



Noa Kekuewa Lincoln

Personal Profile

My overall mission is to preserve and enhance Hawaiian agriculture and the environment through the pursuit and utilization of both ancient and modern knowledge, through the leadership and education of those living in Hawaii, and through my own physical endeavors to realize both personal and professional growth, and through these efforts offer community based model of resource management to the global community.

Born [REDACTED], Hawaii, I was raised on the island of Maui with my time split between Mā'alaea Harbor, upcountry Kula, and the remote Kīpahulu area. A nature lover from my earliest years, I soon noticed a constant pattern of degradation of beloved places, which greatly disturbed me. My education constantly led me to increasingly urban areas, which helped me to realized the great value that traditional indigenous knowledge has to offer the world in the sustainable management of resources. The integration of traditional management practices and modern technology to rediscover and advance sustainable practices has been a continued theme in my work that looks to rediscover the past while looking forward to the future.

We do not inherit the earth from our ancestors; we borrow it from our children.

Honors and Awards

- Cal-Tech Signature Award for Chemistry; 2000
- John Milton Oskison Science Writing Award; 2010
- Pookele Publisher Award for Excellence in Natural Science; 2010
- Pookele Publisher Award for Excellence in Reference Book; 2010
- Oskim Medicine Award for Excellence in Mentoring; 2011
- Stanford School of Earth Science Excellence in Mentoring Award; 2012
- American Society for Horticultural Science Early Career Award; 2017

Fellowships

- First Nations' Futures Program Fellow; [REDACTED]
- National Science Foundation Graduate Research Fellow; [REDACTED]
- Ecological Society of America Ecology and Education Fellow; [REDACTED]
- Haas Graduate Public Service Fellow; [REDACTED]
- Switzer Environmental Leadership Fellow; [REDACTED]
- Mellow Postdoctoral Fellowship, [REDACTED]

Education



Stanford University; Interdisciplinary Program in Environment and Resources

PhD, Interdisciplinary Environmental Research

Stanford University; Woods Institute for the Environment
Certificate, Environmental Leadership

Yale University
B.A., Environmental Engineering

UH Palmyra Atoll Field Study
Certificate; Environmental Monitoring and Management

Kamehameha Schools
High School; 4.0 GPA

Duke University TIP Program
Certificate; Astronomy

Reports and Publications

Book Titles

Lincoln, Noa Kekuewa. (2009) Amy Greenwell Garden Ethnobotanical Guide to Native Plants. Bishop Museum Press; Honolulu, Hawai'i, USA.

Lincoln, Noa Kekuewa. (in press) Ko: An Ethnobotanical Guide to Native Hawaiian Sugarcane Varieties. University of Hawai'i Press; Honolulu, Hawai'i, USA.

Scientific Journal Articles and Book Chapters

Ladefoged, T., Preston, A., Vitousek, P., Stein, J., Chadwick, O., and Lincoln, N. (2017) Prehistoric agricultural activities inferred from soil phosphorus distribution in the leeward Kohala field system, Island of Hawai'i. *Pacific Archaeology*. (pre-publication)

Gould, R., and Lincoln, N. K. (2017) Expanding the suite of Cultural Ecosystem Services to include ingenuity, perspective, and life teaching. *Ecosystem Services* 25(2017): 117-127.

Lincoln, N. K., and Vitousek, P. M. (2017). Indigenous Polynesian Agriculture in Hawai'i. *Oxford Research Encyclopedias; Environmental Science* March (2017). DOI: 10.1093/acrefore/9780199389414.013.376

Lincoln, N. K., Kagawa-Viviani, A., Marshall, K., and Vitousek, P. (2017) Observations of Sugarcane in Traditional Hawaiian Cropping Systems. In *Sugarcane: Production Systems, Uses, and Economic Impact*. Rachel Murphy (ed). Nova Science Publishers, Hauppauge, NY, USA.

Marshall, K., Koseff, C., Roberts, A., Lindsey, A., Kagawa-Viviani, A., Lincoln, N. K., and Vitousek, P. (2017). Restoring People and Productivity to Puanui: Challenges and opportunities in the restoration of an intensive rain-fed Hawaiian field system. *Ecology and Society* 22(2): 23-32.

Lincoln, N., & Ardoin, N. (2016). Farmer Typologies: Who is Farming How and What. *Food, Culture, and Environment* 19(3): 563-585.

Lincoln, N., & Ardoin, N. (2015) Cultivating Values: Environmental Values and Sense of Place as Predictors for Sustainable Agricultural Practices in Five Categories. *Culture, Agriculture, and the Environment*, 1-13. DOI: 10.1007/s10460-015-9613-z

- Lincoln, N., & Vitousek, P. M.** (2015) Effects of Sugarcane and Farming Practices on Nitrogen Distribution and Cycling in Pre-European Hawaiian Agriculture. *International Journal of Sustainable Agriculture*, 1-17. DOI: 10.1080/14735903.2015.1071547
- Giovanni, Z., Irene, P., Andrés, B., Jon, C., Roberta, A., & **Lincoln, N. K.** (2015). Sustainable landscape development and value rigidity: the Pirsig's monkey trap. *Landscape Online*, 40.
- Lincoln, N. & Ladefoged, T. N.** (2014) Agroecology of pre-contact Hawaiian dryland farming: the spatial extent, yield and social impact of Hawaiian breadfruit groves in Kona, Hawai'i. *Journal of Archaeological Science* 49, 192-202.
- Lincoln, N., Chadwick, O. M., & Vitousek, P. M.** (2014) Soil Fertility Indicators and Opportunities for Pre-Contact Farming in Kona, Hawai'i. *Ecosphere* 5(4), 42.
- Lincoln, N.** (2014) Effect of various monotypic forest canopies on earthwork biomass and feral pig rooting in Hawaiian wet forests. *Forest Ecology and Management* 331, 79-84.
- Lincoln, N.** (2013) The Ethnoagroecology of the Kona Field System: Hawaii Island, Hawaii: Co-Evolution of Environment, Agricultural Practice, and Society. Dissertation, Interdisciplinary Program in Environment and Resources. Stanford University, Palo Alto, CA.

Professional Reports

- Lincoln, N. (2014). Soil nutrient and carbon assessment for HokuNui, Makawao, Hawaii. Produced for HokuNui Inc.
- Lincoln, N., Bartz, J., Choy, M., & Penney, S. (2009) Carbon Measurement Technologies and Risk Management Strategies. Produced for the Environmental Defense Fund.
- Ellison, B., O'Connell, D., Lincoln, N., Nahoopii, D., Kimura, K., Richards, L. (2008) Assessment of Water Resources and Suggested Tribal Water Strategy. Produced for Te Runanga o Ngai Tahu.
- Nahoopii, D., Lincoln, N., Richards, L., Kimura, K., Ellison, B., O'Connell, D., Makasobe, J., Puketapu, B. (2007) Strategies for Engaging in Culturally and Ecologically Sustainable Tourism. Produced for Kamehameha Schools/Bishop Estate.
- Lincoln, N., Nahoopii, D., Ellison, B. (2007) Promoting Cultural Heritage and Education: Tourism Engagement Strategies. Produced for the Bishop Museum.

Work Experience

6/15 – Present University of Hawai'i at Mānoa

Assistant Professor

Teach university level courses; conduct scientific research into indigenous crops and cropping systems; write research and extension publications; engage in partnerships; obtain extramural funding

2/15 – Present Māla Kalu'ulu Cooperative

Founder and President

Oversee operations of indigenous agricultural restoration; coordinate and conduct research, outreach, and education; facilitate community-based projects for local food security; provide guidance for integration of culture and agriculture

3/14 – 6/15 Ngai Tahu Research Center, University of Canterbury

Adjunct Researcher

Wrote research papers and reviews; facilitated original research and partnerships; engaged in knowledge gathering and dissemination for tribal political system

7/03 – 9/08 Integrated Community Development Inc.

Founder and President

Collaborated with small businesses and indigenous communities to form environmental and educational programs; obtained grants, conducted community education, and evaluated programs

9/05 – 9/08 Amy Greenwell Ethnobotanical Garden, Bishop Museum

Ethnobotany Education Manager

Developed and coordinated student and professional educational programs; obtained, managed, and evaluated externally funded projects; conducted ethnobotanical research and collaborative restoration efforts

8/06 – 9/08 University of Hawai'i

Forest TEAM Field Supervisor

Led field portion of classes associated with silviculture and forestry; recruited and supervised the Forest TEAM undergraduate students

12/04 – 10/05 Research Corporation of the University of Hawaii

Project Coordinator

Coordinated, implemented and supervised college level internship focused on ecological restoration, cultural assets, and native botany; conducted field research on best practice forest restoration techniques; facilitated communication between multiple entities including USFW, UHH, NSF, RCUH, Alu Like and private landowners

9/04 – 1/05 Pacific Aquaculture Coastal Resource Center, PIPES

Administrator

Recruited student and teacher interns and associate host agencies and researchers; aided in design and creation of webpage, brochure, fliers, etc.; interpreted evaluative materials for program refinement

2/04 – 9/04 Hike Maui Wilderness Tours

Island Naturalist and Hiking Guide

Educated groups of visitors on the natural history, cultural practices, and botany of Hawaii while leading them safely through Maui's wilderness, balancing their personal enjoyment and their safety; praised for my ability to personally relate to each client using a range of educational methods

1/04 – 2/04 UH Marine Option Program and Alu Like

Project Coordinator and Educator – 40 hrs/wk, 1 months

Created and implemented curriculum for two week training course for federal marine observers; collaborated with other organizations to provide a broad range of experiences for participants

5/01 – 9/02 Maui Ocean Center

Research Intern –

Conducted lab and field study on coral reef growth and reproduction; organized and enacted community and youth education programs;

