

# Appendices

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## **APPENDIX A**

### LIST OF POTENTIAL USES IDENTIFIED

**WORKSHOP 1:** Future Use Summary

Category	Summary Use	Potential Use (UBC Workshop #2)
Community Partnerships	Partnerships/Engagement	5 acres for use as a community farm/ubc farm which would be used for food production for sale and also incorporate programming/ collaborations as a Community Food Hub, other Health Promotion Programming and Services. Place for partnership with non-profits and other community orgs, Collaborations with ICER (Institute for Community Engaged Research at UBCO), students (clubs, course unions, volunteers, work study, coops, Education Learning Garden Volunteer programs Community use - birders/bird photography, Special Wildlife viewing opportunities An interpretation sign or centre Accessible bike and walking trails Engage the public with demonstrating opportunities Community partnerships/citizen scientists
	Conservation	Opportunity to maintain delicate ecosystems Ponding on the north side of John Hindle led to expanded habitation of spade Robert Lake has the most environmental sensitivity concerns
Research: Agricultural	Rehabilitation/Compensation	Offsetting with significant restoration around Robert Lake, if we develop up
	General Crop Studies	Cultivation/Production Collaboration - depends on land available if we could Lands present a good representative cross section of agricultural lands in the Okanagan and act as a good test bed for experimental research Other studies on vineyards or crops produced in the Okanagan Temperature concerns - frost concerns around Robert Lake, consider
	Irrigation/Water studies	Smart watering systems
	Orchard Studies	Select areas with appropriate soil for orchards in woodland strip
	Technology Studies	Enabling technology - better access and use of data in Agricultural sector Industry collaborations in agricultural technology including opportunities for Industry partnerships to test technologies
	Viniculture Studies	Demonstration Winery Experimental winery building, to have experimental or education vineyard Viniculture or other uses to partner to understand the impacts
	Agroecology & Permaculture Studies	Native Plant Botanic Garden Establish high value research areas, improve production, improve ecosystem Sustainable agriculture - remove boundaries between farming and natural Sustainable practices, soil ecology, cultivation Living Lab/ecological restoration
Research: Agriculture/Ecology	Industry Partnerships	Key to connections out to community partnerships for research Research partnerships
	Irrigation/Water studies	Heavy irrigation and promotion of invasive species needs to be considered Implications to salinity of Robert Lake Water use for irrigation is a key consideration/concern relative to potential future uses (ex: agricultural vineyard) Water-wise irrigation strategies
	Microforestry studies	Micro-forests - " how to renaturalize quickly"
	Resiliency Studies: Food production, Water Use	Climate resiliency: Resilient crops (food production) and water use To answer questions about sustainability and food and water resources
	Soil Studies	What does the current alfalfa farm do to the soil? What are the impacts of
	Technology Studies	Smart farm - incorporating technology and testing new, more sustainable
	Ecology Studies	Continued field based research that is amenable to ug student research (current Robert Lake research examples) Naturalized environments to study Robert Lake - valuable waterfowl area: set up blinds to study waterfowl efficiently, observation point for teaching
Research: Indigenous Learning	Agroecology & Permaculture Studies	Indigenizing the ideas of natural foods enhancement and permaculture Indigenous plant research
	Partnerships/Engagement	Integrate Okanagan 4 Food Chiefs: Bear, Salmon, Bitter Root, Saskatoon Berry and ways to integrate them (engagement/conversation & tied to Partner with En'owkin Centre of Syilx Hearing Learning on the Bush Learning Relationships between indigenous and non-indigenous peoples and the land - Syilx ecological knowledge - what it means to be here
	Rehabilitation/Compensation	Restorative process using Syilx ecological knowledge
Research: Sustainability	Sustainability studies	Environmental monitoring of microbial communities in soil and in Robert Lake in terms of nutrient availability/cycling and green house gas production
	Technology Studies	Hydrogen production - would require pump infrastructure Solar energy research/demonstration - ex: agri-voltaics Solar farm to provide electricity to the Campus

Research: Other	Research Lab Bldg	Research lab space is a huge issue on campus but may not be appropriate
Vision	General	Activities must generate knowledge to help society be more resilient/more Activities must reflect these visions in action, not just in building operations How can these lands be distinctive - take (potential use) conflicts and make Living Labs Whatever we do, minimize impacts and reduce potential negative impact
Precedent	Precedent	BX Ranchlands (Vernon) - Kwantlen Polytechnic & RDNO Fraser Basin River Council Lael P Work with Migration Patterns Summerland Research Facility UBC Farm UBCV Experimental Forest UBCV Farm UC Davis - experimental winery, vineyard

