

CURRICULUM VITAE FOR THOMAS KAYE

January 2022

ACADEMIC RANK: Associate Professor (courtesy)
MAILING ADDRESS: Institute for Applied Ecology
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A. EDUCATION AND EMPLOYMENT INFORMATION

EDUCATION:

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|-------------|----------------------------|---|
| Ph.D., 2001 | Botany and Plant Pathology | Oregon State University |
| M.S., 1990 | Botany and Plant Pathology | Oregon State University |
| B.S., 1984 | Environmental Science | The Evergreen State College, Olympia, Washington |

POSITIONS HELD:

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| 2000-present | Executive Director, Senior Ecologist | Institute for Applied Ecology, Corvallis, Oregon |
| 2014-present | Associate Professor (courtesy) | Dept. of Botany and Plant Pathology Oregon State University Corvallis, Oregon |
| 2001-2014 | Assistant Professor (courtesy) | Dept. of Botany and Plant Pathology Oregon State University Corvallis, Oregon |
| 1996-2000 | Faculty Research Assistant | Dept. of Botany and Plant Pathology Oregon State University Corvallis, Oregon |
| 1988-1996 | Botanist | Plant Conservation Biology Program Oregon Department of Agriculture Corvallis, Oregon |
| 1987-1989 | Graduate Teaching Assistant | Dept. of Botany and Plant Pathology Oregon State University Corvallis, Oregon |

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|-----------|-----------------------|---|
| 1984-1987 | Biological Technician | Olympic National Park Port Angeles, Washington |
| 1985-1986 | Research Assistant | Olympic Flora Project Port Angeles, Washington |
| 1984 | Intern | Washington Natural Heritage Program, Olympia, Washington |

ADDITIONAL TRAINING:

| <i>Type</i> | <i>Provider</i> | <i>Topic</i> | <i>Year</i> |
|-------------|---------------------------------------|--|-------------|
| Training | Fred Pryor Seminars | Criticism & Discipline Skills for Managers and Supervisors | 2018 |
| Training | Technology of Participation | Meeting facilitation | 2015 |
| Training | National Audubon Society | Conservation Leadership Training | 2013 |
| Training | US Fish and Wildlife Service | Distance sampling for monitoring Fender's blue butterfly populations | 2013, 2014 |
| Training | Financial Stewardship Resources | Nonprofit Organization Board Training | 2010 |
| Training | Nonprofit Association of Oregon (NAO) | Nonprofit Financial Fundamentals | 2010 |
| Training | Linn-Benton Community College | Microsoft Project training series (project management) | 2009 |
| Training | Nonprofit Association of Oregon (NAO) | Effective Supervision | 2009 |
| Training | US Fish and Wildlife Service | Fender's blue butterfly identification | 2008 |

ADDITIONAL ACTIVITIES:

| <i>Activity</i> | <i>Organization</i> | <i>Topic</i> | <i>Year</i> |
|------------------------|----------------------------------|---------------------------------|-------------|
| Ecologist in Residence | Sitka Center for Art and Ecology | Research and manuscript writing | 2018 |

APPOINTMENT: N/A, Courtesy appointment

FTE DISTRIBUTION: N/A, Courtesy appointment

PRINCIPAL DUTIES IN CURRENT POSITION:

- Executive Director and Senior Ecologist at the Institute for Applied Ecology (IAE) (see Appendix 1). Responsible for management of staff and interns and grant writing, as well as contacts with various federal agencies for consultation purposes. Conduct research on native and endangered plants as well as invasive plant species and work with local, state, and federal agencies on joint projects emphasizing on-the-ground restoration and monitoring. Oversight of four IAE programs, the Plant Conservation Research Program, Native Seed Network, Habitat Restoration, and Ecological Education, as well as Special Projects.
- As Associate Professor in the Department of Botany and Plant Pathology, I supervise graduate students, serve on graduate student committees, occasionally teach and present guest lectures, and lead discussion groups in plant conservation biology.

OTHER OSU DEPARTMENT AND PROGRAM AFFILIATIONS:

- Environmental Science Program, Graduate Faculty.

B. TEACHING, ADVISING AND OTHER ASSIGNMENTS**1. INSTRUCTIONAL SUMMARY****a. CREDIT COURSES:**

COURSE DEVELOPMENT: *BOT 599, Special Topics course: Fundamental Concepts (and Debates) in Ecology (Winter 2011).* Shared responsibility with Andrea Thorpe. Review course of the fundamental concepts (and debates) in Ecology, and current attempts at resolving apparently conflicting paradigms. This course provided students with a foundation in ecological principals and longstanding debates within the discipline.

CREDIT COURSES:

| Course # | Name of Course | Term/Year | # students | Responsibility | Institution |
|-------------|---|-------------|------------|----------------|----------------------------|
| NR 201 | Managing Natural Resources for the Future | Winter 2022 | 80 | Guest lecture | OSU |
| RNG 421/521 | Wildland Restoration and Ecology | Fall 2021 | 18 | Guest lecture | OSU |
| ENSC 101 | Environmental Science | Fall 2021 | 108 | Guest lecture | OSU |
| NR 201 | Managing Natural Resources for the Future | Winter 2021 | 67 | Guest lecture | OSU |
| SLSC 350 | Terrestrial Remediation and Restoration | Winter 2020 | 25 | Guest lecture | University of Saskatchewan |
| NR 201 | Managing Natural Resources for the Future | Winter 2020 | 74 | Guest lecture | OSU |

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|-------------|---|-------------|-----|---------------|---------------------------------------|
| ENSC 101 | Environmental Science | Fall 2019 | 108 | Guest lecture | OSU |
| NR 201 | Managing Natural Resources for the Future | Winter 2019 | 83 | Guest lecture | OSU |
| IB511 | Orientation for New Graduate Students | Fall 2018 | 9 | Guest lecture | OSU |
| BOT 542 | Plant Population Ecology | Fall 2018 | 17 | Guest lecture | OSU |
| ENSC 101 | Environmental Science | Fall 2018 | 123 | Guest lecture | OSU |
| BI 471/571 | Population Ecology | Winter 2018 | 7 | Guest lecture | University of Oregon |
| NR 201 | Managing Natural Resources for the Future | Winter 2018 | 65 | Guest lecture | OSU |
| ENSC 101 | Environmental Science | Fall 2017 | 100 | Guest lecture | OSU |
| -- | General Science | Summer 2017 | 35 | Guest lecture | Coffee Creek Correctional Institution |
| BOT 341 | Plant Ecology | Spring 2017 | 23 | Guest lecture | OSU |
| NR 201 | Managing Natural Resources for the Future | Winter 2017 | 57 | Guest lecture | OSU |
| ENSC 101 | Environmental Science | Fall 2016 | 105 | Guest lecture | OSU |
| -- | General Science | Fall 2016 | 18 | Guest lecture | Warner Creek Correctional Facility |
| -- | General Science | Spring 2016 | 6 | Guest lecture | Oregon State Correctional Institution |
| NR 201 | Managing Natural Resources for the Future | Winter 2016 | 80 | Guest lecture | OSU |
| GEO 420/520 | Geography of Resource Use | Winter 2016 | 32 | Guest lecture | OSU |
| ENSC 101 | Environmental Science | Fall 2015 | 76 | Guest lecture | OSU |
| ENSC 101 | Environmental Science | Fall 2014 | 70 | Guest lecture | OSU |
| ENSC 101 | Environmental Science | Fall 2013 | 47 | Guest lecture | OSU |
| BOT 341 | Plant Ecology | Spring 2013 | 14 | Guest lecture | OSU |
| -- | General Science | Spring 2013 | 16 | Guest lecture | Coffee Creek Correctional Institution |

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| BOT 542 | Plant Population Ecology | Fall 2012 | 17 | Guest lecture | OSU |
| ENSC 101 | Environmental Science | Fall 2012 | 42 | Guest lecture | OSU |
| BOT 599 | Fundamental Concepts and Debates in Ecology | Winter 2011 | 14 | 33% | OSU |
| BOT 691 | Plant Population Viability Analysis | Fall 1993 | 19 | 50% | OSU |
| ENSC 515 | Environmental Perspectives and Methods | Winter 2011 | 26 | Guest lecture | OSU |
| GG5 | Geography of Resource Use | Winter 2010 | 24 | Guest lecture | OSU |
| ENSC 515 | Environmental Perspectives and Methods | Winter 2010 | 19 | Guest lecture | OSU |
| ENSC 515 | Environmental Perspectives and Methods | Winter 2009 | 21 | Guest lecture | OSU |
| BOT 605 | Communications in Ecology | Fall 2008 | 15 | Guest lecture | OSU |
| ENSC 515 | Environmental Perspectives and Methods | Winter 2008 | 27 | Guest lecture | OSU |
| BOT 542 | Plant Population Ecology | Winter 2006 | 15 | Guest lecture | OSU |
| BOT 542 | Plant Population Ecology | Winter 2005 | 18 | Guest lecture | OSU |
| BOT 542 | Plant Population Ecology | Winter 2004 | 19 | Guest lecture | OSU |
| ENSC 101 | Science Orientation | Fall 2003 | 29 | Guest lecture | OSU |
| BIOL 257 | Plant Ecology and Conservation | Fall 2002 | 12 | Guest lecture | Willamette University |
| FOR 365 | Issues in Natural Resource Conservation | Fall 2001 | 19 | Guest lecture | OSU |
| Biology | Natural Resources | Fall 2001 | 35 | Guest lecture | Woodburn High School |
| BOT 341 | Plant Ecology | Fall 1999 | 26 | Guest lecture | OSU |
| BI 374 | Conservation Biology | Fall 1998 | 25 | Guest lecture | UO |
| BOT 505 | Modeling in plant ecology | Fall 1997 | 14 | Guest lecture | OSU |
| BIOL 257 | Plant Ecology | Fall 1996 | 13 | Guest lecture | Willamette University |
| BOT 341 | Plant Ecology | Fall 1995 | 22 | Guest lecture and lab exercise | OSU |
| BI 374 | Conservation | Fall 1994 | 17 | Guest lecture | UO |

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| | Biology | | | | |
| BOT 341 | Plant Ecology | Fall 1994 | 23 | Guest lecture and lab exercise | OSU |
| BOT 542 | Plant Population Ecology | Fall 1992 | 16 | Guest lecture | OSU |
| BIOL 352 | Plant Systematics | Fall 1990 | 15 | Guest lecture | Willamette University |

b. NON-CREDIT COURSES AND WORKSHOPS

Neighborhood Sustainability Stewards Program (March 2015). Instructor for section on Ecology. Oregon State University Extension Service. Corvallis, OR.

Master Naturalist Program (September 2012). Instructor for section on habitat restoration of oak and prairie habitats. Oregon State University Extension Service. Corvallis, OR.

Ecosystem Credits for Oak Savannas (Summer 2012). Lead instructor for workshop to professionals that provided training to use the recently released Oak Savanna and Woodland Ecosystem Credit Calculator. In conjunction with Defenders of Wildlife and the Willamette Partnership, Salem, OR.

Serpentine Plant Ecology, Siskiyou Field Institute (Summer 2000-05). Lead instructor for this short (1-day) course in field ecology and the effects of soil types on plant community composition. Offered through the Siskiyou Field Institute, Ashland, OR.

Plant Conservation Biology discussion group (non-credit). Bi-weekly meetings with graduate students to discuss recent literature. Occasional, 2003-present.

Matrix modeling for Population Viability Analysis of rare plants (1993). Workshop instructor for section on inventory and monitoring of special status plants. Workshop sponsored by the Bureau of Land Management, Medford, OR.

c. CURRICULUM DEVELOPMENT

In my current position as a courtesy appointment in Botany and Plant Pathology, I do not have course teaching responsibilities. I participate in teaching occasional courses and I have served as a member of the Department's Curriculum Committee (2010-17).

d. STUDENTS AND POSTDOCTORAL TRAINEES

CURRENT:

Graduate student research supervision

- Rachel (Ray) Brunner, PhD, 2017-present, completion expected Spring 2023. Botany and Plant Pathology. Dissertation topic: Species distribution modeling.

Graduate Committee member

- Metzler, Julia. MS. Completion expected 2024. Thesis topic: Working title: Prairie restoration methods on working lands.
- Anderson, Aaron. PhD, Completion expected 2021. Thesis topic: Attractiveness of native wildflowers to pollinators and other beneficial insects.
- Cassanova, Rafael Urbina. PhD, Completion expected 2023. Weighing risks and benefits: genetic rescue and mixing source populations to overcome mate limitation when managing and

restoring plant populations. Off-campus committee member, Northwestern University, Chicago, IL.

PAST:**Graduate student research supervision**

- Isaac Sandlin, MS, Spring 2018. Botany and Plant Pathology. Thesis topic: Hybridization potential between *Castilleja levisecta* and *C. hispida*: Implications for recovery of an endangered plant and butterfly.
- Andrew Esterson, MS, Spring 2016. Botany and Plant Pathology. Thesis topic: Positive and negative soil biofeedback after forest invasion by *Brachypodium sylvaticum*.
- Caitlin Lawrence, MS, Winter 2014. Botany and Plant Pathology. Thesis topic: Effects of plant species diversity and soil productivity on population establishment of *Castilleja levisecta*.
- Ian Pfingston, MS, Summer 2012, Botany and Plant Pathology. Thesis title: Using demographic models to forecast the effects of climate change on plant populations.
- Katie Jones, MS, Spring 2012, Botany and Plant Pathology. Thesis title: Factors Affecting Establishment and Germination of Upland Prairie Species of Conservation Concern in the Willamette Valley, Oregon.
- Beth Lawrence, M.S., Fall 2005, Botany and Plant Pathology. Thesis title: Reintroduction of golden paintbrush. Departmental co-advisor: Aaron Liston. Currently Assistant Professor, DePaul University, Chicago, Illinois.
- Matt Blakeley-Smith, M.S., Fall 2006, Botany and Plant Pathology. Thesis title: Differential effects of herbicide on native and non-native plants. Departmental co-advisor: Bruce McCune. Currently Restoration Ecologist, Greenbelt Land Trust, Corvallis, Oregon.

Undergraduate student research supervision

- Kelly Kukes. BS, Winter 2018. University of Montana. Capstone project: Effectiveness of seeding and plug planting for establishment of milkweed.
- Emily Day, Honors Thesis, Spring 2015. Oregon State University Honors College. Thesis topic: Soil Property Effects on Willamette Daisy (*Erigeron decumbens*) within William L. Finley National Wildlife Refuge.

Graduate student research supervision (non-thesis)

- Susan Morre M.S., 2002-2004, Environmental Science Graduate Program. Project title: Native seed production for Willamette Valley prairie restoration projects: a comparison of nursery and on-site trials. Currently Faculty Research Assistant, Forest Ecosystems and Society, Oregon State University, Corvallis, Oregon.

Graduate Committee member

- Baumgert, Erin. MS, Fall 2021. Thesis topic: Effects of root:shoot manipulation on growth of Oregon white oak (*Quercus garryana*) seedlings in the nursery and following outplanting.
- Linda Tucker-Serniac, PhD, Summer 2020. Thesis topic: Insights into an Invasive Jumping Earthworm: Assessing the Invasion Risk and Influence on Soil Organic Matter by *Amyntas agrestis* in Western Oregon.
- Katarina Lund, MS, Spring 2019. Escape in Time: Phenology Mitigates Impacts of the Introduced Cinnabar Moth, *Tyria jacobaeae*, on Native Herb *Senecio triangularis* in Western Oregon.

- Olga Kildisheva, PhD, completed 2018. Thesis topic: Improving the outcomes of seed-based restoration in cold and hot deserts: An investigation into seed dormancy, germination, and seed enhancement. Off-campus Examiner, University of Western Australia.
- Laura Kentnesse, MS, completed 2017. Thesis topic: Conservation of *Rorippa columbiae*: an evaluation of reintroduction potential through the study of germination ecology, propagation methods, and habitat requirements.
- Stephanie Frischie, PhD, 2017. Thesis topic: Traits-based prioritization of native species for restoring biodiversity in woody crops. A case study from Spanish olive orchards. Off-campus Examiner, Pavia University, Pavia, Italy.
- Madison Olson, MS, completed 2017. Thesis topic: Ecological Risk of *Tyria jacobaeae* (Lepidoptera: Erebidae) to *Senecio triangularis* (Asteraceae) in Western Oregon.
- Adrienne Basey St. Clair, MS, completed 2015. Thesis topic: Genetic changes associated with native plant propagation: Case study in *Castilleja levisecta*. Northwestern University.
- Taylor Fjeran, MS, completed 2014. Forest Engineering, Resources and Management. Thesis topic: Effects of herbicide and fire on the invasive plant, *Brachypodium sylvaticum*.
- Colin Meston, MS, completed 2013. Thesis topic: Haleakala National Park, Vegetation Management Plan.
- Rheannon Thomas, MS, completed 2013. Thesis topic: Linkage between nectar plant phenology and butterfly behavior of Fender's blue. Off-campus committee member, Washington State University.
- Tammy Winfield, MS, completed 2013. Department of Horticulture, Oregon State University. Thesis topic: Use of native plants to increase beneficial insects in agricultural systems.
- Nola Hancock, PhD, completed 2012. Dissertation topic: Use of local provenance in restoration projects: genetic implications, ecology and regional perspectives. Off-campus Examiner, Macquarie University, Sydney, Australia.
- Rosalie Bienek, MS, completed 2012, Botany and Plant Pathology. Thesis project topic: Effects of tansy ragwort (*Jacobaea vulgaris*) biological control on plant community structure.
- Kelly Farrel, MS, completed 2011, Zoology. Thesis topic: intraguild trophic effects in a grassland system.
- Paul Severns, PhD, completed 2009, Botany and Plant Pathology. Thesis title: Comparative population genetics of Kincaid's lupine.
- Brian Knaus, PhD, completed fall 2008, Botany and Plant Pathology. Thesis: Systematics of the *Astragalus lentiginosus* complex.
- Josh Lambert, MS, completed Summer 2008, Botany and Plant Pathology. Professional Science Master's Degrees - Applied Systematics. Project title: Willamette Valley Prairie Restoration: The Native Seed Network and *Sidalcea campestris*.
- Ian Silvernail, MS, completed Spring 2008, Botany and Plant Pathology. Thesis title: Serpentine and non-serpentine edaphic ecology and the recovery of *Lomatium cookii*, an endangered endemic of southwest Oregon. Current position: Ecological Education Specialist, Institute for Applied Ecology.
- Kate Norman, MS, completed Winter 2008, Botany and Plant Pathology. Thesis title: The effects of site preparation on native forb establishment in wet prairie, Willamette Valley, Oregon.
- Mary Bushman, MS, completed Fall 2006, Botany and Plant Pathology. Professional Science Master's Degrees - Applied Systematics.
- Rebecca Currin, M.S., completed Fall 2006, Botany and Plant Pathology. Thesis title: Reintroduction methods for *Oenothera wolfii*, 2002-5.

- James (Djibo) Zanzot, M.S., Fall 2001- Spring 2003, Botany and Plant Pathology. Thesis title: Potential susceptibility of tanoak associated and rare Ericaceous plant species of southwestern Oregon to *Phytophthora ramorum*. Current position: PhD program at UC Davis.

High School Student Research Supervision:

- Jake Kettles, Philomath High School, Restoration of Kincaid’s lupine, 2003-2004.

Internship programs:

- Internship program coordinator for IAE (2000-present) and Oregon Department of Agriculture, Plant Conservation Biology Program (1991-1999). Internships are co-sponsored with the Native Plant Society of Oregon. Duties include intern selection (2-4 per year) from a competitive pool, training, and supervision. These internships are intended primarily for undergraduates considering graduate school or professionals considering a career change to natural resource conservation. A significant role for the program coordinator is mentoring these interns, including advice for graduate school and lengthy discussions of research projects, scientific and statistical methods, ecological theory, and natural resource policy. Interns also write papers on aspects of plant conservation that are published in the *Bulletin* of the Native Plant Society of Oregon. I have directly supervised over 70 interns over the years. I directly supervised interns through 2007, then through the present delegated much of their supervision to my staff ecologists.

2. STUDENT EVALUATION SUMMARY

- N/A. No student evaluation summary to date.

C. RESEARCH RESPONSIBILITY

1. MAJOR AREAS OF CURRENT RESEARCH:

Major areas of research are population dynamics of endangered plants and invasive plant species. This is a productive area for experiments with rare species reintroduction, seed germination studies, population viability analysis with matrix models, and evaluation of habitat management techniques. Most of the projects I am involved with use ecological theory to approach applied problems in plant ecology. I am especially active in endangered species reintroduction theory and practice, as well as community restoration.

2. PUBLICATIONS:

| Scholarship |
|--|
| A. Conceived the ideas or experimental design B. Participated actively in execution of the study C. Analyzed and interpreted the data D. Wrote the manuscript E. All of the above <i>From Ecological Society of America criteria for authorship of publications</i> |

| Collegiality |
|---|
| <ol style="list-style-type: none"> 1. First author: Primary person responsible for initiation and development of project. 2. Co-first author: Shared responsibility for initiation and development of project. 3. Senior or corresponding author: Primary person responsible for initiation and development of project. Most of the work was conducted under my direction with students and researchers in my laboratory or as senior guide to the project in which advising was a major component. 4. Co-Senior author/project PI/co-PI with students and researchers in my lab in which advising was a major component: Shared responsibility for initiation and development of project. A large portion of the work was conducted under my direction with students and researchers in my laboratory or as senior guide to the project in which advising was a major component. 5. Secondary author with students and researchers in my lab in which advising was a major component: Significant contribution to the project design and development. 6. Secondary author in collaboration with researchers in other OSU laboratories in which advising was not a major component: Significant contribution to the project design and development. 7. Secondary author in collaboration with researchers in other laboratories at other institutions in which advising was not a major component: Significant contribution to the project design and development. <p>* Graduate student</p> |

| H-index of citations (10/16/17) | |
|---|--|
| Source: Google Scholar Search: Thomas N Kaye Total citations: 2176 Cited Publications: 165 H-Index: 24 I10 index: 51 | Source: ISI Web of Knowledge Search: Author=(Kaye, TN) Timespan=2001-2017 Total citations: 564 Cited publications: 20 H-Index: 13 |

a. REFEREED JOURNAL ARTICLES:

PUBLICATIONS:

- Hanby, B.B., S.J. DeBano, **T.N. Kaye**^{E,6}, M.M. Rowland, C.R. Hartway, D. Shorrock. 2021. Pollinators of the Great Plains: Disturbances, stressors, management, and research needs. *Rangeland Ecology and Management* 78:220-234. <https://doi.org/10.1016/j.rama.2020.08.006>
- St. Clair, A.B., P.W. Dunwiddie, J.B. Fant, **T.N. Kaye**^{E,5}, A.T. Kramer. 2020. Mixing source populations increases genetic diversity of restored rare plant populations. *Restoration Ecology* 28:583-593.
- Bahm, M.A., E.C. Gray, R. Ferriell, and **T.N. Kaye**^{A-C,5}. 2019. Testing germination methods for a rare endemic, Barton's raspberry (*Rubus bartonianus* M. Peck [Rosaceae]). *Native Plants Journal* 20:244-251.
- T.N. Kaye**^{E,1&3}, M.A. Bahm, A.S. Thorpe, E. Gray, **I. Pflingsten**, and C. Waddell. 2019. Population extinctions driven by climate change, population size, and time since observation may make rare species databases inaccurate. *PLOS ONE* <https://doi.org/10.1371/journal.pone.0210378>.
- Baughman, O.W., A.C. Agneray, M.L. Forister, F.F. Kilkenny, E.K. Espeland, R. Fiegenger, M.E. Horning, R.C. Johnson, **T.N. Kaye**^{B,C,D,7}, J. Ott, and J.B. St. Clair. 2019. Strong patterns of intraspecific variation and local adaptation in Great Basin plants revealed through a review of 75 years of experiments. *Ecology and Evolution* 9:6259–6275. <https://doi.org/10.1002/ece3.5200>.
- Kramer, A.T., B. Crane, J. Downing, J.L. Hamrick, K. Havens, A. Highland, S. Jacobi, **T.N. Kaye**^{E,7}, E. Lonsdorf, J. Ramp Neale, A. Novy, P. Smouse, D. Tallamy, A. White, J. Zeldin. 2019. Sourcing

- native plants to support ecosystem function in urban and rural restoration contexts. *Restoration Ecology*. <https://doi.org/10.1111/rec.12931>.
- Wojcik, V., L. Smith, W. Carronero, L.D. Adams, S. Davis, S.J. DeBano, C. Fallon, R. Hatfield, S.H. Black, **T.N. Kaye**^{AD,2}, S. Jepsen, S. McKnight, L. Morandin, E. Pelton, P. Rhoades, K. Rourke, M. Rowland, and W. Tinkham. 2018. New Research and BMPs in Natural Areas: A Synthesis of the Pollinator Management Symposium from the 44th Natural Areas Conference, October 2017. *Natural Areas Journal* 38:334-346.
- Petix, M.I. M.A. Bahm, and **T.N. Kaye**^{AB,5}. 2018. Development of Techniques to Improve Coastal Prairie Restoration on the Clatsop Plains, Oregon. *Natural Areas Journal* 38:268-274.
- Kaye, T.N.**^{E,1}, **I.J. Sandlin**, and M.A. Bahm. 2018. Seed dormancy and germination vary within and among species of milkweeds. *AoB PLANTS* <https://doi.org/10.1093/aobpla/ply018>.
- Trowbridge, C.C., A. Stanley, **T.N. Kaye**^{AB,7}, P. Dunwiddie, and J.L. Williams. 2017. Long-term effects of prairie restoration on plant community structure and native population dynamics. *Restoration Ecology* 25:559-568.
- Jones, K.D.*** and **T.N. Kaye**^{AB,4}. 2015. Growing native seeds for restoration: Seed dormancy and germination of *Sidalcea malviflora* ssp. *virgata* (Malvaceae). *Natural Areas Journal* 35(1):26-28.
- Kaye, T.N.**^{E,1}, K. Bush, C. Naugle, and C.J. LeRoy. 2015. Conservation projects in prison: The case for engaging incarcerated populations in conservation and science. *Natural Areas Journal* 35(1):90-97.
- Jones, K.D.*** and **T.N. Kaye**^{AB,4}. 2014. Factors influencing germination of a functionally important grassland plant, *Iris tenax*. *PLOS One*. DOI: 10.1371/journal.pone.0090084.
- Thorpe, A.S., S. Perakis, C. Catricala, and **T.N. Kaye**^{ABC,4,6}. 2013. Nutrient limitation of native and invasive N₂-fixing plants in northwest prairies. *PLOS One*. DOI: 10.1371/journal.pone.0084593.
- Crone, E., M.M. Ellis, W. Morris, A. Stanley, T. Bell, P. Bierzychudek, J. Ehrlen, **T.N. Kaye**^{AB,6,7}, T. Knight, P. Lesica, G. Oostermeijer, P. Quintana-Ascencio, T. Ticktin, T. Valverde, J. Williams, D.F. Doak, R. Ganesan, K. McEachern, A.S. Thorpe, E.S. Menges. 2013. Ability of Matrix Models to Explain the Past and Predict the Future of Plant Populations. *Conservation Biology*. DOI: 10.1111/cobi.12049.
- Richardson, P.J., A.S. MacDougall, A.G. Stanley, **T.N. Kaye**^{B,7}, and P.W. Dunwiddie. 2012. Inversion of dominance-diversity relationships along a latitudinal stress gradient. *Ecology* 93:1431-1438.
- Ellis, M.M., J.L. Williams, P. Lesica, T.J. Bell, P. Bierzychudek, M. Bowles, E. Crone, D.F. Doak, J. Ehrlen, A. Ellis-Adam, K. McEachern, R. Ganesan, P. Latham, S. Luijten, **T.N. Kaye**^{E,7}, T.M. Knight, E.S. Menges, W.F. Morris, H. den Nijs, G. Oostermeijer, P.F. Quintana-Ascencio, J.S. Shelley, A. Stanley, A. Thorpe, T. Ticktin, T. Valverde, and C. Weekley. In press. Matrix population models from 20 studies of perennial plant populations. *Ecology*.
- Clark, D.L., M. Wilson, R. Roberts, P.W. Dunwiddie, A. Stanley and **T.N. Kaye**. 2012. Plant traits – a tool for restoration? *Applied Vegetation Science*. Doi: 10.1111/j.1654-109X.2012.01198.x.
- Seabloom, E.W., C.D. Benfield, E.T. Borer, A.G. Stanley, **T.N. Kaye**^{B,6}, and P.W. Dunwiddie. 2011. Provenance, lifespan, and phylogeny do not affect grass species' responses to nitrogen and phosphorus. *Ecological Applications* 21:2129-2142.
- Thorpe, A.S. and **T.N. Kaye**^{ABC,2}. 2011. Conservation and reintroduction of the endangered Willamette daisy. *Native Plants Journal* 12:289-298.
- Stanley, A.G., P.W. Dunwiddie, and **T.N. Kaye**^{ABC,2}. 2011. Restoring invaded Pacific Northwest prairies: management recommendations from a region-wide experiment. *Northwest Science* 85:233-246.
- Dennehy, C., H.E. Anderson, D.R. Clements, E.R. Alverson, **T.N. Kaye**^{BD,7}, and R. Gilbert. 2011. Management strategies for invasive plants in Pacific Northwest prairies and oak woodlands. *Northwest Science* 85:329-351.
- Stanley, AG., **T.N. Kaye**^{ABC,2}, and Peter Dunwiddie. 2011. Multiple treatment combinations and seed addition increase abundance and diversity of native plants in Pacific Northwest prairies. *Ecological Restoration* 29:35-44.
- Crone, E., E. Menges, M. Ellis, T. Bell, P. Bierzychudek, J. Ehrlen, **T.N. Kaye**^{AB,7}, T. Knight, P. Lesica, W. Morris, G. Oostermeijer, P. Quintana-Ascencio, A. Stanley, T. Valverde, T. Ticktin, and J. Williams. 2011. How do plant ecologists use matrix population models? *Ecology Letters* 14:1-8. doi: 10.1111/j.1461-0248.2010.01540.x

- Miller, S.A., A. Bartow, M. Gisler, K. Ward, A.S. Young, and **T.N. Kaye**^{ABD,3}. 2011. Can an ecoregion serve as a seed transfer zone? Evidence from a common garden study with five native species. *Restoration Ecology* 19:268-276. doi: 10.1111/j.1526-100X.2010.00702.x
- Wilson, B.L., V. Hipkins, and **T.N. Kaye**^{C7}. 2010. One taxon or two: Are *Frasera umpquaensis* and *F. fastigiata* (Gentianaceae) distinct species? *Madrono* 57:106-119.
- Lawrence, B.A.*** and **T.N. Kaye**^{AB,4}. 2009. Reintroduction of *Castilleja levisecta*: Effects of ecological similarity, source population genetics, and habitat quality. *Restoration Ecology*. doi: 10.1111/j.1526-100X.2009.00549.x
- Kaye, T.N.^{E,1}**. 2008. Vital steps toward success of endangered plant reintroductions. *Native Plants Journal* 9:313-322.
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b. CHAPTERS IN BOOKS

Kaye, T.N.^{E,1} and **M. Blakeley-Smith***. 2006. False-brome (*Brachypodium sylvaticum*). In, *Invasive Species in the Pacific Northwest*. P.D. Boersma, S.E. Reichard, and A.N. van Buren, editors. University of Washington Press, Seattle. Pages 80-81.

Schreiner, E.G., M.B. Gracz, **T.N. Kaye**^{B6}, M.B. Woodward, and N.M. Buckingham. 1994. Chapter 12, Rare plants. In, D.B. Houston, E.G. Schreiner, and B.B. Moorhead, editors. *Mountain goats in Olympic National Park: biology and management of an introduced species*. Scientific Monograph NPS/NROLYM/NRSM-94/25, United States Department of the Interior, National Park Service. Pp. 173-185.

c. TECHNICAL REPORTS AND OTHER NON-PEER REVIEWED ARTICLES

SEVERAL DOZEN TECHNICAL, UNPUBLISHED REPORTS ARE AVAILABLE ON LINE AT MY WEBSITE (WWW.APPLIEDECO.ORG/REPORTS), WHICH I REGULARLY MAINTAIN.

RESEARCH PUBLICATIONS

Kaye, T.N.^{E,1} 2017. Working toward the same goal: Reintroduction of rare plants in support of wild population conservation. *Douglasia* 41:4-8.

Kaye, T.N.^{E,1}, R. Schwindt, and C. Menke. 2011. Do private land owners support species conservation? Results of a local survey (Oregon). *Ecological Restoration* 29:10-12.

Fairbarns, M.D., C. Webb, L.K. Blight, N. Page, B. Costanzo, **T.N. Kaye**, T. Lea and J. McIntosh. 2007. Recovery Strategy for the Pink Sand-verbena (*Abronia umbellata*) in Canada. Species at Risk Act Recovery Strategy Series. Parks Canada Agency, Ottawa. vi + 21 pp.

Lawrence, B.A.* and **T.N. Kaye**^{AB,5}. 2005. Growing *Castilleja* for restoration and the garden. *Rock Garden Quarterly* 63:128-134.

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Kaye, T.N.^{E,1} and J. Cramer. 2003. Direct seeding or transplanting: The cost of restoring populations of Kincaid's lupine (Oregon). *Ecological Restoration* 21:224-225.

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Kaye, T.N.^{E,1} 1991. Inventory of the vascular flora of Dungeness Spit, Clallam County, Washington. *Douglasia Occasional Papers* 4:2-25.

Wilson, M.V., C.A. Ingersoll, and **T.N. Kaye**^{B,5}. 1991. Rare Kincaid's lupine, Fender's blue butterfly focus of prairie restoration (Oregon). *Restoration and Management Notes* 9:109-110.

PUBLICATIONS IN PROCEEDINGS

Kaye, T.N.^{E,1} 2011. Toward successful reintroductions: The combined importance of species traits, site quality, and restoration technique. In, J.W. Willoughby, B.K. Orr, K.A. Schierenbeck, and N.J. Jensen [eds.], *Proceedings of the CNPS Conservation Conference: Strategies and Solutions*, 17-19 Jan 2009, California Native Plant Society, Sacramento, CA. pp. 99-106.

Kaye, T.N.^{E,1} 2004. Reintroducing the endangered pink sand-verbena to Pacific Coast beaches: Direct

- seeding and out-planting. In Brooks, M.B., S.K. Carothers, and T. LaBlanca, eds. The Ecology and Management of Rare Plants of Northwestern California: Proceedings from a 2002 Symposium of the North Coast Chapter of the California Native Plant Society. California Native Plant Society, Sacramento, California.
- Kaye, T.N.^{E1}** 2001. Common ground and controversy in native plant restoration: the SOMS debate, source distance, plant selections, and a restoration-oriented definition of native. In, Native Plant Propagation and Restoration Strategies. R. Rose and D. Haase, editors. Nursery Technology Cooperative and Western Forestry and Conservation Association, Corvallis, Oregon.
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- Kaye, T.N.^{E1}** 1999. Propagation of endangered species: Variable germination of pink sandverbena from Pacific Coast beaches. Combined Proceedings of the International Plant Propagators Society 49:617-621.
- Kaye, T.N.^{E1}**, M. Kirkland, and N. Testa. 1999. Growing endangered plants to save them: germinating, propagating and restoring pink sandverbena. In, Native plants: propagating and planting. R. Rose and D. Haase, editors. Forest Research Lab, Oregon State University. Pp. 100-107.
- Kaye, T.N.^{E1}**, R.J. Meinke, J. Kagan, S. Vrillakas, K.L. Chambers, P.F. Zika, and J.K. Nelson. 1997. Patterns of rarity in the Oregon flora: implications for conservation and management. In, Kaye, T.N., A. Liston, R.M. Love, D. Luoma, R.J. Meinke, and M.V. Wilson [editors]. Conservation and management of native plants and fungi. Native Plant Society of Oregon, Corvallis, Oregon.
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- Greenlee, J. and **Kaye, T.N.^{E2}**. 1997. Stochastic matrix projection: a comparison of the effect of element and matrix selection methods on quasi-extinction risk for the rare plant *Haplopappus radiatus*. In, Kaye, T.N., A. Liston, R.M. Love, D. Luoma, R.J. Meinke, and M.V. Wilson [editors]. Conservation and management of native plants and fungi. Native Plant Society of Oregon, Corvallis, Oregon.

SOCIETY NEWSLETTERS AND TRADE JOURNALS

- Kaye, T.N.^{E1}** 2017. Nested Intensity Monitoring: Tracking rare plant populations at multiple levels to improve efficiency. Society of Ecological Restoration Newsletter 31(3). Available online: <http://www.ser.org/page/SERNews>.
- Kaye, T.N.^{E1}**, K. Amsberry, S.D. Gisler, and R.J. Meinke. 1998. Back from the brink: the challenges of endangered plant re-introduction. Hortus West 9:4-9, 90-91.
- Kaye, T.N.^{E1}** 1995. Re-introduction of pink sandverbena to beaches in western North America. Re-introduction News 11:12.
- Kaye, T.N.^{E1}** 1992. Ethics and guidelines for rare plant reintroductions. Hortus Northwest 2:12-13.
- Kaye, T.N.^{E1}** and E. McEvoy. 1992. Native Plant Society of Oregon policy statement on reintroduction of extirpated or rare species. Bulletin of the Native Plant Society of Oregon 25:5-6.
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- Kaye, T.N.^{E1}** 1990. Newberry's gentian and the effect of biased collections on taxonomy. Bulletin of the Native Plant Society of Oregon 24:131.
- Kaye, T.N.^{E1}** 1990. Chromosome numbers for *Crepis nana* ssp. *ramosa*, *Senecio flettii* (Asteraceae), *Campanula piperi* (Campanulaceae), *Astragalus australis* var. *olympicus* (Fabaceae), *Petrophytum hendersonii* (Rosaceae), and *Pedicularis bracteosa* var. *atrosanguinea* (Scrophulariaceae). IOPB Newsletter 15, Chromosome Data section.
- Kaye, T.N.^{E1}** 1989. Rare plant field report: *Senecio ertterae* in Leslie Gulch. Bulletin of the Native Plant

Society of Oregon 22:122-124.

Kaye, T.N.^{E.1} 1988. Endemism and rarity in plants. Bulletin of the Native Plant Society of Oregon 22:23-24.

PAPERS AND BOOKS PUBLISHED ON THE INTERNET (NON-REFEREED)

Kaye, T.N.^{E.1}, M. Gisler, and R. Fiegenger (editors). 2003. Proceedings of a Conference on Native Plant Restoration and Management on Public Lands in the Pacific Northwest: Rare Plants, Invasive Species and Ecosystem Management. Institute for Applied Ecology, Corvallis, Oregon (on-line abstracts).

<http://www.appliedeco.org/RestorationConference2003/ConferenceProceedings03.htm>

Kaye, T.N.^{E.1} 2001. *Brachypodium sylvaticum* (Poaceae) in the Pacific Northwest. Botanical Electronic News No. 277. Available on the web at:

<http://www.ou.edu/cas/botany-micro/ben/ben277.html>

Kaye, T.N.^{E.1} 2000. Notes on the geographic distribution and taxonomy of *Lupinus sulphureus* ssp. *kincaidii* (Fabaceae): Watch for it in your neighborhood. Botanical Electronic News No. 243. Available on the web at:

<http://www.ou.edu/cas/botany-micro/ben/ben243.html>

Kaye, T.N.^{E.1} 1995. *Cimicifuga elata* - some comments on its ecology & distribution. Botanical Electronic News No. 121. Available on the web at:

<http://www.ou.edu/cas/botany-micro/ben/ben121.html>

BOOK REVIEWS

Kaye, T.N.^{E.1} 1994. Book Review: Plants of the Pacific Northwest Coast by Jim Pojar and Andy MacKinnon. Bulletin of the Native Plant Society of Oregon 27:104.

Kaye, T.N.^{E.1} 1994. Book Review: Plant Identification Terminology, An Illustrated Glossary by James G. Harris and Melinda Woolf Harris. Bulletin of the Native Plant Society of Oregon 27:114.

Kaye, T.N.^{E.1} 1990. A Restoration-Oriented Forestry: Ancient Forests of the Pacific Northwest by Elliot A. Norse. Restoration & Management Notes. Volume 8(1).

d. **BOOKS**

Kaye, T.N. and C. Bush. 2019. Columbia County Field Guide for Noxious Weeds. Institute for Applied Ecology, Corvallis, Oregon and Columbia County Soil and Water Conservation District, St. Helens, Oregon.

Schwindt, R., L. Wiseheart, and **T.N. Kaye**. 2012. Field Guide to Weeds of the Oregon Coast. Institute for Applied Ecology, Corvallis, Oregon.

Schwindt, R., L. Wiseheart, and **T.N. Kaye**. 2011. Field Guide to Weeds of Eastern Oregon. Institute for Applied Ecology, Corvallis, Oregon.

Wiseheart, L. and **T.N. Kaye**. 2009. Field Guide to Weeds of the Willamette Valley. Institute for Applied Ecology, Corvallis, Oregon.

Kaye, T.N., A. Liston, R.M. Love, D. Luoma, R.J. Meinke, and M.V. Wilson [editors]. 1997. Conservation and management of native plants and fungi. Native Plant Society of Oregon, Corvallis, Oregon.

Buckingham, Nelsa, E.G. Schreiner, **T.N. Kaye**, and J.E. Burger, and E.L. Tisch. 1995. Flora of the Olympic Peninsula. Northwest Interpretive Association and the Washington Native Plant Society. Seattle, Washington. 199 pp.

e. **MANUSCRIPTS IN REVIEW**

3. PROFESSIONAL MEETINGS AND SEMINARS:

a. INTERNATIONAL AUDIENCES

INVITED PRESENTATIONS: (When serving as sole presenting author)

1. 2020. Kaye, T.N. From Seed to Shining Seed: How restoring diversity will save us all. American Public Gardens Association. **Plenary**.
2. 2019. Kaye, T.N. Restoring habitat and hope: The Sagebrush in Prisons Project. Society for Ecological Restoration International Conference, Cape Town, South Africa.
3. 2017. Kaye, T.N. Using plant traits to predict reintroduction success of endangered species. EcoTas: Joint Conference of the Ecological Society of Australia and New Zealand Ecological Society. Hunter Valley, Australia.
4. 2006. Kaye, T.N. International Northwest Parks and Recreation Association, annual conference, "A Habitat Conservation Plan for Benton County, Oregon," Corvallis, Oregon.
5. 1999. Kaye, T.N. International Plant Propagators' Society, annual conference, "Propagation of endangered species: 'Fickle' germination of pink sandverbena from Pacific Coast beaches," Wilsonville, Oregon.
6. 1996. Kaye, T.N. Scandinavian Association for Pollination Ecology, "Breeding system and insect interactions of an endangered species, *Lomatium bradshawii* (Apiaceae)," Umeå, Sweden.

b. NATIONAL AND REGIONAL AUDIENCES

INVITED PRESENTATIONS: (When serving as the presenting author)

7. 2022. Kaye, T.N. Coping With Climate: How our changing environment is affecting native plants and habitat restoration in the Pacific Northwest and beyond. Native Plant Materials Virtual Conference, Corvallis, Oregon.
8. 2021. Kaye, T.N. Coping With Climate: How our changing environment is affecting native plants and habitat restoration in the Pacific Northwest and beyond. Northwest Regional Invasive Species & Climate Change Network (NW RISCC) 2021 Symposium, Portland, Oregon.
9. 2021. Kaye, T.N. Diversity is magic: Emerging issues in selecting appropriate native plants for ecosystem restoration. Society for Ecological Restoration, University of Oregon Chapter.
10. 2021. Kaye, T.N. Coping with Climate: How our changing environment is affecting native plants and habitat restoration in the Pacific Northwest and beyond. Institute for Applied Ecology, Stories from the Field (webinar series).
11. 2020. Kaye, T.N. Diversity is magic: Emerging issues in selecting appropriate native plants for ecosystem restoration. Natural Areas Association (webinar).
12. 2020. Kaye, T.N. Diversity is magic: Emerging issues in selecting appropriate native plants for ecosystem restoration. Natural Areas Association (webinar).
13. 2020. TN Kaye. Diversity is magic: Emerging issues in selecting appropriate native plants for ecosystem restoration. Society for Ecological Restoration (webinar).
14. 2019. Kaye, T.N. Diversity is Magic: Emerging issues in selecting appropriate native plants for ecosystem restoration. IUCN Commission on Ecosystem Management, Ecosystem Restoration Thematic Group (ERTG) monthly webinar series (December).
15. 2019. Kaye, T.N. Climate change impacts and strategies for oak systems. East Cascades Oak Partnership, Hood River, Oregon (delivered by video link).
16. 2019. Kaye, T.N. From extinction to recovery? Reintroducing golden paintbrush to the Willamette Valley. Center for Plant Conservation conference, Chicago, Illinois.
17. 2019. Kaye, T.N. RestoreNet: Improving prairie restoration outcomes through a regional network of replicated experiments. Institute for Applied Ecology, webinar.

18. 2019. Kaye, T.N. Restoration 360: Oak and Prairie Restoration from start to finish. Oregon Conservation Education and Assistance Network, CONNECT Conference, Bend, Oregon.
19. 2018. Kaye, T.N., M.A. Bahm. RestoreNet: Improving prairie restoration outcomes through a regional network of replicated experiments. Cascadia Prairie Oak Partnership Conference, Eugene, Oregon.
20. 2018. Kaye, T.N. Partnering with Pollinators: Prairie restoration to support diverse pollinating insects. Natural Areas Association, webinar.
21. 2018. Kaye, T.N. Diversity is magic: Native seeds lead to restoration success. Society for Range management, Reno, Nevada.
22. 2017. Kaye, T.N. Restoration and management of prairie habitats to support pollinating insects. Pollinator Conservation Symposium, Natural Areas Conference, Fort Collins, Colorado.
23. 2017. Kaye, T.N. Reintroduction of endangered plant species. Center for Plant Conservation, San Diego Zoo Global, Sand Diego, California.
24. 2017. Kaye, T.N., M.A. Bahm, I. Pflingsten, A.S. Thorpe, and E. Gray. Fewer than thought: A model based on population resurveys of a rare orchid suggests aging conservation databases may overestimate current abundance. Ecological Society of America, Portland, Oregon.
25. 2017. Kaye, T.N. Conservation and Science in Prisons. Invited speaker at the Diversity Luncheon. Ecological Society of America, Portland, Oregon.
26. 2017. Kaye, T.N. Monarchs and Other Butterflies in Benton County. Natural Areas Celebration Week, Corvallis, Oregon.
27. 2017. Kaye, T.N. False-brome in the western US: Invasion, ecology, identification and control methods. New York Invasive Species Network (**webinar:** <https://www.youtube.com/watch?v=LyoeUSF6RY8>).
28. 2017. Kaye, T.N. Diversity is magic: Native seeds lead to restoration success. National Native Seed Conference, Washington DC (**Plenary speaker**).
29. 2016. Kaye, T.N. Oak and prairie understory habitat restoration: A few lessons learned. Klamath-Siskiyou Oak Network, Medford, Oregon.
30. 2016. Kaye, T.N. Cross-pollination Over Prison Walls: Working With Incarcerated People to Produce Plants for Pollinators and Habitat Restoration. Presented in a Symposium on Pollinators, Plants and People, Natural Areas Association, Davis, California.
31. 2016. Kaye, T.N. Nested Intensity Monitoring: Tracking Rare Plant Populations at Multiple Levels to Improve Efficiency. Presented in a Symposium on Prairie Restoration, Society for Ecological Restoration, Portland, Oregon.
32. 2015. Kaye, T.N. Lessons learned in prairie restoration. Network of Oregon Watershed Councils and Oregon Association of Conservation Districts conference, Eugene, Oregon.
33. 2015. Kaye, T.N. Potential Effects of Climate Change on Rare Native Species in Oregon: An Assessment with Climate Driven Population Models. Cascadia Prairie Oak Partnership conference, Tacoma, WA.
34. 2015. Kaye, T.N. Controlling Invasives When Endangered Species are Present: The RESIST Database and Wiki as a Resource for Land Managers. Cascadia Prairie Oak Partnership conference, Tacoma, WA.
35. 2015. Kaye, T.N. Managing Restored Wetland Prairies for Native Diversity and Resistance to Invasion. National Native Seed Conference, Santa Fe, New Mexico.
36. 2015. Kaye, T.N. Conducting conservation projects in prisons. Plant Conservation Alliance, Washington DC.

37. 2014. Kaye, T.N., J. Krueger, S. Bois, T. Taylor, D. Steeck. Wetland restoration for native diversity and resistance to invasion: new tools. Presented in a Symposium on Prairie Restoration, Society for Ecological Restoration, Redmond, Oregon.
38. 2014. Introduction to Willamette Valley grasslands. The Wildlife Society professional workshop on grassland connectivity, Portland, Oregon.
39. 2013. Using plant traits to predict reintroduction success of endangered species. Ecological Society of America, Minneapolis, Minnesota. Organized Oral Session on Plant Reintroductions As Sustained Ecological Experiments: Results and Feedbacks To Restoration and Theory (**T.N. Kaye, session organizer**).
40. 2013. Back to the Future: Using information from historic plant specimens to guide endangered species reintroductions. Smithsonian Institution, Museum of Natural History. Washington, DC.
41. 2012. Controlling invasives and promoting native species in western Oregon and Washington, habitats using fire and other methods, Fire Ecology and Management Congress, Portland, Oregon.
42. 2012. Oregon Sustainable Prisons Project. Sustainability in Prisons Project National Conference. Olympia, WA.
43. 2012. Shifting Paradigms: Results of an International Survey of Restoration and Climate Change. Conserving Plant Biodiversity in a Changing World: A View from NW North America. Seattle, WA.
44. Kaye, T.N., K. Jones and I. Pfingsten. 2012. Does biological diversity of neighboring habitat control reintroduction success of endangered species? Ecological Society of America, Portland, Oregon.
45. 2012. Strategies for Landscape Control and Containment of False-brome. False Brome Working Group Workshop, Portland, OR.
46. 2011. A Habitat Conservation Plan for Benton County. The Wildlife Society conference, Workshop on Implementing the ESA: A primer for wildlife professionals. Bend, Oregon.
47. 2011. Strategies for Landscape Control and Containment of False-brome. False Brome Working Group Workshop, Corvallis, OR.
48. 2010. How to Make Endangered Plant Reintroductions Succeed: The Combined Importance of Species Traits, Site Quality, and Restoration Technique. Fifth Western Native Plant Conference, Portland, OR.
49. 2009. Towards Successful Reintroductions: The Combined Importance of Species Traits, Site Quality, and Restoration Technique. California Native Plant Society Symposium, Sacramento, CA.
50. 2008. National Recreation and Parks Association. A Prairie Species Habitat Conservation Plan for Benton County. Bend, OR.
51. 2008. Oregon Dunes Conservation Symposium. Effects of competition and nutrient availability on pink sandverbena reintroduction. Hatfield Marin Science Center, Newport, Oregon.
52. 2008. False Brome Working Group Workshop. False-brome (*Brachypodium sylvaticum*) in the Pacific Northwest: A major threat to native ecosystems. Eugene, Oregon.
53. 2007. Vital steps toward success of endangered plant reintroductions. Fourth Pacific Northwest Native Plants Conference, Eugene, OR.
54. 2006. Local adaptation and outbreeding depression in restored plant populations. Native Seed Network Conference on Plant Materials. Corvallis, OR.
55. 2004. Endangered plant reintroduction in Willamette Valley prairies. Ecological Society of America. Portland, OR.
56. Kaye, T.N. and D.A. Pyke. 2003. Does correlation among vital rates matter? The effect of correlation structure on estimates of population viability. Ecological Society of America. Savannah, GA. Symposium abstracts p.176
57. 2002. Ecology and Management of Rare Plants of Northwestern California. Reintroducing the Endangered Pink Sandverbena to Pacific Coast Beaches. Crescent City, CA.

58. Kaye, T.N. and D.A. Pyke. 2001. A comparison of approaches to population viability analysis with matrix models: Does stochastic method matter? Ecological Society of America. Madison, WI.
59. 2001. Native Plant Propagation and Restoration Strategies. **Keynote address:** Common ground and controversy in native plant restoration. OSU Nursery Technology Cooperative. Eugene, Oregon.
60. 2000. Washington rare plant and ecosystems conference. Germination and propagation of rare plants of western prairies. Center for Urban Horticulture, Seattle, Washington.
61. 1999. The effect of fire on the population viability of an endangered plant. Population Viability Analysis Conference: Assessing Models for Recovering Endangered Species. San Diego, California (March 15-16, 1999).
62. 1998. Population viability analysis with matrix models: a comparison of approaches. Ecological Society of America. Baltimore, Maryland. Symposium Abstracts p. 79.
63. 1998. Native Plant Propagation and Planting Conference. Growing rare plants to save them: germinating, propagating and restoring pink sandverbena. Corvallis, Oregon.
64. 1997. Oregon Shores Conservation Coalition, annual conference. Endangered species reintroduction and habitat restoration on the Oregon Coast. Newport, Oregon.
65. 1997. Southwestern Oregon Wildflower Conference. Reintroducing the rare pink sandverbena to Oregon beaches. Charleston, Oregon.
66. 1997. Effects of timber harvest on *Cimicifuga elata*, a rare plant of northwestern North American forests. Natural Areas Association Conference. Portland, Oregon.
67. 1997. Effects of timber harvest practices on populations of *Cimicifuga elata*, a rare plant of western North American forests. Ecological Society of America. Albuquerque, New Mexico. Bulletin of the Ecological Society of America (Supplement) 78:121.
68. 1996. Oregon Vegetation Management Association, annual meeting. Threatened and endangered plants of the Oregon Coast. Newport, Oregon.
69. 1995. Reintroduction of the endangered pink sandverbena (*Abronia umbellata* ssp. *breviflora*) on dredge material and natural beaches in Oregon. Bulletin of the Ecological Society of America (Supplement) 76:348. Snowbird, Utah.
70. 1994. Kaye, T.N., K. Connelly, and K. Finley. Population viability analysis of an endangered plant, *Lomatium bradshawii*, under three prairie burning treatments. Bulletin of the Ecological Society of America (Supplement) 75:106. Knoxville, Tennessee.
71. 1993. Inventory and monitoring of special status plants, workshop sponsored by the Bureau of Land Management. Matrix modeling for Population Viability Analysis of rare plants. Medford, Oregon.
72. 1992. USFS Botanists conference. Monitoring techniques for threatened and endangered plants: case studies from Oregon. Spokane, Washington.
73. Kaye, T.N. and K. Kuykendall. 1992. The breeding system of *Aster vialis* and implications for conservation. AIBS Annual Meeting, General Program, p.169. Honolulu, Hawaii.
74. 1991. USFS Botanists conference. Case studies for monitoring threatened and endangered plants. Hood River, Oregon.
75. 1990. USFS Botanists conference. Monitoring techniques for threatened and endangered plants. Carson, Washington.
76. 1990. Reproductive ecology of *Astragalus australis* var. *olympicus* (Fabaceae), a narrow endemic from the Olympic Peninsula, Washington. Bulletin of the Ecological Society of America (Supplement) 71:208. Snowbird, Utah.
77. 1988. Threats to survival of the narrow endemic plant, *Astragalus australis* (L.) Lam. var. *olympicus* Isely, from the Olympic Mountains, Washington. Proceedings of the Pacific Division, American Association for the Advancement of Science 7(1):32. Corvallis, Oregon.

78. 1988. Vegetation chronosequence along a sand deposition gradient at Dungeness Spit, Olympic Peninsula, Washington. *Northwest Science* 62(2):76. Ashland, Oregon.
79. 1988. Sensitive plant species workshop: BLM and USFS Botanists conference. Monitoring techniques for threatened and endangered plants. Medford, Oregon.

CONTRIBUTED PRESENTATIONS: (When a lab member mentored by me or a project collaborator served as the presenting author)

80. Bush, K., Nadkarni, N, and T.N. Kaye. 2021. Nature Equity & Justice: Critical Conversations & Diverse Populations. UW Nature and Health Virtual Conference, Seattle, WA.
81. St Clair, A.B., P. Dunwiddie, J. Fant, TNKaye, and A. Kramer. 2020. Considerations when mixing source populations to restore rare plants. Virtual symposium: Protecting California's Diversity: Genetic Considerations for Native Planting and Restoration, California Native Plant Society.
82. Bahm, M.A., T.N. Kaye, S. Walters, S. Waters, W. Messinger, and D. Cappaert. 2020. Investigating pollinator community effects on Willamette daisy. Oregon Chapter of the Wildlife Society Annual Meeting, Eugene, OR.
83. Allen, G.A., T.N. Kaye, and J. Kierstad. 2020. Species boundaries and the conservation of rare asters (*Eucephalus*, Asteraceae). Northern California Botanists Symposium, Chico, CA.
84. Allen, G.A., T.N. Kaye, and J. Kierstad. 2019. Untangling taxonomic complexities and the conservation of rare asters (*Eucephalus*, Asteraceae). Botanical Society of America, Tuscon, AZ.
85. Sandlin, I. and T.N. Kaye. 2017. Transforming conservation conflicts into mutual benefits: Using mismatched ploidy levels to avoid hybridization between a threatened plant and an endangered butterfly's host. Ecological Society of America, Portland, Oregon.
86. Menke, C. and T.N. Kaye. 2017. Using herbicides to control invasive grasses in the presence of a rare plant. Ecological Society of America, Portland, Oregon.
87. Bahm, M.A., M.I. Petix, B. Wender, and T.N. Kaye. 2017. Assessing management techniques for *Lomatium cookii* (Cook's desert parsley). Ecological Society of America, Portland, Oregon.
88. Crane, B.S., J.M. Cruse-Sanders, J. Downing, J.L. Hamrick, K. Havens, A. Highland, S. Jacobi, T.N. Kaye, A.T. Kramer, E.V. Lonsdorf, A. Novy, J.M. Ramp Neale, P. Smouse, D. Tallamy, A. White. When does local matter? A new tool to assess risks and benefits when selecting native plant materials for planting. Global Botanic Gardens Congress Conference, Geneva.
89. Thomas, T.B., J. Arnett, P.W. Dunwiddie, T.N. Kaye, J. Lantor, S. Pearson. 2015. Golden paintbrush, on the road to recovery: what have we accomplished, what next? Cascadia Prairie Oak Partnership conference, Tacoma, WA.
90. Giles-Johnson, D., M. Bahm, E.C. Gray, and T.N. Kaye. 2015. Adaptive coastal prairie restoration: initial results from an ongoing study. Cascadia Prairie Oak Partnership conference, Tacoma, WA.
91. Getty, J., M. Gisler, and T.N. Kaye. 2015. Sourcing native plant materials through the Willamette Valley Native Plant Materials Partnership. Cascadia Prairie Oak Partnership conference, Tacoma, WA.
92. Dunwiddie, P.W. T.N. Kaye, and J.D. Bakker. 2015. Is restoration dead? The future of prairie conservation in the Pacific Northwest. Cascadia Prairie Oak Partnership conference, Tacoma, WA.
93. Esterson, A. and T.N. Kaye. 2015. Plant-soil feedback by an invasive grass, *Brachypodium sylvaticum*, in Douglas-fir forests. Cascadia Prairie Oak Partnership conference, Tacoma, WA.
94. Bahm, M.A., D. Giles-Johnson, E. Gray and T.N. Kaye. 2015. Lessons learned from carbon addition experiments in the Willamette Valley. Cascadia Prairie Oak Partnership conference, Tacoma, WA.
95. Gunther, L., D. Rutt, S. Moore and T.N. Kaye. 2015. Supporting prison conservation efforts through diverse partnerships. Cascadia Prairie Oak Partnership conference, Tacoma, WA.

96. Moore, S. L. Gunther, and **T.N. Kaye**. 2015. Engaging Prisons in Sagebrush Propagation. Cascadia Prairie Oak Partnership conference, Tacoma, WA.
97. Moore, S., **T.N. Kaye**, and L. Gunther. 2015. Sage grouse habitat conservation through prisons. National Native Seed Conference, Santa Fe, New Mexico.
98. Krueger, J., T. Taylor, **T.N. Kaye**, S. Bois, D. Steeck, P. Boulay, T. Nadeau. 2014. Practical Guidelines for Wetland Prairie Restoration in the Willamette Valley, Oregon - Field-Tested Methods and Techniques, Society for Ecological Restoration, Redmond, Oregon.
99. Giles-Johnson, D., E. Gray, S. Bois, **T.N. Kaye**. 2014. New approaches to managing prairie habitat for Willamette daisy, Society for Ecological Restoration, Redmond, Oregon.
100. Gray, E., D. Giles-Johnson, S. Bois, **T.N. Kaye**. 2014. Using common gardens to assess climate effects on Kincaid's lupine, Society for Ecological Restoration, Redmond, Oregon.
101. Moore, P., M. Gisler, T.N. Kaye and E.C. Gray Recovery of Nelson's checkermallow through large scale production and introduction on public and private lands, Society for Ecological Restoration, Redmond, Oregon.
102. S. Moore, T.N. Kaye, and L. Guenther. Sage Grouse Habitat Conservation through Prisons, Society for Ecological Restoration, Redmond, Oregon.
103. **Lawrence, C.** and **T.N. Kaye**. 2014. Effects of carbon and nutrient addition on prairie communities and golden paintbrush establishment, Society for Ecological Restoration, Redmond, Oregon.
104. **Lawrence, C.** and **T.N. Kaye**. 2014. Responses of Pacific Northwest prairies to soil nutrient manipulations: Implications for restoration of *Castilleja levisecta* and control of invasive species, Ecological Society of America, Sacramento, California.
105. **Pfingsten, I.** and **T.N. Kaye**. 2014. Using climate-driven population models to assess species risk under climate change scenarios, Ecological Society of America, Sacramento, California.
106. Menges, E.S., T.J. Bell, **T.N. Kaye**, **I.A. Pfingsten**, M. Bowles, K. McEachern, C.W. Weekley. 2013. Comparative demography of reintroductions and wild populations to evaluate restorations and test ecological hypotheses, Ecological Society of America, Minneapolis, Minnesota.
107. Bell, T.J., M.L. Bowles, **T.N. Kaye**. 2013. Where you've been and where you're going: Seed source and reintroduction success, Ecological Society of America, Minneapolis, Minnesota.
108. Thorpe, A., S. Perakis, **T.N. Kaye**, and C. Catricala. 2012. Nutrient limitation of native and invasive N₂-fixing plants in Willamette Valley prairies. Ecological Society of America, Portland, Oregon.
109. **Pfingsten, I.** and **T.N. Kaye**. 2012. Use of local climate to improve predictions of plant population viability in future climates. Ecological Society of America, Portland, Oregon.
110. **Pfingsten, I.** and **T.N. Kaye**. 2012. Forecasting the Effects of Climate Change on Rare Plant Populations. Conserving Plant Biodiversity in a Changing World: A View from NW North America. Seattle, WA.
111. **Jones, K.** and **T.N. Kaye**. 2012. Ecological Drivers of Seedling Establishment and Survival of Endangered Prairie Plants. Conserving Plant Biodiversity in a Changing World: A View from NW North America. Seattle, WA.
112. **Pfingsten, I.** and **T.N. Kaye**. 2011. Effects of seasonal environments on stage-structured, rare plant populations. Ecological Society of America, Albuquerque, NM.
113. **Jones, K.** and **T.N. Kaye**. 2011. Determining ecological drivers of plant community composition: Which plant interactions govern seedling establishment and growth? Ecological Society of America, Albuquerque, NM.

114. Stanley, A., **T.N. Kaye**, and P. Dunwiddie. 2007. Regional strategies for restoring invaded prairies: Observations from a multisite, collaborative research project. Fourth Pacific Northwest Native Plants Conference, Eugene, OR.
115. Stanley, A., **T.N. Kaye**, and P. Dunwiddie. 2007. Regional Strategies for Restoring Invaded Prairies. Society for Ecological Restoration, Northwest Chapter, Yakima, Washington. Symposium abstracts.
116. Stanley, A., E. Seabloom, T.N. Kaye, and P. Dunwiddie. 2007. Plant invasion in Pacific grasslands: Is exotic richness a red herring? Ecological Society of America, San Jose, California. Symposium abstracts.
117. **Lawrence, B.** and **T.N. Kaye**. 2004. Inbreeding depression in *Castilleja levisecta*. Ecological Society of America. Portland, Oregon. Symposium abstracts.
118. **Blakeley-Smith, M.** and **T.N. Kaye**. 2004. Long-term effects of root rot control methods on forest understory vegetation. Ecological Society of America. Portland, Oregon. Symposium abstracts.
119. Caplow, F., **T.N. Kaye**, and D. Malkin. 2004. Population viability of Northern wormwood. Ecological Society of America. Portland, Oregon. Symposium abstracts.
120. Gracz, Michael B., **T.N. Kaye**, and Edward G. Schreiner. 1989. A report on the ecology of the Olympic endemic, *Astragalus cottonii*. Northwest Scientific Association. Northwest Science 62(2):52.
121. Massey, S.C., W. Messinger, **T.N. Kaye**, S. Kephart, and D. Flanagan. 1990. Reproductive ecology, morphology, and allozyme traits of two rare buckwheats (*Eriogonum*: Polygonaceae). Bulletin of the Ecological Society of America (Supplement) 71:241. Snowbird, Utah.

C. UNIVERSITY AND DEPARTMENTAL AUDIENCES

INVITED PRESENTATIONS: (When serving as the presenting author)

122. 2020. Oregon State University Science Pub. From extinction to recovery? Reintroducing golden paintbrush to the Willamette Valley (webinar).
123. 2019. University of Oregon, Institute of Ecology and Evolution. Reintroduction of endangered species: When local adaptation matters for demographic success.
124. 2019. Willamette University, Biology Department. From extinction to recovery? Reintroducing golden paintbrush to the Willamette Valley.
125. 2018. University of Washington, School of Environmental and Forest Sciences. Reintroduction Ecology of endangered plants: Theory, practice and partnerships.
126. 2016. Oregon State University, Center for Urban Horticulture. Natural area conservation: Habitats, species and opportunities.
127. 2016. Colorado State University. Reintroduction Ecology of endangered plants: Theory, practice and partnerships.
128. 2016. Society for Ecological Restoration, Student Chapter, Colorado State University. Using ecology as a stick to beat back extinction of golden paintbrush.
129. 2015. Linn-Benton Community College. Even Monarchs Get the Blues: Butterfly conservation in Western Oregon.
130. 2015. College of Environmental Science and Forestry, State University of New York. Reintroduction ecology of endangered plants: Recovering the regionally extinct golden paintbrush.
131. 2014. Department of Biology, Willamette University. Reintroduction ecology of endangered plants: Recovering the regionally extinct golden paintbrush.
132. 2012. Department of Botany and Plant Pathology, Oregon State University (Departmental seminar), Reintroduction ecology of endangered plants: Recovering the regionally extinct golden paintbrush.

133. 2012. Archbold Biological Station, Florida. Can native plants ever win? Synthesis of a five-year prairie restoration experiment in the Pacific Northwest.
134. 2012. Archbold Biological Station, Florida. Reintroducing an endangered parasitic plant: host diversity matters.
135. 2011. Portland State University, Portland, OR. Plant Pollination Ecology Seminar: Pollination biology of golden paintbrush.
136. 2011. College of Liberal Arts in collaboration with the Environmental Humanities Initiative. Wild Willow: Weaving Art, Humanities, and Science. Talk title: Ecology of Willows.
137. 2010 (Nov.) Department of Horticulture, Oregon State University. Towards Successful Reintroductions in the Face of Climate Change: The Combined Importance of Species Traits, Site Quality, and Restoration Technique.
138. 2008. OSU Biology Student Symposium, Newport, Oregon. **Keynote speaker:** Careers in Science in Nonprofit Organizations.
139. 2006 (Feb.) Department of Botany and Plant Pathology, Oregon State University (Departmental seminar), Experimental reintroductions of endangered plants: Developing techniques and measuring success.
140. 2005. Washington State University (Vancouver Campus), Biology Department Seminar. Reintroducing viable populations of endangered species.
141. 2004. Portland State University, Biology Department Seminar. Reintroducing viable populations of endangered species.
142. 2003 (Apr.) Department of Forest Science (Departmental seminar), Conservation and restoration of endangered prairie plants in the Willamette Valley: Developing management tools and reintroduction methods for Kincaid's lupine.
143. 2003 (Mar.) College of Forestry, Oregon State University (Deborah Johnson, coordinator), Effect of forest harvest on tall bugbane (*Cimicifuga elata*) on the McDonald-Dunn Forest, Oregon State University, Corvallis.
144. 1997. University of Washington, Seattle, Department of Botany. Effect of fire on the population viability of an endangered plant.

d. SOCIETIES AND AGENCIES

145. 2021. Kaye, T.N. Institute for Applied Ecology and butterfly conservation in Oregon. Rotary Club of Corvallis, Oregon.
146. 2021. Kaye, T.N. Coping With Climate: How our changing environment is affecting native plants and habitat restoration in the Pacific Northwest and beyond. Native Plant Society of Oregon, Salem Chapter.
147. 2021. Pollinators and pollen limitation in Willamette daisy. Prairie Plant Working Group, US Fish and Wildlife Service, Salem, Oregon.
148. 2020. Climate change and our native flora (webinar). Native Plant Society of Oregon, Portland Chapter.
149. 2020. From extinction to recovery? Reintroducing golden paintbrush to the Willamette Valley (webinar). Native Plant Society of Oregon, Emerald Chapter.
150. 2019. Pollination and pollen limitation in Willamette daisy. Army Corps of Engineers, Fern Ridge Office, Eugene, OR.
151. 2019. RestoreNet experimental design and planning workshop. Oregon Metro, Portland, Oregon.

152. 2019. From extinction to recovery? Reintroducing golden paintbrush to the Willamette Valley, Native Plant Society of Oregon, Willamette Valley Chapter, EcoHub, Salem, Oregon.
153. 2018. From extinction to recovery? Reintroducing golden paintbrush to the Willamette Valley. Native Plant Society of Oregon, Cheahmill Chapter, McMinnville, Oregon.
154. 2018. Conservation and hope for Willamette Valley prairies. Tap Talk, Block 15 Tap Room, Corvallis, Oregon.
155. 2018. Prairie habitat restoration: Diversity and restoration techniques. Clackamas County Master Gardeners, Milwaukie, Oregon.
156. 2017. Gene flow and hybridization between golden paintbrush and harsh paintbrush. Taylor's Checkerspot Working Group, US Fish and Wildlife Service, Portland, Oregon.
157. 2017. Conservation projects in Oregon. Rotary Club of Corvallis, Oregon.
158. 2017. Fewer than thought: Aging conservation databases may overestimate current abundance. Joint Bureau of Land Management and US Forest Service Botanists Meeting, Prineville, OR.
159. 2017. Golden Paintbrush Recovery in Oregon. Prairie Plant Working Group, US Fish and Wildlife Service, Salem, OR.
160. 2016. A Conservation Strategy for Taylor's checkerspot in Oregon. Taylor's Checkerspot Working Group, Washington Department of Wildlife, Olympia, WA.
161. 2016. Action planning for Taylor's checkerspot butterfly in Oregon. Taylor's checkerspot working group, US Fish and Wildlife Service, Salem, OR.
162. 2015. Population Assessment of Arrow-leaf Thelypody. Bureau of Land Management Botanists Meeting, Corvallis, OR.
163. 2015. Sage Grouse Habitat Conservation Through Prisons. Bureau of Land Management Botanists Meeting, Corvallis, OR.
164. 2015. Effects of weather and forecasted climate change on population growth in Fender's blue butterfly. 2015 Fender's blue butterfly agency workshop, US Fish and Wildlife Service.
165. 2014. Nested Intensity Monitoring: Strategies for tracking populations of rare plants. Bureau of Land Management Botanists Meeting, Bend, OR.
166. 2012. Ecology and evolutionary relationships of wayside aster (*Eucephalus vialis*): A summary of ten years of research. Bureau of Land Management Seminar Series, Eugene, OR.
167. 2012. Assessing impacts of climate change on rare and endangered plants of federal lands in Oregon. Bureau of Land Management Botanists Meeting, Corvallis, OR.
168. 2012. Reintroduction of golden paintbrush to Oregon. Native Plant Society of Oregon, McMinnville, OR.
169. 2012. A synthesis of prairie restoration research in western prairies: results and implications for management. Institute for Applied Ecology, Corvallis, OR.
170. 2011. Invasive species risk of *Arundo donax* in Oregon. Presentation and panel member for Oregon Department of Agriculture and Oregon Department of Environmental Quality, Salem, OR.
171. 2010. Taylor's Checkerspot Working Group, Washington Department of Wildlife, Olympia, WA. Dispersal behavior and habitat of Taylor's checkerspot in Oregon and Washington.
172. 2010. Native habitats and plants of Benton County. Environmental Issues Advisory Council Session on "Plants you love, Plants you hate." Corvallis, OR.
173. 2009. Native Plant Society of Oregon, Annual Meeting, Yachats, Oregon. **Keynote Speaker:** Habitat Restoration in a Changing Climate.
174. 2009. Native Plant Society of Oregon, Corvallis Chapter. Draft Prairie Species Habitat Conservation Plan. Corvallis, OR.
175. 2007. Conservation Research on Kincaid's lupine. Bureau of Land Management Seminar Series, Eugene, OR.

176. 2007. False-brome (*Brachypodium sylvaticum*) in the Pacific Northwest: A major threat to native ecosystems. Bureau of Land Management, Eugene, OR.
177. 2007. Naturescaping workshop, Corvallis, Oregon. Good Plant, Bad Plant: Native plants and invasive weeds in the garden.
178. 2006. Conservation Research on Public Lands. Bureau of Land Management Seminar Series, Corvallis, OR.
179. 2006. A Habitat Conservation Plan for Benton County. Governor's Oregon Solutions Conference on Wren Projects, Corvallis, OR.
180. 2006. Naturescaping workshop, Corvallis, Oregon. Good Plant, Bad Plant: Native plants and invasive weeds in the garden.
181. 2006. Experimental Habitat Manipulation of Wayside Aster. Bureau of Land Management Seminar Series, Eugene, OR.
182. 2006. Developing a West Eugene Wetlands Monitoring Plan. Bureau of Land Management, Eugene, OR.
183. 2005. Restoration and Reintroduction of Willamette Valley Rare Plants. Native Plant Society of Oregon, Corvallis Chapter.
184. 2005. Naturescaping workshop, Corvallis, Oregon. Good Plant, Bad Plant: Native plants and invasive weeds in the garden.
185. 2005. The Nature Conservancy, Grassland Round Table. Reintroducing endangered prairie species.
186. 2004. Native Plant Society of Oregon, Portland Chapter. Criteria for prioritizing rare plant locations for revisiting and monitoring.
187. 2004. Bureau of Land Management Seminar Series, Eugene District. Population biology and successful management methods for Kincaid's lupine and Fender's blue butterfly. Joint presentation with Cheryl Schultz, Washington State University.
188. 2003. Effects of fire on *Frasera umpquaensis* in the Siskiyou Mountains. Native Plant Society of Oregon, Corvallis, OR.

4. GRANT AND CONTRACT SUPPORT:

a. CURRENT SUPPORT

IAE currently has over 120 active grants and contracts ranging from less than \$1000 to over \$500,000 and totaling over \$4 million. Since my courtesy appointment at OSU the total grants and contracts received has exceeded \$12 million. My role in grants and contracts varies from a traditional PI role to a supportive role to staff in procuring grants, either through generating the primary concept, assisting with writing, framing the budget, and/or conducting meetings with partners. Of the active grants and contracts I am the PI or primary recipient on approximately \$2.1 million, and of the total received since my courtesy appointment I am the PI or primary recipient of approximately 8 million. Our annual budget in 2017 is \$3.2 million. The individual grants and contracts are too numerous to detail here. My role in grants and contracts varies from a traditional PI role to a supportive role to staff in procuring grants, either through generating the primary concept, assisting with writing, framing the budget, and/or conducting meetings with partners.

Some recent examples:

- Effects of biodiversity on the reintroduction success of golden paintbrush, (>\$250K ongoing, US Fish and Wildlife Service)
- Factors affecting reintroduction success of Cook's desert-parsley and comparative demography with wild populations (\$215K ongoing, Bureau of Land Management)

- Restoring Diverse, Invasion-Resistant, Wetland Prairies; and Practical Guidelines for Wetland Prairie Restoration - Field-Tested Methods and Techniques. This two-part grant is shared with the Lane Council of Governments, City of Eugene, and IAE (\$172K IAE share, EPA).
- Interactions of plant populations with herbivores and climate drivers, Greene's mariposa lily in managed and unmanaged systems (\$115K, BLM)
- Dispersal behavior, habitat preference and reserve design for Taylor's checkerspot butterfly (\$42K, US Fish and Wildlife Service)
- Use of transition matrix models by plant population ecologists and suggestions to improve model performance (unfunded collaboration with international colleagues through the National Center for Ecological Analysis and Synthesis).
- Forecasting the effects of climate change on threatened and endangered species with Climate Driven Population Models (\$97K, BLM)
- Climate change vulnerability assessments for endangered and invasive species in western Oregon (\$60K, BLM)
- Regional Strategies for Restoring Invaded Prairies. The Nature Conservancy, Priscilla Bullitt Collins Trust (2005-10): \$499,935; P.I.; Dr. Peter Dunwiddie, second P.I.; Dr. Mark Wilson, Dr. Deborah Clark, Manuela Huso, Dr. Stephen Griffith, co-P.I.'s (I co-wrote the proposal, managed the budget, hired the postdoc/Project Manager, managed employees, and engaged in the research and manuscript preparation).

5. COLLABORATIONS

- Reintroduction ecology: Peter Dunwiddie (University of Washington), Tim Bell (Chicago State University), Eric Menges (Archbold Biological Station), Ed Guerrant (Portland State University), Andrea Thorpe (NEON).
- Climate Driven Population Models: Pedro Quintana-Ascencio (University of Central Florida), Tim Bell (Chicago State University), Eric Menges (Archbold Biological Station), Gerard Oostermeijer (University of Amsterdam), Teresa Valverde (University of Mexico), Tamara Tickton (University of Hawaii), Tiffany Knight (Washington University).
- Climate change vulnerability assessment: Trevor Taylor (City of Eugene), Emily Steele (City of Eugene).
- Development of population projection models: Elizabeth Crone (Harvard), Martha Ellis (University of Montana), Bill Morris (Duke), Paulette Bierzychudek (Lewis and Clark College), Johan Ehrlen (University of Sweden), Peter Lesica (University of Montana), Tim Bell (Chicago State University), Eric Menges (Archbold Biological Station), Ed Guerrant (Portland State University).
- Ecology of invasions: Casey Dennehy (The Nature Conservancy), Ed Alverson (The Nature Conservancy), and R. Gilbert (US Military).
- Community ecology of prairie ecosystems: Eric Seabloom (University of Minnesota), Andrew MacDougal (University of Guelph), Peter Dunwiddie (University of Washington), Steve Griffiths (USDA), Amanda Stanley (Wilberforce Foundation), Mark Wilson (Oregon State University), Deborah Clark (Oregon State University), Manuela Huso (USGS Corvallis).
- Plant systematics of western taxa: Robert Menke (Oregon State University), Barbara Wilson (Oregon State University), Valerie Hipkins (US Forest Service Genetics Lab).
- Interactions of endangered species with manipulated habitats: Andrea Thorpe (NEON).
- Restoring the functions of resistance and resilience in wetland prairies: Jeff Krueger (Lane Council of Governments), Andrea Thorpe (NEON), Amanda Stanley (Wilberforce Foundation).
- Effects of plant provenance on performance: Amy Bartow and Dale Darris (USDA NRCS), Stephanie Miller (ODFW), Barbara Wilson (Oregon State University), Rob Fiegenger (IAE).
- Patterns of plant rarity: Robert Menke (Oregon State University), Jimmy Kagan (OSU INR), Sue Vrilakas (OSU INR), Kenton Chambers (Oregon State University), Julie Nelson (US Forest Service).

6. CONTRIBUTION TO CORE INFRASTRUCTURE

N/A, Courtesy Appointment

D. Service

1. UNIVERSITY SERVICE

Department Committees

- Promotion and Tenure Committee member for Department of Botany and Plant Pathology (2015-16, 2016-17, 2017-18)
- Curriculum Committee member for Department of Botany and Plant Pathology (2010-11, 2011-12, 2012-13, 2013-14, 2014-15)
- Curriculum Committee, Student representative, Department of Botany and Plant Pathology, Oregon State University, 1989.
- Promotion and Tenure Committee, Student representative, Department of Botany and Plant Pathology, Oregon State University, 1998.

University and College Committees

- College of Forestry, Research Forests Invasive Plant Committee (2005-2008)

2. SERVICE TO THE PROFESSION

Professional societies:

Society for Ecological Restoration (1992-present, Lifetime Member, **Board Member** 2018-2020)
 Ecological Society of America (2001-present)
 American Botanical Society (1987-2003)
 Natural Areas Association (1987-present)
 Society for Conservation Biology (1993-2009)
 Northwest Scientific Association (1990-2009)
 California Botanical Society (intermittent 1995-present)
 Native Plant Society of Oregon (1986-present)
 (Corvallis Chapter President, 1987-88; Board member 1989-90; Rare and Endangered Species Committee Chair, 2002-04)

Manuscript reviews: I have provided 26 reviews to 16 journals.

| Journal (years) | Manuscripts reviewed |
|---|-----------------------------|
| <i>American Journal of Botany</i> (2001, 2014) | 2 |
| <i>Biological Conservation</i> (2000) | 1 |
| <i>BioScience</i> (2018) | 1 |
| <i>Conservation Biology</i> (2001, 2009, 2017) | 3 |
| <i>Ecology</i> (2012) | 1 |
| <i>Ecological Applications</i> (2004) | 1 |
| <i>Forest Ecology and Management</i> (2010) | 1 |
| <i>Journal of Applied Ecology</i> (2011) | 2 |
| <i>Journal of Ecology</i> (2004, 2005) | 2 |
| <i>Native Plants Journal</i> (2005) | 1 |
| <i>Natural Areas Journal</i> (1999, 2008, 2014) | 3 |
| <i>Northwest Science</i> (1993, 1999, 2000, 2001, 2013) | 5 |
| <i>Oecologia</i> (2009) | 1 |
| <i>Plant Ecology</i> (2009) | 1 |

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|--|---|
| <i>Restoration Ecology</i> (2009,2011, 2012, 2018, 2020) | 5 |
| <i>Western North American Naturalist</i> (2008, 2022) | 2 |

Proposals reviewed

| Agency | Number |
|----------------------------------|---------------|
| NSF Competitive Grants | 3 |
| AAAS International Office (WISC) | 1 |

Private Consulting:

Expert witness to the court, Marion County, Oregon (land use dispute), 1999.
Duke Engineering, Review of monitoring plan for *Artemisia wormskioldii*, 2001.

3. PROFESSIONALLY RELATED SERVICE TO THE PUBLIC

- U.S. Fish and Wildlife Service: Invited member of Taylor's Checkerspot Recovery Planning Team. 2015-2017.
- U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, US Forest Service, etc.: Invited facilitator of the National Native Plant Strategy for twelve federal agencies. 2014.
- U.S. Fish and Wildlife Service: Invited member, Willamette Valley Prairie Working Group. 2012-present.
- U.S. Fish and Wildlife Service: Invited member of Western Oregon and Southwestern Washington Prairie Recovery Team, 2013-present.
- U.S. Fish and Wildlife Service: Invited Co-leader of Western Oregon and Southwestern Washington Prairie Recovery Team, 2003-2011.
- U.S. Fish and Wildlife Service: Willamette Valley National Wildlife Refuge Complex Comprehensive Plan, Invited Extended Team member (2007-2010).
- U.S. Fish and Wildlife Service, Invited member Golden Paintbrush Recovery Technical Team (2004-present)
- U.S. Fish and Wildlife Service, Invited member Bradshaw's Iomatium Recovery Technical Team (1997-2003)
- Botanical Capacity Assessment team, Invited coordination partner, Chicago Botanical Garden (2010)

4. ACTIVE PUBLIC OUTREACH

- Society for Ecological Restoration, board member (2018-2020)
- IUCN Species Survival Commission (member), Seed Conservation Specialist Group (2019-20, 2021-25)
- Willamette Valley Oak and Prairie Cooperative, Steering Committee Member (2017-present)
- Sustainability in Prisons Project Network, Steering Committee Member (2016-present)
- Founder and IAE representative to the False Brome Working Group (2002-present)
- Cascadia Prairie Oak Partnership, Steering committee member (2012-present)
- Institute for Applied Ecology, Board member (1999-2012)
- Corvallis Environmental Center, Board member (2004-2006)
- Siskiyou Field Institute, Council of Stewards (2006-2010)

E. Awards

1. NATIONAL AND INTERNATIONAL

- Exemplary Ecosystem Initiative, Federal Highways Administration to IAE and Oregon Department of Transportation and other partners for Fort Hill to Wallace Bridge Project (for preserving the endangered Nelson's checkermallow plant), 2012.

2. STATE AND REGIONAL

- Excellence in Partnerships Award, Army Corps of Engineers, Portland District (awarded to the Institute for Applied Ecology), 2019.
- Volunteer Award, Oregon Department of Corrections, 2018 (awarded to the Institute for Applied Ecology team).
- Conservation Award from The Wildlife Society, Oregon Chapter (awarded to the Institute for Applied Ecology), 2013.
- Geraldine K. Lindsay Award in Natural Sciences, American Association for the Advancement of Science (AAAS), Pacific Division, 1988.
- First place in student competition for Plant Systematics and Ecology, joint award of Botanical Society of America/Biological Section, AAAS, Pacific Division, 1988.

3. UNIVERSITY

- Graduate Student Association Travel Award, Dept. Botany and Plant Pathology, OSU, 1998.
- Outstanding Teaching Assistant Award (Herbert Frolander Award), Oregon State University, 1989.
- Outstanding Graduate Award, The Evergreen State College, 1984.
- Oregon State Scholar, Governor's Award, 1980.

4. COMMUNITY

- West Eugene Wetlands Award, West Eugene Wetlands Executive Team, 2004.
- US Local Small Business Award for Institute to Applied Ecology for Best of Corvallis Award in the Environmental Conservation category, 2011.
- 100 Best Nonprofits to Work For in Oregon, 2016.
- 2019 Best of Corvallis Award in the Environmental Conservation category by the Corvallis Award Program.