclusion

Finding compelling and sensitive ways to tell the site's stories should be paired with several more general strategies for establishing and sustaining inclusivity in the park's interpretation.

Include members of affected communities in planning and review of messaging and design elements

- For each project or initiative, park staff should assemble a stakeholder group to provide feedback and advice throughout the process.
- Leverage the Legacy and Community Committees as starting points for these groups—they are already engaged, committed and aware of the site's history.
- Ensure that groups have members that bring a number of different perspectives. One Native American person, for instance, should not be asked to speak for the Native American community in general.
- Make these meetings inviting and accessible.
- Acknowledge that this engagement process may be time consuming, and give people ample advance notice to participate.
- Offer meeting time options that align with a range of work schedules, and snacks and childcare during meetings if they are held in person.
- Maintain relationships with advisory members after the completion of design projects.
- Maintaining these connections through check-ins, updates, or alumni events will grow the community of people who care about the park and strengthen the community input on future projects.

Update the Dix Park Land Acknowledgement

- This acknowledgment should be on welcome signage and the park website.
- It is important to frame this document as Dix Park/City of Raleigh's land acknowledgement, not the voice of Raleigh's Native American community. More work will be needed to develop and incorporate a Native land acknowledgement if Native American community members in Raleigh want this.

Be sensitive and responsive to visitor concerns about risk and safety

- Create opportunities for public conversation about what will make the park feel safe for those who have experienced patterns of discrimination, exclusion or threat. One community member advises:

"Make sure the homeless are not harmed as the park develops. Can there be programs that serve that population and include resources for them to get connected with people who can treat them with the dignity and respect that the [Dix Hospital] staff had?"

Reduce physical, language and financial barriers to accessing the park, engaging with interpretive elements, and participating in interpretive programs

- Provide interpretive materials in English and Spanish initially and offer alternative ways of accessing information like braille and audio.
- Video is one of the most versatile tools the park can use to make information more accessible—audio on videos help people with low vision, subtitles help people with hearing loss, and video visuals with the audio helps people at a range of reading levels.
- Ensure that accommodations and information for people with disabilities are easily accessed without people having to ask a staff member for them. For example, have ASL interpreters at events and information displayed about which park paths can be navigated in a wheelchair.

"Green space is so therapeutic, [but] it has to be about accessibility too. If you can't get to the park, then it doesn't help. Once there, it's important to have a sense of security in terms of lighting, transportation, things like that." —Mental Health Practitioner

- Consult with mental health experts to design spaces that can be enjoyed by people navigating a range of mental health challenges and sensory sensitivities.

"Have design and play areas for children that have disabilities and autism. Some of our mental health advocates like to do things with water, and with sand [...] Just be mindful—mental health is not a one stop shop, you can't put everyone in one basket."

—Mental Health Advocate

- Seek out partnerships and funding opportunities that expand the Park's roster of free and affordable programming.
- One idea from the community workshop: free community meals accompanied by presentations or exhibits about the site's history

Engaging visitors: Ways to Tell Stories

“Storytelling is a powerful tool for building awareness and understanding. It creates a bridge between the teller and the listener that fosters empathy and promotes healing.”

— Legacy Committee Report, 2018

There are many ways to tell stories. Given the diversity of park visitors and the range of their interests, the park will continue to build out an interpretive program that incorporates a mix of media and communication approaches. These include:

- Traditional Interpretive Signs**
- Tours**
- Visitor Centers**
- Art that Addresses Site History**
- Memorials**
- Museum Exhibitions**
- Park Programs**
- Restoration Projects**
- Exhibits in the Landscape**

Traditional Interpretive Signs

- When used purposefully, well-placed and well-designed signs can be very effective. Visitors expect them and many will pause to read them. The advantage for the park is that once a unifying signage system has been approved, interpretive signs can be designed and installed one at a time or in batches as funding permits.
- Currently there are nine interpretive signs in the park to give visitors general information about the site's history. The graphic design is similar but the interpretive approach varies. Some speak to a specific place and recent activity there (Dix Hospital Cemetery) while others give a broad brush account of what once was (Land Rooted in Agriculture.) The signs are collected in a virtual exhibit online, and the chronological flow of the information and design consistency are most apparent there. Dispersed across the 308 acre park, mostly without clearly marked or accessible paths between them, visitors are unlikely to encounter more than one of them on any visit.
- Adding “Head-of-Trails” Welcome Kiosks in parking lots and at major pedestrian entries is a first step to introduce visitors, most of whom arrive by car, to the significance and history of the site.
- Signs for the loop trails should be prioritized after general signage to support an elemental self-guided tour. The project might start with one tour, one script, and design of one signage system, with options to add content via QR code from the website. Where possible loops should integrate existing interpretive signage.
- Signs are particularly useful for interpreting something that is right in front of you. The park should create ecology-based signage to explain the creek restoration, landfill remediation, invasive species removal, and replanting initiatives.



QR codes on signs can link to online exhibitions with additional photos, video, and audio, or interactive elements like augmented reality simulations.



A “Head-of-Trails” Welcome Kiosk at Cyloburn Arboretum

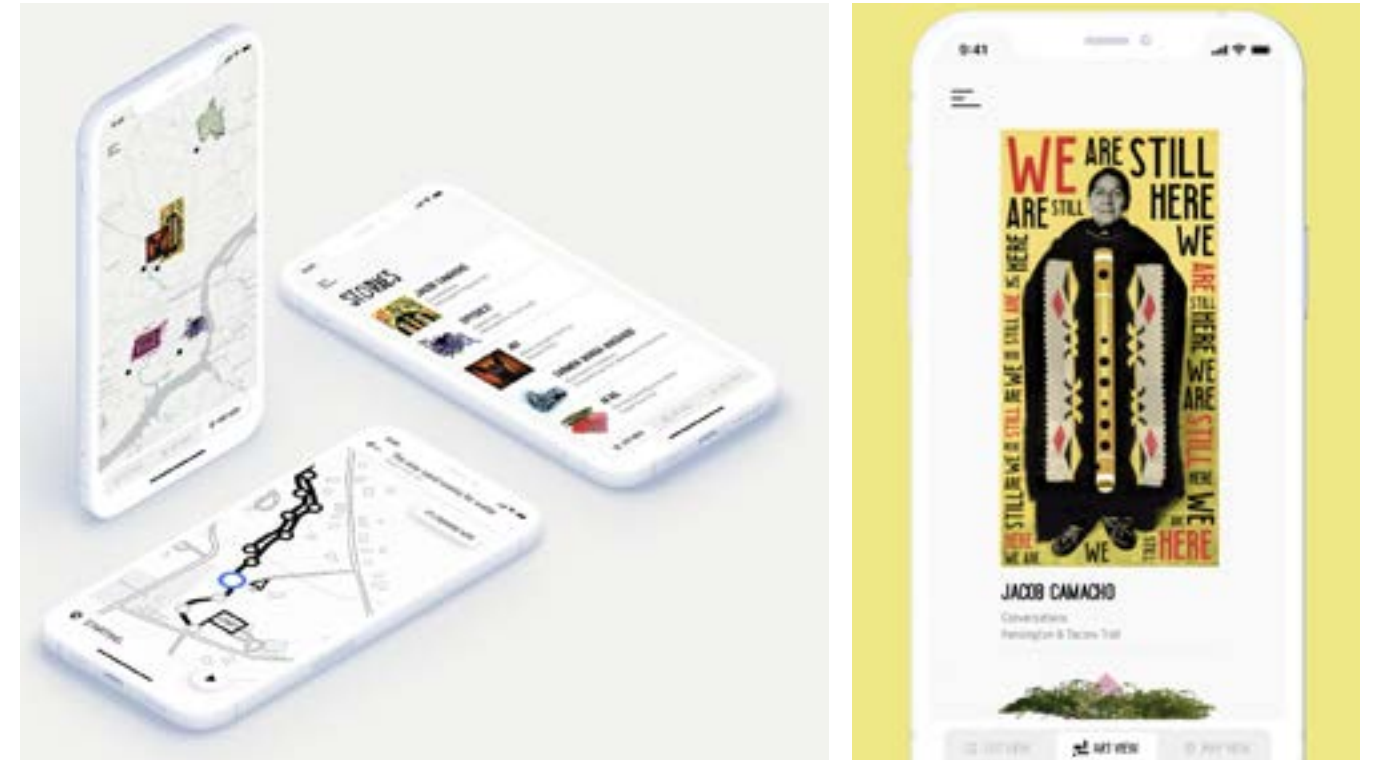


Signs are particularly useful when interpreting an element in view.

Tours

Guided tours

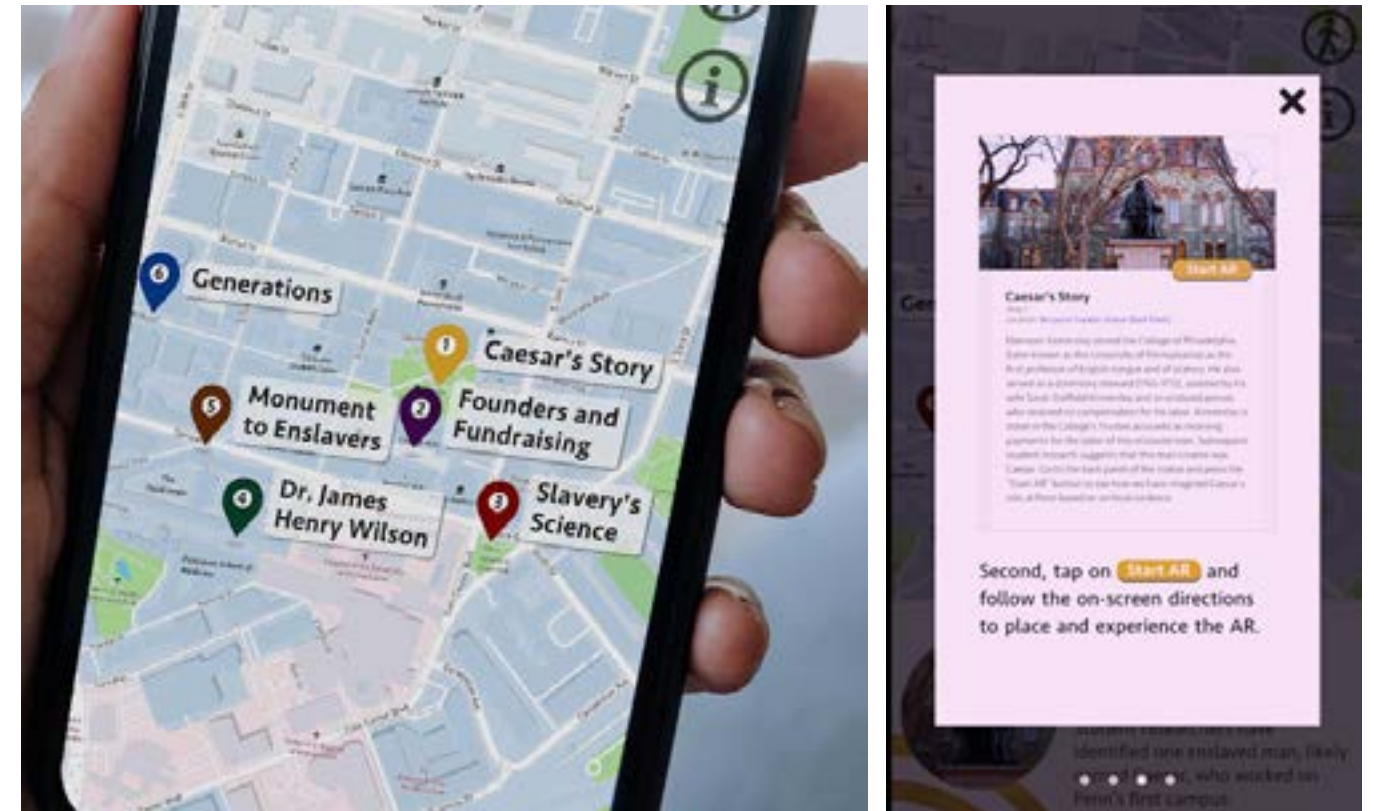
- Visitors of all ages appreciate interaction with engaging and knowledgeable park staff, but for sites without a large staff or volunteer cohort to lead them, tour options and times are often very limited.
- Creating scripts for the loop tours and testing them with visitors can be a first step in developing self-guided options in audio and digital formats. Dedicated staff or volunteer historians and educators will be needed to research, write, lead and refine tours.



TrailOff is an audio storytelling app. Each story is tied to a specific trail and location. Users can explore maps showing the story locations, and when they arrive on-site, augmented reality features enhance their experience as they listen.

Self-guided tours

- With such a diversity of park users—their interests, reasons for visiting, length and timing of visits—self-guided, on-demand options will be essential to providing choices and flexibility for learning about the site.
- Tours stored on the website can incorporate narration, images, oral histories and video segments. These might be accessed via QR codes at specific points at the park or launched as a continuous experience tied to each loop trail.
- Visitor feedback on guided tours will inform decisions about the content and format for the first self-guided tours. In addition to content developed by park staff, the “library” of choices may include community and artist-led works.



The Penn and Slavery Project is a self-guided tour that integrates photos and historical data tied to specific sites on campus. Augmented reality features give participants ways to create and contribute to conversations about race.

Visitor Centers

- For visitors wanting to plan their visit once they arrive on site, the new visitor center in the Gatekeeper's Cottage offers an overview of the site history, information about what to do in the park, an opportunity to talk with a well-informed staff member, and outdoor gathering and teaching space for groups. However, several physical factors about the building and its site will limit the number of visitors who avail themselves of the resources:
 - › The building is not adjacent to a vehicular entrance.
 - › There is vehicular access but the drop-off space will not accommodate a bus drop-off for larger groups.
 - › The historic building is small—too small to hold an entire school class inside
 - › Dix Park is a huge park with multiple entrances. The visitors center will be a destination for some park visitors but it will not be in the path of travel for most of them.
- For future planning it is important to note that a visitor center is not a museum. Visitor centers are great for those looking for information about the park and its offerings, but even large visitor centers are not appropriate locations for exhibitions that delve into complex history. These are better hosted in a museum environment where people come prepared for a serious exploration of sensitive topics.



Interactive map displays are a great way for visitors to explore the site, including historic points of interest



Digital exhibits are more costly to create and maintain than traditional exhibits, but can display more content in a small footprint



A small wall display in the Gatekeeper's cottage gives an introduction of the site history. A more expansive and detailed explanation of site history would be best suited for a separate exhibit space.

Art that Addresses Site History

Artists working with community members can reveal profound truths and create space for cathartic experiences. Projects might include:

- Community co-created public art (projections, digital text, murals, gardens) that gather perspectives and stories from residents
- Artist residencies to support the creation of work that speaks directly to the community histories of the site
- Permanent art (walkways, sculptures, murals, etc.) by artists with roots in the community or connections to the site history
- Programming focused on sharing performances, music, film and multimedia exhibitions related to the site and its history. Because much of this will be impermanent, the park will need to develop its capacity to record and preserve this kind of work.



The Path to Reconciliation by Geanna Dunbar and Brandy Jones is a 300-foot-long and eight-foot-wide footpath mural on pavement rendered in the style of traditional First Nations beadwork. There was strong support at CIP workshops for permanent artwork made by a Native American artist at Dix Park.



Mindful: Exploring Mental Health Through Art, explores the impact that mental illness is having on society, and the role the arts can play to both encourage positive self-expression and guide effective mental health promotion and treatment. Mindful examines creative responses to mental health conditions through the inclusion of artworks made by artists who have been diagnosed with or affected by mental illness.

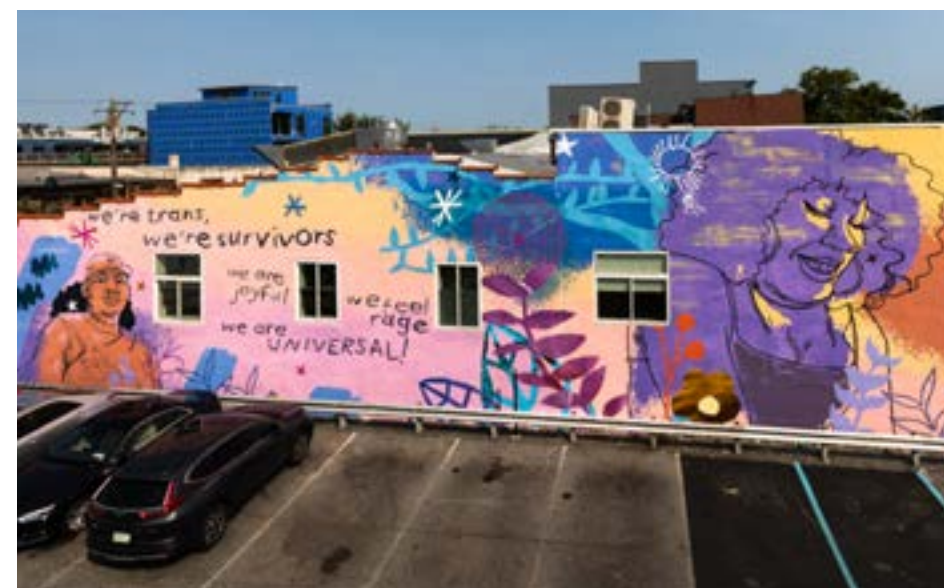
This was a traveling show curated by the Society for Contemporary Craft, 2016.



The Will of the Father was performed at Dix Park in 2019. The piece, produced by Michael S. Williams (The Black On Black Project) and Myra Weise, featured artists Johnny Lee Chapman, III and Anthony Otto Nelson Jr. and highlighted the generations of the enslaved who toiled and tilled the land, and who labored to build the hospital.

CIP workshop participants spoke highly of this performance and its impact. There was strong support for more performance-based art at Dix Park.

Live performance photo by Caroline Cockrell for the Black on Black Project



We Are Universal is a mural celebrating people from the trans, gender non-conforming, and non-binary communities. Artist Kah Yangni featured text created in a workshop with Morris Home residents.

Message- and mission-driven artworks developed in collaboration with the community portrayed could be deployed at Dix Park in the following approaches:

- Permanent:** on buildings after redevelopment
- Semi-permanent:** on buildings that will not be demolished or redeveloped for several years
- Temporary:** on construction fences or as pop-up exhibits

Memorials

- Memorials are opportunities to make a major statement about the values of the park. They require high levels of community support and funding.
- Traditional bronze statues are giving way to new strategies for placemaking, reflection, and participation.
- This plan recommends an approach to memorialization that integrates commemorative elements into gathering spaces where community members can learn and share stories about connections to the site, and the development of memorials within these spaces.
- In the early concept phase, the park should work closely with affected community groups to define aspirations for each space, identify appropriate sites, and integrate these projects into the master site plan.



Memorials with gathering spaces: The Memorial to Enslaved Laborers at UVA provides space for gathering, reflection, and memorialization.



Memorialization beyond statues: The 9/11 Museum & Memorial features quotes and audio recordings from those affected by the attacks.



Participatory: The Rosewood Memorial invites visitors to write a letter or poem to reflect on their experience or share with others.



Reflective: Community members also expressed a strong interest in memorials with quiet, reflective spaces.

Museum Exhibitions

- Previous exhibitions related to the history of the site have included museum exhibits (*From Plantation to Park: the Story of Dix Hill*, 2018 at the City of Raleigh Museum); online presentations of archival materials (*Asylum in the Archive*); and research-focused community events (*Lives on the Hill*, 2016 and *In Plain Site*, 2021).
- To build an exhibition program, the park will need dedicated gallery space in one of the existing buildings with appropriate climate control, lighting, storage, and access.
 - › Part of the space should be used for a permanent exhibition showcasing artifacts, oral histories and photographs related to the site's history and different community histories. The City of Raleigh Historic Resources and Museum staff should be directly involved to provide artifacts and research material.
 - › The gallery should also include space for changing exhibitions and space for related programs and community conversations. Changing exhibitions require ongoing funding and curation, but they are critical to inform and fuel ongoing dialogue about community histories and present-day community issues and initiatives.
- This exhibition space will take time to fund, staff and organize. In the interim, the City will focus on smaller capsule exhibits in the Chapel.
- Partnerships and funding will be as important as space. The City and Conservancy should pursue partnerships with museums, universities, and others with expertise to curate and produce exhibitions. Historic Resources and Museum staff will be key to establishing an exhibition program. As the planning progresses, development staff can help to find funders whose interests align with exhibition plans.
- The City should pursue a multimodal approach to exhibition, using the park website and other online platforms as well as in-person events and programs to connect community members interested in the site's history with historians, artists, community advocates and curators working to interpret the site's stories.



Willard Asylum Suitcases by Jon Crispin is a traveling exhibit featuring belongings left behind by patients at the Willard Asylum in New York.

CIP Workshop participants strongly favored exhibits like this one that emphasize humanity and cultivate empathy for marginalized communities.



File/Life is a traveling exhibit about former residents of The Pennhurst State School and Hospital, an institution for people with intellectual and developmental disabilities.

This exhibit was curated by seven archivists, all people with disabilities and/or family members, including two former Pennhurst residents. Archivists were supported by professional design staff and accessibility consultants to bring their ideas and selections to life.

This model of curation by the community closest to the subject matter could be considered for some exhibits at Dix Park.



Online and temporary exhibits, presentations and programs can allow Park Staff to incrementally build up the research and content needed for permanent exhibits. These smaller-scale efforts can also help build community interest and identify potential collaborators for permanent exhibits.

Park Programs

- Dix Park staff manage a very active, well-balanced program and event schedule that speaks to a range of interests and backgrounds. Many of the events are free or low-cost and many sell out quickly. The park currently works with community groups to schedule and host small gatherings and large events—everything from community yoga and family reunions to the Pow Wow and Juneteenth celebration.
- We recommend that the park use the goals of this CIP to shape new programs and initiatives that explore complex histories and current issues, making explicit connections with the five interpretive themes of the CIP (Community Histories/ Common History, Erasure to Presence, Care, Real Inclusion, and Restorative Nature) where appropriate.
- Mental health is a community priority for new park programs. Although the City of Raleigh was not involved in the closure of Dix Hospital, community members feel that the park has a responsibility to former patients, staff, and families of Dix Hospital who were displaced by the closing of the hospital. Members of this community asked for support ranging from raising awareness about the contemporary crisis in mental health services to direct support for people experiencing a mental health crisis. Partners in this effort might include NAMI, NC State Psychology Department, North Carolina Psychological Association, and recovery communities like Healing Transitions. With city support, the park might provide free meeting and small exhibition space for partners who could develop and deliver the programs.
- As the park becomes more established as a civic landmark and community destination, the demand for gathering spaces and programs will grow beyond the capacity of the current facilities and staff. The City and Conservancy will need to refine priorities, capacity, and budget for programming and the role they will play as producer, sponsor, host, or facilities manager. The park should continue devising partnership and tenant agreements to address levels of commitment and the responsibilities of different parties.



The park currently hosts a wide range of popular programs and events like Falling for Local, pictured above. Image courtesy of Dix Park Conservancy

Ask a Psychologist with Dr. Jaimie Lunsford: "Bipolar Disorder Demystified"

For those who experience bipolar disorder in any of its forms, life can be a shifting kaleidoscope. At different times they might experience empowering creativity and energy, turbulent disorganization and chaos, or crushing despair and anguish. These highs and lows also impact those who know and love them and can be difficult to comprehend from the outside. In this presentation, Dr. Lunsford will share a helpful framework for understanding this complex condition, including: 1) The different forms of bipolar disorder and how they manifest; 2) Four main mood states in bipolar and how they differ from everyday shifts in experience; and 3) How to connect with others and thrive for those with bipolar diagnosis. This session will include real-life examples and time for questions.

Ask a Psychologist with Dr. Kristi Webb, PsyD, Licensed Psychologist "What Makes Change So Hard? (And How to Change Anyway)"

Even when we want to make a change in our life, it can be very hard. Why is that so? Given that we really want something to be different, what gets in the way of our taking the necessary steps? In this session of "Ask a Psychologist", Dr. Kristi Webb will discuss the obstacles to making even those changes we most desire. She will then describe strategies to overcome those obstacles and get the changes we want.

[Click here to watch the video.](#)

Past lecture examples of the North Carolina Psychological Association's "Ask a Psychologist" program

Ecological Restoration Projects

These are programs, infrastructure and interventions focused on fostering sustainable, mutually beneficial relationships between people and the natural world.

- A community orchard would provide connection to nature, nourishment, and this site's agricultural history. Dix Hospital staff and patients remember the orchards located near the Adams building. Consider reestablishing these at the north end of the meadow as a community project.

“Orchards are wonderful and attract pollinators and produce food if enough volunteers can harvest, otherwise the dropped fruit is messy. [...] Choose selections that are resilient and do not require chemicals to maintain. For example, Fig and Persimmons perform well in Raleigh.”—Horticulturalist

- Restoring Rocky Branch will create a natural escape for park visitors, enhance aquatic habitat, and highlight the ecology of the region.
- Caring for existing forestry and plant life in the park includes soil amendment, replanting, thinning, native plant establishment, and invasive plant removal. An up-to-date Tree Inventory will be a critical part of this action plan.

“Coming from the urban forestry perspective, the Dix property is going to be the only remnant woodland area left soon. As large trees have come down in the city, they have not been replanted. Keeping those big old trees is important. That's part of what draws people to the park property, that historical relevance. It could be that kind of landmark, a flagship for Raleigh.”—Local Arborist



A community orchard could be located in the meadow area.



MVVA rendering of the restored Rocky Branch



Workshop participants strongly supported projects that protect and expand the natural areas of the park.

Exhibits in the Landscape

By explaining what is happening or visible on the site now, interpretive elements in the landscape help visitors make the kinds of connections that inspire action. The sunflower field is a brilliant example of this. Other opportunities include:

- Rocky Branch restoration
- Cemetery restoration
- Invasive species removal
- Documenting demolition of hospital buildings and preserving traces in the landscape
- Welcome and orientation
- Loop trails
- Spaces for reflection and gathering
- Community history and storytelling projects

“There is a sense of community that develops when people are caring for something together.”

- Former Dix Hospital Staff Member on the Horticultural Program at the hospital



Activity booklets for children can help them engage with natural elements on the site, teach about restoration efforts, and encourage stewardship.



The building tour at University of Arkansas includes both free-standing signs and small plaques with QR codes at new building entrances to document razed buildings and provide historic information about the buildings.



Diagrams like this one help explain restoration efforts. These can be deployed as permanent signs, temporary displays, or on the park website/social media.



Interpretive information can be deployed during construction on fence banners or as temporary exhibits.

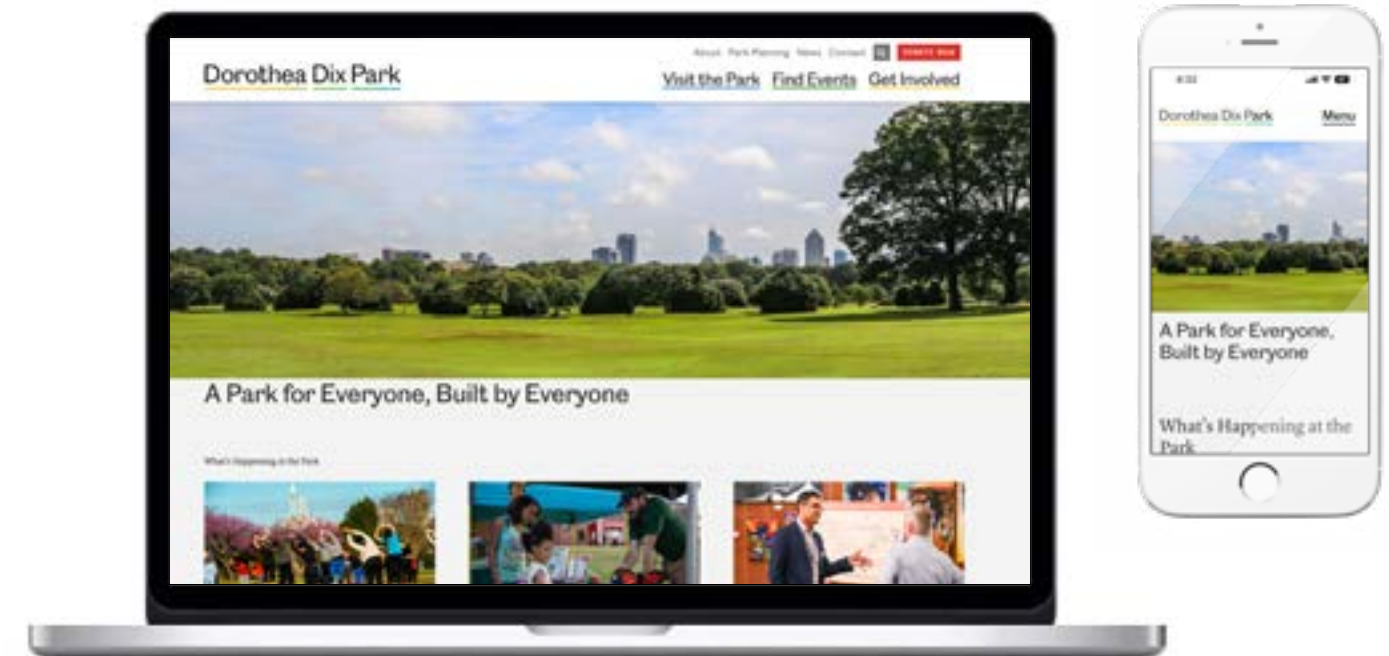
5. Implementing Key Projects

In addition to the active programming and improvements underway, we recommend these signature projects to anchor the visitor experience at Dix Park.

Welcome & Orientation

Starting at virtual and physical entry points, a well-designed navigation system for getting to and moving through the Park.

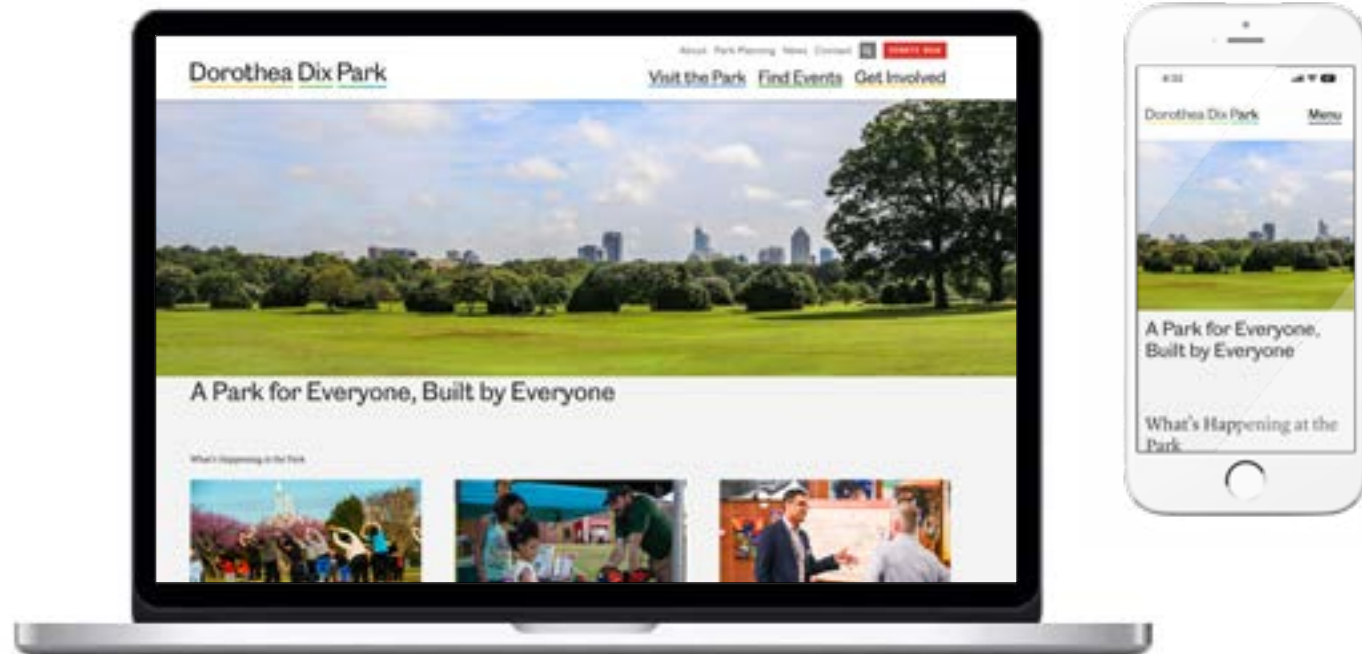
1 Website improvements



2 Entrance & wayfinding sign enhancements



1 Website improvements



A visit to Dix Park is likely to begin with an internet search. A well-designed website is the first opportunity to engage visitors with the site and its stories.

The current website has the right foundational elements, but could use some enhancements to optimize user experience and strengthen the park identity. A thorough audit and refinement of the website through a user experience lens would greatly improve this first touchpoint in the visitor's journey.

Recommendations

Integrate the park's new brand to create a cohesive brand journey for visitors



Current website (previous brand)

Dix Park

A Park For Everyone

Brand Colors

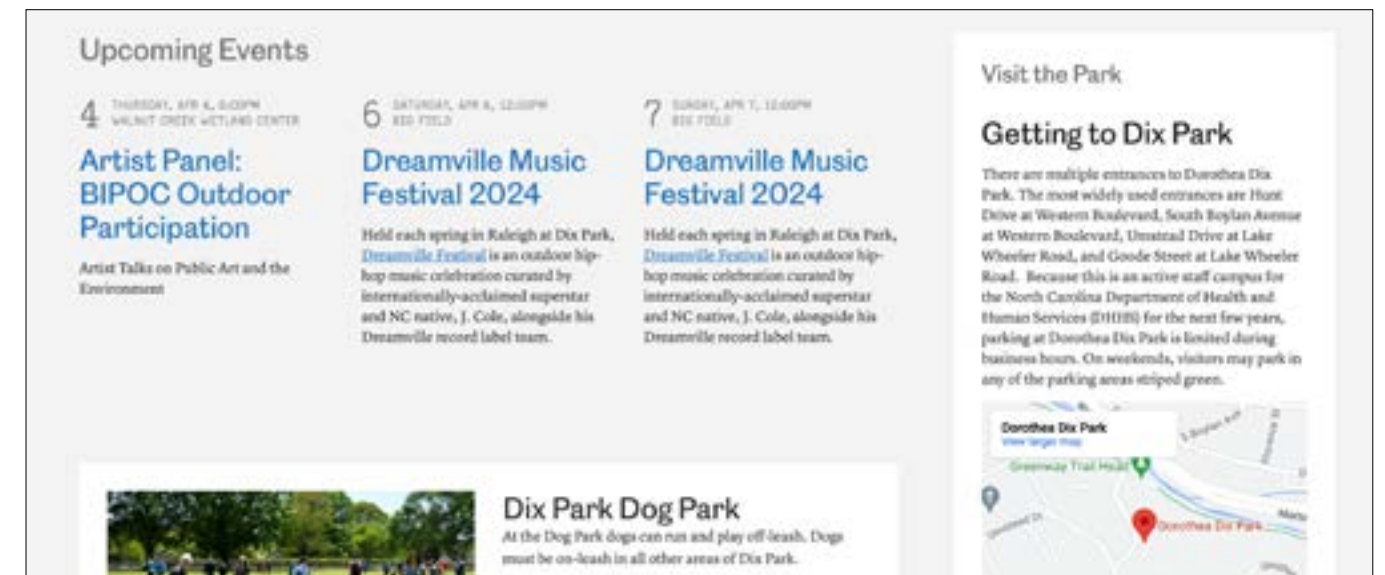


Design Goals:
Build a palette that draws from the City and Conservancy brand colors and incorporates the new Gipson Play Plaza purple.

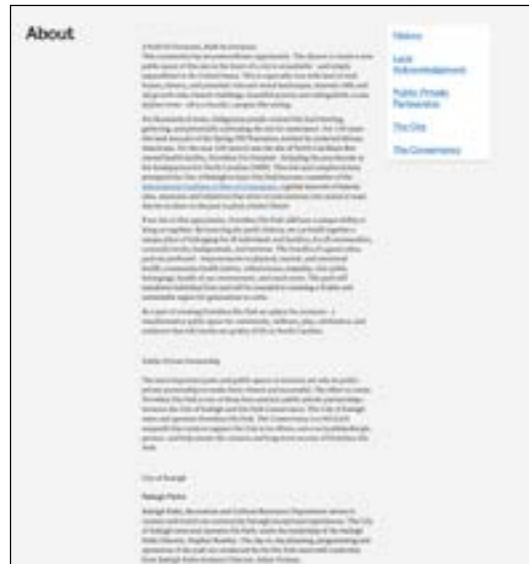
Updated brand

Create a more intuitive linking strategy throughout the site

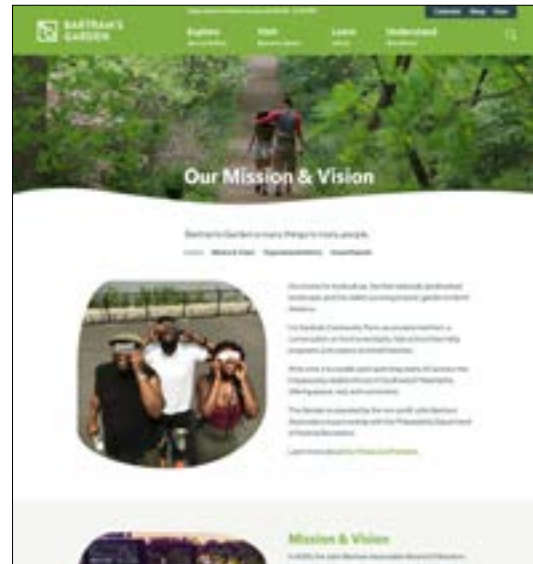
For example, on the home page, the headers "Upcoming events" and "Visit the Park" are not linked to those pages. Specific event pages could have suggestions for "similar events" at the bottom of the page, or allow visitors to more easily navigate back to their event search. Make it easy for people to get the information they want and to stay on the site, encouraging them to keep exploring and learning more.



Enhance the About page and History pages by adding visual hierarchy, color blocked sections, and photos. The History page should give more information about the site history, then invite users to explore more in an online exhibit. The existing virtual signage exhibit is a good starting point and could be adapted for this purpose, with content from the Gatekeeper's cottage added and enhanced with design features to designate sections and sub-topics.

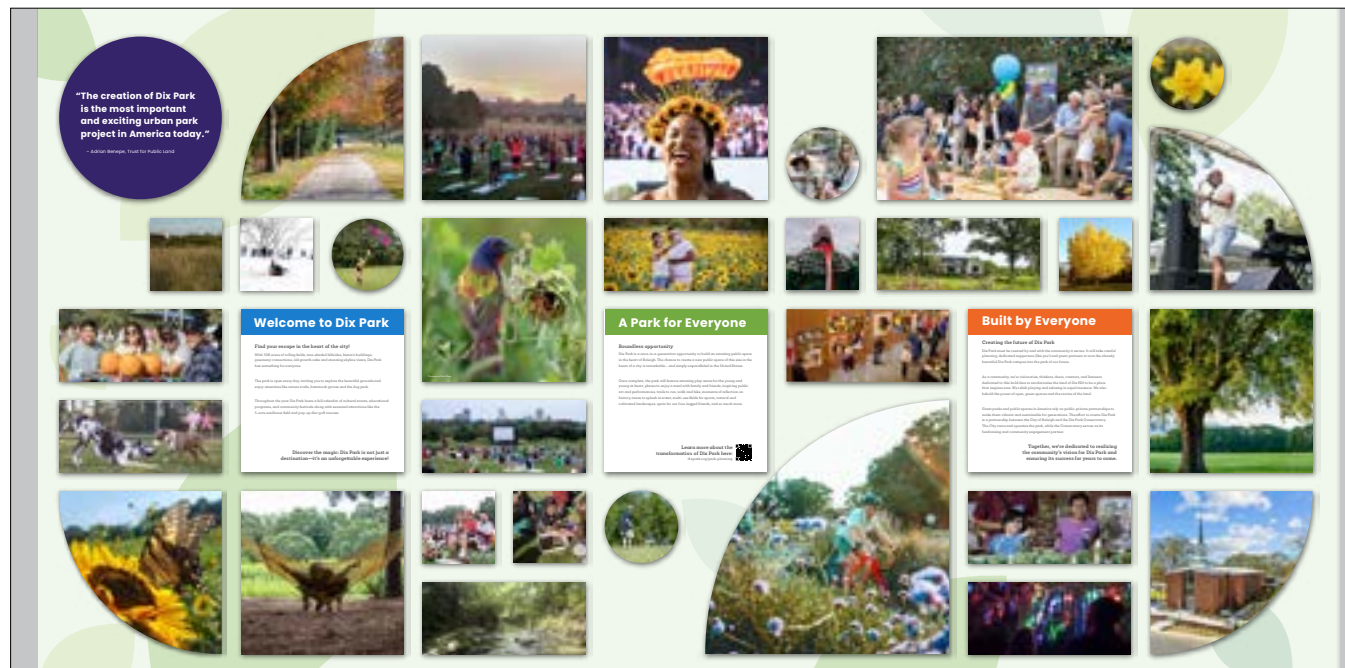


The current About page lacks hierarchy and organization users need to find what they are looking for, and lacks the visual interest to keep them on the page



The Bartram's Garden About page is organized into smaller sections with bolder titles, color and photos.

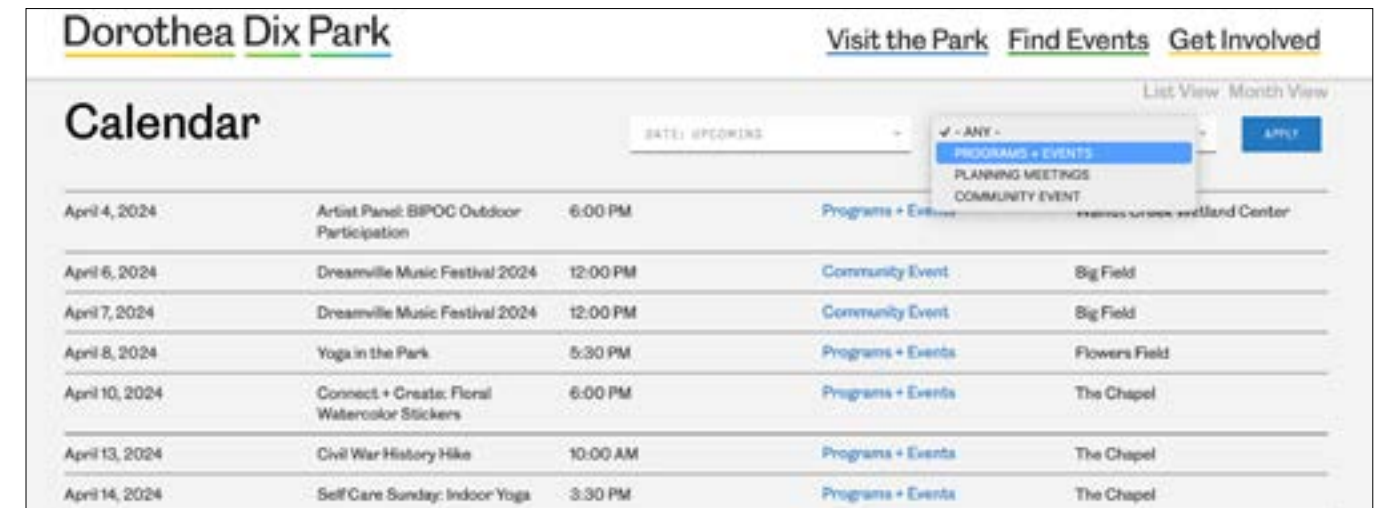
Enhance the landing page with more photos that help people envision themselves in the park, build excitement for visiting, and clearly communicate why Dix Park is special.



The Gatekeeper's cottage entry wall features a fantastic variety of imagery showing different places, people and activities in the park. Adding more of these throughout the site will create a stronger first impression.

Improve navigability on the events page

Currently, the calendar distinguishes between “Programs + Events,” “Planning Meetings,” and “Community Events.” Add a search/filter feature that allows visitors to view types of events, such as kid’s programs, recreation, presentation, music, and art.



Create an interactive Park Map (currently under development)

On the current site map, destinations are listed and located but without information about why they matter or what visitors can do there. By layering this information into an interactive map, the park can encourage visitors to explore the site and reward curiosity. It also allows for more information to be included on this map. Elements like accessible entrances and paths should be a layer that can be toggled on and off.



The interactive map on the Bartram's Gardens website organizes points of interest by type, includes photos, and provides links to pages with more information.

2 Entrance and wayfinding sign enhancements

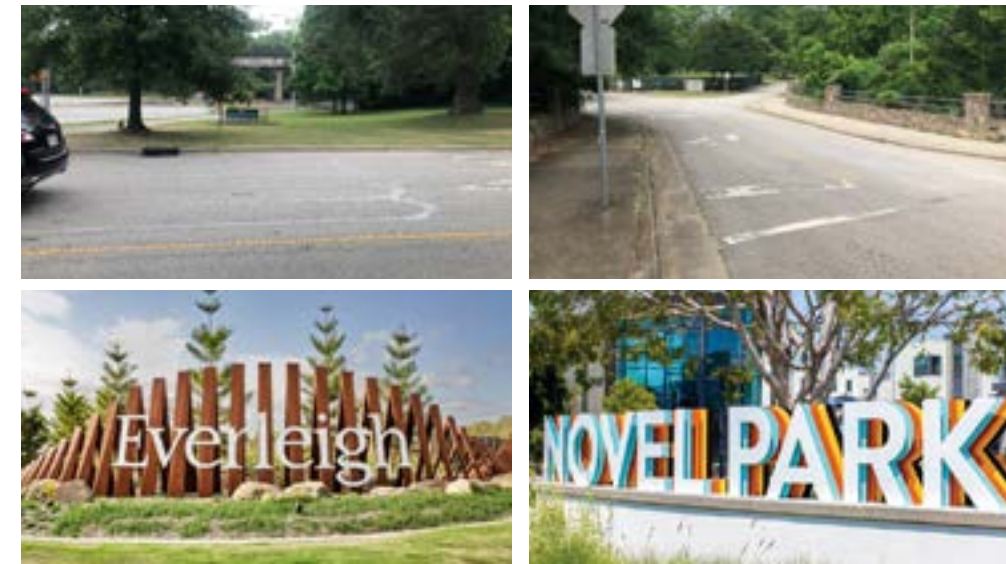


Dix Park needs a well-designed system of signage that welcomes visitors to the park, helps them understand the park, and gives them choices for how to move through the park. The grounds currently have some signs, but a comprehensive wayfinding plan and sign system designed for drivers, bikers, and hikers would help create a more welcoming, informed experience for visitors.

Recommendations

Create more obvious and welcoming entrance signage

Some entrances to the park lack any identification, and signs at other entrances are undersized for the vehicular speed of the adjacent roadway. This means that for many users, the first impression is one of confusion. Appropriately scaled, park-branded signage at entrances will reassure people that they have come to the right place and are welcome. Because the park is host to many evening events, illuminated signs at entrances are strongly encouraged.



The existing signs along Western Ave entrances are significantly underscaled for their environment

Vibrant and properly-scaled entrance signage creates a more welcoming entry

Name, identify and direct to parking lots

The majority of visitors to Dix Park arrive in a car and their first destination is a parking lot. All public lots should be named, mapped, and signed appropriately. Reassured that they are on the right road, visitors can enjoy their first impressions of the park. Lots with parking restrictions (evenings only) should have that posted clearly at the entrance to the lot. Parking Lot signs can also feature “Park here for...” suggestions for major destinations.



Signs can be designed with removable panels (like the sign above right) to accommodate seasonal points of interest.

Parking areas are identified on the map, but not named or marked with signage on-site. Naming lots would also make GPS navigation to parking areas easier for visitors.

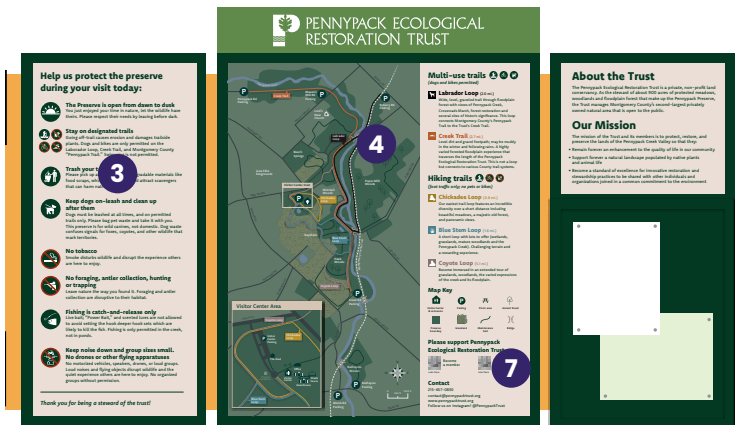
Create Head-of-Trails signage

Head-of-Trails Welcome Kiosk in parking lots and at major pedestrian entries are critical for orienting visitors and communicating essential information about the park. Key features of these signs include:

- 1 Shade and large size for small groups
- 2 Content positioned at a height comfortable to read for standing adults, for reading-aged children and people using wheelchairs
- 3 Park Regulations
- 4 Park Map locating the visitor (You are here) with destinations organized by type. Include QR code and URL the interactive map on the park website.
- 5 Introduction to the park: tag line, brief site history, land acknowledgement, and commitment as a site of conscience. Leverage exhibits at the Gatekeeper's cottage for writing this text.
- 6 Accessibility: ADA accessible building entrances, translated versions of the map (either on the opposite side or online),
- 7 Website and QR code for information about current events, digital tours, accessibility

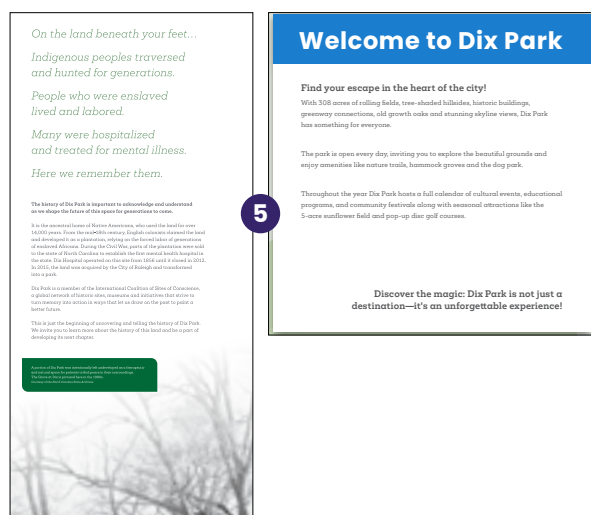
Deploy pedestrian directional signage

Pedestrian directional signs should also be deployed throughout the park, focused on major pedestrian paths and trails. These should include information about accessibility, amenities, distances, and connections at upcoming intersections. Signs should create a “breadcrumb trail” to major destinations, and have properly-scaled, visible identification at the destination.



Considerations for development

- Signs should be highly modular and changeable.
- Use lower-cost materials with the understanding that these signs will change often as the park evolves.
- Strategize implementation of signs to coordinate with construction projects.
- Detail signage with matchplate footings and/or as bandit straps on existing poles so the signs can be reinstalled if they need to be removed for construction.



Loop Trails

Developing interpretation for the four loop trails can be an early win for telling the core histories of the park. Following existing paths and roadways, visitors can learn about the ecology of the site, its history as a hunting ground, plantation, and psychiatric hospital, and how the site is being transformed into a major destination park.

The trails and the interpretation will evolve with the park as the master plan is built out. Interpretation along the loops may start with simple site signage and guided tours, and grow into a suite of self-guided tours linked to a website to incorporate images and audio clips.

The major resources needed will be staff to develop and deliver interpretive content and funding to design and fabricate interpretive elements.

Proposed ADA Improvements and Trails
Fall 2023



- 1** Grove-Creek Loop
- 2** Hospital Loop
- 3** Big Field Loop
- 4** Ecology Loop

1 Grove-Creek Loop



What is it?

This loop encompasses iconic elements of the Dix hospital site: Rocky Branch, the historic entrance and meandering paths through the Oak Grove, the Stone Houses, and the beloved sledding hill.



Primary Stories

Rocky Branch: natural and human communities drawn to fresh water, history of overuse and degradation, and restoration work underway

Native American hunting grounds and early settlements: The creek and overlook, which were both likely important sites for Native tribes as they hunted and cultivated crops in the area

From communal land to private property: Native American custodianship contrasted with plantation era clearing and exploitation of resources

Hospital Site Selection: driven by Dorothea Dix and her therapeutic philosophy

Original entrance and arrival at Dix Hospital: what arriving patients and visitors would have seen of the “Asylum on the Hill”

Oak Grove: restorative role for hospital patients, swing, gazebo, Hammock Grove and Oak Room picnic areas

Sledding Hill: best on snowy days

Stone Houses: past and present uses

Building Dix Park (Work in Progress): Gipson Play Plaza, greenway system, and Rocky Branch restoration

“This is a great opportunity to draw attention to the benefits of greenspace for mental health, stress and anxiety. It would be cool to come up with a nature/ mental health walk that hits the trees, the gardens or historic sites, with benches to sit and think.”

—Community Member & Arborist

Considerations for development

Trail use will need to be coordinated with adjacent construction work, including:

- Rocky Branch creek restoration and greenway
- Oak Grove tree maintenance and restoration
- ADA trail improvements

Accessibility:

ADA accessibility upgrades are underway for part of the trail

Tour formats:

Would work well as a guided tour except that the path is not ADA accessible.

Interpretive signage could be intrusive in this area. For self-guided options, consider creating a brochure available at visitors centers and/or a version of the tour available online. Prioritize adding images and audio segments to the online tour.

2 Hospital Loop



An empty Dix Hospital after closing in 2012.
Image courtesy of Ernest Dollar

What is it?

Walking among the abandoned and repurposed hospital buildings, visitors will meet some of the people who lived and worked at Dix Hospital and find opportunities to learn about the philosophy and evolution of care at the hospital, the buildings that made up the campus, and daily life at Dix Hospital.

Branching off of the loops, there is a walk connecting the chapel to the cemetery—two contemplative spaces tied intimately to the lives of hospital patients and staff.



Primary Stories

Dix Hospital: Dorothea Dix in North Carolina, founding of the hospital, therapeutic philosophy, evolution of campus and care, hospital closing

Plantation and agricultural history of the site: Dix Farm; 'Grimesland' and Spring Hill plantation boundaries

Main Hospital Building and Central Hospital pavilion: Architectural significance, view of Raleigh, existing foundations of the main building built by enslaved people

Union occupation at the end of the Civil War, emancipation, integration and resegregation of patients

Daily life on the Hill for staff and patients, using staff and patient stories to bring significant sites to life, including buildings (Spruill, Kirby, Royster, Harvey, chapel); the old boiler room; stone houses; staff housing (brick houses); and site landmarks like the oak grove, sledding hill, greenhouse site, and cemetery

Hospital economy and infrastructure: creek, railroad, steam plant, farming operations, staff and patient labor

"Tell the story through people, not facts. Festoon the park with chances to meet these different people."

- Raleigh Historian

Considerations for development

Because of the wealth of oral histories from the hospital era, this loop tour is an opportunity to commission an audio work that draws heavily from the oral history archives to tell this story.

Access to this loop trail will need to be coordinated with demolition and construction work. The tour itself will have to be updated as hospital buildings are demolished and repurposed.

The city is currently refining plans for demolition of some hospital buildings. These buildings should be fully documented before demolition so that in the future, they can be reconstructed in augmented reality to allow visitors to view past and present side by side.

Accessibility:

ADA accessibility upgrades are underway for part of the loop. All of the walk is currently paved.

Tour formats:

Phase 1 - Develop the script and refine the delivery of a guided tour.

Phase 2 - Create a tour guide/brochure available at visitors centers and a version of the tour accessible online.

Phase 3 - Develop or commission an audio work that draws heavily from the oral history archives. This too would be integrated into the online version and with the existing script.

Avoid adding permanent interpretive signage beyond placing "head-of-trail" signs in the parking lots. It could be intrusive in this area.

3 Big Field Loop



What is it?

A loop walk exploring the history of agriculture on this site including Native American settlements, clearing and farming by enslaved Africans, and a century of hospital staff working with patients as unpaid labor to support hospital operations.



Primary Stories

The land before settlement: restoration of prairie and savannah ecotypes

Native American settlement in the area: cultivating crops and caring for the land

Spring Hill plantation: view of existing plantation house; "Quarters for enslaved people were located to the west of the house"

African American people clearing and farming the land before and after emancipation

Hunter Family records: how we know what we know

Dix Hospital Farm: extent, crops, livestock, and the use of unpaid patient labor, framed as a form of therapy until it was outlawed in the 1970s

"Create an interactive walk through the history of the legacy component of this site...Storytelling should be at the heart of conveying the legacy of Dix."

—Legacy Committee Report, 2018

Considerations for development

Accessibility:

There are no accessible paths into the Big Field itself.

Tour formats:

This walk is best suited for a self-guided tour. Interpretive signage could be added in the parking lots and along the roadways without feeling invasive. Given that many users will be passing by the site or attending a single event, this may be the most appropriate format for this loop tour.

This loop covers sites that are highly significant in African-American community history. There is a trove of oral histories to draw on for the creation of an audio work to tell this story. Eventually these oral histories, along with written records, may be incorporated in the proposed Descendants Pavilion and memorial.

4 Ecology Loop



Pine Loop
Image courtesy of Dix Park Conservancy

What is it?

This path tells a story of natural and assisted regeneration of the ecosystem including a young pine forest, a self-seeding meadow that has attracted a host of native birds, and a field of sunflowers that naturally extract pollutants from the soil.



Primary Stories

Rocky Branch: significance of creek for Native Americans, colonists, hospital; history of overuse, degradation and restoration work underway

Landfill: extent, what's here/how did it happen, what's involved in cleaning it up, restoration time frame and cost

Self-seeding meadow: demonstration of natural regeneration and restoration of natural habits. Native flora and fauna found here

Bird Watching: Bird species seen/heard here
Pine Forest: significance of the pine tree in North Carolina history, the process of forest regeneration (young trees, overcrowding, invading species)

Sunflower Field: phytoextraction: using plants to remove contaminants from the soil

Cemetery: significance of the site, impact of adjacent landfill, restoration efforts

Flowers Field: art installations or events in progress or anticipated

Building Dix Park/Work in Progress: renovation of Flowers Cottage for more public use

"Part of the site is a landfill for municipal waste. Instead of erasing and ignoring that reality, it seems it could be part of the interpretation. Dix Park is part of a section of the city where folks were thrown away, land was trashed. Not a pretty history but for folks who don't know—draw lines where landfill is. Ask: Where were other landfills? Mostly in communities of color."

—Community Member

Considerations for development

The Ecology Loop includes more than the Pine Forest Trail. Trail work will be needed to clear and connect existing trails. New wayfinding signage will be needed to direct visitors from parking lots to the trail and explain destinations and distances when there are forks in the trail.

Accessibility:

The existing trails are not ADA accessible.

Tour formats:

Self-guided options are best here. Interpretive signage should be used sparingly, but consider placing signs at points where the ecosystem changes with some information about the plants and animals who live there. These could include a QR code link to more information on the website.

Spaces for Reflection and Gathering

Places where shared histories of the site can be remembered and reflected on will strengthen community bonds. In addition, these gathering spaces provide opportunities for shade, rest, celebration, conversation, and shared enjoyment.



- 1 Cemetery Restoration**
- 2 Descendants Pavilion**
- 3 Outdoor Performance/Gathering Circle**
- 4 Restorative Gardens**
- 5 Dix Hospital Memorial**

1 Cemetery Restoration



Dix Park Cemetery
Image courtesy of Dix Park Conservancy

What is it?

The hospital cemetery is a site of conscience. There are some gravestones, but most are small markers that record patient names and dates of death. Some people were buried at the hospital because their families saw it as their home. Others were laid to rest there because families could not afford burial elsewhere, or had not maintained contact with the person who was hospitalized. Reclamation and restoration of the burial space has been underway since 2017.



Primary Stories

Individual stories of those buried in the cemetery through words, audio or images

Death as part of hospital life: how did the hospital community deal with death?

The ongoing cemetery restoration project

“The graveyard is a huge thing to me because that speaks to people whose lives were spent in that institution. To me, the graveyard is sacred ground.”

- Family Member of Former Dix Hospital Patient

Considerations for development

Restoration of the cemetery must be coordinated with and protected from remediation work at the adjacent landfill.

Raleigh City Cemeteries Preservation Inc who surveyed the cemetery and the Raleigh Historic Cemetery Advisory Board are potential advisors for this project.

“Our cemeteries are among the most sacred places to us. Our existence as a Nation has been a search for a shared identity. We have a system of kinship – knowing where ancestors were buried and who they were provides us with language to knit ourselves together as a community.” —Lumbee Community

Member & Scholar

Native American patients were treated at the hospital, and Lumbee and Coharie people are buried in the hospital cemetery, but Native ancestry was often not noted in the hospital records and many gravesites were not marked.

“If Native American people are buried there, it’s important to locate grave sites and inform families so that they may visit, burn sage and tobacco, etc” —Cultural Expert

Reclaiming the site to honor those buried there will require additional research to identify patients buried here, further delineation of cemetery space, creation of additional markers for those who can be identified, and recognition of those buried there whose deaths were not recorded. New landscaping is recommended to create a contemplative walk around the cemetery.

2 Descendants Pavilion



Memorial to Enslaved Laborers
Image courtesy of UVA

What is it?

The pavilion is for community gatherings and family reunions, a memorial to the people who were enslaved at Spring Hill plantation and other plantations across the region and their descendants, and a site for reckoning with the realities of slavery.

"The city has washed the history of plantations away. For the Hunters, it is of utmost importance that we trace and document and help the community understand the human histories of the site, and how descendants have survived and thrived."

—Community Researcher & Hunter Descendant



Primary Stories

The arrival of the first Africans in the early 18th century

View of the Spring Hill plantation house and probable location of housing for enslaved people

Life at Spring Hill plantation

Preserving Culture and Community in Spite of Enslavement

Life after Emancipation

Building Dix Hospital

John Hunter and the Hunter Descendants

"This could be a good way for descendants to get involved and help make a contemplative site like this. The site would also encourage other Black community members to see the work already done and add their own research. This could be a continuously evolving site."

- Hunter Descendant

Considerations for development

The pavilion must be sited across the road and in view of the Spring Hill plantation house.

Members of the descendant community must guide the evolution of the pavilion and site:

"I don't want a little block that has the names of our ancestors on some kind of a piece of stone. It has to be more than that, something that's also maybe interactive, something that gets kept up to date and fresh because you know new things can be added to it." —Hunter Descendant

This pavilion is a critical interpretive element that is not included in the Master Plan. The park should start working very soon with Hunter descendants to define key project goals and select a significant site within the planning framework.

3 Outdoor Performance/Gathering Circle



Primary Stories

The abiding presence of Native Americans on the land

Native American community and culture

"We need to create more visibility for the American Indian population, acknowledgement that we were here, and ways to tell the stories of contemporary American Indians. I like the idea of a place for storytelling- like an outdoor performance space."

—Community Member

Considerations for development

Native American artists should guide the design of the space, and create artworks to tell their stories visually and through performance (illustrations of murals, mosaics, weaving, etc).

This element is not included in the Master Plan. The park should start working very soon with Native American community members to define key project goals and select a site where it can exist comfortably within the planning framework.

What is it?

Outdoor performance space designed by Native American artists for dance, drumming, ceremony, and storytelling. Both a place for sharing tribal traditions and stories, and a place where people can bring their own ideas for use and what should happen there.



4 Restorative Gardens



What is it?

These are gardens designed to make restorative experiences in nature accessible for everyone. They will be designed to incorporate and share the botanical traditions of different communities connected to the site.

“Establish certain areas on site as sanctuaries and sites for reflection and quiet.”

—Legacy Committee Report, 2018



Primary Stories

Rituals and plants associated with individual and collective care in Native American, African, African-American, and European traditions.

The use of horticultural therapy at Dix Hospital

“A garden like this would be good, where different tribes could be represented through their medicinal plants, with oral traditions about how the land was cared for. An opportunity to move into right relationship with land, flora, fauna, to nurture it, where people can thrive. Work with Native farmers and healers to maintain the garden [and] people will bring their own ideas to the space.”

—Community Scholar

Considerations for development

These gardens will be located in the area initially labeled as a “botanical garden” in the Master Plan.

Restorative gardens and related park programming must be accessible and welcoming for people with a range of physical and sensory needs, including people who have mental health disabilities or are neurodiverse. Consulting with these groups will be critical to create a space they feel comfortable in.

While the first gardens will focus on the traditions of Dix legacy communities, these gardens may be expanded over time to include restorative plants and traditions from other cultures.

Work is underway to plant a healing garden around the chapel. This site is close to the site proposed for the larger collection of restorative gardens, and may be woven into the experience as the gardens are established.

The restorative gardens should be welcoming to all ages, but maintain a calm and meditative atmosphere. For the youngest visitors, there will also be a sensory garden in the Gipson Play Plaza for children.

5 Dix Hospital Memorial



What is it?

A reflection space dedicated to those who were treated, lived and worked at Dix Hospital.



Primary Stories

Stories of people who struggle with mental illness and those who care for them, told in their own words/voices

Recognition of some of the pioneering work in mental health care at Dix Hospital

Stories that shed some light on Dix Hospital as a home and community, as well as a psychiatric hospital

“I am picturing an autobiographical component where patients and families could contribute personal experiences, accounts, struggles, and where the emotional/mental/physical/economic/social toll that mental illness and its stigma takes on the patient, their families, and the community could be highlighted through stories.”

—Former Dix Hospital Staff Member

Considerations for development

The site for this memorial should be easily accessible, close to the hospital, and may be a part of the restorative gardens.

Design and planning should be driven by close consultation with former patients, staff, and family members. Incorporating oral histories into this experience can have a tremendous impact in bringing these stories to life.

Dorothea Dix can be recognized here with others for their pioneering work in improving mental health awareness and care. The full story of her legacies at Dix Hospital are complex, and better explored in an exhibition than at the memorial site.

“Ensure the engagement and participation in the planning, development and ongoing operation of any memorial to Dorothea Dix by persons served by the Dix Hospital, their family members and professional and service staff at the Dix Hospital.”

—Dorothea Dix Hospital Memorial Task Force Report, 2016

Community History and Storytelling Projects

Research, curation and exhibits that draw on the wealth of existing historical and cultural resources, and implement practices and partnerships for future community history and storytelling projects.



- 1 Exhibitions**
- 2 Art Related to Site History**
- 3 Research & Resources for Community History**

1 Exhibitions



From Plantation to Park: The Story of Dix Hill exhibit at City of Raleigh Museum, 2018
Image courtesy of Dix Park Conservancy

What is it?

Exhibitions, developed by historians and curators working with community members, and installed in a gallery or museum space on site are best for in depth exploration of the layered stories and legacies of the Dix Park site. Visitors can choose whether and when to visit.



Potential exhibition topics identified in workshops

Archeology near the site

Dorothea Dix and her complex legacies

Dix Hospital history, incorporating artifacts, drawings, photographs, diaries, and oral histories from patients and staff

The evolution of mental health care in North Carolina and current issues with psychiatric care

Spring Hill plantation and descendant community history

Rotating exhibits co-curated with community groups

"This hospital up in New England...when it closed, they went in and things had been left there by people and they developed this kind of museum that told the story of the lives of the people that had been there. It might be a suitcase that had somebody's books in it or their reading glasses or their journal, things like that.

It really brought to life that institution and the people that were part of it, and it was wonderful because it placed them in a context...you're looking at them through the things that everybody has—clothing, suitcases, journals, books—all of a sudden you begin to see past the mental illness to the human beings."

—Family Member of Former Dix Hospital Patient

Considerations for development

There is a wealth of materials but to create substantial exhibitions and related programming, the park will need curatorial partners, space, and funding.

Permanent exhibition space will take time to fund, staff and organize. In the interim, focus on smaller capsule exhibits in the Chapel.

Renovated spaces in existing hospital buildings will be compelling locations for exhibitions about life at Dix Hospital. The Harvey and Royster buildings and the foundations of the South Wing of the McBryde Building have been proposed as possible "museum" sites.

"Consider the property a teaching tool to educate the public about mental illness, trace the history of treatment for the mentally ill in North Carolina, [and] decrease the stigma associated with mental illness."

—Dorothea Dix Hospital Memorial Task Force Report, 2016

2 Art Related to Site History



The Will of the Father
Live performance photo by Caroline Cockrell for the Black on Black Project

What is it?

Artists can communicate powerfully and directly about the site’s history. These experiences with art embedded in the park experience may be permanent or temporary installations or more ephemeral performance works of sound, image or dance. Whatever the medium, they must be the result of a real collaboration between artists and community members.



Primary Stories

We recommend using the goals and themes of this CIP as a framework, but beyond that it would be up to the artist working with a community to decide what stories to tell and how to tell them.

Art can illuminate connections between site history and broader issues in the Raleigh community. One of these is the ongoing story of transformation and gentrification in the area, and its impact on historically Black neighborhoods.

“I grew up [near the site], and older people, my dad’s friends, have been uprooted. Our history is being erased so that Raleigh can be on a top ten list that doesn’t even reflect people’s actual quality of living.”

“I feel a sense of hopelessness—where am I supposed to teach my kids now that my community is not my own, and I’m not able to be a part of the change that my community needs.”

—Community Member & Mental Health Advocate

Considerations for development

These projects could be many places on the site, but best placed by the artist at points where visitors will naturally encounter and engage with them.

“Enlist artists and craftspeople to create healing art, music, dance, and theater for the site and to make it a constant beehive of creativity. This could include art exhibitions, performances, classes, and sales venues.”

—Legacy Committee Report, 2018

Prioritize commissions and residencies for artists with lived experience that connects to the community histories of the site (Native American, African American, Hospital and Ecological community histories).

3 Research & Resources for Community History



The Pennhurst State School and Hospital
Image Courtesy of Each+Every

What is it?

Future research connected to the site can amplify Dix Park as a shared place to learn about community history. There is a wide range of research opportunities, including the collection and curation of oral histories, the analysis and exhibition of historical artifacts and documents, and genealogical research stemming from the Hunter descendant project.

Making research and resources available on the site will contribute to building community and expanding critical resources for future research, art, and interpretive projects.



Topics

Oral History projects (see page 152)

Archeological work to substantiate lesser known histories of the site, such as its use and possible settlement by Native American communities and the lives of those who were enslaved at Spring Hill plantation.

Archival projects (see page 158)

Research projects related to general site history, mental health care and Dix Hospital history, Spring Hill plantation and descendant history, Native American history, and the ecological transformation of the site over time (see page 162)

“As a high priority timewise, the Committee recommends that funds be allocated to interview as many former patients and staff of the hospital as possible for oral histories about their time at Dix.”

This is an important resource that will become increasingly unavailable over future years. It is invaluable in helping the public understand their stories, the treatment that happened there, the evolution of that treatment over time, and the personal stories that will serve as the connective tissue between Dix Park and the public.”

—Legacy Committee Report, 2018

Considerations for development

Priority should be given to ongoing oral history projects involving collection, archiving, and sharing of community stories connected to the site. **This is urgent**, as many people who can speak to hospital-related history are growing older.

This initiative should include dedicated space and equipment to provide community access to oral history archives (with appropriate care and permission) and genealogical search engines. Possible sites for this space include the Royster Building, or integration into the future museum space.

Staffing Recommendations

To deliver any of the experiences outlined above, the park will need an experienced staff team of interpreters and educators to develop interpretive content; create and lead interpretive and educational programs; write interpretive signs, brochures, and digital stories; create park maps and brochure; update park websites; work in and manage visitor centers; and train and supervise professional and volunteer interpreters.

We recommend that the city expand and assign Historic Resources and Museum staff to the Dix Site. A Director of Interpretation should be the first staff member. This person should focus on expanding interpretation at the site and building the interpretive team. Team members will come with different lived experiences and bring different qualifications. Eventually this team would include people who are skilled in research and curation, asset management, grant writing, program and exhibit development, and expertise in a wide range of topics, from genealogy to natural sciences.

The park could also look to this team to advise ongoing projects with historical components, conduct related community engagement, and ensure that affected communities are engaged in timely and meaningful ways in planning and design of new park projects.

Legacy Committee members have served as historians, archivists, and champions for interpretation. Our hope is that this committee will continue to drive the implementation of the CIP and serve as primary advisors to the professional staff. The Dix Park Interpretive team should work collaboratively with this group and leverage their efforts to the fullest extent possible, while also engaging with focused stakeholder groups and the general public.

Project Development Framework

The park will be built out over time. In the process, City and Conservancy staff will encounter many proposals from stakeholders and the community at large for projects and programs targeted for specific audiences and purposes.

Navigating this will require a steady hand and clear guidelines for project selection and development, from conception to completion.

Steps to launching a project will include:

- Allocate staff time to vet and shape ideas into project proposals
- Assemble an internal stakeholder group to assess proposed projects and funders for alignment with the park's values of inclusivity
- Refine the goals of the project, desired visitor experience, and how this proposed project aligns with both short- and longer-term park plans
- Define the budget, scope, and project timeline
- Confirm funding sources, procurement requirements, and alignment with other work underway in the park
- Assemble an advisory committee of external stakeholders with lived experience, expertise, and community connections needed to guide the project
- Define how they will be involved throughout, what the park is asking of them and what they will receive in return
- Be clear and transparent about the process and who makes final decisions
- Determine what other partners or professionals are needed on the team and take appropriate steps to engage them
- Submit project for approval to the relevant entities (funders, city, community)
- Prioritization of project proposals will have to take into account opportunities for “quick wins” (interventions that are simple, economical, and adaptable), the phasing of the master plan, and when funding and other support becomes available for a particular project.

For each initiative along the way, re-engaging stakeholder communities in the planning and design process will be key to successful implementation.

Implementation Matrix

Timelines for interpretation projects will be based on a variety of factors, including funding sources and budgets, staffing, partnership opportunities, stakeholder priorities, and physical changes in the park.

Some projects require a high degree of coordination with other construction projects; others can be developed and independently of other park initiatives. Projects are organized by the level of site preparation/development required before the project can be implemented:

A Projects

Can start immediately once funding is in place, and build on existing resources/assets

B Projects

Must be planned and designed in unison with other Master Plan initiatives, including building redevelopment

A Projects

\$ = \$100,000 or less \$\$ = \$100,000-500,000 \$\$\$ = \$500,000+ * = critical first action items

Project/Recommendation	Location	Primary Audience	Cost	Community groups to involve in development	Timing/Phasing considerations
Hiring Interpretive Staff *	N/A	N/A	\$-\$\$	N/A	Staffing needs and roles will change as interpretation on the site evolves
Research & Resources for Community History *	N/A	Varies depending on topic	\$-\$\$	Legacy Committee Oral History Working Group and Genealogy Working Group	Collecting oral histories related to Dix Hospital is time-sensitive. Other research efforts will help prepare materials for future interpretation on site.
Website Improvements	N/A	All park users; especially first-time visitors and people looking for information about events	\$	Consider beta testing with the Community Committee	Most efficient and effective to implement this as a single and unified effort, rather than breaking up into individual projects
Entrance & Wayfinding Signage	Park-wide	All park users; will become especially important as the park evolves and it is different from returning visitors' previous visit	\$-\$\$	Community Committee: All signs Legacy Committee: Head-of-Trails sign	Entrance and Head-of-Trails signage can start immediately. Other signage should be phased in coordination with DHHS and construction.
Loop Tours & Trails	Multiple locations	Adults; consider creating versions for school groups and scout troops	\$-\$\$	Legacy Committee, Descendants of John Hunter project participants, Community Committee	Guided tours on accessible paths should be prioritized
Cemetery Restoration	Cemetery	Family members of those buried in the cemetery; Dix Hospital community; general park users (giving them an understanding of the physical cemetery space)	\$\$	Legacy Committee, Raleigh City Cemeteries Preservation Inc, Raleigh Historic Cemetery Advisory Board, Dix Hospital Alumni	This project has both a physical/landscape component and a research/interpretive component. The physical elements should be prioritized to better define and protect this space.
Temporary Exhibitions	Chapel	Varies depending on exhibit topic	\$	Communities related to exhibit topics	The Chapel is the best indoor space for exhibits at the park currently; exhibit space will evolve as buildings are redeveloped
Art Related to Site History	Park-wide	Varies depending on topic; potential to impact most park users	\$	Communities related to art topics	Art can be curated to engage different audience groups throughout the year
Programs & Events Related to Site History	Park-wide	Potential to impact most park users	\$-\$\$	Communities related to event/program topics	The Park should continue its active roster of events and programs, and actively seek partnerships to amplify history-related events

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B Projects

\$ = \$100,000 or less \$\$ = \$100,000-500,000 \$\$\$ = \$500,000+

Project/Recommendation	Location	Primary Audience	Cost	Community groups to involve in development	Phasing considerations	
Descendants Pavilion	Behind Scott & Ashby, sight-lines to Spring Hill house	Descendant community; Raleigh African American community	\$\$\$	this space intentionally left blank for printing	Hunter Descendants; also expand to larger Raleigh African American community for more universal themes	Scott and Ashby will be demolished within the next couple of years. Construction will likely need to wait until the buildings and back parking lots are removed.
Outdoor Performance /Gathering Circle	In Big Field near hammock grove	Native American community	\$\$-\$\$\$		Native American community	Site will need to consider connections to the future loop road (after Williams is demolished). Parking, drop-off and proximity to restrooms should be discussed when determining location and access.
Restorative Gardens	Tate Dr area	Potential to impact most park users	\$\$\$		Legacy Committee, Community Committee, groups supporting/with expertise in neurodiversity and mental illness	These are labeled as a “botanical garden” in the Master Plan; will need to be coordinated with the Rocky Branch restoration and building demolition.
Hospital Memorial	Near Big Field & hammock grove	Dix Hospital community; Raleigh mental health community	\$\$-\$\$\$		Legacy Committee, Dix Hospital alumni, mental health community, current patients of nearby psychiatric hospitals	May be a part of the restorative gardens; will need to be coordinated with that effort, the Rocky Branch restoration and building demolition.
Exhibitions in New Spaces/Permanent Exhibitions/Museum	McBryde, Harvey, and/or Royster	Varies depending on exhibit topic but typically park users interested in history; students	\$\$-\$\$\$		Communities related to exhibit topics	Permanent exhibit spaces will be dependent upon building redevelopment planning

6.

Research Resources & Recommendations

Cultural and historical interpretation at Dix Park begins from a remarkable resource—a wealth of existing research projects related to the site. This includes a wide-ranging collection of archival objects; dedicated community historians conducting research on descendant lineages and the history of mental health care; and ongoing collection of oral histories related to Dix Hospital by members of the Legacy Committee.

This section gathers these and other projects, and discusses how to implement practices and partnerships for future research related to the site. More information, along with image and archival resources, can be found in the Appendix.

The CIP Matrix

Because there has been an array of historical research and community engagement connected to the site over time, it is important to have a tool that aggregates insights and findings in one place, and can incorporate new information as it is discovered. Currently, this tool is the **CIP Matrix** (see the Appendix). Eventually, with the hire of dedicated interpretive staff, this tool will be refined to best meet the needs of the historian(s) working at Dix Park.

The Matrix incorporates community history storylines, quotations from oral histories and community feedback, and references to site-related artifacts, documents and images. It draws on all of the research documents held in the City of Raleigh's folders, including the foundational work of the Legacy Committee, and insights collected through the stakeholder engagement process as well as additional resources discovered over the course of the CIP research phase.

The Matrix's main storylines are collaborative narratives that synthesize a range of historical data and stakeholder input. Rather than finished stories, they are best used as launch-pads for projects that will dive more deeply into particular aspects of the site's past, expanding and refining the larger site history in the process.

How to use the CIP Matrix as a starting point for research, art and exhibition projects

In general, the Matrix should be used as an internal reference rather than a source for finalized public language, as each project will require the development of its own focus, framing and voice.

When a historian, student, curator or artist begins a project related to the Dix site, the City can provide them with a copy of the relevant sections of the Matrix, which will allow them to identify resources and experts related to the work they plan to do. New references and resources can be added to the Matrix as research advances.

Overview of the Matrix structure

The Matrix is organized into four major sections:

Ecological History
Native American Community History
African American Community History
and Hospital Community History.

Each section contains several major **Storylines (column A)**. See the Table of Contents below for a list of storyline ‘chapters.’

The **Main Messages (column B)** provide the big ideas within each storyline, generally organized chronologically. This is a good place to look to get a big-picture sense of ‘what happened.’

Look to the **Supporting Stories (column C)** for leads on anecdotes and personal histories that bring the bigger narratives to life. Interesting characters connected to the histories of the site are in bold. This is a category where future historical researchers and artists working on site-specific projects can really dig in.

Many supporting stories are accompanied by **Quotes (column D)**. These come from former Dix Hospital patients and their families, staff, and other community members. They are culled from the CIP’s community engagement and research documents and oral histories. Many of the quotes also exist in audio form. Curators and students working on exhibits and other projects that include audio tours or oral histories can find starting-points for their projects here. They should use these quotes with care—see the Oral Histories section below.

Records/ Artifacts / Images (column E) lists archival and primary source materials connected to various stories. Where possible, the Matrix supplies source locations, call numbers and thumbnail images. Image information can be found in the cell above the thumbnail and larger image versions are located in the image folders in the Appendix.

The last three columns of the Matrix are most useful as an internal reference for the City and Conservancy as they plan interpretive projects in the park and create opportunities for artists and researchers to engage with the site.

Design Ideas (column F) compiles suggestions for interpretive elements that rose to the top in discussions with community members. Possible partners for particular projects are listed in bold.

Advice for Us (column G) provides quotations from stakeholders about how to approach a specific historical event or design element. This is a good first stop for gaining awareness about issues of sensitivity, care and inclusion related to a specific story or project, although more engagement and research will likely be needed to flesh out these considerations.

Possible Site Locations (column H) provides a place to list locations for potential projects in the park.

Matrix Storyline

Table of Contents



ECOLOGICAL HISTORY

Early Ecology
 Layers of Land Use
 From Common Land to Private Property
 Development of the Site as
 ...Plantation
 ...Hospital
 ...Landfill
 Who has worked this land?
 Dix Park as a place for Restoration and Repair



NATIVE AMERICAN COMMUNITY HISTORY

Native America
 Living through Colonization, Protecting Community
 Native Americans at Dix Hospital
 Dix Park as a place for Visibility and Vitality
 Present / Past / Future



AFRICAN AMERICAN COMMUNITY HISTORY

Establishing Spring Hill plantation
 Life at Spring Hill plantation
 Hospital Foundations
 The Civil War
 Exclusion, Segregation and Integration at Dix Hospital
 Emancipation and Reconstruction
 Plantation Life after Reconstruction
 Raleigh's Freedmen Communities
 Growth of Cultural Institutions
 Jim Crow Era
 Raleigh's Parks
 Civil Rights Movement
 From Segregation to Gentrification
 Dix Park as a place for Acknowledgement and Inclusion
 John Hunter and the Hunter Descendants



DIX HOSPITAL COMMUNITY HISTORY

Mental Health Treatment in North Carolina before Dix Hospital
 Dorothea Dix
 Design & Construction of Dix Hospital
 Civil War comes to Dix Hospital
 Rise of Nursing
 Segregation & Integration at Dix Hospital
 Expansion of the Hospital
 Patient Work at Dix Hospital
 The Great Healing Outdoors
 Working at Dix Hospital
 Home for Staff
 Home for Patients
 Dix Hospital as Community
 Diagnosis and Treatment at Dix Hospital
 Patient and Family Stories
 All Faiths Chapel
 Dix Hospital Cemetery
 Closure of the Hospital
 After Dix Hospital: The Deinstitutionalization of Mental Health services
 Dix Park as a Place for Healing

Oral History Projects

Several oral history projects connected to the Park site exist, some ongoing. Researchers interested in conducting additional oral histories should begin by contacting the relevant project contacts. We recommend the Legacy Committee Oral History Working Group as a first contact.

People working in their own communities to gather stories often make the best oral history interviewers. Anyone who is doing this work for the first time should undertake some educational training about method and ethics and work with someone with community or oral history experience.

To sustain oral history projects, the City should look to partnerships with universities, state archives and libraries, which can provide connections to researchers, and secure, accessible holdings for recordings and transcripts once they are completed.

Existing Oral History Projects

LIVES ON THE HILL

Video, produced by NC Health News in 2016. Includes clips from interviews with former patients and staff at Dix Hospital; 15 full interviews conducted. Contact: Rose Hoban

DIX PARK ORAL HISTORY PROJECT / CRITICAL LIVES ON THE HILL

Audio + transcript, conducted by Susan Garrity 2020-present. 16 full interviews (10 Native American, 4 Plantation Era, 2 Hospital Era), 3 audio and film oral history interviews conducted by Legacy Committee Ran Coble in 2023-24 with two former directors of Dix Hospital and one with a relative of a Dix patient and local philanthropist." 20-25 additional oral histories planned to be conducted by Burgetta Wheeler. Unpublished to date. Contact: Elizabeth Page

STORIES THAT SAVE LIVES: DOROTHEA DIX HOSPITAL

Audio + transcript, conducted by scholars at the Southern Oral History Program. 7 interviews with former staff and patients at Dix Hospital. Held at the Southern Oral History Program Collection, UNC Chapel Hill Libraries. Contact: Director Seth Koch

NATIVE NORTH CAROLINIAN INTERVIEWS HELD IN THE SOHP

Audio + transcript, conducted by students and scholars at the Southern Oral History Program. Interviews related to Lumbee and civil rights history in the region (primarily Robeson county). Held at the Southern Oral History Program Collection, UNC Chapel Hill Libraries. Contact: Director Seth Koch

DIX HOSPITAL IN SOUND IN SITU

Audio collage built from interviews with former patients at Dix Hospital and others who have lived with mental health challenges. Created by Felix Obelix (Wendy Spitzer), presented at the 2019 SEEK Festival.

Developing and Using Oral Histories

- Partner with an educational platform like the Southern Oral History Program to collect and archive site-related oral histories.
- Resource and support the oral history research currently being conducted by members of the Legacy Committee.
- Continue to interview community members with connections to the site. Some starting-points for who to interview have been provided to the City and contact names and details are noted throughout the Matrix.
- Establish a residency, student fellowship or staff position that curates existing and new oral histories into audio walking tours. Material exists to develop an oral history tour focused on the stories of Dix Hospital staff, patients and family members. Additional collecting will need to be done to build an archive for other community history tours.
- Create a booth within a park gathering space that allows visitors to record brief reflections related to the site around a particular theme. Topics might include recent changes in the neighborhood related to gentrification or experiences facing mental health challenges. These will need to be reviewed and curated by an experienced community historian.

Guidelines for Sharing Oral Histories

Because this kind of storytelling is so directly linked to a particular person, it must be treated with extra care. The guidelines below are focused on how to responsibly quote and present oral histories (in written, video or audio form), but they also apply more generally to images and historical documents related to personal history that the City may encounter as historical research unfolds at Dix Park.

The bottom line:

Take extra care with any image, recording, quotation or document that reveals sensitive or private information about anyone, including the person who supplied the document. If you think the information could be harmful or embarrassing to anyone, do not use it in a public setting.

Ask for permission to use whenever possible from the subject(s) and the author(s), their descendants, or a community representative, depending on the timeframe. Make this request in writing, explain the way the material will be used, and allow space for the recipient to comfortably decline.

Oral histories related to the Dix Park site fall into two general categories: published and unpublished.

Published interview transcripts and recordings exist in a publicly accessible archive and are legally in the public domain. *The Lives on the Hill* broadcast interviews and the oral histories that are held in Southern Oral History Collection, for instance, are public realm information and can legally be used for any non-commercial, nonprofit project.

However these resources should still be treated with an additional level of care when used for public-facing projects at the Park:

- The researcher should ask themselves: could sharing this information at the Park be damaging to someone? If so, don't share.
- If quotations will be accompanied by names, request and receive permission from narrators and subjects before use.
- Sometimes it is important to recognize a speaker or subject by name. But often it is not necessary, and the speaker or subject can be identified through a more generic label like 'former Dix Hospital staff member.' This only works when there are no other details attached that would reveal the speaker or subject's identity. Whenever possible, use this method of identification, as it better protects people and their families. Depending on the sensitivity of the material, the researcher may still want to request permission from the speaker and subject for use.

Some of the oral history collections related to the Dix site are **unpublished**, for instance the ongoing *Dix Park Oral History Project*. Quotes from these oral histories should not be shared publicly without consulting with the project lead. After receiving confirmation from this contact, the researcher should follow the care and permission steps listed above for published materials.

If you are unsure whether material is published or unpublished, check the Matrix. The Quotes section provides confidentiality and permissions details.

The above ethical and legal guidelines are focused on oral histories, but can be used as a general guide when dealing with historical images, artifacts and documents. In addition to getting consent for use from subjects or their representatives, researchers or City staff working on a public-facing project should identify any proprietary or licensing stipulations and contact the company, media source, or author to acquire permission following the method above.

Note that medical records younger than 100 years and employee performance information are protected by legal confidentiality, and sharing this information should be avoided.

Historical Research

The park site has already become the focal point of historical research that speaks to matters of local, regional and national interest. Exhibitions of site-related historical research have included museum exhibits, online presentations of archival materials, and research-focused community events.

Future research connected to the site can amplify Dix Park as a shared place to learn about community history. Below is a list of major research resources and initiatives connected to the site. (Please see the CIP Matrix for more information.) At the end of each section are recommendations for future research projects related to the park.

ARCHIVES

City of Raleigh Museum, Dix Park-related holdings

A substantial collection of artifacts, images and historical documents, mostly from the hospital era. A detailed list of the archive's Dix Park-related holdings can be found in the City's folders here. The archive also has an online search tool. Museum Director Ernest Dollar recommends going through the employee scrapbooks held in the archive for additional historical images.

Southern Historical Collection, The Wilson Library, University of North Carolina at Chapel Hill

Contains a range of historical documents related to the site over time. The Grimes Family Collection, for instance, holds letters, land deeds, wills, and labor ledgers, some of which are directly related to the Grimes operation at the Dix site. Digital scans of some documents are available through the online archive.

State Archives of North Carolina

The state archive has physical holdings in Raleigh and a digital collection, both of which contain many historical documents and images related to the site. This list in the City of Raleigh folder summarizes various Dix Park-related holdings.

General researchers can start with the archive's Dorothea Dix Hospital Record Group, which includes government records of hospital incorporation; meeting minutes; hospital admittance and discharge ledgers and other patient records (over 100 years old); contracts and financial statements; nursing school documents; and photographs.

For image sources, look to Special Collections, the News & Observer Images Collection, and the Dorothea Dix Hospital Photograph Collection which includes many photographs from the hospital era and some renderings of the Spring Hill plantation. Images from the News & Observer Collection will require the media company's permission to use.

Asylum in the Archive

An online platform created by the Communities Histories Workshop, whose researchers have transcribed and analyzed many of the Dix Hospital case books. For example, "from manuscript holdings in UNC's Southern Historical Collection, [the researchers] have uncovered, transcribed, and published more than 100 letters to, from, and about the first female patient at what became Dix Hospital." An agreement with UNC Libraries allows for photographs of the original letters and transcriptions to be accessed via a digital portal.

Central Regional Hospital Records

The source for personal medical records for people who were admitted at Dix Hospital after 1946. Accessible only by the person or their representative.

Spruill Annex Building

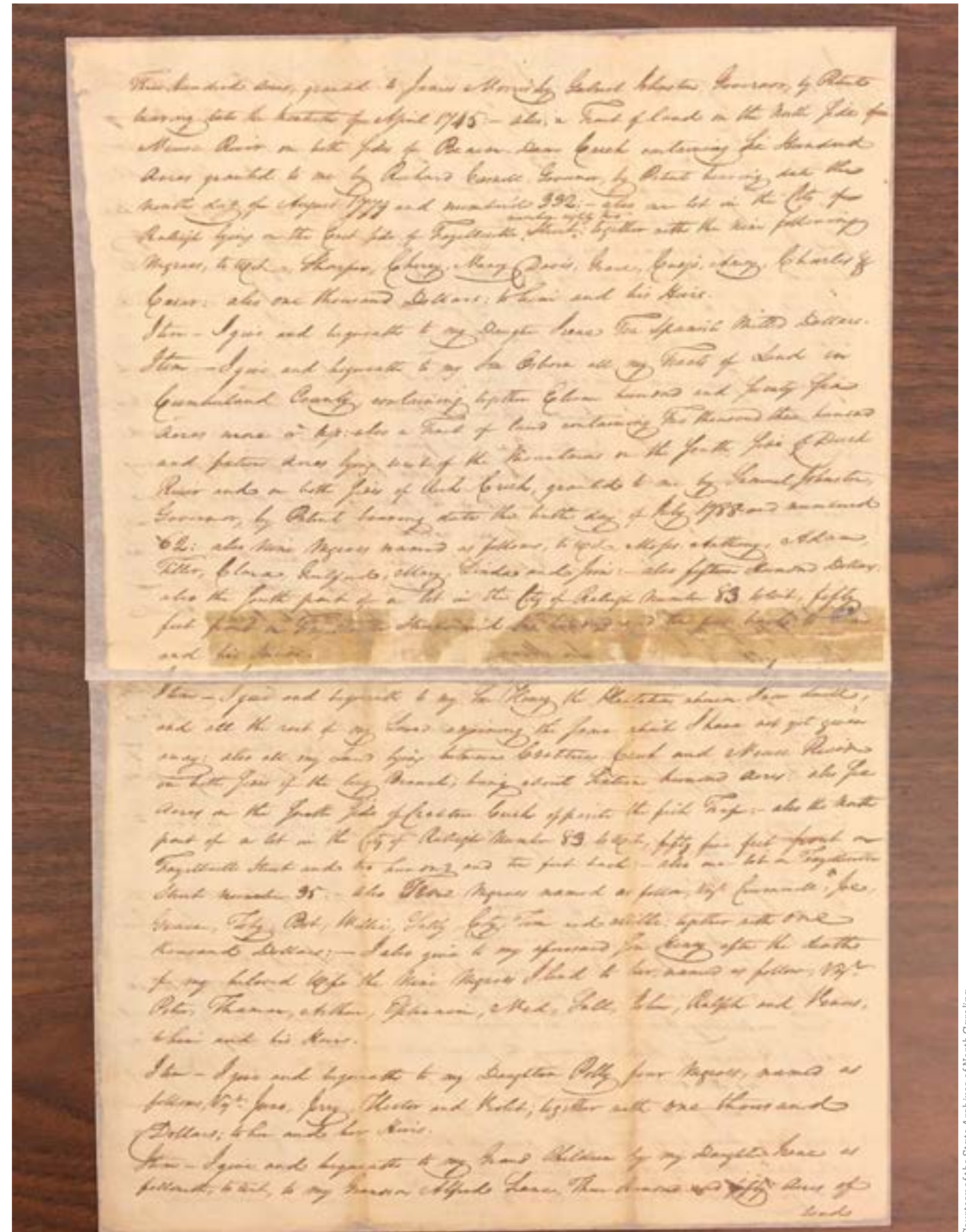
Historically, a location on the Dix campus where some hospital-related artifacts have been held.

Southern Oral History Program Archives

Online repository for oral history transcripts and recordings (see section above for more detail).

Recommendations for Future Archival Projects

- Prioritize opportunities to partner with museums, universities and libraries to house site-related materials. These institutions are ideal places to hold publicly-accessible archives related to the site's history because they have established archival infrastructure and staff.
- Develop an internal historic images database, which collects images from various sources above and catalogs them for ease of use in park exhibits, events and public communication. Working with an archivist, librarian, or historic resources staff member to create a system for the consistent processing and indexing of historical images will be key. In the Appendix there are folders of images organized by community history that can be used as a starting-point for this project.
- Establish a protocol for processing archival materials. Once a Dix Park interpretive staff member is hired, one of their priorities should be to formalize a process for handling existing and incoming materials related to the site that are given to City or park staff. Until then, a spreadsheet should be used to catalog incoming material, noting date of acceptance, delivery contact, and details of relevance.
- Partner with community organizations to bring archival materials to park visitors, and encourage public participation in archive-building. Archival materials stored off site can be brought to life through exhibits and engagement projects in the park that invite community members to contribute research, objects and stories. A potential partner for this kind of interactive archive-building is the Community-Driven Archives Project at the University Libraries, UNC Chapel Hill.



Theophilus Hunter's will describing the division of his property and the individuals he enslaved upon his death in 1798.

Courtesy of the State Archives of North Carolina.

Research Projects

GENERAL SITE HISTORY

While most site-related research projects have focused on one topic or period, a few have had a wide-range scope. Two particularly useful overviews for general researchers are the historical narratives authored by the Legacy Committee and Sites of Conscience Work Group and the *Cultural Landscape History Report*, produced by Susanne Turner Associates as part of the Master Plan.

Ernest Dollar, Executive Director of the City Museum of Raleigh, is a contact for the general history of the site. He has a particular interest in Civil War-era history.

MENTAL HEALTH CARE / DIX HOSPITAL HISTORY

The *Asylum in the Archive* project by the Communities Histories Workshop analyzes Dix Hospital ledgers and diagnostic notes, presenting data synthesis focused on the intersection of medical practice and the cultural categories of race, ethnicity and gender. The project is overseen by scholars Lucas Kelley and Leah Tams.

Other key research contacts in this field include Rose Hoban, editor of the *North Carolina Health News*, who has done extensive research on mental health history in the state. Kelly Arnold has written recently about the role of patient work at Dix Hospital, and Madison Philips has researched Dorothea Dix's views on race and medical treatment. For these and other references, consult the Matrix bibliography.

Significant research has already been done to establish who was buried in the hospital cemetery. See the Cemetery Census list for a starting point. The 2017 letter prepared by the Raleigh Historic Cemetery Advisory Board makes research-informed phased restoration recommendations.

SPRING HILL PLANTATION & DESCENDANT HISTORY

Recently the University of North Carolina initiated some investigation into the history of Spring Hill plantation. See *Brick Layers: An Atlas of New Perspectives on NC State's Campus History* for an overview.

UNC has also commissioned archeological research at the plantation site. Three reports produced in 2017 (see the Matrix bibliography) provide descriptions of the plantation layout, grounds and buildings and a mapping of possible gravesites.

Ernest Dollar did some early research into the Hunter family at Spring Hill plantation (see the documentary *Roots of Hope: Rediscovering The Legacy of John Hunter*, 2020). Subsequently, in-depth genealogical and historical research related to people who were enslaved at Spring Hill plantation has been conducted by descendants of the Hunter lineages. Wannetta Worthy and Yvonne Hunter Sanders have researched the Hunter family tree. Belle Long has done extensive historical research that includes analysis of wills, burial records and property deeds related to Spring Hill plantation. See the Matrix Bibliography for citations.

Descendant history isn't limited to the site itself. After slavery was outlawed, the story of the descendants of those enslaved at the site spread out into the surrounding neighborhoods, where communities established new cultural, commercial and residential districts. Carmen Cauthen, along with other historians who have focused on Raleigh's historic Black neighborhoods, are key advisors for this dimension of the city's story.

NATIVE AMERICAN HISTORY

Less research exists connecting Native American history directly to the site, although there has been study of Native American community history more generally in the region.

Good starting-points for researchers interested in this community history are the North Carolina Museum of History, which organizes the American Indian Heritage Celebration, and the Triangle Native American Society. Experts in Native American community history in the area include Dr. Malinda Maynor Lowery, Dr. Louise Maynor, Dr. Mary Ann Jacobs, and Dr. Ryan Emanuel, among others. In addition to consultation with scholars, researchers should consult tribal leaders throughout the research process.

ECOLOGICAL HISTORY

Various site assessments related to particular development and remediation projects have been prepared over time (see the Matrix bibliography). Histories of the site, including Legacy Committee reports and the *Cultural Landscape Report* have identified some of the agricultural history of the site, and additional research about the ecological impact of site developments is available in the Master Plan's *Discovery Phase Atlas*. More in-archive research needs to be done in this area.

Recommendations for Future Site- Related Research



The Grove at Dix Park in the 1990s.
Image courtesy of the State Archives of North Carolina

In general, the City should continue to support research related to:

- Dix Hospital community history and the history of mental health and psychiatric treatment in North Carolina
- The lived experience of people enslaved at Spring Hill, with a focus on their cultural roots and retentions and community building.
- Plantation history and the aftermath of slavery at the site.
- Native American history of the area, including stories of present-day Native American community life
- Ecological history, including agricultural history and the impact of development at the site, as well as research into nature as a resource for human healing and practices of environmental stewardship
- Other community histories that emerge over time as connected to the park site

To do so, the City should undertake the following specific strategies in the near term:

- Continue to seek out ways to partner with university-based research initiatives by:
 - 1) creating opportunities for students and scholars working on history related to Dix Hospital to present their work at public events and
 - 2) establishing internships, fellowships and volunteer opportunities for scholars to work with the park's interpretive staff.
- Prioritize the creation of a portal onsite for the public to access African American genealogical research. A potential partner for this project is the Enslaved Persons Project, begun in 2021 by the Wake County Register of Deeds.

- Continue archeological investigation at the site, following the specific recommendations for archeological discovery stated in the Cultural Landscape Report and the standards for archaeological findings developed by the North Carolina State Office of Archaeology. Contacts: Steve Davis, retired archaeologist at UNC Chapel Hill, and John Mintz, North Carolina Office of State Archeology.
- Continue research about the hospital cemetery, and ensure that it informs future restoration. One specific initiative could be to partner with university programs on a research project to discover who from the Native American community is buried at the hospital cemetery. The Community Histories Workshop and the UNC Pembroke History Department may have students interested in conducting this research.
- Further develop the agricultural history of the site by connecting with experts at the North Carolina State Forestry Division, the North Carolina Native Ethnobotany Project, the North Carolina Botanical Garden, and the Lumbee Cultural Center in Robeson County.

Appendix documents

provided separately

ENGAGEMENT SUMMARY

COMMUNITY HISTORY SUMMARIES

CIP RESEARCH MATRIX

IMAGES AND RESEARCH DOCUMENTS CITED IN THE CIP MATRIX

Privacy Notice

I hereby acknowledge that the information I provide in this application is subject to disclosure pursuant to the North Carolina Public Records Laws, and that I provide the information contained in this application freely and voluntarily, and that by submitting my application to Wake County I consent to such disclosure pursuant to the North Carolina Public Records Laws, and that I waive and release Wake County, its agents, employees and elected and appointed officials, from any liability related to disclosure of any information provided herein.

Profile

Which Boards would you like to apply for?

Wake County Water Partnership: Submitted

Please select your first Board preference: *

Wake County Water Partnership

Please select your second Board preference: *

None Selected

Please select your third Board preference: *

None Selected

Please select your fourth Board preference: *

None Selected

Please select your fifth Board preference: *

None Selected

Please select your sixth Board preference: *

None Selected

Ayse

First Name

Ercumen Webb

Last Name

Middle Initial

2534 Asher View Ct

Street Address

Suite or Apt

Raleigh

City

NC

State

27606

Postal Code

What district do you live in?

None Selected

Mobile: (510) 225-8828

Primary Phone

Business: (919) 515-7051

Alternate Phone

aercume@ncsu.edu

Email Address

North Carolina State
University

Employer

Associate Professor

Job Title

If you live in an Extraterritorial Jurisdiction Area, select Yes:

Yes No

In order to assure countywide representation, please indicate your place of residence:

Raleigh

Interests & Experiences

Why are you interested in serving on a Board or Commission?

As a water quality researcher and Wake County resident, I am interested in learning more about water issues in the county, as well as contributing to discussions, effective solutions and outreach around these issues.

Work Experience

Associate Professor, Department of Forestry and Environmental Resources, North Carolina State University (2024-) Assistant Professor, Department of Forestry and Environmental Resources, North Carolina State University (2019-2024) Research Scientist, School of Public Health, University of California, Berkeley (2013-2018) Short-term Consultant, World Bank, Water and Sanitation Program (2012) Associate Environmental Engineer, Montgomery Watson Harza (2005-2007)

Volunteer Experience

Education

PhD, Epidemiology, University of California, Berkeley (2013) MPH, Epidemiology and Biostatistics, University of California, Berkeley (2009) MS, Environmental Engineering, University of California, Berkeley (2005) BS, Environmental Engineering, Massachusetts Institute of Technology (2004)

Comments

[Ercumen-CV-2026-1.pdf](#)

Upload a Resume

If you have another document you would like to attach to your application, you may upload it below:

Please upload a file

Demographics

Date of Birth

Gender *

Female

Ethnicity *

Other

Other

How did you become aware of Wake County volunteer opportunities?

Other

If you selected "Other" above, how?

My colleague at NC State recommended that I fill the position she is vacating

Please upload a file

ETHICS GUIDELINES FOR COUNTY ADVISORY BOARDS AND COMMISSIONS

By submitting this electronic application, if appointed, I pledge by my signature below that I have read and will comply with the ethics guidelines for advisory boards and commissions as adopted by the Wake County Board of Commissioners, found [here](#).

AYSE ERCUMEN

North Carolina State University
Department of Forestry and Environmental Resources
2225 Jordan Hall Addition
Raleigh, NC 27695

Email: aercume@ncsu.edu
Phone: (510) 225 8828

EDUCATION

PhD	Epidemiology, University of California, Berkeley	2013
MPH	Epidemiology and Biostatistics, University of California, Berkeley	2009
MS	Environmental Engineering, University of California, Berkeley	2005
BS	Environmental Engineering, Massachusetts Institute of Technology	2004

ACADEMIC APPOINTMENTS AND PROFESSIONAL EXPERIENCE

North Carolina State University		
Associate Professor, Department of Forestry and Environmental Resources		2024-
Associate Faculty, Department of Civil, Construction and Environmental Engineering		2020-
Core Faculty, Chancellor's Faculty Excellence Program, Global WaSH Cluster		2019-
Assistant Professor, Department of Forestry and Environmental Resources		2019-2024
Research Scientist, School of Public Health, University of California, Berkeley		2013-2018
Consultant, International Centre for Diarrhoeal Disease Research, Bangladesh		2010-2012
Consultant, World Bank, Water and Sanitation Program		2012
Associate Environmental Engineer, Montgomery Watson Harza		2005-2007

HONORS AND AWARDS

Elsevier list of world's top 2% most cited scientists (2021, 2022, 2024, 2025)
Best Paper of the Year, Global One Health Academy, NC State (2025)
"Thank an Advisor" recognition, NC State (2024, 2025)
Goodnight Early Career Innovator Award, NC State (2023)
Outstanding Global Engagement Award, NC State (2023)
Outstanding Graduate Student Instructor Award, UC Berkeley (2009)
Richard Russell Lee Award for Academic Excellence, MIT (2004)

AWARDS RECEIVED BY MENTEES

Goodnight Fellowship, NC State (Budden 2025)
Abstract ranked #2 at UNC Water and Health Conference (Tazin 2025)
Second place poster, College of Natural Resources Graduate Research Symposium (Davis 2025)
Best PhD poster, College of Natural Resources Graduate Research Symposium (Tazin 2024; Niven 2023)
Global One Health Graduate Travel Award, NC State (Tazin 2024)
NSF Graduate Research Fellowship Program (GRFP) (Davis 2023)
Global One Health Fellowship, NC State (Niven 2023)
Laarman International Gift Fund Travel Award, NC State (Tazin 2023)
Abstract ranked #2 (Niven) and in top 20 (Contreras) at UNC Water and Health Conference (2023)
Abstract ranked #1 (Islam) and in top 10 (Lowe) at UNC Water and Health Conference (2021)

GRANTS FUNDED

Center for Human Health and the Environment (CHHE). Investigating the human health impacts of tidal flooding in coastal North Carolina. 11/1/2025-10/31/2026. Co-PI. **\$35,890**

National Institutes of Health (NIH), Research Project Grant (R01). Prime: Stanford University. Effects of household concrete floors on child health. 8/2022-5/2027. Co-I, lead on NC State subaward. **\$346,846** to NC State (\$3,418,598 total)

National Science Foundation (NSF), International Research Experiences for Students (IRES). Filling the gaps in WaSH research through field-based student research experiences in Malawi. 4/2023-3/2026. Co-PI. **\$299,999**

Global One Health Academy (GOHA). Antimicrobial resistance surveillance across the environment, domestic animals and children in rural Bangladesh, and improved floors to reduce exposure to soilborne resistance. 1/2024-6/2024. PI. **\$49,640**

Center for Human Health and the Environment (CHHE). Earth observation data to support environmental justice: Linking non-permitted poultry operations in eastern North Carolina to water quality impacts and environmental vulnerability indices. 4/2023-6/2024. PI. **\$72,352**

University Global Partnership Network (UGPN) Research Collaboration Fund. Moving the needle in WaSH R&D and impact: Global sharing of challenges and solutions. 8/2022-7/2023. Co-PI. **\$9,999** to NC State (\$40,000 total)

Faculty Research and Professional Development Fund. Point-of-use filters to reduce private well users' exposure to organic exposomes. 7/2022-6/2023. Co-PI. **\$10,000**

North Carolina State University Outreach & Engagement Incentives Grants. Engaging private well users and Wake County's Groundwater Well Program to understand how HRMS technology can benefit public health. 5/2021-6/2022. Co-PI. **\$10,000**

College of Veterinary Medicine Grant Research Award. Environment-to-human transmission of ESBL-producing *Escherichia coli* via wastewater irrigation. 2021-2022. Co-I. **\$25,000**

US Agency for International Development (USAID), Water, Sanitation and Hygiene Partnerships and Learning (WASHPaLS). Improving hygienic management of poultry in rural Uganda. 7/2019-8/2020. Co-PI. **\$99,956** to the Water Trust Uganda.

National Institutes of Health (NIH), Research Project Grant (R01). Effects of sanitation on pathogen transmission and child health in Bangladesh. 8/2014-5/2019. Wrote grant and acted as PI. **\$2,271,443**

World Bank, Water and Sanitation Program. Exposure to fecal contamination, association with diarrhea and sanitation coverage in Bangladesh. 4/2013-12/2014. Co-wrote grant and acted as co-PI. **\$622,867**

PEER-REVIEWED PUBLICATIONS

https://scholar.google.com/citations?hl=en&user=5ZxIY3cAAAAJ&view_op=list_works

<u>Published research articles</u>		<u>Impact metrics</u>	
Total:	89	Total citations:	5166
NC State (2019-2025):	59	h-index:	38
UC Berkeley (2013-2018):	30	i10-index:	63
Under review:	2 (in addition to total above)	Mean journal impact factor:	10.1

Authorship convention: The first author indicates who completed the data analysis and developed the manuscript. The last (senior) author indicates who led the study and mentored the first author.

* Indicates student or post-doctoral researcher I advised or co-advised.

† Indicates student or researcher I mentored during study design, data collection, data analysis and/or development of the specific manuscript. These include junior low-income country scientists as well as US students or post-docs where I provided substantial scientific guidance but was not the formal advisor.

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85. Billava NN, Panchamuki PP, Nayak NS, Kumpel E, **Ercumen A**, Burt Z. Intermittent versus continuous (24x7) water supply system: Empirical Findings from Hubballi-Dharwad, Belagavi and Kalaburagi Cities in Karnataka, India. *Review of Development and Change*, 30 (2), 169-19. <https://doi.org/10.1177/09722661251392>

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81. * Floess E, **Ercumen A**, Harris A, Grieshop A (2025). Health Trade-Offs of Boiling Drinking Water with Solid Fuels: A Modeling Study. *Environmental Health Perspectives*, 133(6), 067021. <https://doi.org/10.1289/EHP1505>

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- 2024**
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1. Kamal A, **Ercumen A**, Luies SK, Tabassum KF, Moushomi NA, Hasan M, Ferdous S, Sharior F, Rahat MA, Upoma TA, Amin N, Khan R, Lin A, Hasan E, Islam MA, Rahman M. Strategies to control antimicrobial resistance in wastewater treatment plant effluent from municipal, hospital, and domestic wastewater: systematic review. Under review at *Heliyon*.

REFEREED CONFERENCE PRESENTATIONS

Authorship convention: The first author indicates who completed the data analysis and delivered the presentation. The last (senior) author indicates who led the study and mentored the first author.

* Indicates student or post-doctoral researcher I advised or co-advised.

† Indicates student or researcher I mentored during study design, data collection, data analysis and/or development of the specific presentation. These include junior low-income country scientists as well as US students/post-docs where I provided substantial scientific guidance but was not the formal advisor.

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67. * Tazin S, Islam M, Pickering AJ, Kwong LH, Lin A, Grembi J, Ali S, Mertens A, Alam M, Sen D, Islam S, Unicomb L, Rahman L, Hubbard AE, Benjamin-Chung J, Arnold BF, Luby SP, Colford JM, **Ercumen A**. Associations between animal exposure and child health outcomes in rural Bangladeshi households. *UNC Water and Health Conference*, Chapel Hill, NC, Oct 27-31, 2025. **[Ranked #2 submission]**

66. **Ercumen A**, * Davis B, Tulbure M, Caineta J, Witter R, Emanuel RE, Powell DE, Burdette K, White-Williamson S, Tuberty S, Woods C, Cutts B. Surface water quality impacts from poultry operations in the Cape Fear River watershed. *UNC Water and Health Conference*, Chapel Hill, NC, Oct 27-31, 2025.

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56. * Niven CG, Islam M, Nguyen A, Mertens A, Pickering AJ, Kwong LH, Alam M, Sen D, Islam S, Rahman M, Unicomb L, Hubbard AE, Luby SP, Grembi JA, Colford, Jr. JM, Arnold BF, Benjamin-Chung J, **Ercumen A**. Rainfall and temperature modify the efficacy of sanitation interventions on *E. coli* contamination in households in rural Bangladesh. *North Carolina Global Health Conference*, Raleigh, NC, Oct 22, 2024 (poster).
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51. * Rudd H, Nichols EG, **Ercumen A**, Kane E, Shea D. Using point-of-use filters and high-resolution mass spectrometry to examine and reduce private well users' exposure to organic contaminants. *AWRA 2023 Annual Water Resources Conference*, Raleigh, NC, Nov 6-8, 2023.
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48. * Contreras J, Islam M, Mertens A, Pickering AJ, Arnold BF, Benjamin-Chung J, Hubbard AE, Rahman M, Unicomb L, Luby SP, Colford JM, **Ercumen A**. Improved child feces management mediates reductions in childhood diarrhea from an onsite sanitation intervention: Causal mediation analysis of a cluster-randomized controlled trial in rural Bangladesh. *UNC Water and Health Conference*, Chapel Hill, NC, Oct 23-27, 2023. **[Ranked among top 20 submissions]**

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46. Van Wyk H, Brouwer AF, **Ercumen** A, Contreras J, Freeman MC, Eisenberg JE. Examining the effect of neighborhood latrine coverage on childhood diarrheal risk in rural Bangladesh. *American Society of Tropical Medicine and Hygiene (ASTMH) Annual Meeting*, Chicago, IL, Oct 18-22, 2023.
45. Rachita S, * Rudd H, **Ercumen** A, Guthrie Nichols E. Do you know what's in your well water? Screening for organic chemicals of concern in private wells of Wake County. *State of North Carolina Undergraduate Research & Creativity Symposium*. UNC Wilmington, Dec 3, 2022 (*poster*).
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41. Poulin C, Peletz R, **Ercumen** A, Pickering A, Marshall K, Boehm A, Khush R, Delaire C. What environmental factors influence the concentration of fecal indicator bacteria in groundwater? Insights from Uganda and Bangladesh. *Groundwater, Key to the Sustainable Development Goals*, Paris, France, May 18-20, 2022.
40. * Contreras JD, Islam M, Mertens A, Pickering AJ, Kwong LH, Arnold BF, Benjamin-Chung J, Hubbard AE, Alam M, Sen D, Islam S, Rahman M, Unicomb L, Luby SP, Colford JM, **Ercumen** A. Longitudinal effects of a sanitation intervention on environmental fecal contamination in a cluster-randomized controlled trial in rural Bangladesh. *American Society of Tropical Medicine and Hygiene (ASTMH) Annual Meeting*, Nov 17-21, 2021.
39. * Contreras JD, Islam M, Mertens A, Pickering AJ, Kwong LH, Arnold BF, Benjamin-Chung J, Hubbard AE, Alam M, Sen D, Islam S, Rahman M, Unicomb L, Luby SP, Colford JM, **Ercumen** A. Longitudinal effects of an on-site sanitation intervention on child diarrhea and acute respiratory infection 1-3.5 years after implementation in a cluster-randomized controlled trial in rural Bangladesh. *American Society of Tropical Medicine and Hygiene (ASTMH) Annual Meeting*, Nov 17-21, 2021 (*poster*).
38. † Islam M, Rahman M, Abdullah Heel Kafi, Unicomb L, Rahman M, Mertens A, Benjamin-Chung J, Arnold B, Colford J, Luby S, **Ercumen** A. User uptake of latrine and child feces management interventions among households with children <5 years in rural Bangladesh: Evidence from 2.5 years of longitudinal follow-up. *UNC Water and Health Conference*, Oct 4-8, 2021. **[Ranked #1 submission]**
37. * Lowe J, **Ercumen** A, Prottas C, Zikusooka S, Harris A. Investigating the Temporal Variability of Poultry Feces Risk Perceptions and Management Self-Efficacy in Rural Uganda. *UNC Water and Health Conference*, Oct 4-8, 2021. **[Ranked among top 10 submissions]**
36. * Floess E, **Ercumen** A, Harris A, Grieshop A. Health Impacts of Boiling Drinking Water with Solid Fuels. *UNC Water and Health Conference*, Oct 4-8, 2021.

35. * Floess E, **Ercumen A**, Harris A, Grieshop A. Do the Health Benefits of Boiling Drinking Water Outweigh the Associated Impacts of Increased Household Air Pollution Exposure? *American Geophysical Union (AGU) Annual Meeting*, Dec 1-17, 2020.
34. * Lowe J, **Ercumen A**, Prottas C, Harris A. Exploring the Determinants and Indicators of Poultry Feces Management Behaviors in Rural Western Uganda. *UNC Water and Health Conference*, Oct 26-30, 2020 (poster).
33. † Islam M, Rahman M, Unicomb L, Kafi MAH, Rahman M, Alam M, Sen D, Islam S, Pickering AJ, Arnold BF, Hubbard AE, Luby SP, Colford JM, **Ercumen A**. Associations between child feces management and fecal contamination of hands, stored drinking water and observed hand cleanliness in rural Bangladesh. *UNC Water and Health Conference*, Chapel Hill, NC, Oct 7-11, 2019.
32. Goddard FGB, Pickering AJ, **Ercumen A**, Chang HH, Clasen TF. An individual participant data meta-analysis on the association between environmental fecal contamination and child health. *UNC Water and Health Conference*, Chapel Hill, NC, Oct 7-11, 2019.
31. Poulin C, Peletz R, **Ercumen A**, Pickering A, Marshall K, Boehm A, Khush R, Delaire C. What environmental factors influence the concentration of fecal indicator bacteria in groundwater? Insights from explanatory modeling in Uganda and Bangladesh. *UNC Water and Health Conference*, Chapel Hill, NC, Oct 7-11, 2019.
30. Rahman M, Doza S, Naser AM, Ahmed KM, Khan GKK, Parvez SM, **Ercumen A**, Islam MS, Luby SP, Clasen TF, Unicomb L. Effect of sand barriers around pit latrines on pit content decomposition and helminth ova counts in coastal Bangladesh. *Planetary Health Annual Meeting*, Stanford, CA, Sept 4-6, 2019.
29. Naser AM, Doza S, Rahman M, Ahmed KM, Gazi R, Robin RA, Karim R, Uddin MN, Mahmud I, **Ercumen A**, Annis J, Rosenbaum J, Luby SP, Unicomb L, Clasen T. Sand barrier around latrine to prevent faecal leaching into the shallow water aquifer: A randomized controlled trial in coastal Bangladesh. *American Society of Tropical Medicine and Hygiene (ASTMH)*, New Orleans, LA, Oct 28-Nov 1, 2018.
28. **Ercumen A**, Lin A, Pickering AJ, Null C, Luby SP, Colford JM. The WASH Benefits Study: The Effect of Single and Combined Water, Sanitation, Handwashing and Nutrition Interventions on Environmental Contamination, Parasite Infection, Environmental Enteric Dysfunction and Child Development. *American Society of Tropical Medicine and Hygiene (ASTMH)*, Baltimore, MD, Nov 5-9, 2017 (symposium).
27. **Ercumen A**, Benjamin-Chung J, Pickering AJ, Arnold B, Addiss D. WASH Benefits and STH: Results and Program Implications, *Coalition for Operational Research on Neglected Tropical Diseases*, Baltimore, MD, Nov 3-4, 2017.
26. **Ercumen A**, Lin A, Pickering AJ, Null C, Luby SP, Colford JM. Results from the WASH Benefits Trials of Water Quality, Sanitation, Handwashing and Nutritional Interventions in Bangladesh and Kenya. *UNC Water and Health Conference*, Chapel Hill, NC, Oct 16-20, 2017.
25. † Kwong LH, **Ercumen A**, Pickering AP, Unicomb L, Davis J, Leckie J, Luby SP. Soil Ingestion Among Young Children in Rural Bangladesh. *International Society of Exposure Science*, Research Triangle Park, NC, Oct 15-19, 2017.
24. **Ercumen A**, Pickering AJ, Arnold BF, Kwong LH, Parvez SM, Kullman C, Chase C, Ahmed R, Unicomb L, Colford JM, Luby SP. Quantifying fecal contamination levels of drinking and ambient waters, hands, food, soil and flies in the domestic environment in rural Bangladesh. *American Society of Tropical Medicine and Hygiene (ASTMH)*, Atlanta, GA, Nov 14-17, 2016.
23. Pickering AJ, **Ercumen A**, Arnold BF, Kwong LH, Parvez SM, Kullman C, Ahmed R, Chase C, Unicomb L, Colford JM, Luby SP. Fecal contamination along multiple environmental pathways is associated with subsequent diarrhea among children in rural Bangladesh. *American Society of Tropical Medicine and Hygiene (ASTMH)*, Atlanta, GA, Nov 14-17, 2016.
22. † Kwong LH, **Ercumen A**, Pickering AP, Unicomb L, Davis J, Luby SP. Hand- and Object-Mouthing by Rural Bangladeshi Children 6-20 Months Old; Importance of Including Food-Related Contacts. *American Society of Tropical Medicine and Hygiene (ASTMH)*, Atlanta, GA, Nov 14-17, 2016.

21. Steinbaum L, † Kwong LH, **Ercumen** A, † Negash M, † Lovely A, Njenga SM, Boehm AB, Pickering AJ, Nelson K. Soil-transmitted helminths in soil: Method development and field testing in Kenya and Bangladesh. *American Society of Tropical Medicine and Hygiene (ASTMH)*, Atlanta, GA, Nov 14-17, 2016. (poster)
20. † Islam M, **Ercumen** A, Naser AM, Unicomb L, Rahman M, Arnold BF, Colford JM, Luby SP. Effectiveness of the H2S test as a water quality indicator for diarrhea risk in rural Bangladesh. *UNC Water and Health Conference*, Chapel Hill, NC, Oct 10-14, 2016.
19. † Kwong LH, **Ercumen** A, Pickering AP, Unicomb L, Davis J, Luby SP. Hand- and Object-Mouthing by Rural Bangladeshi Children 6-20 Months Old; Importance of Including Food-Related Contacts. *International Society of Exposure Science*, Utrecht, Netherlands, Oct 9-13, 2016.
18. Arnold BF, Schiff K, **Ercumen** A, Benjamin-Chung J, Steele J, Griffith J, Steinberg S, Smith P, McGee C, Wilson R, Nelsen C, Weisberg S, Colford JM. Acute Illness Associated with Ocean Exposure and Fecal Indicator Bacteria during Dry and Wet Weather: A Longitudinal Cohort Study of Surfers in San Diego, CA. *USEPA Recreational Waters Conference*, New Orleans, LA, Apr 12-15, 2016. (presented on behalf of Arnold).
17. † Islam M, **Ercumen** A, Ashraf A, Das KK, Kafi MAH, Luby SP, Unicomb L. Impact of unsafe feces disposal of <3 years child among households with latrine access in rural Bangladesh. *UNC Water and Health Conference*, Chapel Hill, NC, Oct 26-30, 2015.
16. Steinbaum L, Nelson K, **Ercumen** A, Kwong LH, Kihara J, Njenga SM, Boehm A, Davis J, Null C, Pickering AJ. Soil-transmitted helminth contamination in rural Kenyan homes. *UNC Water and Health Conference*, Chapel Hill, NC, Oct 26-30, 2015.
15. Pickering A, **Ercumen** A, Arnold B, Kwong L, Parvez S, Kullman C, Ahmed R, Unicomb L, Colford JM, Luby SP. Fecal contamination among multiple environmental pathways is associated with subsequent diarrhea among children in rural Bangladesh. *UNC Water and Health Conference*, Chapel Hill, NC, Oct 26-30, 2015.
14. Doza S, Islam MA, Ashraf SA, **Ercumen** A, Pickering AJ, Kwong LH, Das KK, Unicomb L, Luby SP. Contamination of home-made complementary food and flies carrying E. coli in rural Bangladesh. *UNC Water and Health Conference*, Chapel Hill, NC, Oct 26-30, 2015.
13. † Kwong LH, **Ercumen** A, Pickering AP, Unicomb L, Davis J, Luby SP. Hand- and Object-Mouthing of Rural Bangladeshi Children 3-18 Months Old. *UNC Water and Health Conference*, Chapel Hill, NC, Oct 26-30, 2015 (poster).
12. † Parvez SM, Kwong LH, Ercumen A, Pickering A, Ghosh PK, Rahman MJ, Unicomb L, Luby SL. E. coli contamination of complementary foods and association with domestic hygiene in rural Bangladesh. *American Society of Tropical Medicine and Hygiene (ASTMH)*, Philadelphia, PA, Oct 25-29, 2015.
11. † Kwong LH, **Ercumen** A, Pickering AP, Unicomb L, Davis J, Luby SP. Hand- and Object-Mouthing of Rural Bangladeshi Children 3-18 Months Old. *International Society of Exposure Science*, Las Vegas, NV, Oct 18-22, 2015.
10. **Ercumen** A, Arnold BF, Kumpel E, Burt ZI, Ray I, Nelson KL, Colford JM. Upgrading a piped water supply from intermittent to continuous delivery: Impact on waterborne illness in urban India. *UNC Water and Health Conference*, Chapel Hill, NC, Oct 13-17, 2014. **[Ranked #1 submission]**
9. **Ercumen** A, Naser AM, Unicomb L, Arnold BF, Colford JM, Luby SP. Randomized controlled trial evaluating health impact of treating and safely storing shallow tubewell drinking water in rural Bangladesh. *UNC Water and Health Conference*, Chapel Hill, NC, Oct 14-18, 2013.
8. Naser AM, **Ercumen** A, Hussain Z, Rahman Z, Arnold BF, Colford JM, Luby SP, Unicomb L. Tube well water disinfection using sodium dichloroisocyanurate when recommended chlorine residual is not attained. *UNC Water & Health Conference*, Chapel Hill, NC, Oct 14-18, 2013.
7. Kumpel E, **Ercumen** A, Burt ZI, Ray I, Colford JM, Nelson KL. Evaluation of intermittent versus 24/7 water supply in Hubli-Dharwad, India. *IWA Development Congress & Exhibition*, Nairobi, Kenya, Oct 14-17, 2013.

6. Naser AM, Higgins EM, Arman S, **Ercumen** A, Ashraf S, Rahman M, Luby SP, Unicomb L. Influence of iron and groundwater contamination on residual chlorine of water treated with sodium dichloroisocyanurate (NaDCC) tablets. *University of Oklahoma WaTER Conference*, Norman, OK, Sept 23-25, 2013.
5. Naser AM, **Ercumen** A, Rahman M, Arnold B, Colford JM, Islam M, Unicomb L, Luby SP. Microbiological effectiveness of treating and safely storing shallow tubewell water in rural Bangladesh: A pilot study. *American Society of Tropical Medicine and Hygiene (ASTMH)*, Philadelphia, PA, Dec 4-8, 2011. (*poster*)
4. **Ercumen** A, Naser AM, Rahman MW, Arnold BF, Colford JM, Islam MS, Unicomb L, Luby SP. Uptake of chlorine treatment and safe storage of shallow tubewell water in rural Bangladesh: A pilot study. *UNC Water and Health*, Chapel Hill, NC, Oct 3-6, 2011. (*poster*)
3. **Ercumen** A, Kumpel E, Nelson KL. Water quality and household behaviors affecting water quality in an intermittent and continuous urban piped water supply. *Singapore International Water Week*, Singapore, Jun 28-Jul 2, 2010.
2. **Ercumen** A, Colford JM. Water distribution systems and the risk of gastrointestinal illness. *American Public Health Association (APHA)*, Philadelphia, PA, Nov 7-11, 2009.
1. **Ercumen** A, Kumpel E, Burt ZI. Volunteer-led effort linking research to development practice to promote safe water and hygiene in slums in India. *Water Environment Federation Disinfection*, Atlanta, GA, Mar 1-3, 2009.

INVITED TALKS, SEMINARS AND PRESENTATIONS

28. Panelist. Students for the Advancement of Global One Health (SAGOH). Water and Civilization Panel. NC State, Nov 6, 2025.
27. Speaker. *Can low-cost WASH and nutrition interventions reduce antibiotic use: Evidence from cluster-randomized trials in Bangladesh and Kenya*. Global One Health Academy One Health Research Symposium, NC State, Apr 25, 2025
26. Speaker. *State of the world's water*. Global WaSH Club and Students for the Advancement of Global One Health (SAGOH) Earth Day event, Apr 16, 2025.
25. Seminar speaker. Taps, toilets and dirt floors: Child exposure pathways to environmental contaminants in low-income countries. Toxicology Program Seminar Series, NC State, Feb 4, 2025.
24. Speaker. *Global Lessons for Local Contexts to Reduce Infectious Disease Risks*. NC State Research Week, Oct 22, 2024 (virtual).
23. Symposium presenter. *When is your water on? Harmonizing measurements of intermittency and predictability in piped water supplies for research and policy*. UNC Water and Health Conference, Chapel Hill, NC, Oct 14-18, 2024.
22. Speaker. *Taps, Toilets and Dirt Floors: Filling the Gaps in Water, Sanitation, and Hygiene Research to Achieve Transformative Solutions*. PAUSE (Pakistan and United States Environmentalists) Webinar series (virtual). Sep 23, 2024.
21. Speaker. *Filling the Gaps: How to Get from Status Quo to Transformative WASH Solutions*. Mzuzu University, Mzuzu, Malawi, May 30, 2024.
20. Symposium presenter. *Building Consensus Around Metrics and Monitoring in Area-Wide Sanitation*. UNC Water and Health Conference, Chapel Hill, NC, Oct 23-27, 2023.
19. Plenary speaker. *Can We Achieve Safely Managed Water for All in a Climate-Sensitive World: Case Study of Tubewells in Bangladesh*. Bangladesh Association for Food Protection in North America - International Association for Food Protection (virtual), Sep 30, 2023.
18. Webinar speaker. *Unknown Factors in WASH: How to Get from Status Quo to Transformative Solutions*. University Global Partnership Network (UGPN) Webinar. NC State, University of Sao Paulo, University of Surrey (virtual), Apr 28, 2023.

17. Speaker and panelist. *Who's Got Safe Water: Closing the Gaps*. Environmental Justice Symposium. NC State Stewards, NC State, Mar 21, 2023.
16. Speaker. *Can Water, Sanitation, Hygiene and Nutrition Interventions Reduce Antibiotic Use: Gendered Effects?* 7th Annual Center for Human Health and the Environment Symposium, NC State, Feb 21, 2023.
15. Speaker. *Equitable Access to Safe Water for All: Toward the UN Sustainable Development Goals*. Equity Research Symposium, NC State, Feb 8, 2022.
14. Speaker. *Safely Managed Water for All*. Sustainable Development Goals Club TedX Event, UNC Charlotte (virtual), Nov 16, 2021.
13. Speaker. *Safely Managed Water for All*. Sustainable Development Goals Workshop, Office of Global Engagement, NC State, Nov 10, 2021.
12. Panelist. Young Professionals Panel, UNC Water and Health Conference, Oct 6, 2021.
11. Panelist. Engineers Without Borders, NC State Student Chapter Research Panel, Apr 17, 2021.
10. Seminar speaker. *Infectious Disease Transmission through Environmental Pathways and WASH Interventions*. Environmental, Water Resources, and Coastal Engineering, NC State, Aug 21, 2020.
9. Seminar speaker. *Infectious Disease Transmission through Environmental Pathways and WASH Interventions*. Forestry and Environmental Resources Department Seminar, NC State, Aug 17, 2020.
8. Speaker. *Water, Sanitation and Hygiene Interventions to Improve Child Health in Low-Income Countries*. East Wake Academy Earth Day event (virtual), Apr 22, 2020.
7. Invited presenter. *WASH Studies with STH Implications*, Soil-Transmitted Helminthiasis Advisory Committee (STHAC) Meeting, Baltimore, MD, Nov 2-3, 2017.
6. Symposium presenter. *Exposure to Animal Feces and Human Health*. Symposium, UNC Water and Health Conference, Chapel Hill, NC, Oct 16-20, 2017.
5. Speaker. *Acute Illness Associated with Ocean Exposure and Fecal Indicator Bacteria during Dry and Wet Weather: A Longitudinal Cohort Study of Surfers in San Diego, CA*. California State Water Resources Control Board, Oakland, CA, Nov 10, 2016.
4. Speaker. *Drinking Water and Environmental Health*. Chinese Center for Disease Control and Prevention, National Center of Rural Water Supply Technical Guidance, Beijing, China, Mar 20-22, 2016.
3. Presenter. *Impact of a Water Quality Intervention on Typhoid Incidence in Urban India*. 9th International Conference on Typhoid and Invasive NTS Disease, Bali, Indonesia, Apr 30-May 3, 2015
2. Invited presenter. *Impact Evaluation for Switching from Intermittent to 24x7 Water Supply in Hubli-Dharwad, India*. World Bank, Dhaka, Bangladesh, Aug 5, 2013.
1. Invited presenter. *Evaluation of 24x7 Water supply in Hubli-Dharwad - City Stakeholders' Perceptions, Water quality, Health, and Affordability*. World Bank, Delhi, India, Jul 25, 2013.

OTHER SCHOLARLY ACTIVITY

Invited participant. Grand Challenges Addressing Program. Antimicrobial Resistance. “Speed Dating” and Flash Funding Event. NC State, Dec 10, 2025.

Invited panelist. Goodnight Scholars Faculty Dinner Panel, NC State, Nov 20, 2025.

Invited workshop participant. North America One Health University Network (virtual), Sep 4-5, 2025.

Invited workshop participant. Food and Water Solutions Workshop. NC State, May 13-14, 2023.

Participant. Community-Engaged Workshop: Impact-focused Environmental Health Research. NC State, Mar 24, 2025.

Participant. Climate & Sustainability Academy Open House. NC State, Mar 3, 2025.

Invited panelist. Junior MANRRS Career Panel/Flash Talks. NC State, Mar 19, 2024.

Instructor. Refresher Course/Capacity Building Training Program on the Use of Modern Tools in Social Science Research. Center for Multidisciplinary Development Research, Dharwad, India (virtual), Mar 17, 2025.

Invited panelist. The Postdoctoral Readiness to Enter the Professoriate Program (PREPP). NC State, Mar 21, 2024.

Invited participant. Global One Health Academy (GOHA) strategic planning meeting. NC State, Feb 23, 2024.

Invited symposium participant. Building Partnerships for Health and Sustainable Agricultural Development in East Africa. NC State, Sept 18-20, 2023.

Participant. Coastal Resilience and Sustainability Initiative celebration event. NC State, Apr 25-26, 2023. **[Research pitch awarded \$10,000 of seed funding for proposal development]**

Invited participant. PAUSE AMR Workshop for Creativity Hubs. North Carolina Biotechnology Center, Mar 3, 2023.

Invited participant. Household Water Insecurity Experiences Workshop. *Causes, Consequences, and Measurement of Unpredictable Water Supplies: An Underlying Driver of Water Insecurity*. University of Miami, Jan 9-10, 2023.

Interviewed as subject matter expert for Environmental Health Perspectives Science Selection. *How Improved Is Improved Enough? Gastrointestinal Illness Risk after Sewer Infrastructure Upgrades*. Jun 14, 2022. <https://doi.org/10.1289/EHP11525>

Workshop convener. University Global Partnership Network (UGPN) Conference, Global WaSH Workshop (virtual). *Exploring the “Adjacent Possible” in Global WaSH*, Mar 21-23, 2022.

Presenter. Coastal Resilience and Sustainability Initiative (CRSI) Lightning Talks, NC State, Sep 22, 2021.

Interviewed as subject matter expert for Environmental Health Perspectives Science Selection. *A Better Way to Boil: Comparing Methods of Purifying Water at Home*. Apr 9, 2021. <https://doi.org/10.1289/EHP8921>

Webinar Panelist. *Lessons learned: Poultry Management and Water, Sanitation and Hygiene*. Organized by The Water Trust Uganda. Mar 9, 2021.

Webinar Panelist. *The Water Trust Poultry and Health*. Organized by The Water Trust Uganda. Jun 10, 2020

Workshop instructor. Fecal pathogen exposure in the environment, International Centre for Diarrhoeal Disease Research, Bangladesh (icddr,b), Dhaka, Bangladesh, Feb 27, 2014.

Workshop instructor. Health impact evaluation, Kenya Medical Research Institute (KEMRI), Nairobi, Kenya, Jan 18, 2013.

Workshop instructor. Health impact evaluation, International Centre for Diarrhoeal Disease Research, Bangladesh (icddr,b), Dhaka, Bangladesh, Jan 10-12, 2012.

RESEARCH HIGHLIGHTS IN MEDIA

Featured in *Environmental Health Perspectives* Invited Perspective. Carlton EJ (2024). Climate changes the effectiveness of water, sanitation and hygiene interventions. <https://doi.org/10.1289/EHP14771>

Featured in *Lancet Global Health* Commentary. Dey MC, Parvez M (2021). Household finished flooring as guard against enteric illness in children. [https://doi.org/10.1016/S2214-109X\(21\)00005-X](https://doi.org/10.1016/S2214-109X(21)00005-X)

Featured in *PLoS Blogs* (2016). Catching up with the Authors: Aurelie Jeandron and Ayse Ercumen on Clean Water Supply in the DRC and India. <http://blogs.plos.org/speakingofmedicine/2016/06/10/catching-up-with-the-authors-aurelie-jeandron-and-ayse-ercumen-on-clean-water-supply-in-india-and-the-drc/>

Featured in *Berkeley Science Review* (2016). When habits aren't so fluid. <https://berkeleysciencereview.com/article/2016/11/28/when-habits-aren-t-so-fluid>

Featured in *PLoS Medicine* Editorial. The PLoS Medicine Editors (2015). Transparency in Reporting Observational Studies: Reflections after a Year. <https://doi.org/10.1371/journal.pmed.1001896>.

Featured in *PLoS Medicine* Commentary. Brocklehurst C, Slaymaker T (2015). Continuity in Drinking Water Supply. <https://doi.org/10.1371/journal.pmed.1001894>

Featured in *Environmental Health Perspectives* Science Selection. Barrett J (2014) Plugging the Holes in Water Distribution Systems: Deficiencies May Contribute to Gastrointestinal Illnesses. <https://doi.org/10.1289/ehp.122-A195>

Featured in *The Times of India* (2013). Workshop to evaluate 24x7 water supply in twin cities. <http://timesofindia.indiatimes.com/city/hubballi/Workshop-to-evaluate-24x7-water-supply-in-twin-cities/articleshow/21199039.cms>

Featured in *Deccan Herald* (2013). Water, waste management is a challenge for city corporations. 24x7 water supply to be extended to seven new wards during second phase.

TEACHING

North Carolina State University

- Water Quality and Health (ES/NR 425/525): Newly developed course for upper-level undergraduate and graduate enrollment in response to student demand on water quality topics. This course covers microbiological and chemical contaminants in water supplies, including their health effects, societal determinants of safe water access, historical context, and emerging threats to water quality. **[Teaching evaluation score: 4.7-5.0 out of 5.0]**
- Research Methods for Global Environmental Health (ES 495): Newly developed course for upper-level undergraduate and graduate enrollment in response to NC State strategic growth in global health. This course covers methods and tools for conducting research on global environmental health, including how to characterize environmental contamination and health risk behaviors and how to design studies on health outcomes. **[Teaching evaluation score: 4.6-5.0 out of 5.0]**
- Guest lectures: 15 guest lectures
 - BIO 484 Lead Exposure and Human Health (SP 2025)
 - GOH 201 Foundations of Global One Health (F 2024, SP 2025, F 2025)
 - ET 401 Environmental Technology Laboratory (F 2022, F 2024, F 2025)
 - BSC 295 The Many Faces of Water (SP 2023, SP 2024)
 - CE 497/596 Water and Sanitation in Developing Countries (F 2023)
 - ET 201 Environmental Technology Laboratory (F 2022)
 - ENVIRON 851S Environment and Development Economics, Duke University (SP 2022)
 - ARE 495/590 Environmental Economics in Developing Countries (SP 2020, SP 2021, SP 2022)

University of California, Berkeley (Teaching Assistant)

- Advanced Epidemiologic Methods: Graduate level required course for Epidemiology program (2009)
- Impact Evaluation Methods: Graduate level course on econometric methods (2012)
- Outstanding Graduate Student Instructor Award (2009)

Massachusetts Institute of Technology (Teaching Assistant)

- Fluid Mechanics: Undergraduate level required course for Environmental Engineering majors (2003)

MENTORING

Division of Academic and Student Affairs "Thank an Advisor" recognition (2024, 2025)

POST-DOCTORAL

Jesse Contreras, Forestry and Environmental Resources (2020-2022)

GRADUATE (* indicates graduated)

Committee chair

Emma Budden. PhD, Microbiology (2025-) (co-chair)

Sumaiya Tazin. PhD, Forestry and Environmental Resources (2022-)

Caitlin Niven. PhD, Forestry and Environmental Resources (2021-2025) *

Bekah Davis. MS, Natural Resources (2023-2025) *

Lia Willcoxon. Master of Arts in Liberal Studies (2023-2024) *

Monica Matekenya. Master of Natural Resources (2022-2023) *

Master of Environmental Assessment professional project advisor

Maggie Watkins (2025-)

Carter Estes (2025) *

Joanna Perry (2023-2024) *

Haley Turner (2023-2024) *

Brian Miller (2023) *

Cameron Meyer (2022) *

Bradford Bailiff (2022) *

Stacy Slobodiuk (2020-2021) *

Committee member

Poonam Tajanpure, PhD, Civil and Environmental Engineering, University of Massachusetts, Amherst (2025-)

Benjamin Clark, PhD, Civil, Construction and Environmental Engineering (2025-)

Emily Floess. PhD, Civil, Construction and Environmental Engineering (2021-2025) *

Sailaja Eluri. PhD, Civil, Construction and Environmental Engineering (2021-2025) *

Hayden Rudd. PhD, Forestry and Environmental Resources (2022-2024) *

Sean Daly. PhD, Civil, Construction and Environmental Engineering (2021-2023) *

UNDERGRADUATE

Athena Tomlinson. Environmental Sciences. Honors course credit mentor (SP 2025)

Norah Patterson. Biological Sciences. Advisor for BSC 493 Research Experience (2024)

Emma Budden. Forestry and Environmental Resources. Advisor for ES 498 Professional Experience (2024)

Trey Mumma. Forestry and Environmental Resources. Research advisor (2024)

Annika Pillutla. Statistics. Research advisor (2023-2024)

Cooper Seward. Chemical Engineering. Honors course credit mentor (SP 2023)

Madelyn Milazzo. Science, Technology and Society. Honors Capstone project mentor (2022-2023)

Skyler Price. Forestry and Environmental Resources. Research advisor (2020-2021)

Jordan Turner. Forestry and Environmental Resources. Research advisor (2020-2021)

Jeremy Lowe. Civil, Construction and Environmental Engineering. Research co-advisor (2020-2022)

Bethany Suarez. Environmental Sciences. Senior capstone project faculty mentor (F 2020)

Austin Bridges. Environmental Sciences. Senior capstone project faculty mentor (F 2020)

Emma Hirschy. Environmental Sciences. Senior capstone project faculty mentor (F 2020)

HIGH SCHOOL STUDENTS

Aiden Hernandez, North Carolina School of Science and Math, Summer Mentorship Program (2025)

NSF IRES INTERNATIONAL RESEARCH EXPERIENCES FOR STUDENTS (2024-2026)

Facilitated 20 NC State students traveling to Malawi over 3 years for hands-on field research

- Led trip to Malawi with 7 NC State students in Summer 2024 (2 from College of Natural Resources)
- Co-mentored 6 NC State students in Summer 2025 (2 from College of Natural Resources)
- One additional cohort planned for Summer 2026

IRES graduate students

Ben Clark, PhD, Civil, Construction and Environmental Engineering

Caitlin Niven, PhD, Forestry and Environmental Resources

Nadia Sheppard, MS, Civil, Construction and Environmental Engineering

Seth Wolter, PhD, Civil, Construction and Environmental Engineering

Maggie Watkins, Master of Environmental Assessment

IRES undergraduate students

Norah Patterson, BS, Biological Sciences

Emma Budden, BS, Environmental Sciences

Chinmay Talikoti, BS, Economics, Computer Science

Gabby Vertreese, BS, Biological and Agricultural Engineering

Halee Reinhardt, BS, Natural Resources

Willamina Ingle, BS, Biological Sciences

Kirk Porter, BS, Civil, Construction and Environmental Engineering

Fernando de Silva, BS, Civil, Construction and Environmental Engineering

GRADUATE STUDENT PRESENTATIONS AT INTERNAL SYMPOSIA

9. Wolter S, Chigwechokha P, **Ercumen A**, Harris A, Holms R, Workman C. Risk Perceptions of Diarrheal Disease Incidence in Peri-Urban Malawi. *Global One Health Academy (GOHA) One Health Research Symposium*, April 25, 2025.

8. Wolter S, Chigwechokha P, **Ercumen A**, Harris A, Holms R, Workman C. Risk Perceptions of Diarrheal Disease Incidence in Peri-Urban Malawi. *Environmental, Water Resources and Coastal Engineering Graduate Research Symposium*, Mar 2025.

7. Niven CG, Islam M, Nguyen A, Mertens A, Pickering AJ, Kwong LH, Alam M, Sen D, Islam S, Rahman M, Unicomb L, Hubbard AE, Luby SP, Grembi JA, Colford, Jr. JM, Arnold BF, Benjamin-Chung J, **Ercumen A**. Rainfall and temperature modify the efficacy of sanitation interventions on *E. coli* contamination in households in rural Bangladesh. *Graduate Student Research Symposium*, Apr 2, 2025.

6. Davis B, Tulbure M, Caineta J, Witter R, Emanuel RE, Powell DE, Burdette K, White-Williamson S, Tuberty S, **Ercumen A**. Surface water quality impacts from non-permitted poultry operations in the Cape Fear River watershed. *College of Natural Resources Graduate Research Symposium*, Mar 20, 2025. [2nd place PhD poster award]

5. Davis B, Tulbure M, Caineta J, Witter R, Emanuel RE, Powell DE, Burdette K, White-Williamson S, Tuberty S, **Ercumen A**. Surface water quality impacts from non-permitted poultry operations in the Cape Fear River watershed. *Center for Human Health and the Environment (CHHE) Annual Symposium*, Mar 6, 2025.

4. Floess E, Workman C, **Ercumen** A, Grieshop A, Harris A. Cross-Sectional Field Study Exploring Possible Links between Food, Water, and Energy Insecurity in Peri-Urban Malawi. *Environmental, Water Resources and Coastal Engineering Graduate Research Symposium*, Mar 2025.

3. Niven CG, Islam M, Nguyen A, Mertens A, Pickering AJ, Kwong LH, Alam M, Sen D, Islam S, Rahman M, Unicomb L, Hubbard AE, Luby SP, Grembi JA, Colford, Jr. JM, Arnold BF, Benjamin-Chung J, **Ercumen** A. Rainfall and temperature modify the efficacy of sanitation interventions on *E. coli* contamination in households in rural Bangladesh. *Climate Leaders Program Symposium*, Sep 19, 2024.

2. Tazin S, Islam M, Mertens A, Pickering AJ, Kwong LH, Arnold BF, Hubbard AE, Alam M, Sen D, Islam S, Rahman M, Unicomb L, Luby SP, Colford JM, Benjamin-Chung J, **Ercumen** A. Association of flooring material with *E. coli* contamination in rural Bangladeshi households. *College of Natural Resources Graduate Research Symposium*, Mar 7, 2024 [**Best PhD poster award**]

1. Niven CG, Contreras J, Schmittling S, Nguyen A, **Ercumen** A. Climate impacts on *E. coli* in domestic environments of rural Bangladeshi households. *College of Natural Resources Graduate Research Symposium*, Mar 8, 2023 [**Best PhD poster award**]

UNDERGRADUATE STUDENT PRESENTATIONS AT INTERNAL SYMPOSIA

3. Budden EG, Harris, AR, **Ercumen** A. Household and Environmental Factors Associated with Detection of Cefotaxime-Resistant *Escherichia coli* in Yard Soil in Peri-Urban Malawi. *Global One Health Academy (GOHA) One Health Research Symposium*, April 25, 2025.

2. Milazzo M, **Ercumen** A. Correcting a history of poor urban planning and design for improved community health. *NC State Undergraduate Research & Creativity Symposium*, Apr 26, 2023.

1. Rachita S, Rudd H, **Ercumen** A, Guthrie Nichols E. Screening for organic chemical removal by low-cost point of use filters. *NC State Undergraduate Research & Creativity Symposium*, Apr 26, 2023.

MENTORING AND CAPACITY BUILDING IN LOW-INCOME COUNTRIES

Mentored junior scientists from low-income country research institutions on data analysis, first-authored peer-reviewed manuscripts and conference presentations (2017-)

Mentor, Minority Health and Health Disparities International Research Training program (2013-2015)

- Mentored low-income country scientists in developing fellowship proposals for training in the US
- Mentored UC Berkeley undergraduate students (often first-generation) from minority backgrounds in developing small-scale research proposals and completing research at overseas institutions

TRAINING AND CERTIFICATES

Inclusive Excellence Certificate, NC State (2023)

Faculty Leadership Education and Development (LEAD) Program, NC State (2024-2025)

Media training, NC State (May 2025)

SERVICE

PROFESSIONAL SERVICE ON CAMPUS

Department of Forestry and Environmental Resources

Reappointment, Promotion and Tenure Committee (2025)

Search committee for watershed hydrologist position (2025)

International Programs and Funds Committee (2020-2025)

Department Advisory and Management Committee (2022-2023)

Peer teaching evaluator (SP 2022, F 2024)

College of Natural Resources

CNR Research Committee (2024-)

Reviewer for Stannis-McIntyre grant submissions (2025)

Center for Human Health and the Environment (CHHE)

Co-organizer, CHHE 10th Annual Symposium (2025)

Co-lead, Water & Emerging Challenges Research Interest Group (2024-)

Pilot Project Program grant proposal review (2023-)

Community Grant proposal review (2024)

Global One Health Academy (GOHA)

Advisory Board for the Master of Science program in Global One Health (2025-)

Curriculum Committee for the Master of Science program in Global One Health (2025-)

Graduate Program Committee (2024)

Pilot grant review (2024-)

GOHA graduate fellowship application review (2024-)

Grand Challenges Addressing Program grant review (2024-)

Other

Red Team Reviewer for PI Burford Reiskind R01 (2025)

Global Water, Sanitation and Hygiene Cluster activities (2019-)

PROFESSIONAL SERVICE OFF CAMPUS

Review for funders:

Reckitt Global Hygiene Institute, International Collaboration Awards (2023)

Binational Agricultural Research and Development Fund US-Israel (2022)

National Institutes of Health (NIH) Fogarty global health fellowship program (2021)

Emory University HERCULES Center pilot grants (2020)

Review for conferences:

Abstract review for annual Water and Health Conference at UNC, Chapel Hill (2020-)

Editorial positions:

Academic editor for PLoS Global Health (2023-)

Associate editor for PLoS Neglected and Tropical Diseases (2019-2021)

Guest editor for International Journal of Environmental Research and Public Health on Special Issue "Assessment of Human Exposure Pathways to Antimicrobial Resistance in Environment" (2019-2021)

Peer review for journals: 30+ journals, including The Lancet, Nature Communications, Environmental Health Perspectives, Environmental Science and Technology, Science of the Total Environment, Water Research

Profile

Which Boards would you like to apply for?

Wake County Water Partnership: Submitted

Please select your first Board preference: *

Water Partnership

Please select your second Board preference: *

Open Space and Parks Advisory Committee

Please select your third Board preference: *

GoTriangle Board of Trustees

Please select your fourth Board preference: *

United Arts Grants Panels

Please select your fifth Board preference: *

Library Commission

Please select your sixth Board preference: *

Juvenile Crime Prevention Council

Angelina

First Name

Manoj

Last Name

Middle Initial

1728 Pantego Trl

Street Address

Suite or Apt

Cary

City

NC

State

27519

Postal Code

What district do you live in?

None Selected

Home: (919) 622-2923

Primary Phone

Home: (919) 622-2923

Alternate Phone

angelina17manoj@gmail.com

Email Address

YMCA

Employer

Kidzone Care Attendant

Job Title

If you live in an Extraterritorial Jurisdiction Area, select Yes:

Yes No

In order to assure countywide representation, please indicate your place of residence:

Cary

Interests & Experiences

Why are you interested in serving on a Board or Commission?

Whenever me and my neighbors walked around trails in Cary, we would ask each other questions like, 'I wonder who decides to put the crosswalk here,' or 'Why is this stream suddenly flagged for cleanup?' I realized there was a gap between the work the County does and the people who feel its impact. That's the role I want to play: a translator and a bridge. I'm interested in serving on a Board or Commission because I want to play a more active role in supporting and strengthening Wake County, especially when it comes to awareness about the local government, which not a lot of people seem to know about nor participate in. My time on the Health Board at UNC Charlotte taught me how to do that—how to take a student's frustration about clinic hours and turn it into a policy proposal that actually worked. I want to ensure my neighbors see local government not as a distant entity, but as a resource they helped shape by people that they know they can relate and discuss with.

Work Experience

YMCA Kidzone Care Attendant: June 2025-Present Sustainability Events Lead: Aug 2024-May 2025 Administrative and Events Assistant at Division of University Advancement: Oct 2024-May 2025 West Regional Library Page: Oct 2022-June 2024 Governor Cooper and General Assembly Page: Jan 2023-July 2023

Volunteer Experience

Lobbyist: Citizens Climate Lobby Raleigh: May 2025-Present College Democrats of America Organizing Fellowship: June 2025-August 2025 Student Government Senator (Finance Committee): Oct 2024-Aug 2025 UNCC Health Board: Oct 2024-May 2025 Volunteer UNCC Newspaper Journalist: Aug 2024- May 2025 Lourdes Matha Syro-Malabar Catholic Church Apex Volunteer: Feb 2019-Present Finance Grant Writer YCAT : July 2020-Present

Education

Wake Technical Community College University of North Carolina Charlotte

Comments

My UNCC academic program is online, providing me with significant flexibility as I reside in Cary. This allows me to fully commit to the meeting schedule and dedicate the necessary time to thoroughly prepare for the complex issues before the board in Wake County.

[Angelina_Manoj_Resume_Wake.pdf](#)

Upload a Resume

If you have another document you would like to attach to your application, you may upload it below:

Angelina Manoj

Please upload a file

Demographics

Date of Birth

Gender *

Female

Ethnicity *

Asian

Other

How did you become aware of Wake County volunteer opportunities?

County Website

If you selected "Other" above, how?

Please upload a file

ETHICS GUIDELINES FOR COUNTY ADVISORY BOARDS AND COMMISSIONS

By submitting this electronic application, if appointed, I pledge by my signature below that I have read and will comply with the ethics guidelines for advisory boards and commissions as adopted by the Wake County Board of Commissioners, found [here](#).

Angelina Manoj

Cary, NC • 919-622-2923 • angelina17manoj@gmail.com

PROFESSIONAL EXPERIENCE

Northwest Cary YMCA

Cary, NC

Kidzone Care Attendant

June 2025-Present

- Supervised and actively engaged groups of children in a variety of safe, age-appropriate, and culturally relevant activities, fostering social, emotional, and cognitive development in alignment with YMCA's core values of honesty, respect, responsibility, and caring.
- Built and maintained positive relationships with children, parents, and staff by providing clear communication, modeling strong interpersonal skills, and handling behavioral or sensitive situations with professionalism and care.
- Ensured a safe, clean, and supportive childcare environment by upholding YMCA policies, monitoring program spaces, and adhering to child protection, emergency response, and organizational standards..

Youth Climate Action Team

Cary, NC

Grant Proposal Development and Nonprofit Fundraising Intern

July 2025-August 2025

- Designed and implemented comprehensive tracking systems for multiple grant application deadlines, improving team collaboration and reducing missed opportunities by 30%.
- Coordinated scheduling and communication efforts for fundraising campaigns, helping to engage and maintain relationships with key donors and stakeholders.
- Organized and maintained digital databases, ensuring efficient access to grant materials and supporting overall nonprofit operational effectiveness.

College Democrats of America

Remote

Democratic Organizing Fellowship

June 2025- August 2025

- Trained in grassroots organizing, voter mobilization, and field strategy through NDTC and Blue Future.
- Supported rapid-response communications on federal and state policy issues, strengthening message discipline.
- Led digital outreach and engagement campaigns targeting underrepresented voters, boosting turnout and visibility.

UNCC Division of University Advancement

Charlotte, NC

Administrative & Events Assistant

October 2024- May 2025

- Provided logistical support for high-profile university events, coordinating with vendors, attendees, and executive staff to ensure seamless execution.
- Maintained complex internal calendars and managed communications for guests and university leadership, enhancing operational efficiency.
- Prepared detailed event materials and presentations, contributing to professional and polished meetings and receptions.

UNCC Office of Sustainability

Charlotte, NC

Events Team Lead and Sustainability Aide

August 2024- May 2025

- Directed all aspects of planning and executing sustainability-focused events with over 200 attendees, including vendor negotiations, volunteer coordination, and logistics management.
- Implemented zero-waste initiatives by collaborating with campus facilities and vendors, significantly reducing environmental impact.
- Gained recognition for leadership in large-scale campus environmental programs.

North Carolina Governor's Office

Raleigh, NC

Governor's Page

January 2023 - July 2023

- Conducted policy and financial research to aid state programs and resource allocation decisions.
- Drafted policy briefs and coordinated internal communications on education and public service projects.
- Assisted with logistics coordination for statewide textbook redistribution programs aimed at improving educational equity.

EDUCATION

The University of North Carolina at Charlotte | 3.9 GPA

Charlotte, NC

Bachelors of Science in Economics | Minor in Political Science

May 2027

Activities: Student Government Senator (Finance Committee), Roller Skating (Treasurer), Future Leaders of Accounting, Mock Trial

HONORS AND CERTIFICATIONS

Certificate of Achievement in Political Organizing: College Democrats Of America

August 2025

Real Estate Market & Property Analysis Certification: Project Destined

July 2025

Chancellor's List (Fall and Spring)

May 2025

Get Lit! Writing Contest, 1st Place (National)

December 2023

Profile

Which Boards would you like to apply for?

Wake County Water Partnership: Submitted

Please select your first Board preference: *

Water Partnership

Please select your second Board preference: *

Human Services Board

Please select your third Board preference: *

None Selected

Please select your fourth Board preference: *

None Selected

Please select your fifth Board preference: *

None Selected

Please select your sixth Board preference: *

None Selected

Mason

First Name

W

Middle Initial

Chamblee

Last Name

2331 Grant Ave

Street Address

#204

Suite or Apt

Raleigh

City

NC

State

27608

Postal Code

What district do you live in?

None Selected

Home: (936) 404-3313

Primary Phone

Home: (936) 404-3313

Alternate Phone

masonchamblee@gmail.com

Email Address

City of Raleigh

Employer

Senior Community Relations Analyst

Job Title

If you live in an Extraterritorial Jurisdiction Area, select Yes:

Yes No

In order to assure countywide representation, please indicate your place of residence:

Raleigh

Interests & Experiences

Why are you interested in serving on a Board or Commission?

I'm deeply committed to ensuring our community's future is shaped by inclusive, equitable, and evidence-based policymaking. Serving on a Wake County Board or Commission is a meaningful way to contribute my skills and experience to issues that matter to all of us — from clean water and public health to housing affordability and environmental stewardship. Professionally, I've spent my career advancing community-centered programs and policy initiatives in local government and consulting. At the City of Raleigh, I've led cross-departmental initiatives to improve equitable access to transportation, launched award-winning youth leadership programs, and designed public-facing programs like the E-Bike Rebate and Transit Assistance Program that support affordability and sustainability. These experiences have honed my ability to analyze data, engage the public, and work collaboratively with stakeholders — all essential to effective board service. Wake County is growing rapidly, and with that growth comes complex challenges -- and opportunities. I want to be part of the conversation that helps shape long-term strategies for health, human services, and environmental protection in ways that reflect our community's values. I also believe it's important that younger residents have a seat at the table. Volunteer boards and commissions often underrepresent younger voices, yet we're deeply affected by today's policy decisions — on housing, land use, climate, and public services. I want to bring that perspective, grounded in both lived experience and policy expertise. Ultimately, I see board service as both a civic responsibility and a way to continue learning from others, contributing to solutions, and supporting thoughtful, inclusive governance in Wake County.

Work Experience

JUNE 2022 - PRESENT SENIOR COMMUNITY RELATIONS ANALYST, CITY OF RALEIGH • Lead the development and execution of strategic mobility initiatives aligned with citywide equity, goals; present project findings and recommendations to City Council and agency boards. Includes developing behavioral change campaigns to promote equitable and sustainable transportation options and literacy among residents. • Designed and led implementation of Raleigh E-Bike Rebate Program, coordinating internal departments and external stakeholders. Supported successful implementation of program to deliver \$215,000 worth of vouchers to the public. • Co-developed the Transit Assistance Program, using policy analysis, ridership analysis, and cost-benefit analysis to expand affordable transit to 12,000+ riders. • Developed and launched the award-winning Commute Smart Ambassador Academy, a youth civic leadership initiative recognized for innovation in transportation and planning education and engagement. • Oversee data analysis, grant reporting, and KPI tracking for department initiatives; deliver visualizations and insights using Python, R, and Excel to support strategic decisions. • Conduct financial and operational analysis for mobility initiatives; provide strategic recommendations to city leadership through reports, visualizations, and scenario modeling. • Serve as internal consultant for citywide strategic planning; collaborate with finance, planning, and community engagement departments to advance multimodal goals.

AUGUST 2021 - JUNE 2022 COMMUNICATIONS AND PROJECT COORDINATOR, FOUNTAINWORKS • Supported executive-level planning for public-sector clients, synthesizing research and stakeholder input into strategic plans and policy frameworks. • Facilitated interviews and workshops with state agencies, municipal leaders, and community stakeholders; translated qualitative insights into actionable recommendations. • Created communication materials and visual deliverables aligned with policy goals and organizational strategy. • Contributed to strategic plans for public-sector clients, including municipalities and state agencies, with focus on improving public service delivery and interagency collaboration

JANUARY 2019 - AUGUST 2021 MUSEUM AND RECREATIONAL PROGRAMMER, CITY OF RICHMOND, KY • Conducted comprehensive analysis of departmental operations, identifying unaddressed issues and opportunities, leading to the development and implementation of new initiatives such as solar energy production at facilities and public-use exercise courts. • Developed and led project to install a public-use exercise court at local park; successfully enacted through use of grant-funding and City Commission budget request. Tasks included grant writing, presenting at City Commission, and collaborating with stakeholders. • Successful construction and project oversight on major facility repairs and historic restorations on city owned properties; budgets ranging from \$10,000-\$180,000. • Served as department's media liaison to engage with television and newspaper media request for events, press releases, and public communications on departmental activities.

Volunteer Experience

STATE ADVISORY COMMITTEE FOR THE LAND & WATER CONSERVATION FUND o Advised Governor and his staff on how to best disburse federally appropriated funds to projects across the state via position appointed by the Governor of Kentucky

LEXINGTON-FAYETTE COUNTY URBAN CITY GOVERNMENT GREENSPACE COMMISSION o Secured grant and city council funding to allocate towards the revitalization of city repossessed flood plain lots to transform them into usable spaces for the local communities with an emphasis on environmental friendliness as At-Large Member of Chair of Fundraising Committee

Education

University of Texas at Austin, 2014 - 2017, B.S. NC State University, 2023 - Present, Master of Public Administration

Comments

[Mason Chamblee Resume 2025.docx](#)

Upload a Resume

If you have another document you would like to attach to your application, you may upload it below:

Please upload a file

Demographics

Date of Birth

Gender *

Male

Ethnicity *

Caucasian

Other

How did you become aware of Wake County volunteer opportunities?

County Website

If you selected "Other" above, how?

Please upload a file

ETHICS GUIDELINES FOR COUNTY ADVISORY BOARDS AND COMMISSIONS

By submitting this electronic application, if appointed, I pledge by my signature below that I have read and will comply with the ethics guidelines for advisory boards and commissions as adopted by the Wake County Board of Commissioners, found [here](#).

MASON CHAMBLEE

2331 Grant Ave #204, Raleigh, NC · 936-404-3313

masonchamblee41@gmail.com · [linkedin.com/in/masonwchamblee](https://www.linkedin.com/in/masonwchamblee)

Strategic leader in mobility, policy, and public-sector innovation with proven success delivering cross-functional initiatives and managing high-impact projects. Expertise in data analysis, policy development, and stakeholder engagement. Passionate about solving complex challenges to improve how governments serve communities, with a focus on equity and impact.

EXPERIENCE

JUNE 2022 - PRESENT

SENIOR COMMUNITY RELATIONS ANALYST, CITY OF RALEIGH

- Lead the development and execution of strategic mobility initiatives aligned with citywide equity, goals; present project findings and recommendations to City Council and agency boards. Includes developing behavioral change campaigns to promote equitable and sustainable transportation options and literacy among residents.
- Designed and led implementation of [Raleigh E-Bike Rebate Program](#), coordinating internal departments and external stakeholders. Supported successful implementation of program to deliver \$215,000 worth of vouchers to the public.
- Co-developed the Transit Assistance Program, using policy analysis, ridership analysis, and cost-benefit analysis to expand affordable transit to 12,000+ riders.
- Developed and launched the award-winning [Commute Smart Ambassador Academy](#), a youth civic leadership initiative recognized for innovation in transportation and planning education and engagement.
- Oversee data analysis, grant reporting, and KPI tracking for department initiatives; deliver visualizations and insights using Python, R, and Excel to support strategic decisions.
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- Serve as internal consultant for citywide strategic planning; collaborate with finance, planning, and community engagement departments to advance multimodal goals.

AUGUST 2021 - JUNE 2022

COMMUNICATIONS AND PROJECT COORDINATOR, FOUNTAINWORKS

- Supported executive-level planning for public-sector clients, synthesizing research and stakeholder input into strategic plans and policy frameworks.
- Facilitated interviews and workshops with state agencies, municipal leaders, and community stakeholders; translated qualitative insights into actionable recommendations.
- Created communication materials and visual deliverables aligned with policy goals and organizational strategy.
- Contributed to strategic plans for public-sector clients, including municipalities and state agencies, with focus on improving public service delivery and interagency collaboration.

LEADERSHIP & VOLUNTEER

STATE ADVISORY COMMITTEE FOR THE LAND & WATER CONSERVATION FUND

Advised executive leadership and staff on allocation of federal funds for infrastructure and environmental projects across Kentucky.

LEXINGTON-FAYETTE COUNTY URBAN CITY GOVERNMENT GREENSPACE COMMISSION

Led fundraising strategy and secured city council support for revitalization of floodplain areas into accessible community green spaces.

SPECIAL RECOGNITION

MOST INNOVATIVE APPROACH, CITY OF RALEIGH

Recognized with a “Most Innovative Approach” by the City of Raleigh for work related to developing a pioneering youth ambassador academy focused on transportation issues, such as access, equity, relevant history, and technical background. Team leader for designing and implementing the Commute Smart Ambassador Academy.

LOCAL TDM ADVOCATE OF THE YEAR, ASSOCIATION FOR COMMUTER TRANSPORTATION

Recognized as a top advocate for promoting sustainable and equitable mobility access in the country.

EDUCATION

ANTICIPATED GRADUATION - DECEMBER 2025

MASTER OF PUBLIC ADMINISTRATION, North Carolina State University

- Graduate Certificate in Policy Analysis

MAY 2017

B.S. OF KINESIOLOGY, University of Texas at Austin

SKILLS

Leadership & Engagement:

- Intra-organizational Team Leadership, Stakeholder Management, Public-Private Partnership Management, Community Engagement,

Strategic & Operational:

- Budget & Financial Management, Grant Writing, Strategic Planning & Execution, Program Evaluation & Impact Tracking

Technical & Analytical:

- Data Visualization & Modeling (Python, R, Excel)

