Plants Restoring The Wairarapa



Presentation Outline

01 Introduction

02 Our Collaborators

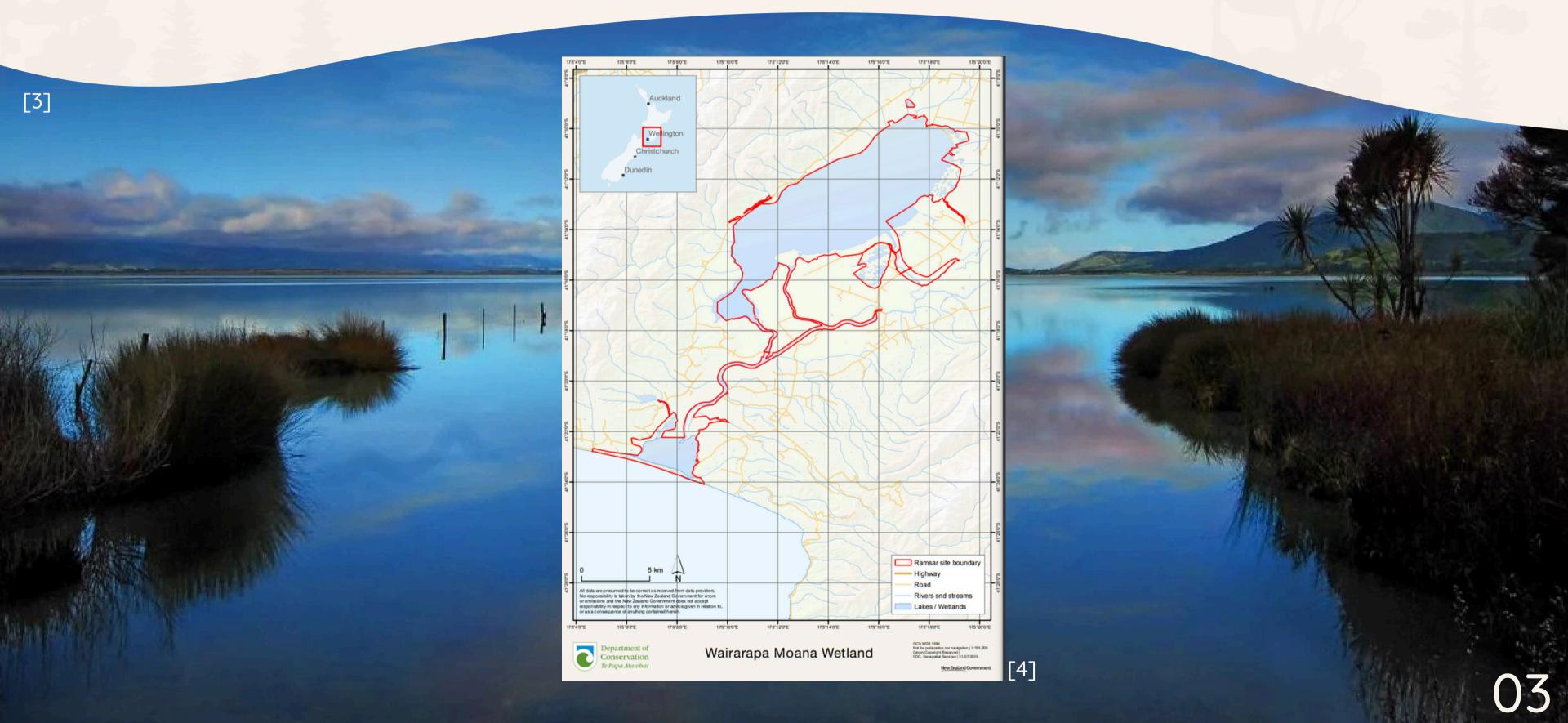
03 Goal

04 Objectives & Methods

05 Vision of Continuity



The Sea of Glistening Water



The Moana Supports Numerous Groups of People



The Wairarapa is a Region of Cultural Significance



Māori



Rongoā



Plant Practices

Our Collaborators in Wellington



Highlighting the use of plants in restoring the Moana

Using Film to Reach Our Goal



Documenting interconnectivity

Using interviews to capture stories

Exploring balance of perspectives

Interviews exploring plant practices and cultural identity

Active shadowing and participant observation

Investigating investments and impact

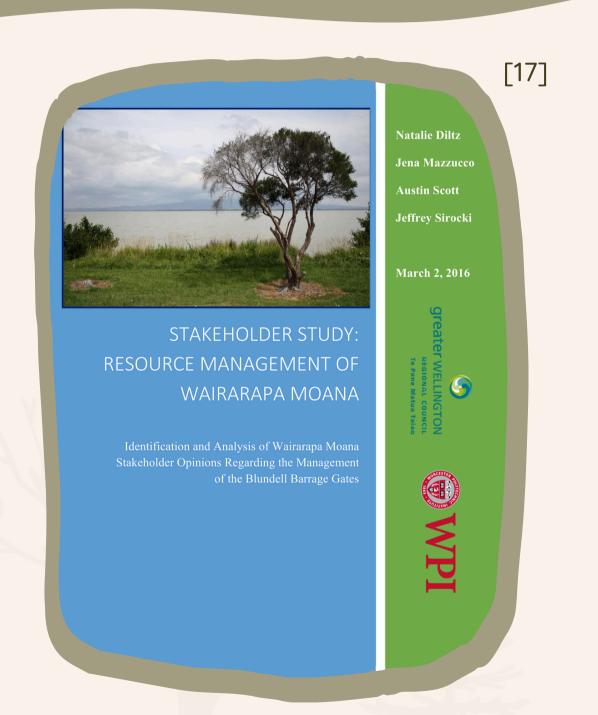
Using interviews to explore change

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Extending Existing Collaborations



Stakeholder Study: Resource Management Of Wairarapa Moana



Assessing the Impact of Sediment in the Wairarapa Moana

Our Project Connects Globally



Acknowledgements



Professor Ingrid Shockey



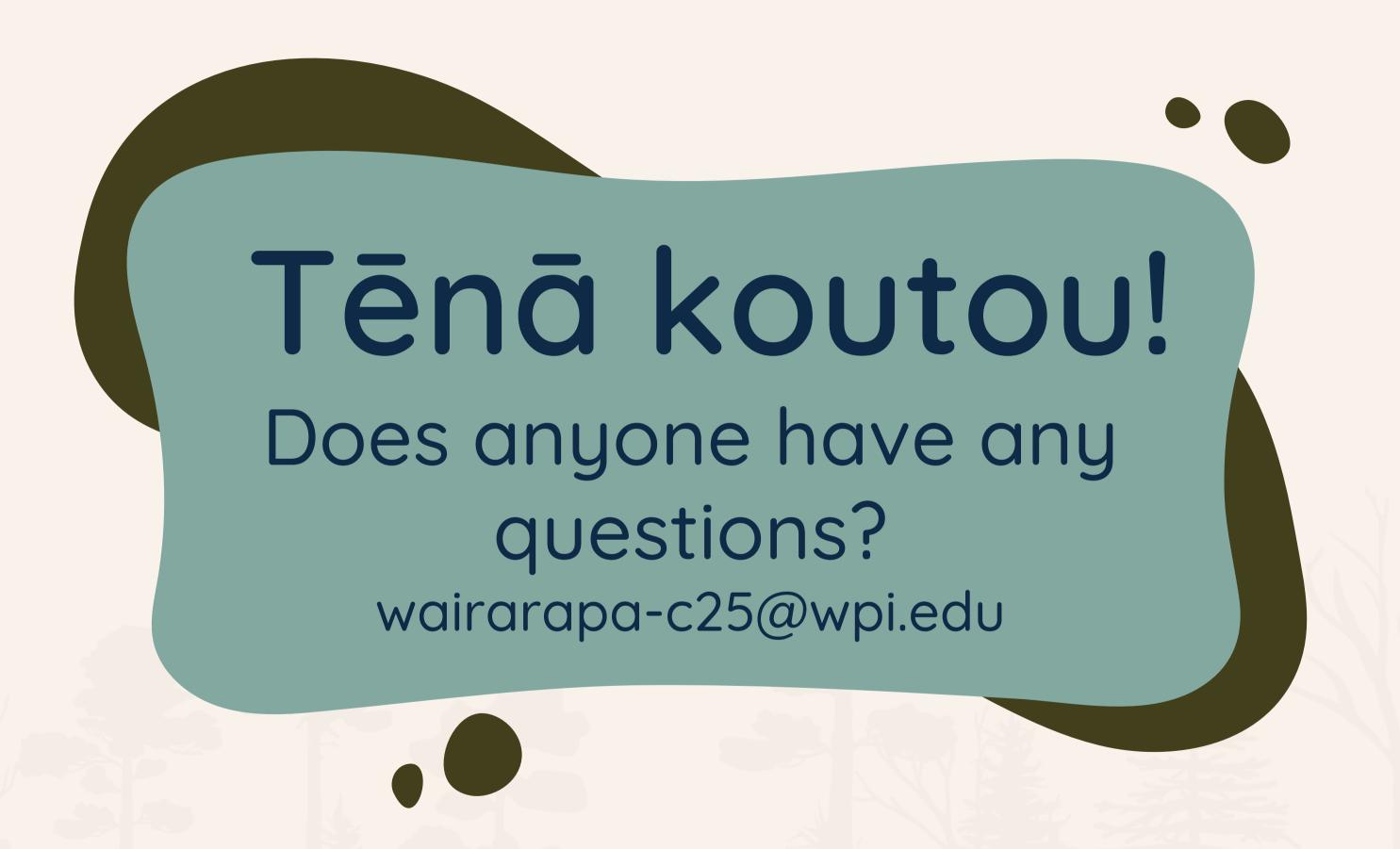
Professor Robert Kinicki

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Sarah Olsen (2023 IQP Team Member)

Michael Elmes (Co-director of New Zealand Project Center)



Proposed Project Timeline

Timeline	Jan. 11 - Jan. 18	Jan. 19 - Jan.25	Jan. 26 - Feb. 1	Feb. 2 - Feb 8	Feb. 9 - Feb. 15	Feb. 16 - Feb 22.	Feb. 23 - Mar. 1	Mar.1 - Mar 8
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Site								
Assessement								
Interviewing								
Recording								
Video Editing								
Sound Editing								
Final Report								

Image Sources

- [1] Summer in Wairarapa Moana -
- https://www.reddit.com/r/newzealand/comments/190fcdf/our_country_is_just_stunning_wairarapa_moana/
- [2] Bittern https://www.nzgeo.com/stories/the-grief-bird/
- [3] Lake Wairarapa and Surrounding Wetlands https://www.thepost.co.nz/nz-news/350325274/celebration-wairarapa-moanas-return
- [4] Wairarapa Ramsar Site Map https://rsis.ramsar.org/RISapp/files/29431417/pictures/NZ2432_map200731.pdf
- [5] Tuna Sculpture https://www.waiwetlands.org.nz/news-items/2021/4/21/wairarapa-moana-celebrated
- [6] Farming in Wairarapa https://www.lic.co.nz/news/wairarapa-moana-herd-improvement-journey/
- [7] Protest at Parliament WRAL https://www.wral.com/story/35-000-crowd-new-zealands-parliament-grounds-in-support-of-m-ori-rights/21728768/
- [8] Rongoā Practitioner Donna Kerridge https://nukuwomen.co.nz/039-donna-kerridge-rongoa-maori-practitioner/
- [9] Mānuka plant https://www.hitiriplantnursery.co.nz/product/manuka/
- [10] Wairarapa Moana Landscape https://www.waiwetlands.org.nz/visiting-introduction
- [11] Rawiri Smith https://lakes380.com/storyteller/rawiri-smith/
- [12] Ian Gunn Received from Ian Gunn on 12/07/2024
- [13] Moana Sunset Landscape https://fineartamerica.com/featured/wairarapa-moana-sunset-teodora-motateanu.html
- [14] Wairarapa Night Sky https://darksky.org/news/wairarapa-dark-sky-reserve-becomes-new-zealands-second-international-dark-sky-reserve/
- [15] Wairarapa Grasslands https://www.waiwetlands.org.nz/ecosystems
- [16] Wairarapa Wetlands https://www.rnz.co.nz/news/ldr/427203/world-renowned-wairarapa-wetlands-project-damaged
- [17] Stakeholder Study https://digital.wpi.edu/concern/student_works/ff365566g?locale=zh
- [18] Interview with Ra Smith https://digital.wpi.edu/concern/student_works/w0892g02r?locale=zh
- [19] UN Sustainable Development Goals https://sdgs.un.org/goals
- [20] Professor Shockey https://www.wpi.edu/news/announcements/global-lab-announces-fellows-residence-academic-year-2018-19
- [21] Professor Kinicki https://web.cs.wpi.edu/~rek/

References

Anderson, K., & Lucas, M. (2016). Documentary Voice & Vision. Routledge. https://learning.oreilly.com/library/view/documentary-voice/9781317636120/
Australian Government. (2023, October 20). The Ramsar Convention on Wetlands—DCCEEW. https://www.dcceew.gov.au/water/wetlands/ramsar

Baron, J. S., Poff, N. L., Angermeier, P. L., Dahm, C. N., Gleick, P. H., Hairston, N. G., Jackson, R. B., Johnston, C. A., Richter, B. D., & Steinman, A. D. (2002). Meeting Ecological and Societal Needs for Freshwater.

Ecological Applications, 12(5), 1247–1260. https://doi.org/10.2307/3099968

Beadel, S., Perfect, A., Rebergen, A., & Sawyer, J. (2000). Wairarapa Plains Ecological District.

Bromfield, T., Cash, A., Olson, S., & Pianka, T. (2023, December 9). Assessing the Impact of Sediment in Wairarapa Moana. Worcester Polytechnic Institute.

https://digital.wpi.edu/concern/student_works/w0892g02r?locale=en

Burlakova, L. E., Karatayev, A. Y., Karatayev, V. A., May, M. E., Bennett, D. L., & Cook, M. J. (2011). Endemic species: Contribution to community uniqueness, effect of habitat alteration, and conservation priorities. Biological Conservation, 144(1), 155–165. https://doi.org/10.1016/j.biocon.2010.08.010

Chanan, M. (2021). What Does the Student Need to Know in Order to Make a Documentary? The International Journal of Creative Media Research, 7. https://doi.org/10.33008/IJCMR.2022.09 Flack, J. (2008). Environmental decline and awakening. Wairarapa Moana Wetlands Project. https://www.waiwetlands.org.nz/environmental-decline-and-awakening Franco, E. (2023, February 16). Local Focus: Farming versus sustainability [News Agency]. NZ Herald. https://www.nzherald.co.nz/nz/local-focus-farming-vs-sustainability-in-wairarapa/HBHJTZ72OVHQDC2D75Q6VPFU4U/

Lee, J. (2009). Decolonising Māori narratives: Pūrākau as a method. MAI Review, 2. https://www.journal.mai.ac.nz/system/files/maireview/242-1618-1-PB.pdf
Mark, G., Boulton, A., Allport, T., Kerridge, D., & Potaka-Osborne, G. (2022). "Ko Au te Whenua, Ko te Whenua Ko Au: I Am the Land, and the Land Is Me": Healer/Patient Views on the Role of Rongoā Māori (Traditional Māori Healing) in Healing the Land. International Journal of Environmental Research and Public Health, 19(14), Article 14. https://doi.org/10.3390/ijerph19148547

McCoard, S., Pavan, E., Butowski, N., Heiser, A., & Vine, T. (2024). Mānuka honey as Rongoā for animals in agriculture. New Zealand Journal of Agricultural Research, 67(3), 434–450.

https://doi.org/10.1080/00288233.2023.2274393

Ministry Business, Innovation and Employment. (2019). Regional Economic Activity Report [Governmental Reports Tools]. Agricultural Share of Regional GDP in New Zealand. https://webrear.mbie.govt.nz/theme/agricultural-share-of-regional-gdp/map/timeseries/2022/south-wairarapa?accessedvia=wellington&left-zoom=1&right-transform=absolute Mueller, H., Hamilton, D., Doole, G., Abell, J., & McBride, C. (2019). Economic and ecosystem costs and benefits of alternative land use and management scenarios in the Lake Rotorua, New Zealand, catchment. Global Environmental Change, 54, 102–112. https://doi.org/10.1016/j.gloenvcha.2018.10.013

New Zealand Department of Conservation. (n.d.). Wairarapa Moana Wetland [Map]. https://rsis.ramsar.org/RISapp/files/29431417/pictures/NZ2432_map200731.pdf
New Zealand Government - Department of Conservation. (n.d.). Mānuka/kahikātoa and kānuka. Retrieved November 14, 2024, from https://www.doc.govt.nz/nature/native-plants/manuka-kahikatoa-and-kanuka/

Ogle, C., Moss, T., & Druce, T. (1990). Vascular flora of Lake Wairarapa and its adjacent wetlands • Coastal Dune Ecosystem Reference Database. https://ref.coastalrestorationtrust.org.nz/documents/vascular-flora-of-lake-wairarapa-and-its-adjacent-wetlands/

Olson, S. (2024, November 8). Previous IQP Interview [In person].

Olson, Sarah, Bromfield, T., Cash, A., & Pianka, T. (Directors). (2023, December 10). Glistening Waters: The Stories of Wairarapa Moana [Documentary]. https://www.youtube.com/watch?v=c9MtPkqYKXo Regional Economic Profile | Wairarapa | Industry diversity. (n.d.). Retrieved November 14, 2024, from https://rep.infometrics.co.nz/wairarapa-all/economy/industry-diversity?compare=new-zealand Sage, E. (2020, August 21). International recognition of Wairarapa Moana celebrated in Conservation Week | [Government]. Beehive.Govt.Nz. https://www.beehive.govt.nz/release/international-recognition-wairarapa-moana-celebrated-conservation-week

Schrader, N. Z. M. for C. and H. T. M. (2019, March 29). A Farming Economy [Web page]. Ministry for Culture and Heritage Te Manatu Taonga. https://teara.govt.nz/en/wairarapa-region/page-7 Smith, L. (2012). Decolonizing Methodologies: Research and Indigenous Peoples (second edition). Zed Books.

Te Rohe o Rongokako Joint Redress Act, Pub. L. No. 2022 No 76, 45 Purpose of Statutory Board (2022). https://legislation.govt.nz/act/public/2022/0076/latest/LMS14714.html#LMS14714 United Nations. (n.d.). THE 17 GOALS | Sustainable Development. Retrieved December 6, 2024, from https://sdgs.un.org/goals

Ware, F., Breheny, M., & Forster, M. (2018). Kaupapa Kōrero: A Māori cultural approach to narrative inquiry. AlterNative: An International Journal of Indigenous Peoples, 14(1), 45–53.

https://doi.org/10.1177/1177180117744810

Wiebe, S. M. (2015). Decolonizing Engagement? Creating a Sense of Community through Collaborative Filmmaking. Studies in Social Justice, 9(2), n/a.