

Submission By

Applicant Name: Dr. Wayne Caldwell
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Submission Details

Proposal Title: OMAFRA's Guidelines on Permitted Uses as a tool to achieve farmland protection, farm diversification and provide economic benefit: Assessing effectiveness and identifying best practices

Short Title: Guidelines on Permitted Uses: Effective Approaches

Key words: Planning, Agriculture, Farm Diversification, Land Use, Farmland Preservation, Multifunctionality

Submission Number: UofG2018-3120

Project Start Date: 01/05/2019

Project End Date: 30/04/2022
(dd/mm/yyyy)

Project Duration: 36 months

Researcher Response to LOI invitation comments

Comment from Kate Parizeau on behalf of the Committee:

The project clearly addresses OMAFRA research priorities, and the project is of particular interest to the Agricultural Land Use Planning group. The implications for OMAFRA policy-making processes could be made more explicit, as OMAFRA is the primary KTT audience for the project.

Our Response:

Comment from Kate Parizeau on behalf of the Committee:

The committee recommends that you clarify the methods in the full proposal: for example, it is not clear whether you intend to survey all municipalities, or a representative sample (which may be sufficient, as long as the sampling strategy is justified). It was also not clear which regions of the province will be targeted for this study, and why. The committee recommends that you consider increasing the number of case studies in order to provide a more thorough overview of the dynamics of this issue, and that the choice of focus groups as a method be further substantiated.

Our Response: We intend to survey all municipalities with a substantive agricultural sector. We also agree with the suggestion of increasing the number of Case Studies (We will increase this to a minimum of 5-8).

Comment from Kate Parizeau on behalf of the Committee:

The deliverables should note that an outcome of this research will be the development of an evaluation framework. The committee suggests that this framework look beyond best practices to also consider lessons learned.

Our Response: Agreed. Dr. Dave Guyadeen is a recognized expert in Program Evaluation and is a member of the research team. The Evaluation Framework will consider best practices and lessons learned.

Comment from Kate Parizeau on behalf of the Committee:

The budget requires further development and explanation. The budget includes funding for a PhD student, but the contributions of this student to the research project are not apparent.

Our Response: Pam Duesling is a Part-Time PhD student in Rural Studies. This research will be the focus of her academic studies.

Comment from Kate Parizeau on behalf of the Committee:

Please ensure that the Team Member Table includes ALL project team members and collaborators, including all graduate students and other HQP, including a description of their expertise and role in the project. If a student or other team member is not yet identified, please use the name 'TBD' and email 'tbd@uoguelph.ca' as a placeholder in the Team Member Table, ensuring that their role in the project is described. Where relevant, please include confirmation of all leveraged support (award letters for cash and letters of support for in-kind) with the full proposal.

Our Response: All team members have been identified. I attempted to change the name of the graduate students from MSc TBD to simply TBD and the e-mail address as well, however the RMS system would not allow this to be edited. I have edited the team members responsibility to be more specific. Letters of support are attached.

Commodity/Industry Classification

NAICS Commodity Sector: --Select One--

Intended Benefit

-- Select One --

Research Themes

Research Theme: Agricultural and Rural Policy

Secondary Theme: --- Select One ---

Sub-Themes: **1: Agricultural and Rural Policy**
Economic Growth - Rural Economic Development; Stewardship - Farmland Protection

Research Location and Scope

Scope of Research Impact: Provincial

Region of Ontario where research is conducted

Algoma, Brant, Bruce, Chatham-Kent, Cochrane, Dufferin, Durham, Elgin, Essex, Frontenac, Grey, Haldimand, Haliburton, Halton, Hamilton, Hastings, Huron, Kawartha Lakes, Kenora, Lambton, Lanark, Leeds and Grenville, Lennox and Addington, Manitoulin, Middlesex, Muskoka, Niagara, Nipissing, Norfolk, Northumberland, Ottawa, Oxford, Parry Sound, Peel, Perth, Peterborough, Prescott and Russell, Prince Edward, Rainy River, Renfrew, Simcoe, Stormont, Dundas and Glengarry, Sudbury, Thunder Bay, Timiskaming, Waterloo, Wellington, York

Team

Department

Department Details

Department Number:	011100
Department Name:	School of Environmental Design and Rural Development

Name	Role and Department	E-mail	Phone
Jill Selby	UofG Department Administrator	selbyj@uoguelph.ca	
Sean Kelly	UofG Department Chair	sean.kelly@uoguelph.ca	519-824-4120 56870

Are the above departmental details correct?

No

What is wrong with them?

Jill Selby has replaced Sara Firmani as school administrator. her e-mail is sedrd.ao@uoguelph.ca

Project Team Members

Team Members

#	Name	Organisation	E-mail	Role	FTE	Affiliation	CV
Expertise				Role in Project			
1	Dr. Wayne Caldwell	University of Guelph	wcaldwel@uoguelph.ca	Lead Applicant	0.15	Academia/Research Institute	Attached
Lead applicant with responsibility for all aspects of the project							
2	Ms. Pamela Duesling	University of Guelph	pdueslin@uoguelph.ca	UofG Grad Student - doctoral level	0.50	Academia/Research Institute	
Pam is an experienced land use planner and Director of Planning in Norfolk County				Pam is a PhD student and will be the lead graduate student researcher involved with the project. She will assist with data collection, project direction and analysis.			
3	MSc TBD	University of Guelph	MScMSc@uoguelph.ca	UofG Grad Student - master's level	1.00	Academia/Research Institute	
Graduate Student to be recruited				Will contribute to data collection and analysis.			
4	Ms. Helma Geerts	OMAFRA	Helma.Geerts@ontario.ca	OMAFRA Staff	0.02	OMAFRA	
Helma was the author of the OMAFRA Guidelines on Permitted Uses				Helma will provide advice and guidance helping to ensure that this research is of direct value to OMAFRA and the farm and planning community.			
5	Dr. Dave Guyadeen	University of Guelph	dave.guyadeen@uoguelph.ca	UofG Faculty (On Campus)	0.05	Academia/Research Institute	
Dr. Guyadeen is a recognized expert in Evaluation and Planning.				Dr. Guyadeen will assist with the design and implementation of evaluation instruments.			
6	Dr. Lee-Ann Sutherland	James Hutton Institute, Scotland	Lee-Ann.Sutherland@hutton.ac.uk	Non-UofG Advisory	0.02	Academia/Research Institute	
Agrarian development, human-environment relations, and farm-level decision-making (https://www.hutton.ac.uk/staff/lee-ann-sutherland)				Lee-Ann will bring her European experience to the project. She will be partially based in Guelph over the next 1-2 years and is keen to contribute to the research.			

Proposal

Abstract

OMAFRA's Guidelines on Permitted Uses in Prime Agricultural Areas provide guidance to support

implementation of the Provincial Policy Statement (2014) with regards to agricultural, agriculture-related and on-farm diversified uses. This research will assess the effectiveness of these guidelines including measures of their performance in terms of supporting farmland protection, assessing if the policy/guideline have increased the numbers of new businesses, and benefits and costs for farmers and municipalities. The research will also identify/evaluate best practices for land use planners to achieve policy objectives for agriculture-related and on-farm diversified uses.

Specifically the research will do 5 things.

- 1) It will provide a literature review and jurisdictional scan of best practices (with examples from North America and Europe).
- 2) It will survey all upper tier municipalities to identify the range of policy and strategies used to encourage agriculture-related and on-farm diversified uses.
- 3) It will evaluate the specific effects of policy on individual farmers within different policy regimes (using a Case Study methodology).
- 4) It will apply an evaluation framework to determine the relative merits /effects of different policy.
- 5) Based on the above, best practices for policy framework/development and implementation will be identified (evidence based policy for municipalities and the province).

Alignment with OMAFRA Priorities

The 2018-2019 Consolidated Research Priorities identify the following priority (B1 Farmland Preservation):

"OMAFRA's Guidelines on Permitted Uses in Ontario's Prime Agricultural Areas provide guidance to support implementation of the Provincial Policy Statement (2014) with regards to agricultural, agriculture-related and on-farm diversified uses in prime agricultural areas. Research is needed to assess the effectiveness of these guidelines including measures of their performance in terms of supporting farmland protection, assessing if the policy/guideline have increased the numbers of new businesses, and economic benefits and costs for farmers and municipalities. Research should also identify and evaluate best practices for land use planners to achieve policy objectives for agriculture-related and on-farm diversified uses in prime agricultural areas."

This research proposal has been designed to directly address this priority.

Prime agricultural lands in Ontario are finite and require protection. In addition, a new generation of farmers continues to push the entrepreneurship envelope by introducing various agricultural diversified uses onto prime agricultural lands. The PPS (2014) and the Guidelines on Permitted Uses support this activity. Clarity of policy is critical to help ensure growth in this sector. The Guidelines provide an excellent template for helping to establish municipal policy, however further clarification within the PPS will be helpful. This research will assess the effectiveness of these guidelines including measures of their performance in terms of supporting farmland protection, assessing if the policy/guideline have increased the numbers of new businesses, and benefits and costs for farmers and municipalities. The research will also identify/evaluate best practices for land use planners to achieve policy objectives for agriculture-related and on-farm diversified uses.

In keeping with the B1 priority this research will:

- provide a literature review and jurisdictional scan of best practices (with examples from North America and Europe).
- survey all upper tier municipalities to identify the range of policy and strategies used to encourage agriculture-related and on-farm diversified uses.
- evaluate the specific effects of policy on individual farmers within different policy regimes (using a Case Study methodology).
- apply an evaluation framework to determine the relative merits /effects of different policy.
- identify best practices for policy development and implementation.

It should be noted that while this research speaks directly to the intent of the stated B1 research theme priority there are also connections to the Rural Economic Development theme (A7). This includes the application of Innovative Policy and Place Based Economic Development.

Benefits and Rationale

This research will help to ensure that the policy framework for agriculture-related and on-farm diversified uses is supportive of the joint goals of protecting farmland while contributing to the development of agricultural livelihoods. This review will occur in the context of OMAFRA's Guidelines on Permitted Uses in Ontario's Prime Agricultural Areas.

The research will provide short-term benefit for municipalities and the farm community as they work to implement OMAFRA's Guidelines on Permitted Uses - what works, what doesn't and what are best practices. It will also provide long-term benefit as OMAFRA prepares for review and potential revisions to the Provincial Policy Statement. These initiatives help to ensure viable farms and a viable farm sector thereby contributing to the protection and retention of farmland.

There are 3 major groups that will benefit from the research:

- Municipalities will have a better sense of what works and what doesn't work. This information/best practices will be shared across the province and will lead to more consistent application of the Provincial Guidelines. This can occur through updated Official Plan policy and more appropriate zoning provisions.
- Farmers will benefit from a more comprehensive, clear and uniform application of policy. Farmers across the province are working to establish agriculture related and on-farm diversified uses. The application of the most appropriate policy will help to facilitate new economic activity, benefitting both individual farms and the overall sector.
- The province will have access to a thoughtful evaluation of existing policy related to agriculture-related and on-farm diversified uses. This will provide insight into the success of OMAFRA's Guidelines on Permitted Uses in Ontario's Prime Agricultural Areas. It will also serve as input into the 2024 review of the Provincial Policy Statement.

Overall, this will contribute to the overall economic and social development of rural Ontario. The research will contribute to entrepreneurship opportunities to grow small business on farm lands while helping to preserve prime agricultural lands.

Objectives

This research has an overall goal of assessing the effectiveness of OMAFRA's Guidelines on Permitted Uses in Prime Agricultural Areas. Effectiveness will be evaluated in terms of impact on farmland protection, new business establishments, and benefits and costs for farmers and municipalities. The research will also identify best municipal and provincial practices intended to assist the farm community.

Specific objectives include the following:

- To evaluate the effectiveness of policy that allows for agriculture-related and on-farm diversified uses within Ontario (at a farm, municipal and provincial level).
- To identify existing policy and strategies used to encourage agriculture-related and on-farm diversified uses (at a County and Regional level).
- To evaluate the specific effects of policy on individual farmers
- To identify best practices for policy and strategies for agriculture-related and on-farm diversified uses based on literature, jurisdictional scan and a survey of Ontario Municipalities (evidence based policy for municipalities, the

province and agriculture).

Methods

The research will use a variety of methods to address the stated research objectives. Key methods are as follows:

- 1) At the outset, an Advisory Committee will be established. This will include representatives from the Ministry of Agriculture, Food and Rural Affairs, ROMA, municipalities, planners and farmers. The group will meet periodically to provide input on the research activities.
- 2) A literature review and jurisdictional scan will be completed. The Jurisdictional Scan will look at examples from across Canada and other international locations. It will identify best practices related to land use planning, on-farm diversification and agricultural uses.
- 3) A survey will be prepared and circulated to counties and regions across the province. It will seek to identify the various policy approaches that they are pursuing. It will evaluate their experience with OMAFRA's Guidelines on Permitted Uses in Ontario's Prime Agricultural Areas and it will seek input on their experience on working with farmers to establish agriculture and agricultural related uses. It will seek information based on building permit data.
- 4) From these survey results 3-4 Counties/ regions will be identified for more detailed discussions /analysis. A case study approach will be used to develop a detailed understanding of the policy, planners experience and the experience, diversity and success of individual farmers working with this policy. It will seek to evaluate building permit data to identify growth and development within the sector. These case studies will be selected based on geographic distribution, innovative policy and activity. The case studies selected will be reviewed with the Advisory Committee. As part of the case study the following methods will be applied
 - a. Key informant interviews of planners, CED staff and other municipal leaders. Related to this we will attempt to understand the impact on agriculture in the vicinity of diversified uses (i.e. issues of compatibility).
 - b. Farmers (8-10 farms will be selected per county/region that meet the criteria of being agriculture-related and on-farm diversified uses in prime agricultural areas. Building permit data will be used to help identify specific individuals. The owners of these farm businesses will be interviewed/surveyed to document and evaluate their experiences with the policy framework (local and provincial). We will also seek to understand the economic impact of these developments including jobs, impact on tax base & farm viability.
- 5) Once results have been assembled 2-3 focus groups will be organized to discuss identified best practices. The focus groups will consist of farmers/planners/CED staff and other municipal leaders. The focus groups will review research results and provide input on issues of scale, thresholds and tools to ensure compatibility of on-farm event venues and uses such as restaurants. In addition, the cumulative impact of several OFDUs will be considered in the context of roads/water, demand for policing and fire protection.
- 6) The best practices that have been identified and confirmed through the focus group discussions will be captured in a "best practices" guide. The audience for this guide will be the province, municipalities and the farm community.

Deliverables

The research will provide the following deliverables:

- A literature review and jurisdictional scan of best practices (with examples from North America and Europe).
- Results from a survey of upper tier Ontario municipalities identifying the range of policy and strategies used to encourage agriculture-related and on-farm diversified uses.
- An evaluation of the specific effects of policy on individual farmers within different policy regimes.
- An evaluation of the relative merits /effects of different policy.
- A best practices document related to policy development and implementation.

Milestones

Milestone ▲ ▼	Description of Activities ▲ ▼	Expected Completion Date (Y-M-D) ▲ ▼
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Literature Review

Agricultural Diversification = Preserving Prime Agricultural Lands and the Farmer

“To preserve agriculture, it is not enough to preserve the land; society must also preserve the farmer”⁸. Prime Agricultural lands are the best soils to produce crops in Ontario and therefore need to be protected. “Ontario’s prime agricultural land is a finite, non-renewable resource comprising less than 5% of Ontario’s land base. It is the foundation for food, fiber and fur production, the local food economy, agri-food exports, economic prosperity and the growing bio-based economy”⁶. Yet, according to Fox and the Census of Agriculture, from 1951 to 2011 farmland in Ontario has decreased by 39.33 percent for various reasons which mostly include urban sprawl². The number of small and medium size farms have been dwindling while the number of large farms have been slightly increasing showcasing how difficult it is for small and medium size farms to survive today in the farming market².

According to the Ontario Provincial Policy Statement (PPS), Ontario’s prime agricultural lands are those lands classified as specialty crop areas and/or Canada Land Inventory class 1, 2 or 3 lands^{1\6}. Most prime agricultural land is concentrated south of the Canadian Shield and is a very limited resource in Canada⁴. Only 5% of the Canadian land mass is actually made up of prime agricultural land and only 0.5% of it is class 1 lands⁸. Ontario in particular, recognizes soil to be the foundation of agriculture and encourages preservation and conservation of the resource⁴. Southern Ontario is fortunate to contain a significant portion of this very limited resource. A total of 5,126,667 acres are classified as prime agriculture lands in Ontario, and the majority of these acres (36 percent) are located in Southern Ontario². Prime agricultural areas are the foundation of local food production and are a significant contributor to jobs and economic prosperity in Ontario⁴. The PPS sets out parameters to protect prime agricultural lands for long term agricultural use, yet the policies specifically around agricultural related uses and on-farm diversified uses are limited.

The 2014 PPS also outlines more entrepreneurial opportunities on prime agricultural lands. Specifically, policy 2.3.3.1 of the PPS which identifies that prime agricultural areas may also permit uses and activities that are agricultural uses, agriculture-related uses and on-farm diversified uses. The policy outlines that these uses should not hinder, surrounding agricultural operations and that criteria for these uses may be based on Provincial guidelines or municipal approaches through municipal planning documents.

In 2016 the Ontario government created Guidelines on Permitted Uses in Ontario’s Prime Agricultural Areas. These guidelines provide some clarity, measurement and examples of what is and is not appropriate in prime agricultural areas⁵. However, it should be noted that this document is a guideline only and not prescribed policy. It should also be noted that Ontario rural municipalities have yet to clarify agricultural diversification in regulated planning documents.

Overall, farmers as well as municipal government staff who implement the PPS are confused on what agricultural diversification is and is not on prime agricultural lands. Agricultural diversification on prime agricultural lands must function in an environment where the rules are clear, understood and which allow Ontario governments and farmers to respond quickly to changing markets.

The average age of Ontario’s farmers is rising and the new generation is thinking outside the box on what farming is and what farming can become⁷. Farmers are now diversifying into not only different types of crops but also different activities on agricultural lands. Many Ontario farmers are looking toward places like Britain where 62% of UK farmers have diversified activity alongside running a traditional working farm just to make ends meet. UK Farmers have diversified into unusual livestock, tourism, nature and camping, festivals and manufacturing products³. So why not diversify in Ontario too? After all the PPS provides support and encouragement for agricultural diversification on prime agricultural lands.

There are enhanced opportunities for agriculture and on-farm diversification if the the PPS is updated to include a more clear understanding of what agricultural diversification is and where it can be created within prime agricultural lands. Size and scale need to be identified within provincial and municipal land use policy and not only in provincial guidelines. The next update of the PPS is scheduled to occur in 2024. In the interim, more scholarly works and research are needed to assist in understanding where and what agricultural diversification can occur and why.

As Ontario’s population increases more people will require access to safe and healthy food⁴. According to Margaret Walton, the three things that are required to sustain a healthy agricultural industry are:

1. Maintain the significant agricultural land base with a supportive infrastructure;
2. Provide security for agricultural activities and reducing uncertainty, conflict, and risk for the farming community;
3. Provide a mechanism for the long-term succession of farm properties to encourage the next generation to enter the industry⁸.

If Ontario’s land use policy is updated to incorporate strong direction and support for agricultural diversification on prime agricultural lands it is believed that this will provide enhanced support for the protection of both farmland and the farmer. This research will evaluate the need, opportunities and potential policy that could help to strengthen the PPS through balancing and clarifying farmers entrepreneurial opportunities.

Supporting Documentation

1. Agriculture and Agri-Food Canada. (February 2018). Canada Land Inventory. <http://sis.arg.gc.ca/cansis/nsdb/cli/class.html>
2. Fox, Glenn and Wang, Yi. (2016). An Economic Analysis of Rural Land Use Policies in Ontario. Ontario. Fraser Institute.
3. Guillmore, Lucy. (August 2017). How Britain’s Farmers are diversifying. Countyfile. <http://www.countryfile.com/news/farming-diversification>
4. Ministry of Agriculture, Food and Rural Affairs. (Feb 2018). <http://www.omafra.gov.on.ca/english/>
5. Ministry of Agriculture, Food and Rural Affairs. (2016). Guidelines on Permitted Uses in Ontario’s Prime Agricultural Areas. Queen’s Printer, Toronto, ON.
6. Ministry of Municipal Affairs and Housing. (2014). Provincial Policy Statement – Under the Planning Act. Queen’s Printer, Toronto, ON.
7. Statistics Canada. (1999). Canadian Agriculture at a Glance. Statistics Canada.
8. Walton, Margaret. (2003). Agriculture in the Central Ontario Zone. Issue Paper No.1. Toronto, ON. Neptis Foundation.

KTT

Q1. User Audience(s)

Audience	Audience Benefit
Ontario's Farm Community.	This research will identify successful approaches to policy that enhances on-farm diversification. This will position farmers for greater acceptance and success in pursuing on-farm diversification.
Decision Makers	The Province and municipalities have responsibility for creating and implementing policy that accommodates on-farm diversification. This policy can help or hinder this activity. The

	research will help identify best practices and a framework that supports on-farm diversification.
Planners and Economic Development	Planners and Economic Developers (municipal) have responsibility to help develop and implement policy that facilitates agricultural diversification. Unfortunately, experience working with farmers and agriculture is sometimes limited. This research will help identify best practices that will enhance success with their important roles working with the farm community.

Q2. Knowledge Translations and Transfer Plan

Target Audiences	KTT Activity	Activity Description	Target Completion Date
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Budget

Previous Funding Sources

Project Number	Funding Source	Funding Value	Term of Funding
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Funding Partners

Relationship to Concurrent Research Funding

This proposal is independent from all other research projects that I have or have applied for. Consequently, there will be no duplication of funding.

Research Stations

Research Stations Table

Name	Location	Selected Species
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Budget

Budget

Expenditures	Period 1 (1-May-2019 - 30-Apr-2020)			
	OMAFRA Request	Leveraged Cash	Leveraged In-Kind	Total
Personnel				
Grad Students	28000			28000
Post-Doc Stipends				0
Technical				0
Other (provide details)				0
Total	28000	0	0	28000
Non-Personnel				
Supplies and Materials	500			500
Computing				0
Tech Transfer and Publications	500			500
Admin, Networking, Project Management	1000			1000
Equipment	1500			1500
Travel	2500			2500
Researcher's Share of RSSA Fees				0
Other (provide details)				0
Total	6000	0	0	6000
Total	34000	0	0	34000

Expenditures	Period 2 (1-May-2020 - 30-Apr-2021)			
	OMAFRA Request	Leveraged Cash	Leveraged In-Kind	Total
Personnel				
Grad Students	28000			28000
Post-Doc Stipends				0
Technical				0
Other (provide details)				0
Total	28000	0	0	28000
Non-Personnel				
Supplies and Materials	1000			1000
Computing				0
Tech Transfer and Publications	500			500
Admin, Networking, Project Management	1000			1000

Equipment	1500			1500
Travel	3500			3500
Researcher's Share of RSSA Fees				0
Other (provide details)				0
Total	7500	0	0	7500
Total	35500	0	0	35500

Expenditures	Period 3 (1-May-2021 - 30-Apr-2022)			
	OMAFRA Request	Leveraged Cash	Leveraged In-Kind	Total
Personnel				
Grad Students	28000			28000
Post-Doc Stipends				0
Technical				0
Other (provide details)				0
Total	28000	0	0	28000
Non-Personnel				
Supplies and Materials	1000			1000
Computing				0
Tech Transfer and Publications	1000			1000
Admin, Networking, Project Management	1000			1000
Equipment	1500			1500
Travel	3500			3500
Researcher's Share of RSSA Fees				0
Other (provide details)				0
Total	8000	0	0	8000
Total	36000	0	0	36000

Expenditures	Total				
	OMAFRA Request	Leveraged Cash	Leveraged In-Kind	Total	Notes
Personnel					
Grad Students	84000	0	0	84000	
Post-Doc Stipends	0	0	0	0	
Technical	0	0	0	0	
Other (provide details)	0	0	0	0	
Total	84000	0	0	84000	
Non-Personnel					
Supplies and Materials	2500	0	0	2500	
Computing	0	0	0	0	
Tech Transfer and Publications	2000	0	0	2000	
Admin, Networking, Project Management	3000	0	0	3000	
Equipment	4500	0	0	4500	
Travel	9500	0	0	9500	
Researcher's Share of RSSA Fees	0	0	0	0	

Other (provide details)	0	0	0	0
Total	21500	0	0	21500
Total				
Total	105500	0	0	105500

Contributions Period 1 (1-May-2019 - 30-Apr-2020)				
	Leveraged Cash	Leveraged In-Kind	Total	
Contributors				
Total				0

Contributions Period 2 (1-May-2020 - 30-Apr-2021)				
	Leveraged Cash	Leveraged In-Kind	Total	
Contributors				
Total				0

Contributions Period 3 (1-May-2021 - 30-Apr-2022)				
	Leveraged Cash	Leveraged In-Kind	Total	
Contributors				
Total				0

Contributions Total				
	Leveraged Cash	Leveraged In-Kind	Total	Notes
Contributors				
Total	0	0	0	

Budget Notes

Grad Students. One MSc student (17,500/year). .5 PhD student (10,500/year)

All expenses relate to the cost of field work (travel, supplies and materials), conferences (travel), Open access journals (Tech transfer and Publications) and computer equipment.

OMAFRA Request: \$105,500.00

Total Leveraged Cash:

Total Leveraged In-kind:

Leverage Ratio: 0

IP

1. For the implementation of the research described in this proposal, are you

planning to use:

(i) Results from any of yours/partners' on-going projects (funded by OMAFRA or other sources)

--Select One--

(ii) Any other pre-existing (Background) Intellectual Property (business or technical information, knowledge, methods, open data, patents, software etc.)

--Select One--

2. Are any of the following types of Intellectual Property (Foreground or Arising IP) expected or anticipated to be developed from the proposed Research?

(i) Those usually protected by Copyright such as

Reports, Theses, Publications --Select One--
or Videos:

Research tools and test methods, research data, databases, engineering process drawings: --Select One--

Source code, software, Apps: --Select One--

(ii) Those usually protected by Patents such as

Novel or improved product, process, composition: --Select One--

(iii) Those usually protected by Industrial Design Patents such as

Engineering 2d or 3d product features: --Select One--

iv. Plant varieties: --Select One--

v. Others : --Select One--

3. Briefly describe how you propose to manage and disseminate the anticipated Foreground Intellectual Property

Please describe how you propose to manage and disseminate the anticipated
Foreground IP here:

4. Non-Disclosure Agreement(s)

--Select One--

Peer Reviewers

Peer Previewers

#	Name	Institution/Organization	E-mail	Telephone	Scientific/Academic expertise pertaining to project
1	Mr. Peter Jefferey	Peer Reviewers	peter.jeffery@ofa.on.ca		
2	Ms. Danielle Collins	OFA	Danielle.Collins@ofa.on.ca		
3	Tom Johnston	Reviewers	johnston@uleth.ca		
4	Pam Shaw	Vancouver Island University	Pam.Shaw@viu.ca		
5	Dr. Tom Daniels	Peer Reviewers	thomasld@pobox.upenn.edu	(215) 573-8965	
6	Dr. Annie McKee	Peer Reviewers	annie.mckee@hutton.ac.uk	44 (0)344 928 5428	
7	Christopher Fullerton	Brock University	chris.fullerton@brocku.ca		

Declaration

Instructions: Lead applicants and Co-Applicants (if applicable) are required to read and accept the terms and conditions stated in the OMAFRA - U of G Research Call for proposal documents, General Program Description and Theme specific call document(s) as well as the following before submitting a proposal:

1. I (we) am (are) authorized to act on behalf of the other research team members that are named in this Full Proposal and the organization to which they are affiliated in order to apply and submit the Full Proposal using this system. The involvement of these other research team members in this Full Proposal has been discussed with and agreed on by them.

2. I/we understand that even if an application meets the specified criteria, there is no guarantee that funding will be awarded as there may be other projects that more effectively meet the program's objectives. Further, funding will not be provided for the project based solely on the submission of a Full Proposal. If the proposal satisfies the requirements and objectives under the OMAFRA - U of G Research Program as set out in the Call documents, and the full proposal is awarded funding from the OMAFRA - U of G Research Program the applicant will be notified in writing.

3. I (we) am (are) responsible for the contents of this Full Proposal and any related information given using this e-grant system. Any certification, consent, agreement or similar document given using this e-grant system is binding to the same extent and effect as if in writing accompanied by my (our) signature.

4. My name and the name of my Co-Applicant (if applicable), the proposal title and abstract may be shared with third parties for the purpose of finding expert (peer) reviewers who are not in conflict of interest with the proposal. Additionally, the Office of Research may show the entire Full Proposal to third parties (i.e., review committee members) for the purpose of obtaining expert opinions on its merits. All such third parties are required to sign a Confidentiality and Conflict of Interest Agreement before they have access to the entire Full Proposal.

5. The proposed research does not infringe on protected intellectual property (IP) or technologies. (Please refer to the Call Documents for provisions regarding protection of IP.)

6. I (we) understand that should my (our) proposal be funded, information about the proposal will be posted on the Office of Research web site.

Freedom of Information and Protection of Privacy Act

The applicant(s) acknowledges that the Office of Research is bound by the Freedom of Information and Protection of Privacy Act (Ontario), as amended from time to time, and that any information provided to the Office of Research in connection with this application, the proposed project, and any agreement that may be entered into with the University of Guelph, is subject to disclosure in accordance with that Act or pursuant to an order of a court or tribunal or a legal proceeding.

Notice of Collection of Personal Information

Any personal information on this form, such as information regarding the education and employment history of the lead applicant, co-applicant (if applicable) and research team members, is necessary to assist in assessing the qualifications of a proposal for funding under the OMAFRA - U of G Research Program.

Where any personal information related to team members is submitted, the applicant acknowledges that he/she has obtained the consent of these individuals to submit the information for the purposes of the evaluation of the application for funding. The applicant will provide evidence of the consent of these individuals to the Office of Research upon request.

Declaration

Full Proposal

Please indicate that you accept the terms and conditions by clicking the check box below.

I, Wayne Caldwell, have read the above terms and conditions



Ontario Agricultural College

Wayne J. Caldwell, Ph.D.

Professor, School of Environmental Design and Rural Development

LIFETIME CURRICULUM VITAE

DATE OF FIRST APPOINTMENT AT THE UNIVERSITY OF GUELPH

2000, Summer

PERCENTAGE WORKLOAD

100

DISTRIBUTION OF EFFORT (2017-2018)

Teaching: 0%

Research: 0%

Service: 0%

TENURE STATUS

Tenured

DOE HISTORY

EXECUTIVE SUMMARY

1. EDUCATION AND DEGREES

Ph.D. University of Waterloo, Waterloo, Ontario, REGIONAL PLANNING & RESOURCE DEVELOPMENT, 1991.

Title: *"A Municipal Response to Agricultural and Community Change: Approaches to Rural Planning and Development"*.

M.A. University of Western Ontario, London, Ontario, GEOGRAPHY, 1982.

Title: *"Low Agricultural Soil Capability and Farming Practice"*.

B.A.(Hons) University of Western Ontario, London, Ontario, GEOGRAPHY, 1980.

Title: *"Land Use and Tenure Relationships in East Wawanosh Township"*

Professional Memberships

Canadian Institute of Planners, 1986-present

Ontario Professional Planners Institute, 1986-present

Professional Certifications

Registered Professional Planner (RPP), 1986 (1986-present), Provincial (portability across the Country).

2. EMPLOYMENT HISTORY

Work Experience

Professor, University of Guelph, Ontario Agricultural College, School of Environmental Design and Rural Development

(1992 - Present), Guelph, Canada-Ontario. Advisor or Co-Advisor of 77 Graduate Students (graduated). Committee Member of 62 Graduate Students.

2007-present tenured at 100%, 2000-2006 tenured at 60%, 1992-2000-sessional contract.

President, Caldwell Consulting (2003 - Present), Guelph, Canada-Ontario. Specializing in the planning needs of rural communities. Specific services include research, facilitation, group processes, and education.

Associate Vice-President Research- Interim (Strategic Partnerships), University of Guelph (September, 2016 - December, 2017), Guelph, Canada-Ontario.

Director, University of Guelph, Ontario Agricultural College, School of Environmental Design and Rural Development (2011 - 2016), Guelph, Canada-Ontario. As Director I had overall responsibility for the management and operations of the School of Environmental Design and Rural Development.

Dean - Interim, University of Guelph (November, 2015 - September, 2016), Guelph, Canada-Ontario. As Interim Dean I had overall responsibility for the operations of the Ontario Agricultural College.

Advisory, County of Huron Department of Planning & Development (2009 - 2014), Goderich, Canada-Ontario. The department is responsible for land use planning, economic development, tourism co-ordination, waste management master planning, and energy co-ordination.

1981-2000 fulltime, 2000-2006 40%, 2007-2009 special arrangement between the County of Huron and the University of Guelph, 2010-present advisory capacity. In this Advisory Capacity I facilitate research with a Huron focus, I provide advice on planning and development issues and to staff. While the County has a budget line to facilitate this I have not drawn from this in the last 2 years.

Senior Planner, County of Huron Department of Planning & Development (2000 - 2009), Goderich, Canada-Ontario. The department is responsible for land use planning, economic development, tourism co-ordination, waste management master planning, and energy co-ordination. Duties include administrative and professional planning involvement in all of these areas.

1981-2000 fulltime, 2000-2006 40%, 2007-2009 special arrangement between the County of Huron and the University of Guelph, 2010-present advisory capacity

Director, University of Guelph, Ontario Agricultural College, Sustainable Rural Communities Program (2006 - 2009), Guelph, Canada-Ontario.

Senior Planner, County of Huron Department of Planning & Development (1981 - 2000), Goderich, Canada-Ontario. The department is responsible for land use planning, economic development, tourism co-ordination, waste management master planning, and energy co-ordination. Duties include administrative and professional planning involvement in all of these areas.

1981-2000 fulltime, 2000-2006 40%, 2007-2009 special arrangement between the County of Huron and the University of Guelph, 2010-present advisory capacity

Adjunct Professor, University of Waterloo, School of Urban and Regional Planning (1992 - 1994), Waterloo, Canada-Ontario. Undergraduate Courses taught at Waterloo include: Planning Surveys and Analysis and Regional Planning and Economic Development

Interim Administrator, Huronlea Homes For the Aged (1994), County of Huron, Huronview, Canada-Ontario. Included overall responsibility for \$6 million budget and 220 staff.

Teaching Assistant, University of Western Ontario, Department of Geography (1980 - 1982), London, Canada-Ontario. Geography: Systems Introduction and Geography of Developing Countries

Summer Student, Upper Thames River Conservation Authority (1980), London, Canada-Ontario.

Summer Student, Ontario Ministry of Natural Resources (1976 - 1979), Wingham, Canada-Ontario. Summers 1976-1979

Consulting

2014-2015: Greenbelt Foundation, The Agricultural System: Components, Linkages, and Rationale, The Agricultural System: Components, Linkages, and Rationale, identifies what is necessary for a well-functioning agricultural system and a viable agricultural industry. It allows municipal staff and others who interact with agricultural communities to better understand how their work impacts the functioning of the entire system, in turn affecting individual farmers.

2014-2015: County of Huron, Get a Move On! A Community Workbook to Create an Active Transportation Plan

2013-2014: County of Huron, Active Transportation in Huron: A Call to Action, Active Transportation Master Plan

2012-2013: Greenbelt Foundation, Farming in Ontario's Greenbelt: Possibility Grows Here. Fifteen in a Series Friends of the Greenbelt Foundation Occasional Papers.,

www.greenbelt.ca/sites/default/files/research/farming_in_ontario039s_greenbelt_possibility_gr

3. SCHOLARLY HONOURS AND AWARDS

Award

2015-2016: Plan Canada - Feature Article of the Year Award, Canadian Institute of Planners. Plan Canada issues one award for "Feature Article of the Year". The recognition was shared with former MSc student Bryce Sharpe. The article is entitled "The Cart Before the Horse: Policy Perspectives on Farm Parcel Creation."

2014-2015: 2014 OPPI Excellence in Planning Awards (Communications/Public Education), Ontario Professional Planners Institute. The award was received for the Rural Stewardship Guide (RLSG) for the Ontario Landscape (shared with Karen Landman)

2006-2007: , Ontario Professional Planning Award of Excellence. Jurisdictional Analysis and Best Practices for Land Use Planning Affecting Direct Marketing and Agri-tourism Operations in Ontario

2005-2006: , Canadian Institute of Planners- Awards for Planning Excellence Rural/ Small Town Category. Conflict Resolution in Rural Ontario: Strategies for Responding to the Environmental, Economic and Social Impacts of Agriculture

2004-2005: , Ontario Professional Planning Institute Member Service Award.

2003-2004 – 2004-2005: , Ontario Professional Planning Award of Excellence. Research/New Directions Category. Conflict Resolution in Rural Ontario: Strategies for Responding to the Environmental, Economic and Social Impacts of Agriculture.

2002-2003: , University of Guelph, Faculty Association Professional Teaching Award.

2000-2001: , Ministry of Natural Resources Award for Outstanding Commitment and Leadership. Huron Perth

2000-2001: , Ontario Professional Planning Award of Excellence. (District Merit Award and Provincial Outstanding Planning Award) for Rural Planning and Nutrient Management Manual

1998-1999: , Ontario Professional Planning Award of Excellence for Community Action Kit. District and Provincial Outstanding Planning Award

1987-1988: , Local Government Research Assistance Award.

1986-1987: , Ontario Industrial Development Council/ Ministry of Industry, Trade & Technology Scholarship.

1980-1981: , Special University Scholarship.

1980-1981: , Ontario Graduate Scholarship.

1980-1981: , McIntosh Award.

1979-1980: , Chancellor's Prize for the Outstanding Graduate of an Honours Program in the Faculty of Social Science.

1979-1980: , Thomas B. Richardson Gold Medal.

1976-1977 – 1978-1979: , Huron County Bursary.

Honor

2009-2010: Dr. Wayne Caldwell, 2010 Scholarship, Ontario Professional Planners Institute. "in honor and recognition of Dr. Wayne Caldwell's service and leadership as President of OPPI". The scholarship will be awarded to a student member who is making an important contribution in the field of planning for food in the form of planning research and/or community engagement.

1979-1980: , Dean's Honour List.

4. TEACHING RESPONSIBILITIES

TEACHING DOSSIER

2013-2014 - Teaching Dossier provides a career long perspective on teaching.

TEACHING SCHEDULE

Term	Course	Course Title	Sec	Cr	Enroll	Campus	Eval	ER	TR%
2018/Fall	OTHER9300	Transition Leave	03	0	0	Guelph			100%
2018/Summer	OTHER9300	Transition Leave	02	0	0	Guelph			100%
2018/Winter	OTHER9300	Transition Leave	1	0	0	Guelph			100%
2017/Fall	RPD6250	Foundations in Rural Planning Practice	1	0.5	31	Guelph	4.96	27	100%
2017/Winter	RPD6280	Advanced Planning Practice	01	0.5	15	Guelph	4.85	13	100%
2016/Fall	RPD6250	Foundations in Rural Planning Practice	01	0.5	18	Guelph	5.00	19	100%
2016/Winter	LARC2820	Urban and Regional Planning	DE	0.5	48	Guelph		-2	50%
2016/Winter	RPD6280	Advanced Planning Practice	01	0.5	21	Guelph	4.94	16	100%
2015/Fall	RPD6250	Foundations in Rural Planning Practice	01	0.5	19	Guelph	5.00	16	100%
2015/Fall	RPD6290	Special Topics in Rural Planning and Development	02	0.5	5	Guelph	5.00	2	100%
2015/Fall	CDE6311	Community Engagement and Public Participation (taught with RPD*6290)	01	0.5	6	Guelph	5.00	3	100%
2015/Winter	RPD6280	Advanced Planning Practice	01	0.5	15	Guelph	5.00	9	100%
2015/Winter	LARC2820	Urban and Regional Planning	DE	0.5	40	Guelph	4.09	11	50%
2015/Winter	LARC2820	Urban and Regional Planning	01	0.5	105	Guelph	4.62	29	100%
2014/Fall	CDE6311	Community Engagement and Public Participation (taught with RPD*6290)	01	0.5	9	Guelph	4.75	4	50%
2014/Fall	RPD6290	Special Topics in Rural Planning and Development	02	0.5	4	Guelph	5.00	2	50%
2014/Fall	RPD6250	Foundations in Rural Planning Practice	01	0.5	29	Guelph	4.94	18	100%
2014/Winter	LARC2820	Urban and Regional Planning	01	0.5	100	Guelph	4.53	51	100%
2014/Winter	LARC2820	Urban and Regional Planning	DE	0.5	32	Guelph	4.22	9	50%
2014/Winter	RPD6280	Advanced Planning Practice	01	0.5	12	Guelph	4.73	11	100%
2013/Fall	RPD6290	Special Topics in Rural Planning and Development	02	0.5	8	Guelph	4.75	4	75%
2013/Fall	RPD6250	Foundations in Rural Planning Practice	01	0.5	20	Guelph	4.87	15	100%
2013/Fall	CDE6311	Community Engagement and Public Participation (taught with RPD*6290)	01	0.5	10	Guelph	5.00	6	75%
2013/Winter	RPD6280	Advanced Planning Practice	01	0.5	16	Guelph	4.83	12	100%
2013/Winter	LARC2820	Urban and Regional Planning	DE	0.5	33	Guelph	4.00	3	50%
2013/Winter	LARC2820	Urban and Regional Planning	01	0.5	99	Guelph	4.52	25	100%
2012/Fall	RPD6290	Special Topics in Rural Planning and Development	02	0.5	12	Guelph	5.00	11	100%
2012/Fall	RPD6250	Foundations in Rural Planning Practice	01	0.5	18	Guelph	5.00	16	100%

2012/Winter	LARC2820	Urban and Regional Planning	01	0.5	143	Guelph			100%
2012/Winter	RPD6280	Advanced Planning Practice	01	0.5	15	Guelph			100%
2011/Fall	RPD6290	Special Topics in Rural Planning and Development	02	0.5	13	Guelph			100%
2011/Fall	RPD6250	Foundations in Rural Planning Practice	01	0.5	15	Guelph			100%
2011/Winter	LARC2820	Urban and Regional Planning	01	0.5	130	Guelph			100%
2011/Winter	RPD6280	Advanced Planning Practice	01	0.5	10	Guelph			100%
2010/Fall	RPD6250	Foundations in Rural Planning Practice	01	0.5	19	Guelph			100%
Totals					16	1070			

* If Course Materials have been included, you will find them linked to the Course in the table above. If signed student comments/evaluations have been included, they can be found in the File Library under Teaching -> Documents Associated with the Teaching Schedule

* CR = Credit Weight. A typical UofG credit course = 0.5; TR% = Percentage of Teaching Responsibility for Course

* Eval = Evaluation. Scores are on a 5-point scale in response to the question: Overall, how do you rate the effectiveness of the instructor?

* ER = Number of Evaluation Responses. A '-1' indicates the evaluation was performed but was not completed by any students, a '-2' indicates the evaluation was not performed, a '-3' indicates there is a reason the evaluation is missing, (combined with a cross-listed course, data issues, etc), and a '-4' indicates the number of respondents was unavailable

Individual Teaching/Study - Graduate Student

2017-2018 - RST6300 Research Seminar. 1 student. (Summer) 0.25 credits

2017-2018 - RPD6410 Readings in Rural Planning. 1 student. (Fall) 0.5 credits

2017-2018 - RPD6410 Readings in Rural Planning. 3 students. (Summer) 0.5 credits

2017-2018 - RST6500 Special Topics. 1 student. (Summer) 0.5 credits

2016-2017 - RPD6410 Readings in Rural Planning. 2 students. (Fall) 0.5 credits

2016-2017 - RPD6290 Special Topics in Rural Planning and Development. 1 student. (Winter) 0.5 credits

2016-2017 - RPD6410 Readings in Rural Planning. 3 students. (Winter) 0.5 credits

2016-2017 - RPD6410 Readings in Rural Planning. 1 student. (Fall) 0.5 credits

2016-2017 - RST6500 Special Topics. 1 student. (Winter) 0.5 credits

2015-2016 - RPD*6410 Readings in Rural Planning . 1 student. (Fall) 0.5 credits

2015-2016 - RPD*6410 Readings in Rural Planning . 1 student. (Winter) 0.5 credits

2014-2015 - RST6500 Special Topics. 1 student. (Winter) 0.5 credit

2014-2015 - RST6300 Research Seminar. 1 student. (Summer) 0.25 credit

2014-2015 - RPD6410 Readings in Rural Planning. 2 students. (Winter) 0.5 credit

2014-2015 - RPD6410 Readings in Rural Planning. 1 student. (Summer) 0.5 credit

2013-2014 - 1 student. RST6100 - 01, 1 credits (Fall)

2013-2014 - 2 students. RPD6410 - 01, 0.5 credits (Fall)

2013-2014 - 1 student. RPD6410 - 01, 0.5 credits (Winter)

2012-2013 - 3 students. RPD6410 - 01 0.5 credits (Winter)
 2012-2013 - 2 students. RPD6410 - 01 0.5 credits (Fall)
 2012-2013 - 1 student. RST6500 - 01 0.5 credits (Summer)
 2012-2013 - 1 student. RST6300 - 01 0.25 credits (Summer)
 2012-2013 - 3 students. RPD6410 - 01 0.5 credits (Summer)
 2012-2013 - 2 students. RPD6410 - 01, 0.5 credits (Summer)
 2011-2012 - 2 students. RST6500 - 01 0.5 credits (Summer)
 2011-2012 - 1 student. RST6300 - 01 0.25 credits (Summer)
 2011-2012 - 0.4 students. RST6000 - 01 1 credits (Fall)
 2011-2012 - 0.4 students. RST6100 - 01 1 credits (Winter)
 2011-2012 - 1 student. RPD6410 - 01 0.5 credits (Summer)
 2010-2011 - 1 student. RPD6410 - 01 0.5 credits (Summer)
 2010-2011 - 1 student. RST6100 - 01 1 credits (Winter)
 2010-2011 - 2 students. RST6000 - 01 1 credits (Winter)
 2010-2011 - 2 students. RPD6410 - 01 0.5 credits (Winter)
 2010-2011 - 1 student. RST6100 - 01 1 credits (Fall)
 2010-2011 - 2 students. RST6000 - 01 1 credits (Fall)
 2010-2011 - 3 students. RPD6410 - 01 0.5 credits (Fall)
 2010-2011 - 1 student. RST6300 - 01 0.25 credits (Summer)

Individual Teaching/Study - Undergraduate Student

2017-2018 - *LARC3500 Independent Study*. 1 student. (Winter) 0.5 credits
 2017-2018 - *AGR3010 Special Studies in Agricultural Science I*. 1 student. (Winter) 0.5 credits

Other Teaching Activities

2013-2014 -
 2013-2014 -
 2012-2013 -
 2012-2013 -
 2005-2006 -

GRADUATE STUDENT ADVISING

GRADUATE ADVISING SUMMARY, BY ROLE

Activity	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018
Graduate Advising - Primary - Doctoral	3	3	4	4	3	6	6
Graduate Advising - Primary - Masters	5	5	2	3		2	3
Graduate Advising - Primary - Masters MRP	10	10	7	9	12	10	7

Graduate Advising - Co-Advisor - Doctoral					1	2	
Graduate Advising - Co-Advisor - Masters							1
Graduate Advising - Co-Advisor - Masters MRP	2	2	2	1			2
Graduate Advising - Committee - Doctoral	6	7	5	5	2	1	3
Graduate Advising - Committee - Masters	2	5	6	2	1	6	4
Graduate Advising - Committee - Masters MRP	3	3	4	18	14	12	4
Totals	31	35	30	42	33	39	30

* The Graduate Student Advising Summary Table includes students from Fall 2011 only. All other records are listed below.

GRADUATE ADVISORY AND COMMITTEE WORK, BY LEVEL AND ROLE

Graduate Advising - Primary - Doctoral

2017-2018 - *PHD.RST.* Epp, Sara, May 01, 2017 - Apr 30, 2018 Registered S17, F17, W18
2017-2018 - *PHD.RST.* Telfah, Rana, Sep 01, 2017 - Apr 30, 2018 Registered F17, W18
2017-2018 - *PHD.RST.* Kraehling, Paul, Sep 01, 2017 - Apr 30, 2018 Registered F17, W18
2017-2018 - *PHD.RST.* Duesling, Pamela, Sep 01, 2017 - Apr 30, 2018 Registered F17, W18
2017-2018 - *PHD.RST.* D'Souza, Natasha, May 01, 2017 - Dec 31, 2017 Registered S17, F17
2017-2018 - *PHD.RST.* Robinson, Danielle, May 01, 2017 - Apr 30, 2018 Registered S17, F17, W18
2016-2017 - *PHD.RST.* D'Souza, Natasha, May 01, 2016 - Apr 30, 2017 Registered S16, F16, W17
2016-2017 - *PHD.RST.* Robinson, Danielle, Sep 01, 2016 - Apr 30, 2017 Registered F16, W17
2016-2017 - *PHD.RST.* Epp, Sara, May 01, 2016 - Apr 30, 2017 Registered S16, F16, W17
2016-2017 - *PHD.RST.* Telfah, Rana, Sep 01, 2016 - Apr 30, 2017 Registered F16, W17
2016-2017 - *PHD.RST.* Kraehling, Paul, May 01, 2016 - Apr 30, 2017 Registered S16, F16, W17
2016-2017 - *PHD.RST.* Nelson, Karen, Sep 01, 2016 - Apr 30, 2017 Registered F16, W17
2015-2016 - *PHD.RST.* Epp, Sara, May 01, 2015 - Apr 30, 2016 Registered for S15, F15, W16
2015-2016 - *PHD.RST.* Kraehling, Paul, May 01, 2015 - Apr 30, 2016 Registered for S15, F15, W16
2015-2016 - *PHD.RST.* D'Souza, Natasha, Sep 01, 2015 - Apr 30, 2016 Registered for F15, W16
2014-2015 - *PHD.RST.* Kraehling, Paul, May 01, 2014 - Apr 30, 2015 Registered S14, F14, W15
2014-2015 - *PHD.RST.* Berge, Simon, May 01, 2014 - Apr 30, 2015 Registered S14, F14, W15
2014-2015 - *PHD.RST.* D'Souza, Natasha, May 01, 2014 - Aug 31, 2014 Registered S14
2014-2015 - *PHD.RST.* Epp, Sara, May 01, 2014 - Apr 30, 2015 Registered S14, F14, W15
2013-2014 - 1 student. Berge, Simon, May 01, 2013 - Apr 30, 2014
2013-2014 - 1 student. D'Souza, Natasha, May 01, 2013 - Apr 30, 2014
2013-2014 - 1 student. Kraehling, Paul, May 01, 2013 - Apr 30, 2014

2013-2014 - 1 student. Epp, Sara, Sep 01, 2013 - Apr 30, 2014
2012-2013 - D'Souza (Rea), Natasha, May 01, 2012 - Apr 30, 2013
2012-2013 - Berge, Simon, May 01, 2012 - Apr 30, 2013
2012-2013 - Kraehling, Paul, May 01, 2012 - Apr 30, 2013
2011-2012 - Kraehling, Paul, May 01, 2011 - Apr 30, 2012
2011-2012 - D'Souza, Natasha, May 01, 2011 - Apr 30, 2012
2011-2012 - Berge, Simon, May 01, 2011 - Apr 30, 2012
2010-2011 - Berge, Simon, May 01, 2010 - Apr 30, 2011
2010-2011 - D'Souza, Natasha, Sep 01, 2010 - Apr 30, 2011
2010-2011 - Kraehling, Paul, Sep 01, 2010 - Apr 30, 2011

Graduate Advising - Primary - Masters

2017-2018 - *MSPL.RPD*. Howes, Katherine, May 01, 2017 - Apr 30, 2018 Registered S17, F17, W18
2017-2018 - *MSPL.RPD:L*. Drake, Emma, Sep 01, 2017 - Apr 30, 2018 Registered F17, W18
2017-2018 - *MSPL.RPD*. Ouellette, Isabelle, May 01, 2017 - Apr 30, 2018 Registered S17, F17, W18
2016-2017 - *MSPL.RPD*. Howes, Katherine, Sep 01, 2016 - Apr 30, 2017 Registered F16, W17
2016-2017 - *MSPL.RPD*. Ouellette, Isabelle, Sep 01, 2016 - Apr 30, 2017 Registered F16, W17
2014-2015 - *MSPL.RPD*. Sharpe, Bryce, May 01, 2014 - Apr 30, 2015 Registered S14, F14, W15
2014-2015 - *details details*.
2014-2015 - *MSPL.RPD*. Pinkney, Desiree, May 01, 2014 - Aug 31, 2014 Registered S14
2013-2014 - 1 student. Pinkney, Desiree, May 01, 2013 - Apr 30, 2014
2013-2014 - 1 student. Sharpe, Bryce, Sep 01, 2013 - Apr 30, 2014
2012-2013 - Procter, Katherine, May 01, 2012 - Aug 31, 2012
2012-2013 - Lang, Kelsey, Sep 01, 2012 - Apr 30, 2013
2012-2013 - Mcintyre, Shannon, May 01, 2012 - Aug 31, 2012
2012-2013 - Morawetz, Mitchell, Sep 01, 2012 - Apr 30, 2013
2012-2013 - Pinkney, Desiree, Sep 01, 2012 - Apr 30, 2013
2011-2012 - Salguero, Gonzalo, May 01, 2011 - Apr 30, 2012
2011-2012 - Churchyard, Arthur, May 01, 2011 - Aug 31, 2011
2011-2012 - Morawetz, Mitchell, Sep 01, 2011 - Apr 30, 2012
2011-2012 - Boddie, Alecia, Sep 01, 2011 - Apr 30, 2012
2011-2012 - Procter, Katherine, May 01, 2011 - Apr 30, 2012
2010-2011 - Albarrak, Saad, May 01, 2010 - Apr 30, 2011
2010-2011 - Churchyard, Arthur, May 01, 2010 - Apr 30, 2011
2010-2011 - Medeiros, Jeffery, Sep 01, 2010 - Apr 30, 2011
2010-2011 - Crinklaw, Andrew, May 01, 2010 - Apr 30, 2011
2010-2011 - Mercer, Jaclyn, May 01, 2010 - Apr 30, 2011

Graduate Advising - Primary - Masters MRP

2017-2018 - *MSPL.RPD:L.* Sully, Nicholas, Sep 01, 2017 - Apr 30, 2018 Registered F17, W18
2017-2018 - *MSPL.RPD:L.* Cho, Patricia Bik Yeve, Sep 01, 2017 - Apr 30, 2018 Registered F17, W18
2017-2018 - *MPLAN.RPD:L.* Schoemaker Holmes, Jacqueline, Sep 01, 2017 - Apr 30, 2018 Registered F17, W18
2017-2018 - *MSPL.RPD:L.* Kolinas, Michael, Sep 01, 2017 - Apr 30, 2018 Registered F17, W18
2017-2018 - *MSPL.RPD:L.* Young, Katharine, Sep 01, 2017 - Apr 30, 2018 Registered F17, W18
2017-2018 - *MSPL.RPD:L.* Heddle, Abby, Sep 01, 2017 - Apr 30, 2018 Registered F17, W18
2017-2018 - *MPLAN.RPD:L.* Barbour, Rhiannon, Jan 01, 2018 - Apr 30, 2018 Registered W18
2016-2017 - *MSPL.RPD:L.* Sully, Nicholas, Sep 01, 2016 - Apr 30, 2017 Registered F16, W17
2016-2017 - *MSPL.RPD:L.* Wellings, Taylor, Sep 01, 2016 - Dec 31, 2016 Registered F16
2016-2017 - *MSPL.RPD:L.* Vanquaethem, Nicole, May 01, 2016 - Dec 31, 2016 Registered S16, F16
2016-2017 - *MPLAN.RPD:L.* Tranter, Jasmine, Sep 01, 2016 - Apr 30, 2017 Registered F16, W17
2016-2017 - *MSPL.RPD:L.* Burns, Jennifer, Sep 01, 2016 - Apr 30, 2017 Registered F16, W17
2016-2017 - *MSPL.RPD:L.* Dubyna, Jaime, Sep 01, 2016 - Dec 31, 2016 Registered F16
2016-2017 - *MSPL.RPD:L.* Pauk, Jonathan, Sep 01, 2016 - Apr 30, 2017 Registered F16, W17
2016-2017 - *MSPL.RPD:L.* Mcalpine, Anissa, May 01, 2016 - Aug 31, 2016 Registered S16
2016-2017 - *MSPL.RPD:L.* Herbert, Amanda, May 01, 2016 - Apr 30, 2017 Registered S16, F16, W17
2016-2017 - *MSPL.RPD:L.* Newlands, James, Sep 01, 2016 - Apr 30, 2017 Registered F16, W17
2015-2016 - *MSPL.RPD:L.* Pauk, Jonathan, Sep 01, 2015 - Apr 30, 2016 Registered for F15, W16
2015-2016 - *MSPL.RPD:L.* Vanquaethem, Nicole, Sep 01, 2015 - Apr 30, 2016 Registered for F15, W16
2015-2016 - *MSPL.RPD:L.* Herbert, Amanda, Sep 01, 2015 - Apr 30, 2016 Registered for F15, W16
2015-2016 - *MSPL.RPD:L.* Wellings, Taylor, Sep 01, 2015 - Apr 30, 2016 Registered for F15, W16
2015-2016 - *MSPL.RPD:L.* Mcalpine, Anissa, May 01, 2015 - Apr 30, 2016 Registered for S15, F15, W16
2015-2016 - *MSPL.RPD:L.* Loverock, Bailey, May 01, 2015 - Dec 31, 2015 Registered for S15, F15
2015-2016 - *MPLAN.RPD:L.* Pelosi, Aaron, May 01, 2015 - Dec 31, 2015 Registered for S15, F15
2015-2016 - *MSPL.RPD:L.* Burns, Jennifer, Sep 01, 2015 - Apr 30, 2016 Registered for F15, W16
2015-2016 - *MSPL.RPD:L.* Sharpe, Bryce, May 01, 2015 - Aug 31, 2015 Registered for S15
2015-2016 - *MSPL.RPD:L.* Dubyna, Jaime, May 01, 2015 - Apr 30, 2016 Registered for S15, F15, W16
2015-2016 - *MSPL.RPD:L.* Newlands, James, Sep 01, 2015 - Apr 30, 2016 Registered F15, W16
2015-2016 - *MPLAN.RPD:L.* Basalle, Christie, May 01, 2015 - Apr 30, 2016 Registered for S15, F15, W16
2014-2015 - *MPLAN.RPD:L.* Khan, Bakhtawar, Sep 01, 2014 - Apr 30, 2015 Registered F14, W15
2014-2015 - *MPLAN.RPD:L.* Pelosi, Aaron, Sep 01, 2014 - Apr 30, 2015 Registered F14, W15
2014-2015 - *MSPL.RPD:L.* Rau, Monika, May 01, 2014 - Apr 30, 2015 Registered S14, F14, W15
2014-2015 - *MSPL.RPD:L.* Morawetz, Mitchell, May 01, 2014 - Apr 30, 2015 Registered S14, F14, W15
2014-2015 - *MSPL.RPD:L.* Liu, Yuxi, May 01, 2014 - Apr 30, 2015 Registered S14, F14, W15
2014-2015 - *MSPL.RPD:L.* Dubyna, Jaime, Sep 01, 2014 - Apr 30, 2015 Registered F14, W15
2014-2015 - *MPLAN.RPD:L.* Banford, Melissa, May 01, 2014 - Dec 31, 2014 Registered S14, F14
2014-2015 - *MSPL.RPD:L.* Mcalpine, Anissa, Sep 01, 2014 - Apr 30, 2015 Registered F14, W15
2014-2015 - *MSPL.RPD:L.* Loverock, Bailey, Sep 01, 2014 - Apr 30, 2015 Registered F14, W15

2013-2014 - 1 student. Delaquis, Daniel, Sep 01, 2013 - Apr 30, 2014
2013-2014 - 1 student. Huff, Jennifer, Jan 01, 2014 - Apr 30, 2014
2013-2014 - 1 student. Lang, Kelsey, May 01, 2013 - Apr 30, 2014
2013-2014 - 1 student. Kaptur, Suzanna, Sep 01, 2013 - Apr 30, 2014
2013-2014 - 1 student. Liu, Yuxi, Sep 01, 2013 - Apr 30, 2014
2013-2014 - 1 student. Avis, Mitchell, May 01, 2013 - Dec 31, 2013
2013-2014 - 1 student. Morawetz, Mitchell, May 01, 2013 - Apr 30, 2014
2012-2013 - Salguero, Gonzalo, May 01, 2012 - Apr 30, 2013
2012-2013 - Sisson, Jennifer, Sep 01, 2012 - Apr 30, 2013
2012-2013 - Kaptur, Suzanna, Sep 01, 2012 - Apr 30, 2013
2012-2013 - Boddie, Alecia, May 01, 2012 - Apr 30, 2013
2012-2013 - Huff, Jennifer, Sep 01, 2012 - Dec 31, 2012
2012-2013 - Walker-Bolton, Monica, May 01, 2012 - Aug 31, 2012
2012-2013 - Poole, Kyle, May 01, 2012 - Apr 30, 2013
2012-2013 - Ferguson, Erica, May 01, 2012 - Apr 30, 2013
2012-2013 - Wiebe, Alan, May 01, 2012 - Aug 31, 2012
2012-2013 - Avis, Mitchell, Sep 01, 2012 - Apr 30, 2013
2011-2012 - Ferguson, Erica, May 01, 2011 - Apr 30, 2012
2011-2012 - Medeiros, Jeffery, May 01, 2011 - Apr 30, 2012
2011-2012 - Eckert, Anneleis, May 01, 2011 - Dec 31, 2011
2011-2012 - Mcintyre, Shannon, May 01, 2011 - Apr 30, 2012
2011-2012 - Crinklaw, Andrew, May 01, 2011 - Apr 30, 2012
2011-2012 - Albarrak, Saad, May 01, 2011 - Dec 31, 2011
2011-2012 - Joosse, Reuben, May 01, 2011 - Apr 30, 2012
2011-2012 - Walker-Bolton, Monica, May 01, 2011 - Apr 30, 2012
2011-2012 - Lejcar, Amy, Sep 01, 2011 - Dec 31, 2011
2011-2012 - Sisson, Jennifer, Sep 01, 2011 - Apr 30, 2012
2010-2011 - Crozier, Carolyn, May 01, 2010 - Apr 30, 2011
2010-2011 - Mcintyre, Shannon, Sep 01, 2010 - Apr 30, 2011
2010-2011 - Temple, Katherine, May 01, 2010 - Aug 31, 2010
2010-2011 - Holzman, Sara, Sep 01, 2010 - Apr 30, 2011

Graduate Advising - Primary - Masters Undeclared

2010-2011 - Famiglietti, Alysha, Sep 01, 2010 - Dec 31, 2010
2010-2011 - Procter, Katherine, Sep 01, 2010 - Apr 30, 2011
2010-2011 - Walker-Bolton, Monica, May 01, 2010 - Apr 30, 2011
2010-2011 - Eckert, Anneleis, Sep 01, 2010 - Apr 30, 2011
2010-2011 - Ferguson, Erica, Sep 01, 2010 - Apr 30, 2011

2010-2011 - Morawetz, Mitchell, Sep 01, 2010 - Apr 30, 2011

2010-2011 - Wiebe, Alan, Sep 01, 2010 - Apr 30, 2011

2010-2011 - Joesse, Reuben, Sep 01, 2010 - Apr 30, 2011

Graduate Advising - Co-Advisor - Doctoral

2016-2017 - *PHD.RST.* Hempel, Anna, May 01, 2016 - Apr 30, 2017 Registered S16, F16, W17

2016-2017 - *PHD.RST.* Korzun, Monika, May 01, 2016 - Apr 30, 2017 Registered S16, F16, W17

2015-2016 - *PHD.RST.* Korzun, Monika, May 01, 2015 - Apr 30, 2016 Registered for S15, F15, W16

Graduate Advising - Co-Advisor - Masters

2017-2018 - *MSPL.RPD.* Smith, Mallory, Sep 01, 2017 - Apr 30, 2018 Registered F17, W18

Graduate Advising - Co-Advisor - Masters MRP

2017-2018 - *MSPL.RPD:L.* Hunting, Timothy, Sep 01, 2017 - Apr 30, 2018 Registered F17, W18

2017-2018 - *MPLAN.RPD:L.* Tranter, Jasmine, May 01, 2017 - Dec 31, 2017 Registered S17, F17

2014-2015 - *MSPL.RPD:L.* Kokoszka, Monika, May 01, 2014 - Apr 30, 2015 Registered S14, F14, W15

2013-2014 - 1 student. Kokoszka, Monika, May 01, 2013 - Apr 30, 2014

2013-2014 - 1 student. Rau, Monika, Sep 01, 2013 - Apr 30, 2014

2012-2013 - Isaac, Jessica, May 01, 2012 - Apr 30, 2013

2012-2013 - Lejcar, Amy, Sep 01, 2012 - Apr 30, 2013

2011-2012 - Poole, Kyle, Jan 01, 2012 - Apr 30, 2012

2011-2012 - Isaac, Jessica, Sep 01, 2011 - Apr 30, 2012

2010-2011 - Carnochan, Denise, May 01, 2010 - Aug 31, 2010

2010-2011 - Sullivan, Michael, May 01, 2010 - Dec 31, 2010

2010-2011 - Hempel, Anna, May 01, 2010 - Aug 31, 2010

Graduate Advising - Committee - Doctoral

2017-2018 - *PHD.RST.* Korzun, Monika, Sep 01, 2017 - Apr 30, 2018 Registered F17, W18

2017-2018 - *PHD.RST.* Weeden, Sara, Sep 01, 2017 - Apr 30, 2018 Registered F17, W18

2017-2018 - *PHD.RST.* Ferguson, Mary, May 01, 2017 - Apr 30, 2018 Registered S17, F17, W18

2016-2017 - *PHD.RST.* Ferguson, Mary, May 01, 2016 - Apr 30, 2017 Registered S16, F16, W17

2015-2016 - *PHD.RST.* Hempel, Christy A., May 01, 2015 - Apr 30, 2016 Registered for S15, F15, W16

2015-2016 - *PHD.RST.* Ferguson, Mary, May 01, 2015 - Apr 30, 2016 Registered for S15, F15, W16

2014-2015 - *PHD.RST.* Korzun, Monika, May 01, 2014 - Apr 30, 2015 Registered S14, F14, W15

2014-2015 - *PHD.RST.* Edmunds, T. Keith, May 01, 2014 - Apr 30, 2015 Registered S14, F14, W15

2014-2015 - *PHD.RST.* Kramer, Melanie, May 01, 2014 - Apr 30, 2015 Registered S14, F14, W15

2014-2015 - *PHD.RST.* Hempel, Christy A., May 01, 2014 - Apr 30, 2015 Registered S14, F14, W15

2014-2015 - *PHD.RST.* Ferguson, Mary, May 01, 2014 - Apr 30, 2015 Registered S14, F14, W15

2013-2014 - 1 student. Ferguson, Mary, May 01, 2013 - Apr 30, 2014

2013-2014 - 1 student. Hempel, Christy A., May 01, 2013 - Apr 30, 2014

2013-2014 - 1 student. Korzun, Monika, May 01, 2013 - Apr 30, 2014

2013-2014 - 1 student. Kramer, Melanie, May 01, 2013 - Apr 30, 2014
2013-2014 - 1 student. Edmunds, T. Keith, May 01, 2013 - Apr 30, 2014
2012-2013 - Mayhew, Linda Ann - Apr 30, 2013
2012-2013 - Ferguson, Mary, Sep 01, 2012 - Apr 30, 2013
2012-2013 - Hempel, Christy A., Jan 01, 2013 - Apr 30, 2013
2012-2013 - Kramer, Melanie, Sep 01, 2012 - Apr 30, 2013
2012-2013 - Korzun, Monika, May 01, 2012 - Apr 30, 2013
2012-2013 - Edmunds, T. Keith, May 01, 2012 - Apr 30, 2013
2012-2013 - Mount, Philip, May 01, 2012 - Aug 31, 2012
2011-2012 - Korzun, Monika, May 01, 2011 - Apr 30, 2012
2011-2012 - Pletsch, Carolyn, May 01, 2011 - Dec 31, 2011
2011-2012 - Hempel, Anna, May 01, 2011 - Apr 30, 2012
2011-2012 - Mount, Philip, May 01, 2011 - Apr 30, 2012
2011-2012 - Edmunds, T. Keith, Sep 01, 2011 - Apr 30, 2012
2011-2012 - Mayhew, Linda, Sep 01, 2011 - Apr 30, 2012
2010-2011 - Pletsch, Carolyn, May 01, 2010 - Apr 30, 2011
2010-2011 - Mayhew, Linda, May 01, 2010 - Aug 31, 2010
2010-2011 - Korzun, Monika, May 01, 2010 - Apr 30, 2011
2010-2011 - Mount, Philip, May 01, 2010 - Apr 30, 2011

Graduate Advising - Committee - Masters

2017-2018 - *MSPL.RPD*. Stoop, Neil, May 01, 2017 - Apr 30, 2018 Registered S17, F17, W18
2017-2018 - *MSC.CDE*. Garcia Hernandez, Manuel, May 01, 2017 - Aug 31, 2017 Registered S17
2017-2018 - *MSPL.RPD*. Petric, Alexander, May 01, 2017 - Apr 30, 2018 Registered S17, F17, W18
2017-2018 - *MSPL.RPD*. Garland, Nathaniel, May 01, 2017 - Apr 30, 2018 Registered S17, F17, W18
2016-2017 - *MSPL.RPD*. Worrton, Stephanie, May 01, 2016 - Apr 30, 2017 Registered S16, F16, W17
2016-2017 - *MSPL.RPD*. Petric, Alexander, Sep 01, 2016 - Apr 30, 2017 Registered F16, W17
2016-2017 - *MSPL.RPD*. Fu, Ge, Jan 01, 2017 - Apr 30, 2017 Registered W17
2016-2017 - *MSC.CDE*. Arora, Pallak, May 01, 2016 - Apr 30, 2017 Registered S16, F16, W17
2016-2017 - *MSPL.RPD*. Garland, Nathaniel, May 01, 2016 - Apr 30, 2017 Registered S16, F16, W17
2016-2017 - *MSPL.RPD*. Libawski, Brayden, Sep 01, 2016 - Apr 30, 2017 Registered F16, W17
2015-2016 - *MSPL.RPD*. Worrton, Stephanie, Sep 01, 2015 - Apr 30, 2016 Registered for F15, W16
2014-2015 - *MSC.CDE*. Hajer, Stephanie, May 01, 2014 - Apr 30, 2015 Registered S14, F14, W15
2014-2015 - *MSC.CDE*. Skinner, Cody, May 01, 2014 - Dec 31, 2014 Registered S14, F14
2013-2014 - 1 student. Kuchma, Mollie, May 01, 2013 - Apr 30, 2014
2013-2014 - 1 student. Skinner, Cody, May 01, 2013 - Apr 30, 2014
2013-2014 - 1 student. Hajer, Stephanie, May 01, 2013 - Apr 30, 2014
2013-2014 - 1 student. Martin, Duncan, Sep 01, 2013 - Apr 30, 2014
2013-2014 - 1 student. Gallant, Brendan, Sep 01, 2013 - Apr 30, 2014

2013-2014 - 1 student. Ferguson, Mark, May 01, 2013 - Dec 31, 2013

2012-2013 - Skinner, Cody, Sep 01, 2012 - Apr 30, 2013

2012-2013 - Kuchma, Mollie, Sep 01, 2012 - Apr 30, 2013

2012-2013 - Marr, Eric, May 01, 2012 - Aug 31, 2012

2012-2013 - Ferguson, Mark, May 01, 2012 - Apr 30, 2013

2012-2013 - Hajer, Stephanie, May 01, 2012 - Apr 30, 2013

2011-2012 - Marr, Eric, May 01, 2011 - Apr 30, 2012

2011-2012 - Miller, Justin, May 01, 2011 - Apr 30, 2012

2010-2011 - Davis, Meredith, May 01, 2010 - Aug 31, 2010

2010-2011 - Marr, Eric, Sep 01, 2010 - Apr 30, 2011

2010-2011 - Holland, James, May 01, 2010 - Aug 31, 2010

Graduate Advising - Committee - Masters MRP

2017-2018 - *MSPL.RPD:L.* Mascotto-Carbone, Lucas, May 01, 2017 - Apr 30, 2018 Registered S17, F17, W18

2017-2018 - *MSPL.RPD:L.* He, Junyan, May 01, 2017 - Apr 30, 2018 Registered S17, F17, W18

2017-2018 - *MSPL.RPD:L.* Alderman, Aimee, May 01, 2017 - Aug 31, 2017 Registered S17

2017-2018 - *MSPL.RPD:L.* Khan, Khulsan, May 01, 2017 - Dec 31, 2017 Registered S17, F17

2016-2017 - *MSPL.RPD:L.* Stoop, Neil, Sep 01, 2016 - Apr 30, 2017 Registered F16, W17

2016-2017 - *MSPL.RPD:L.* Dai, Chuqiao, May 01, 2016 - Dec 31, 2016 Registered S16, F16

2016-2017 - *MSPL.RPD:L.* Welch, Julie, May 01, 2016 - Aug 31, 2016 Registered S16

2016-2017 - *MSPL.RPD:L.* Alderman, Aimee, Sep 01, 2016 - Apr 30, 2017 Registered F16, W17

2016-2017 - *MPLAN.RPD:L.* He, Junyan, Sep 01, 2016 - Dec 31, 2016 Registered F16

2016-2017 - *MSPL.RPD:L.* He, Junyan, Jan 01, 2017 - Apr 30, 2017 Registered W17

2016-2017 - *MSPL.RPD:L.* Khan, Khulsan, Sep 01, 2016 - Apr 30, 2017 Registered F16, W17

2016-2017 - *MSPL.RPD:L.* Labute, Brianne, May 01, 2016 - Aug 31, 2016 Registered S16

2016-2017 - *MSPL.RPD:L.* Maloney, Luke, Sep 01, 2016 - Apr 30, 2017 Registered F16, W17

2016-2017 - *MSPL.RPD:L.* Mascotto-Carbone, Lucas, Sep 01, 2016 - Apr 30, 2017 Registered F16, W17

2016-2017 - *MSPL.RPD:L.* Schreiner, Laura, May 01, 2016 - Apr 30, 2017 Registered S16, F16, W17

2016-2017 - *MSPL.RPD:L.* Nagulan, Janany, May 01, 2016 - Aug 31, 2016 Registered S16

2015-2016 - *MSPL.RPD:L.* Welch, Julie, May 01, 2015 - Apr 30, 2016 Registered for S15, F15, W16

2015-2016 - *MSPL.RPD:L.* Nagulan, Janany, May 01, 2015 - Apr 30, 2016 Registered for S15, F15, W16

2015-2016 - *MSPL.RPD:L.* Schreiner, Laura, Sep 01, 2015 - Apr 30, 2016 Registered for F15, W16

2015-2016 - *MSPL.RPD:L.* Labute, Brianne, May 01, 2015 - Apr 30, 2016 Registered for S15, F15, W16

2015-2016 - *MSPL.RPD:L.* Kissner, Benjamin, May 01, 2015 - Aug 31, 2015 Registered for S15

2015-2016 - *MSPL.RPD:L.* Sian, Manpreet, Sep 01, 2015 - Apr 30, 2016 Registered for F15, W16

2015-2016 - *MSPL.RPD:L.* Alderman, Aimee, Sep 01, 2015 - Apr 30, 2016 Registered for F15, W16

2015-2016 - *MPLAN.RPD:L.* Scott, David, May 01, 2015 - Aug 31, 2015 Registered for S15

2015-2016 - *MPLAN.RPD:L.* Alcock, Krista, May 01, 2015 - Apr 30, 2016 Registered for S15, F15, W16

2015-2016 - *MSPL.RPD:L*. Bal, Tanjot, May 01, 2015 - Apr 30, 2016 Registered for S15, F15, W16
2015-2016 - *MSPL.RPD:L*. Dai, Chuqiao, May 01, 2015 - Apr 30, 2016 Registered for S15, F15, W16
2015-2016 - *MSPL.RPD:L*. Dempster, Calvin, May 01, 2015 - Apr 30, 2016 Registered for S15, F15, W16
2015-2016 - *MSPL.RPD:L*. Garland, Nathaniel, May 01, 2015 - Apr 30, 2016 Registered for S15, F15, W16
2015-2016 - *MSPL.RPD:L*. Joyce, Nigel, May 01, 2015 - Apr 30, 2016 Registered for S15, F15, W16
2014-2015 - *MSPL.RPD:L*. Dempster, Calvin, Sep 01, 2014 - Apr 30, 2015 Registered F14, W15
2014-2015 - *MSPL.RPD:L*. Filson, Shawn, Sep 01, 2014 - Apr 30, 2015 Registered F14, W15
2014-2015 - *MSPL.RPD:L*. Labute, Brianne, Sep 01, 2014 - Apr 30, 2015 Registered F14, W15
2014-2015 - *MSPL.RPD:L*. Sian, Manpreet, Sep 01, 2014 - Apr 30, 2015 Registered F14, W15
2014-2015 - *MSPL.RPD:L*. Welch, Julie, Sep 01, 2014 - Apr 30, 2015 Registered F14, W15
2014-2015 - *MPLAN.RPD:L*. Scott, David, Sep 01, 2014 - Apr 30, 2015 Registered F14, W15
2014-2015 - *MSPL.RPD:L*. Garland, Nathaniel, Sep 01, 2014 - Apr 30, 2015 Registered F14, W15
2014-2015 - *MSPL.RPD:L*. Nagulan, Janany, Sep 01, 2014 - Apr 30, 2015 Registered F14, W15
2014-2015 - *MSPL.RPD:L*. Henderson, Kelly, May 01, 2014 - Dec 31, 2014 Registered S14, F14
2014-2015 - *MSPL.RPD:L*. Kissner, Benjamin, May 01, 2014 - Apr 30, 2015 Registered S14, F14, W15
2014-2015 - *MSPL.RPD:L*. Joyce, Nigel, Sep 01, 2014 - Apr 30, 2015 Registered F14, W15
2014-2015 - *MSPL.RPD:L*. Martin, Duncan, May 01, 2014 - Apr 30, 2015 Registered S14, F14, W15
2014-2015 - *MPLAN.RPD:L*. Wedderburn, Duran, May 01, 2014 - Dec 31, 2014 Registered S14, F14
2014-2015 - *MSPL.RPD:L*. Dai, Chuqiao, Sep 01, 2014 - Apr 30, 2015 Registered F14, W15
2014-2015 - *MPLAN.RPD:L*. Simpson, Heather, May 01, 2014 - Aug 31, 2014 Registered S14
2014-2015 - *MPLAN.RPD:L*. Alcock, Krista, Sep 01, 2014 - Apr 30, 2015 Registered F14, W15
2014-2015 - *MSPL.RPD:L*. Bal, Tanjot, Sep 01, 2014 - Apr 30, 2015 Registered F14, W15
2014-2015 - *MSPL.RPD:L*. Lefler, Shaina, May 01, 2014 - Apr 30, 2015 Registered S14, F14, W15
2013-2014 - 1 student. Robson, Dustin, Sep 01, 2013 - Dec 31, 2013
2013-2014 - 1 student. Wedderburn, Duran, Sep 01, 2013 - Apr 30, 2014
2013-2014 - 1 student. Henderson, Kelly, May 01, 2013 - Apr 30, 2014
2013-2014 - 1 student. Simpson, Heather, Sep 01, 2013 - Apr 30, 2014
2012-2013 - Delaquis, Daniel, Sep 01, 2012 - Apr 30, 2013
2012-2013 - Henderson, Kelly, Sep 01, 2012 - Apr 30, 2013
2012-2013 - Robson, Dustin, Sep 01, 2012 - Apr 30, 2013
2011-2012 - Ferguson, Mark, Sep 01, 2011 - Apr 30, 2012
2011-2012 - Alhamad, Hamad, Sep 01, 2011 - Apr 30, 2012
2011-2012 - Sissons, Robert, May 01, 2011 - Apr 30, 2012
2010-2011 - Velaniskis, Jonas, May 01, 2010 - Aug 31, 2010
2010-2011 - Megens, Sarah, May 01, 2010 - Dec 31, 2010
2010-2011 - Toman, Charlie, May 01, 2010 - Dec 31, 2010
2010-2011 - Hamilton, Keith, May 01, 2010 - Apr 30, 2011
2010-2011 - Lapierre-Fortin, Emanuele, May 01, 2010 - Apr 30, 2011

2010-2011 - Jones, Gregory, Sep 01, 2010 - Dec 31, 2010

2010-2011 - Sullivan, Nicole, Sep 01, 2010 - Dec 31, 2010

2010-2011 - Stone, J. Stephen, Sep 01, 2010 - Apr 30, 2011

2010-2011 - Muange, Wangari, Sep 01, 2010 - Dec 31, 2010

Graduate Advising - Committee - Masters Undeclared

2010-2011 - Miller, Justin, Sep 01, 2010 - Apr 30, 2011

* Please note graduate students may appear more than once in the advisory lists above, as one record is created for each academic year that the student is enrolled.

5. RESEARCH AND SCHOLARSHIP

RESEARCH CONTEXTUAL STATEMENT

RESEARCH FUNDING RECEIVED

	Acad Year	Title	Funding Agency	Role	Status	Scope	Multi-Year	Awarded
1.	2018-2019	Communities left behind? A timely examination of school closure controversies for justice-informed decision-making on the fate of public schools in Ontario	GOV-SSHRC INSIGHT GRANT	Co-Investigator	Funded	External	[Year 1 of 4]	
2.	2018-2019	Measuring Farmland Loss: Quantifying the Conversion of Designated Farmland to Nonfarm Land Uses Across Ontario and Assessing the Relevance of Farm Severance Policies	GOV-OMAFRA AGREEMENT RESEARCH PROGRAMS	Principal Investigator	Funded	External	[Year 1 of 2]	\$97,500.00
3.	2018-2019	Aggregate and Agriculture: Understanding the Impacts of Aggregate Production on Agriculture and Identifying Mitigating Strategies	GOV-OMAFRA AGREEMENT RESEARCH PROGRAMS	Principal Investigator	Funded	External	[Year 1 of 3]	\$142,500.00

4.	2017-2018	Supporting the Economic Integration of Immigrants and International Students in Rural Labour Markets	Wellington County Economic Development	Principal Investigator	Funded	External	[Year 1 of 2]	\$15,000.00
5.	2017-2018	Understanding the Barriers to Livestock Production in the Clay Belt: An Economic, Social and Political Analysis	GOV-OMAFRA - SPECIAL RESEARCH PROJECTS/NEW DIRECTIONS	Co-Principal Investigator	Funded	External	[Year 1 of 2]	\$200,000.00
6.	2016-2017	Evidence-Informed Strategies and Models of Practice for Healthy Rural Built Environments	Public Health Ontario (via Chatham-Kent Public Health)	Principal Investigator	Funded	External	[Year 1 of 2]	\$10,000.00
7.	2015-2016	Growing Resilient Agricultural Communities through Collaborative Knowledge Transfer and Translation	GOV-OMAFRA - AGRICULTURE & FOOD RESEARCH FUND	Principal Investigator	Funded	External	[Year 1 of 2]	\$56,000.00
8.	2015-2016	REB APP	GOV-OMAFRA AGREEMENT RESEARCH PROGRAMS	Principal Investigator	Funded	External	[Year 1 of 2]	
9.	2014-2015	Healthy Rural Communities Municipal Strategies	Chatham Kent Public Health Unit (Public Health Ontario)	Principal Investigator	Funded	External		\$3,420.00
10.	2014-2015	Best Practices in the Use of Nature/Natural Systems to Create New Economic Activity and Rural Community Resilience	GOV-OMAFRA - AGRICULTURE & FOOD RESEARCH FUND	Principal Investigator	Funded	External	[Year 1 of 2]	\$97,500.00
11.	2014-2015	Land Use Planning and Agriculture: Measuring Farmland Availability	GOV-OMAFRA - AGRICULTURE & FOOD RESEARCH FUND	Principal Investigator	Funded	External	[Year 1 of 3]	\$159,000.00

12.	2014-2015	Mining Local Food in Northern Ontario: Building Opportunities for the Production and Distribution of Local Food in Northern Ontario	GOV-OMAFRA - AGRICULTURE & FOOD RESEARCH FUND	Principal Investigator	Funded	External	[Year 1 of 3]	\$149,500.00
13.	2014-2015	Healthy Rural Communities- Knowledge Translation, Toolkit and Website Development	Chatham-Kent Public Health Unit	Principal Investigator	Funded	External		\$8,920.00
14.	2014-2015	Building Healthy Rural Communities Through Knowledge Translation, Transfer and Dissemination	GOV-OMAFRA - AGRICULTURE & FOOD RESEARCH FUND	Principal Investigator	Funded	External	[Year 1 of 2]	\$60,750.00
15.	2013-2014	Municipality of Chatham Kent. Tree By-laws and Local Issues	Municipality of Chatham Kent	Principal Investigator	Funded	External		\$5,000.00
16.	2013-2014	Mobile food processing facilities: Opportunities in the rural food processing sector	GOV-OMAFRA - AGRICULTURE & FOOD RESEARCH FUND	Principal Investigator	Funded	External	[Year 1 of 2]	\$73,815.00
17.	2013-2014	Working with new immigrants for rural areas: Policy and program implications for rural areas	GOV-OMAFRA - SPECIAL RESEARCH PROJECTS/NEW DIRECTIONS	Principal Investigator	Funded	External	[Year 1 of 3]	\$158,000.00
18.	2013-2014	Agricultural Land Use Planning in Canada: A Study of Principles and Beneficial Practices for Integrating Public Priorities for Agriculture and Food across Jurisdictions	GOV-SSHRC INSIGHT GRANT	Co-Principal Investigator	Funded	External	[Year 1 of 3]	\$119,000.00

19.	2013-2014	U of G The Ontario Rural Landowners Stewardship Guide: Extending Its Application Across Rural Ontario - Review, Refinement and Promotion	GOV-OMAFRA - AGRICULTURE & FOOD RESEARCH FUND	Principal Investigator	Funded	External		\$7,500.00
20.	2013-2014	Student Lead Community Projects and the Application of Innovative Web-Based Engagement	OMAFRA - Knowledge Translation and Transfer	Principal Investigator	Funded	External	[Year 1 of 2]	\$27,000.00
21.	2012-2013	Co-operatives as an Alternative system to supply healthy local food for rural economic development	GOV-OMAFRA - AGRICULTURE & FOOD RESEARCH FUND	Principal Investigator	Funded	External	[Year 1 of 2]	\$91,000.00
22.	2012-2013	Recommended Best Practices for Healthy Rural Built Environments	Public Health Ontario	Principal Investigator	Funded	External	[Year 1 of 2]	\$47,000.00
23.	2011-2012	Central Huron: Comprehensive Review	Central Huron (Municipality)	Principal Investigator	Funded	External		\$2,000.00
24.	2011-2012	South Huron: Comprehensive Review	South Huron (Municipality)	Principal Investigator	Funded	External		\$2,000.00
25.	2011-2012	Strategic Directions for Agricultural Development in North Eastern Ontario	North East Community Network	Principal Investigator	Funded	External		\$15,000.00
26.	2011-2012	U of G The Ontario Rural Landowners Stewardship Guide: Extending Its Application Across Rural Ontario - Review, Refinement and Promotion	GOV-OMAFRA	Principal Investigator	Funded	External	[Year 2 of 2]	\$50,000.00
27.	2011-2012	U of G Planning for Agriculture: KTT to Engage Municipalities, Farmers and the Public	GOV-OMAFRA	Principal Investigator	Funded	External	[Year 2 of 2]	\$35,450.00

28.	2011-2012	Perth South: Community Economic Development	Municipality of Perth South	Principal Investigator	Funded	External		\$10,000.00
29.	2011-2012	North Huron: Comprehensive Review	North Huron (Municipality)	Principal Investigator	Funded	External		\$2,000.00
30.	2011-2012	County of Huron: Effect of Wind Turbines on Tourism	County of Huron	Principal Investigator	Funded	External		\$2,000.00
31.	2011-2012	Cavan-Monaghan Cost of Community Services	Cavan-Monaghan Municipality (with Monieson Centre)	Principal Investigator	Funded	External		\$4,499.00
32.	2011-2012	Morris Turnberry: Comprehensive Review	Morris Turnberry (Municipality)	Principal Investigator	Funded	External		\$2,000.00
33.	2011-2012	Viticulture Project	GOV-COUNTY OF HURON	Principal Investigator	Funded	External		\$2,000.00
34.	2010-2011	Regional Development: Green Jobs	GOV-MATHEMATICS INFO. TECH. & COMP. SYST.- ACCELERATE	Principal Investigator	Funded	External		\$45,000.00
35.	2010-2011	U of G CED Best Practices in Rural Economic Development and Planning: A Learning Series for Municipal Councillors and Practitioners	GOV-OMAFRA	Principal Investigator	Funded	External		\$40,000.00
36.	2010-2011	U of G Doing Democracy with Circles: Workshops for Public Sector Professionals	GOV-OMAFRA	Principal Investigator	Funded	External		\$21,000.00
37.	2010-2011	U of G Regional Development: Planning for Resiliency in the 21st Century - A Methodology and Approach for Communities Dealing with Climate Change and Rising Oil Prices	GOV-OMAFRA	Principal Investigator	Funded	External	[Year 3 of 3]	\$157,750.00

38.	2010-2011	New Directions Rural Non-farm Development: Revisiting Rural Land Use Policy	GOV-OMAFRA	Principal Investigator	Funded	External	[Year 2 of 2]	\$103,600.00
39.	2009-2010	Prospering with a Stable or Declining Population: Best Community Economic Development and Planning Practices for Rural Communities	GOV-INDUSTRY CANADA	Principal Investigator	Funded	External		\$83,000.00
40.	2009-2010	Prospering with a Stable or Declining Population: Best Community Economic Development and Planning Practices for Rural Communities	GOV-OMAFRA	Principal Investigator	Funded	External	[Year 3 of 3]	\$153,250.00
41.	2009-2010	Identifying Rural Research Priorities Through Community Engagement	GOV-OMAFRA	Principal Investigator	Funded	External		\$94,000.00
42.	2008-2009	Rural Development and Horse Farms	GOV-OMAFRA	Principal Investigator	Funded	External		\$20,000.00
43.	2007-2008	The County provides 2500/month to facilitate County based research and activity	GOV-COUNTY OF HURON	Principal Investigator	Funded	External	[Year 2 of 2]	\$30,000.00
44.	2007-2008	Rural Leaders Discretionary	GOV-OMAFRA	Principal Investigator	Funded	External	[Year 2 of 2]	\$5,000.00
45.	2007-2008	Rural Land Owner Stewardship	Ontario Ministry of Natural Resources	Principal Investigator	Funded	External		\$40,000.00
46.	2007-2008	Canadian Water Network	GOV-CANADIAN WATER NETWORK	Principal Investigator	Funded	External	[Year 2 of 2]	\$12,000.00
47.	2007-2008	Municipal Readiness for Environmental Planning	Sustainable Rural Communities	Principal Investigator	Funded	External		\$41,490.00
48.	2007-2008	Climate Change in Rural Communities Studio	GOV-NATURAL RESOURCES CANADA - CANADIAN FOREST SERVICE	Principal Investigator	Funded	External		\$2,500.00

49.	2006-2007	Concern, Conflict and Costs of Environment Regulation for Agriculture	Sustainable Rural Communities	Principal Investigator	Funded	External		\$23,400.00
50.	2006-2007	Clean Water Network	Clean Water Network	Principal Investigator	Funded	External		\$13,000.00
51.	2006-2007	Watershed Planning	ABCA	Principal Investigator	Funded	External		\$12,060.00
52.	2005-2006	Municipal Brownfield Community Improvement Project	GOV-OMAFRA	Principal Investigator	Funded	External		\$5,000.00
53.	2005-2006	Support for Stewardship Manual	Ontario Ministry of Natural Resources	Principal Investigator	Funded	External		\$900.00
54.	2005-2006	Support for Developing Strategies to Engage Agriculture and Recreation	GOV-ENVIRONMENT CANADA	Principal Investigator	Funded	External		\$9,000.00
55.	2005-2006	Community groups in support of delivery of Lake Huron Stewardship Manual	Huron Stewardship Council	Principal Investigator	Funded	External		\$10,000.00
56.	2005-2006	Undergraduate Research Assistant	University of Guelph - Undergraduate Research Assistantship	Principal Investigator	Funded	External		\$5,000.00
57.	2005-2006	Developing strategies to engage agriculture and recreation along the Lake Huron shoreline: A community based approach to solving water quality issues	GOV-OMAFRA	Principal Investigator	Funded	External	[Year 3 of 3]	\$147,225.00
58.	2005-2006	The Clean Water Act and Local Participation (Meredith Walker)	GOV-AUSABLE BAYFIELD CONSERVATION AUTHORITY	Principal Investigator	Funded	External		\$12,080.00
59.	2005-2006	Trillium Watershed Planning	ABCA	Principal Investigator	Funded	External		\$11,593.58
60.	2005-2006	Trillium Contributed to Circle Process	ABCA	Principal Investigator	Funded	External		\$2,000.00

61.	2005-2006	Farmland Preservation Research Project	Metcalf Foundation	Principal Investigator	Funded	External	[Year 2 of 2]	\$193,200.00
62.	2004-2005	Sponsorship for Circles Training	GOV-AUSABLE BAYFIELD CONSERVATION AUTHORITY	Principal Investigator	Funded	External		\$1,150.00
63.	2004-2005	Lakeshore Stewardship Manual	GOV-COUNTY OF HURON	Principal Investigator	Funded	External		\$3,200.00
64.	2004-2005	Bluewater Shoreline Residents Association		Principal Investigator	Funded	External		\$1,500.00
65.	2004-2005	Finding the Balance: Evolving Provincial & Municipal Governance of Nutrient Management	Ontario Pork	Principal Investigator	Funded	External	[Year 2 of 2]	\$22,450.00
66.	2004-2005	Undergraduate Research Assistant	University of Guelph - Undergraduate Research Assistantship	Principal Investigator	Funded	External		\$5,000.00
67.	2003-2004	Building Local Capacity to Provide Clean Water	National Centres for Excellence: Canadian Water Network	Principal Investigator	Funded	External		\$8,000.00
68.	2003-2004	Conflict Resolution in Rural Ontario: Strategies for Responding to the Intensification of Agriculture	Ontario Pork	Principal Investigator	Funded	External		\$33,932.00
69.	2003-2004	Conflict Resolution in Rural Ontario: Responding to the Intensification of Agriculture	Sustainable Rural Communities	Principal Investigator	Funded	External	[Year 2 of 2]	\$43,000.00
70.	2003-2004	Farmland Preservation Research Project	Sustainable Rural Communities	Principal Investigator	Funded	External	[Year 2 of 2]	\$46,000.00
71.	2003-2004	Farmland Preservation Research Project	Metcalf Foundation	Principal Investigator	Funded	External		\$193,200.00
72.	2003-2004	Livestock Production and Models for Conflict Resolution	Livestock Environment Initiative	Principal Investigator	Funded	External		\$29,918.00

73.	2002-2003	Conflict Resolution in Rural Ontario: Strategies for Responding to the Environmental, Economic and Social Impacts of Agriculture	GOV-OMAFRA	Principal Investigator	Funded	External	[Year 2 of 2]	\$54,451.00
74.	2002-2003	Conflict Resolution in Rural Communities: Strategies for Responding to the Environmental, Economic and Social Impacts of Agriculture	CARCI	Principal Investigator	Funded	External		\$48,395.00
75.	2001-2002	Policy Incentives for Soil and Water Conservation-Farming Systems II	GOV-OMAFRA	Principal Investigator	Funded	External		\$21,000.00
76.	2001-2002	Conflict Resolution in Rural Ontario, Livestock & Agricultural Intensification	United States Information Agency	Principal Investigator	Funded	External		\$9,300.00
77.	2001-2002	Livestock & Agricultural Intensification: Community Perceptions of Environmental, Economic and Social Impacts as an Impediment to Agricultural Production	GOV-OMAFRA	Principal Investigator	Funded	External	[Year 2 of 2]	\$58,698.00
78.	2001-2002	A Comparative Analysis of Tri-National Case Studies in Altamira, Tamaulipas (Mexico), Stony Point, Texas (United States), and South Huron, Ontario (Canada)	Colegio de Mexico	Principal Investigator	Funded	External		\$12,549.00
79.	2000-2001	Rural Non-Farm Development: Its Impact on the Viability and Sustainability of Agricultural and Rural	GOV-OMAFRA	Principal Investigator	Funded	External	[Year 2 of 2]	\$60,659.00

		Communities						
80.	2000-2001	Nutrient Management Training Manual: Development & Delivery	GOV-AGRICULTURAL ADAPTATION COUNCIL (AAC)	Principal Investigator	Funded	External	[Year 2 of 2]	\$18,000.00
81.	1999-2000	Planning for the Future Development of the Niagara On-Farm Wine Industry	GOV-OMAFRA	Principal Investigator	Funded	External		\$16,490.00
82.	1998-1999	Nutrient Management Training Manual	GOV-AGRICULTURAL ADAPTATION COUNCIL (AAC)	Principal Investigator	Funded	External		\$48,000.00
Totals								\$3,683,294.58

PUBLICATIONS AND SCHOLARLY ACTIVITY

LIFETIME SUMMARY (Count) according to the following categories:

Category	Total
Articles in Refereed Journals	24
Articles in Refereed Journals (in Press)	1
Publications in Refereed Conference Proceedings	10
Publications of Non-refereed or Invited Papers	52
Books, Monographs, Compilations, Manuals, Supplements, Chapters, Cases, Readings	35
Revisions of Books, Monographs, Compilations, Manuals	1
Presentations of Refereed Papers	185
Presentations of Non-Refereed Papers	58
Research Report, Refereed and Publicly Available	42
Research Report, Non-Refereed	57
Patent	2

REFEREED PUBLICATIONS

* Denotes Student Contribution

Refereed Articles (Published)

- Laycock, K. E. & Caldwell, Wayne J. (2017). Exploring Community Cohesion In Rural Canada Post-Extreme Weather: Planning Ahead For Unknown Stresses. *Social Indicators Research*.
- Epp, S., Drake, E., & Caldwell, Wayne J. (2017). Land use planning and agriculture: Measuring prime agricultural land conversion in Wellington County, Ontario. *Studies by Undergraduate Researchers at Guelph*.
- Berge, S., Caldwell, Wayne J., & Mount, P. (2016). Governance of Nine Ontario Food Co-operatives. *Annals of Public and Cooperative Economics*, 87 (3), 457-474.
Included within the thematic issue entitled " Organization and governance in social economy enterprises" edited by M. Marini and M. Kopel.

4. Sharpe, B. & Caldwell, Wayne J. (2015). The Cart Before the Horse: Policy Perspectives on Farm Parcel Creation on Mennonite Farms. *Plan Canada (ref.)*, 55 (4), 36-42.

Plan Canada has a category for peer reviewed articles (and this paper has been refereed).

5. Berge, S. & Caldwell, Wayne J. (2014). Co-operatives in the Ontario, Canada, Local Food System: Promoting Food Skills and Community Development. *Journal of Co-operative Studies*.

Berge, Simon and Caldwell, Wayne. (2014). Co-operatives in the Ontario, Canada, Local Food System: Promoting Food Skills and Community Development. *Journal of Co-operative Studies: Special Issue on Canadian Co-operatives*.

6. Berge, S. & Caldwell, Wayne J. (2014). Consumer Food Co-operatives and Community Development. *Review of International Co-operation*, 88-102.

7. Connell, D. J., Bryant, C. R., Caldwell, W. J., Churchyard, A., Cameron, G., Tom Johnston, Matias E. Margulis, Doug Ramsey & Claude Marois (2013). Food sovereignty and agricultural land use planning: The need to integrate public priorities across jurisdictions. *Journal of Agriculture Food Systems and Community Development*, 4 (4), 117-124.

8. Caldwell, Wayne J., Brunett, J., Farley, J., Fisk, A., Gilbert, E., Kate Hall, Jen Kirchner, Jess Klug, Mitch Morawetz, Jamal Nasir, Ying Zhang (2009). Reflections on Planning: Niagara County, New York and Niagara Region, Ontario. *The Canadian Institute of Planners*, 49, 27-30.

9. Caldwell, Wayne J. (2009). The Evolving Nature of Agricultural Production: Implications for Planners. *The Canadian Institute of Planners*, 49, 43-47.

10. Caldwell, Wayne J., Ball, A. M., Ball, J. S., & Parkinson, S. (2008). Questions and Reflections for the Practice of International Planning and Development. *Planning Practice and Research*, 23.

Increased opportunities for western planners to work internationally, especially in the former 'Third World,' also pose risks. Planners can reduce these risks through a commitment to deliberative practice. Specifically, this paper offers seven questions planners may use to aid reflection on their practice. These are: Are you participating in a worthwhile project? What might be the limitations of your expertise within the context? Have you recognized local expertise? Have you considered the historical context of the country you are working in? Have you understood important aspects of local culture, politics, economies and societal concerns? Have you considered the dynamics of current and historic power relations between individuals, organizations and countries? Are you coordinating your work with other partners? Addressing these questions can help to maximize high-quality work, minimize embarrassing errors and ensure that the integrity of the planning profession is maintained.

11. Caldwell, Wayne J. (2006). Impact of Pork Industry on Rural Communities: Community Perceptions of Environmental, Economic and Social Impacts of Livestock Production. *Advances in Pork Production*, 17, 75-85.

12. Caldwell, Wayne J. & Hitts, S. (2005). Farmland Preservation: Innovative Approaches in Ontario. *Journal of Soil and Water Conservation (Ankeny)*, 60, 66-69.

13. Caldwell, Wayne J. (2005). Rural Planning in Canada. *The Canadian Institute of Planners*, 45 (3), 25-28.

14. Short, R., Caldwell, W. J., Ball, J., & Agnew, P. (2005). A Participatory Approach to Water Management: Irrigation Advisory Committees in Southern Ontario. *Canadian Water Resources Journal*, 31, 1-12.

The Big Creek is a watershed of 723 km² on the Norfolk Sand Plain in southern Ontario. The Big Creek supports approximately 800 water takers of which 259 withdraw from surface waters. Dry periods in the late 1980s and late 1990s caused decreased streamflows and increased water takings for irrigation. The fair sharing of water within the basin was not assured since there lacked the capacity for effective management of the water resource. Agricultural producers, local water managers and government developed a framework for participatory management of water to ensure both the fair sharing principle and the maintenance of flows for ecosystem services. The established framework consists of a farmer driven water management committee, called the Irrigation Advisory Committee, which is linked to the provincial Low Water Response Program. The Irrigation Advisory Committee provides a structure enabling 1. two way communication between water managers and irrigators, 2. communication between irrigators, 3. mediation of conflicts between irrigators and 4. education of irrigators. This framework has demonstrated successful management of local water resources during 2001, 2002 and 2003. Particularly during 2001 and 2002, when dry conditions were experienced, the Irrigation Advisory Committee resolved conflicts and ensured that ecosystem functions were not compromised.

15. Caldwell, Wayne J., Eveland, C., Weersink, A., & Yang, W. (2005). Spatial Trends In Barn Building Permits. *Great Lakes*

Geographer, 12 (1), 19-27.

42 municipalities in the livestock intensive region of southwestern Ontario. Most of the permits were issued for barns less than 100 livestock units. Most of the permits for large facilities (larger than 500 livestock units) were exclusively for hog farms. There was no spatial concentration of large facilities away from townships with requirements for a nutrient management plan before building permit approval. Instead, new and expanding barn facilities are being built largely in the traditional livestock production regions. Ontario is currently undergoing a transition from local regulation of livestock facilities to a provincial system. The new regulatory framework will not change the continued concentration of production.

16. Caldwell, Wayne J. & Ball, J. (2003). New Directions For Rural Planning: Community Based Approaches To Conflict Resolution. *The Canadian Institute of Planners*, 43 (4).

17. Caldwell, Wayne J., Ball, J., Brockie, E., Marks, J., Nelson, M., J Parsons, H Rudy, S Stonehouse, S Weber, C Weir, M Williams (2002). Reflections on Planning: Pennsylvania vs. Ontario. *The Canadian Institute of Planners*, 42 (2).

18. Caldwell, Wayne J. & Toombs, M. (1999). Rural Planning, The Community and Large Livestock Facilities: A Cross-Canada Checkup. *The Canadian Institute of Planners*, 39 (5).

19. Caldwell, Wayne J., Bowers, S., Norman, L., Greening, H., & Williams, O. (1999). A Community Development Approach to Environmental Management. *Environments*, 27 (2).

20. Caldwell, Wayne J. & Knight, R. (1998). Representativeness and Openness: A Model for Public Participation. *The Canadian Institute of Planners*, 38 (6).

21. Caldwell, Wayne J. (1998). Land Use Planning, The Environment and the Siting Intensive Livestock Facilities. *Journal of Soil and Water Conservation (Ankeny)*, 53.

Growth In the livestock Industry and corresponding manure production has contributed to concerns over air and water quality and is leading to significant conflict within many rural communities. If this conflict is not resolved there is a concern that the relationship between livestock producers and the community will deteriorate to one of acrimony, harassment and lawsuits, with the eventual loss of livestock production from a given community. Land use planning provides an opportunity for the community and livestock producers to work together to develop an approach that is fair, equitable, and contributes to a vibrant livestock industry.

22. Caldwell, Wayne J. (1995). Rural Planning and Agricultural Land Preservation: The Experience of Huron County, Ontario. *Great Lakes Geographer*, 2 (2).

23. Caldwell, Wayne J. (1994). Consideration of the Environment: An Approach For Rural Planning and Development. *Journal of Soil and Water Conservation (Ankeny)*, 49.

Rural agricultural communities in Canada face increasingly difficult economic circumstances and ever threatening environmental constraints. These issues promise not only to alter the composition of the rural economy and society, but also to threaten the existence of some communities. These threats suggest that rural communities need to focus on economic and environmental issues in agriculture. While there has been a focus on the municipal role in responding to agriculture's economic difficulties, little attention has been directed towards the municipal response to agriculture's environmental problems. For many rural communities there is an inextricable relationship between the welfare of the community and the economic and environmental health of agriculture. As agricultural change has occurred, there has been a corresponding and often negative impact on the rural community. Historically, economic issues have dominated the local agenda, but increasingly agriculture's environmental impacts are being recognized. Issues such as soil erosion, compaction and salinization associated with declining productivity pose a real threat to the future of many rural communities.

24. Caldwell, Wayne J. (1989). The Rural Community: Issues and Local Approaches to Planning and Development. *Environments*, 20 (2).

Refereed Articles (In Press)

1. Nykiforuk, C. & Caldwell, Wayne J. (in press, 2018). Promotion of Physical Activity in Rural, Remote, and Northern Settings: A Canadian Call to Action. *Health Promotion and Chronic Disease Prevention in Canada*.

Publication expected January 2019. This is a refereed article.

Refereed Books, Monographs, Compilations, Manuals

Books

1. Caldwell, Wayne J., Hiltz, S., & Wilton, B. (Ed.). (2017). *Farmland Preservation: Land for Future Generations (2nd Edition)* (2nd ed.). Winnipeg Manitoba: University of Manitoba Press.
Description: This is a second edition with updated chapters. This is published by University of Manitoba Press.
2. Caldwell, Wayne J., Ball, J., & Procter, K. (2015). *Better Decisions, Together - A Facilitation Guide for Community Engagement* Municipal World.
Description: Intended Audience - Municipalities, Planners and elected officials across North America.
3. Caldwell, Wayne J. (Ed.). (2014). *Planning for Rural Resilience: Coping with Climate Change and Energy Futures* University of Manitoba Press.
Description: This book was published by University of Manitoba Press. I am the author or co-author of 5 chapters (total of 11 chapters). Current or former students have contributed to 9 of the chapters. The book was double blind peer reviewed.
4. Caldwell, Wayne J. (2013). *Rural Community Economic Development*. Union, Ontario: Municipal World.
Description: From the Publisher: "In this book, author Wayne Caldwell presents a number of case studies and key lessons that have relevance for communities across the country. These lessons can be adopted and applied by local politicians, municipal staff and the general public in working to enhance their community and neighbourhood."
5. Caldwell, Wayne J. (2011). *Rediscovering Thomas Adams: Rural Planning and Development in Canada*. Vancouver, British Columbia: UBC Press.
Description: Rural depopulation, protection of natural resources, suburbanization, affordable housing, mass transportation, loss of fertile lands -- these are modern problems, yet they are not new. Thomas Adams grappled with these same concerns nearly a century ago, when he wrote *Rural Planning and Development*, a comprehensive overview of planning issues at the time of the First World War. *Rediscovering Thomas Adams* reintroduces a new generation to a book that quickly became a touchstone for planners and planning in Canada. Updated with commentaries by Canada's leading planners who hold up Adams' text as a mirror to reflect upon contemporary planning issues, this richly illustrated book highlights Adams' influence on the planning profession and the continued significance of his comprehensive, pragmatic vision for building better rural and urban communities. Chapter by chapter, from production and systems of surveying to government policies and legislation, the contributors not only place Adams' text and Canadian planning in historical context, they also put forward a new vision of what planning and development can be. First published in 1917, *Rural Planning and Development* continues to resonate as a broad vision for planning, one that moves beyond the demands of the moment to offer a long-term vision for a better future.
6. Ball, J., Caldwell, W., & Pranis, K. (2010). *Doing Democracy with Circles: Engaging Communities in Public Planning*. St. Paul, Minnesota: Living Justice Press.
7. Pinkerton, K., Landman, K., & Caldwell, W. (2007). *Stewardship Guide for Lake Huron Watershed 2007* Published by County of Huron.
8. Caldwell, Wayne J., Fisher, C., & Weir, L. (2007). *Huron County – Ontario's West Coast*. Kitchener, Ontario.: Volumes Publishing.
9. Caldwell, Wayne J., Hiltz, S., & Wilton, B. (2007). *Farmland Preservation: Land for Future Generations*. Kitchener, Ontario: Volumes Publishing.
10. Leal, D., Landman, K., & Caldwell, W. (2006). *A Stewardship Guide for the Lake Huron Coastline* County of Huron.
11. Caldwell, Wayne J., Brown, C., Thomson, S., & Auld, G. (2006). *The Urbanite's Guide to the Countryside*. Kitchener, Ontario: Volumes Publishing.
12. Caldwell, Wayne J., Toombs, M., Knight, R., & Turvey, J. (2000). *Rural Planning and Nutrient Management: Issues and Approaches* Unknown.
Description: Training Manual. Funded by National Soil and Water Conservation Program through the Agricultural Adaptation Council.
13. Caldwell, Wayne J. (1999). *Issues and Response: Land Use and Planning in Eastern and Southern Africa*. Harare, Zimbabwe: BaoBao Books.

Manuals/Guides

14. Caldwell, Wayne J., Landman, K., & Kraehling, P. (2013). *Rural Landowner Stewardship Guide for the Ontario Landscape (2nd edition)* University of Guelph, Huron County, ABCA, LHCCC, Friends of Bayfield River and Huron Stewardship Council.

Description: In 2013 we completed an update of the Rural Landowner Stewardship Guide, initially prepared in 2007.

Refereed Chapters, Cases, Readings, Supplements

Chapters

1. Epp, S., Caldwell, Wayne J., & Bryant, C. (2018). Farmland Preservation and Rural Development in Canada. In Press, In Enrico Gotterro (Ed.) *Agrourbanism Tools for Governance and Planning of Agrarian Landscape*.
2. Caldwell, Wayne J. (2017). CHAPTERS from Farmland Preservation book (2nd Edition). *Protecting Farmland: Land for Future Generations (2nd edition)*. University of Manitoba Press.
3. Caldwell, Wayne J., Ferguson, E., Lapierre-Fortin, É., & Ball, J. (2014). Chapter 1: Setting the Stage. In Wayne J. Caldwell (Ed.) *Planning for Rural Resilience Coping with Climate Change and Energy Futures*. University of Manitoba Press.
4. Kraehling, P. & Caldwell, Wayne J. (2014). Policy and Green Infrastructure: Planning in Response to Climate Change and Peak Oil. In Wayne J. Caldwell (Ed.) *Planning for Rural Resilience Coping with Climate Change and Energy Futures*. University of Manitoba Press.
5. Kraehling, P. & Caldwell, Wayne J. (2014). Planning with Nature: Experiences at the Grassroots Level. In Wayne J. Caldwell (Ed.) *Planning for Rural Resilience Coping with Climate Change and Energy Futures*. University of Manitoba Press.
6. Lapierre-Fortin, É., Caldwell, Wayne J., & Devlin, J. (2014). Eden Mills Going Carbon Neutral: Case study of a Community Approach. In Wayne J. Caldwell (Ed.) *Planning for Rural Resilience Coping with Climate Change and Energy Futures*. University of Manitoba Press.
7. Lapierre-Fortin, É., Caldwell, W. J., Devlin, J., & Ludwig, S. (2014). The Transition Response: Practical Resilience Strategies. In Wayne J. Caldwell (Ed.) *Planning for Rural Resilience Coping with Climate Change and Energy Futures*. University of Manitoba Press.
8. Caldwell, Wayne J. (2012). The Huron Georegion: Rurality in an urbanizing province. In Gordon Nelson (Ed.), *Beyond the Global City* (pp. 127-150). McGill-Queen's University Press.
9. Caldwell, Wayne J. (2010). Farmland Preservation, a Policy Based Approach: Reflections from Ontario. *the Rural-Urban Fringe in Canada: Conflict and Controversy* (pp. 305-311). Farmland Preservation, a Policy Based Approach: Reflections from Ontario.
10. Caldwell, Wayne J. (2010). Planning and Management for Rural Development: The Role of Local Government. *Rural Planning and Development in Canada*. Nelson Publishing.
11. Caldwell, Wayne J., Brunet, N., & Hilts, S. (2007). Farmland Preservation and Farm Level Adaptation: Approaches to Preserving and Promoting Agricultural Activities in the Peri-Urban Space. *Farmland Preservation: Land for Future Generations*. Kitchener, Ontario: Volumes Publishing.
12. Caldwell, Wayne J., Hilts, S., & Wilton, B. (2007). Farmland Preservation in Ontario. *Farmland Preservation: Land for Future Generations*. Kitchener, Ontario: Volumes Publishing.
13. Caldwell, Wayne J. & Dodds-Weir, C. (2007). Rural Non-Farm Development and Ontario's Agricultural Industry. *Farmland Preservation: Land for Future Generations*. Kitchener, Ontario: Volumes Publishing.
14. Reid, S., Belliveau, S., Smit, B., & Caldwell, W. (2007). Vulnerability and Adaptation to Climate Risks in Southwestern Ontario Farming Systems *Farming in a Changing Climate : Agricultural Adaptation in Canada*. Vancouver, British Columbia: UBC Press.
15. Caldwell, Wayne J., Reid, S., Smit, B., & Belliveau, S. (2007). Vulnerability and Adaptation to Climate Risks in Ontario Agriculture. *Mitigation and Adaptation Strategies for Global Change* (pp. 609-637). Springer.
16. Caldwell, Wayne J. (2006). Rural Canada: Designing a Desirable Future. *A Reader in Canadian Planning: Linking Theory and Practice*. Nelson Publishers.
17. Caldwell, Wayne J., Leeming, C., Nichol, P., & Niesen, J. (1997). Rural Community Economic Development: A Model for a Co-operative Arrangement Between Local, Provincial and Federal Authorities. *Challenge and Opportunity: Managing*

Change in Canadian Towns and Villages. Department of Geography, University of Waterloo.

18. Caldwell, Wayne J. (1996). Rural Communities: Maintaining Development Options in the Face of Environmental Concerns. *Challenge and Change: Rural Communities Preparing for the 21st Century*. Mount Allison University: Rural and Small Town Research and Studies Program.

19. Caldwell, Wayne J. (1996). Setting: A Municipal Council Meeting, Somewhere in Rural Ontario - Agenda: Land Use Planning and Siting Livestock and Poultry Facilities. *Siting Livestock and Poultry Operations for the 21st Century*. Ottawa: Canadian Agri-Food Research Council.

Refereed Proceedings

Full Paper

1. Caldwell, Wayne J. (2003). Municipalities and Nutrient Management: What Lies Ahead. *Manure Management*.
2. Caldwell, Wayne J. & Ball, J. (2003). Speaking For Rural Communities: Form and Process - The Ontario Rural Council. *Rural Health and Rural Education*, Scotland:.
3. Caldwell, Wayne J. & Ball, J. (2003). Space For Many Voices: Mediation Committees In Rural Ontario. *Rural Health and Rural Education*, Scotland:.
4. Caldwell, Wayne J. & Tousaw, S. (2002). Facilitating Community Consensus: Large Livestock Operations and the Challenge For Rural Municipalities. *Agricultural Nutrients and Their Impacts on Rural Water Quality*.
5. Caldwell, Wayne J. & Weir, C. (2002). The Countryside: Urban Area in Waiting or a Resource to Preserve? *Canadian Institute of Planners*.
6. Caldwell, Wayne J. & Robertson, M. (2001). Building Innovative Rural Communities: A Case Study of the Ontario Rural Council. *Canadian Institute of Planners*, Ottawa, Ontario:.
7. Caldwell, Wayne J. (2001). Local Government and Agricultural Planning: Best Practices. *Livestock – Options for the Future*, Manitoba:.
8. Caldwell, Wayne J. (2001). Land Use Issues and Conflict Resolution. *Livestock – Options for the Future*.
9. Caldwell, Wayne J. (1998). Community Empowerment and Partnership Building - An Overview of the National Landcare Program in Australia. *Centre for Land and Water Stewardship*.
Discussion Paper #4
10. Caldwell, Wayne J. (1996). Exploring Approaches to the Administration of a Long-Term Care Facility: The Application of a Community Planning and Development Process. *Healthcare Management Forum.*, 9 (3).

Refereed Technical Reports

1. 2010-2011: Caldwell, Wayne J., Collett, A., Ludlow, T., Sinclair, I., & Whitehead, J. Planning and Food Security Within The Commonwealth: Discussion Paper., submitted to Commonwealth Association of Planners.
2. 2010-2011: Caldwell, Wayne J., Ryan, L., Tousaw, S., Turvey, J., Semple, D., Arthur Churchyard, Steven Jefferson Healthy Communities and Planning for Food: Planning for Food Systems in Ontario., submitted to Ontario Professional Planners Institute.
3. 2009-2010: Caldwell, Wayne J., Identifying Rural Research Priorities Through Community Engagement., submitted to Unknown.
4. 2009-2010: Caldwell, Wayne J., Ball, J., Churchyard, A., Holzman, S., Mercer, J., Nicole Sullivan, Katie Temple, Charlie Toman, Bronwynne Wilton Prospering with a Stable or Declining Population: Best Community Economic Development and Planning Practices for Rural Communities., submitted to Unknown.
5. 2009-2010: Caldwell, Wayne J., Ball, J., Churchyard, A., Holzman, S., Mercer, J., Katie Temple, Charlie Toman, Bronwynne Wilton A Guide to Rural Community Economic Development. Best Practices for Your community., submitted to Unknown.
6. 2008-2009: Caldwell, Wayne J. & Nelischer, M., Country Heritage Park: Master Plan., submitted to Unknown.
7. 2008-2009: Caldwell, Wayne J. & Temple, K., Canada's Capital Greenbelt: Moving Towards Sustainable Agriculture., submitted to National Capital Commission.

8. 2008-2009: Caldwell, Wayne J. & Wilton, B., Rural Development and Horse Farms: Understanding the Economic and Social Impacts of Horse Farms in the Urban-Rural Fringe Regions of Ontario., submitted to OMAFRA/University of Guelph. Sustainable Rural Communities Research Program.
Description: Project Number. 02661
9. 2007-2008: Caldwell, Wayne J., Black, C., & Ball, J., Report on Agricultural Advisory Committees., submitted to Unknown.
10. 2007-2008: Caldwell, Wayne J. & Allen, R., Municipality of Morris-Turnberry: Municipal Service Survey and Ward Boundary Adjustment Survey., submitted to Unknown.
11. 2007-2008: Caldwell, Wayne J., Protecting Niagara Tender Fruit and Grape Lands., submitted to Ontario Ministry of Agriculture, Food and Rural Affairs.
12. 2007-2008: Caldwell, Wayne J., Black, C., & Ball, J., Environmental Planning and Innovation: Best Practices for Rural Communities., submitted to Unknown.
13. 2007-2008: Caldwell, Wayne J., Climate Change for Planners Workbook., submitted to City Spaces Consulting Ltd.
14. 2006-2007: Caldwell, Wayne J., Facilitated and Reported on Boundary Negotiation Process., submitted to Goderich and Central Huron.
15. 2006-2007: Caldwell, Wayne J. & Nelischer, M., Country Heritage Park: Master Plans and the Niagara Escarpment Plan., submitted to Unknown.
16. 2006-2007: Caldwell, Wayne J., Cootes to Escarpment Conservation and Land Management Strategy: Approach to Consultation., submitted to Royal Botanical Gardens.
17. 2006-2007: Caldwell, Wayne J., Pearson, M., Scharfe, P., & Weir, L., A Septic Re-inspection Primer for Municipalities., submitted to Unknown.
18. 2006-2007: Caldwell, Wayne J., Landman, K., Pinkerton, K., & Leal, D., A Stewardship Guide for Rural Ontario., submitted to MNR.
19. 2005-2006: Caldwell, Wayne J., Laudman, K., & Leal, D., A Stewardship Guide for the Lake Huron Coastline., submitted to Huron County.
20. 2005-2006: Caldwell, Wayne J., Rural Development Potential: Simcoe County., submitted to Intergovernmental Action Plan for Simcoe County.
21. 2005-2006: Caldwell, Wayne J., Landman, K., Pinkerton, K., & Leal, D., A Stewardship Guide for the Lake Huron Watershed., submitted to Huron County.
22. 2005-2006: Caldwell, Wayne J., Jurisdictional Analysis and Best Practices for Land Use Planning Affecting Direct Marketing and Agri-tourism Operations in Ontario., submitted to Ontario Farm Fresh Marketing Association.
23. 2004-2005: Caldwell, Wayne J., The Line Fences Act and Abandon Rail Right of Ways., submitted to Minister of Municipal Affairs and Housing.
24. 2004-2005: Caldwell, Wayne J. & Evans, A., Finding the Balance: Evolving Provincial & Municipal Governance of Nutrient Management., submitted to Ontario Pork.
Description: Phase 1 Report
25. 2003-2004: Caldwell, Wayne J., Weir, C., & Reid, S., The Role Of The Ontario Municipal Board in Adjudicating Agricultural Conflict., submitted to University of Guelph.
26. 2003-2004: Caldwell, Wayne J. & Evans, A., Agriculture and The Emergence of Conflict: A Canadian Overview With A Focus On New Brunswick., submitted to University of Guelph.
27. 2003-2004: Caldwell, Wayne J. & Evans, A., Informal Methods of Conflict Resolution in Rural Manitoba., submitted to University of Guelph.
28. 2003-2004: Caldwell, Wayne J. & Williams, M., Strategies For Regulating Intensive Livestock Facilities: Lessons From Canada- The Alberta Approach., submitted to University of Guelph.
29. 2003-2004: Caldwell, Wayne J. & Weir, C., Agricultural Dispute Manual: Your Guide To Resolving Agricultural Conflict Including The Normal Farm Practices Protection Board And The Ontario Municipal Board., submitted to University of Guelph.

30. 2003-2004: Caldwell, Wayne J., Ball, J., & Williams, M., Lessons From Michigan: Regulating Intensive Livestock Operations- Conflict Resolution, Right To Farm and the Role of the State., submitted to University of Guelph.
31. 2003-2004: Caldwell, Wayne J. & Kirkness, J., The Normal Farm Practices Protection Board., submitted to University of Guelph.
32. 2003-2004: Caldwell, Wayne J., Ball, J., & Evans, A., Training Resource Materials for Local Advisory Committee., submitted to University of Guelph.
33. 2003-2004: Caldwell, Wayne J., Public Participation In Angola., submitted to Development Workshop.
34. 2003-2004: Caldwell, Wayne J., The Implementation of the Nutrient Management Regulation on Large Beef Operation., submitted to Environmental Commissioner of Ontario.
35. 2003-2004: Caldwell, Wayne J., The Guide to Agricultural Land Use., submitted to Ministry of Agriculture and Food.
36. 2002-2003: Caldwell, Wayne J. & Williams, M., Agricultural and Livestock Intensification., submitted to University of Guelph.

Description:

- *Phase 1 Report: Perceptions of Environmental, Economic & Social Impacts on Agricultural Production.*
- *Phase II Report: Land Use Planning, Innovation and Best Practices.*
- *Detailed Survey Results- The Perspective of 50 Livestock Farmers and Their Neighbours*

37. 2002-2003: Caldwell, Wayne J. & Ball, J., Ten Steps to Create a Local Advisory Committee., submitted to University of Guelph.
38. 2002-2003: Caldwell, Wayne J., Managing the Transition Between Municipal and Provincial Governance as Require by the Regulations Under the Nutrient Management Act., submitted to Ministry of Agriculture and Food.
39. 2002-2003: Caldwell, Wayne J. & Dodds-Weir, C., Rural Non-Farm Development: Its Impact on the Viability and Sustainability of Agricultural and Rural Communities., submitted to University of Guelph.

Description:

- *Phase 1 Report: Severance Activity in Ontario's Agricultural Land During the 1990's. September, 2002.*
- *Phase 2 Report: An Assessment of the Impact of Rural Non-Farm Development on the Viability of Ontario's Agricultural Industry. October, 2003.*
- *Farmland Preservation: An Assessment of the Impact of Rural Non-Farm Development on the Viability of Ontario's Agricultural Industry (Literature Review). September, 2003.*

40. 2001-2002: Caldwell, Wayne J., Yap, N., Brown, L., & Eggen, M., State-Community Joint Management of Community Services in Drinking Water and Sanitation (sewers and septic systems), and Solid Waste and Pollution Control: A Comparative Analysis of Tri-National Case Studies in Altamira, Tamaulipas (Mexico), Stony Point., submitted to Programa Interinstitucional de Estudios sobre la Region de America del Norte (PEIRAN).
41. 2001-2002: Caldwell, Wayne J., Yap, N., Brown, L., & Eggen, M., Drinking Water, Sanitation, and Solid Waste Services in Rural Communities: Municipality of South Huron Canadian Case Study., submitted to Colegio De Mexico Trilateral University Research Project.
42. 1999-2000: Caldwell, Wayne J. & Aston, D., Planning for the Future Development of Ontario's Wine Industry., submitted to University of Guelph.

Patents & Trademarks

1. 2011 - Novel 1,3-DAG for hard fat applications. (# 61/514883)

Description:

2. 1989 - Method of immobilizing oils, solids or cells in microspheres via the production of an emulsion followed by internal gelation. (# 4,822,534)

Description:

NON-REFEREED PUBLICATIONS

Non-Refereed Articles (Published)

1. Caldwell, Wayne J. (2018). Education with Practical Applications. *Ontario Planning Journal*, 33 (4).
2. Laycock, K. E., Caldwell, Wayne J., & Herbert, A. (2017). Making a Town a Community - Insights into Participation from

an Aging Rural Canadian Community. *Plan Canada (ref.)*, 57 (4), 37-43.

This is a Peer Reviewed refereed article.

3. Caldwell, Wayne J. (2017). Evolution of Practice: Planners and Leadership. *Ontario Planning Journal*, 32 (6).
4. Pickfield, P., Procter, K., & Caldwell, W. J. (2017). Whose land is it anyway? Back to first principles in considering the role of municipalities in protecting natural heritage features. *Municipal World*.
5. Ball, J. & Caldwell, W. J. (2016). Transformative Community Dialogue: Engaging Through Circle. *Ontario Planning Journal*, 31 (6), 1-3.
6. Caldwell, Wayne J., Labute, B., Khan, B., & D'Souza Rae, N. (2016). Newcomer attraction & retention - strategies for growing and revitalizing small communities. *Municipal World*.
7. Caldwell, Wayne J., Kraehling, P., & Kaptur, S. (2015). A Healthy Rural Community Tool Kit. *Municipal World*.
8. Caldwell, Wayne J. & Lang, K. (2015). Food Security (Part 1) Top 10 Tools and Strategies for Getting Started. *Municipal World*.
9. Caldwell, Wayne J. & Lang, K. (2015). Food Security (Part 3) Conservation Easements as a Farmland Preservation Technique. *Municipal World*.
10. Caldwell, Wayne J. & Lang, K. (2015). Food Security (Part 4) Creating a Supportive Food Environment Through Policy. *Municipal World*.
11. Caldwell, Wayne J. & Lang, K. (2015). Food Security Part 2 (The Difference an Agricultural Plan Makes). *Municipal World*.
12. Caldwell, Wayne J., Kraehling, P., Arnett, E., & Loney, K. (2015). Healthy Rural Communities Municipal Strategies. *Ontario Planning Journal*.
13. Caldwell, Wayne J. (2015). The Evolving Face of Rural Planning. *Ontario Planning Journal*.
14. Caldwell, Wayne J., Landman, K., & Kraehling, P. (2014). Mobilizing Landowners. *Ontario Planning Journal*.
15. Caldwell, Wayne J., McPherson, K., & Procter, K. (2014). Ontario's Greenbelt Plan and Agriculture: Moving Forward. *Ontario Planning Journal*, 29 (3), 22-25.
16. Caldwell, Wayne J. & Marr, E. (2013). Rural community economic development and agriculture - lessons in collaboration from Northeast Ontario. *Municipal World*.
17. Caldwell, Wayne J. (2012). Contradiction or Hidden Reality in Rural Ontario? *Ontario Planning Journal*, 27 (5), 11.
18. Caldwell, Wayne J. & Temple, K. (2011). Lessons from Rural Ontario: Prosperity without Growth: Best Practice #6 Localization: Keeping it Close to Home. *Municipal World*, 121, 33-34.
19. Caldwell, Wayne J. & Temple, K. (2011). Prosperity without Growth. *Municipal World*, 121, 29-30.
20. Caldwell, Wayne J., Temple, K., & Toman, C. (2011). Prosperity without Growth. *Municipal World*, 121, 29-30.
21. Caldwell, Wayne J. (2010). Healthy Communities and Planning for Food. *Ontario Planning Journal*, 25, 3.
22. Wilton, B., Caldwell, W. J., & Thomson, S. (2010). Horses in the Countryside: A Lost Opportunity for Agriculture, or a Recipe for Rural Revitalization? *Ontario Planning Journal*, 25, 7-8.
23. Caldwell, Wayne J., Ball, J., Chan, Y., Dixon, J., Flaming, H., Suzanne Ainley and Sarah Thomson. (2010). Key Research Interests in Rural Ontario: Helping Rural Communities Learn. *Ontario Planning Journal*, 25, 12.
24. Caldwell, Wayne J. (2010). Planning for Agriculture and Food: A Challenge and Opportunity for Commonwealth Planners. *Commonwealth Association of Planners*, 22, 17-20.
25. Caldwell, Wayne J., Churchyard, A., & Temple, K. (2010). Citizen Engagement: Communication is Everything, Best Practice # 4. *Municipal World*, 120, 15-16.
26. Caldwell, Wayne J. & Temple, K. (2010). Leadership: Committed to the Cause, Best Practice # 3. *Municipal World*, 120, 33-36.
27. Caldwell, Wayne J. & Temple, K. (2010). Partnership Means Collaboration, Not Competition, Best Practice # 2.

Municipal World, 120, 33-34.

28. Caldwell, Wayne J. & Temple, K. (2010). Prosperity without Growth: Lessons from Rural Ontario Best Practice # 1. *Municipal World*, 120, 29-30.
29. Caldwell, Wayne J. & Dodds-Weir, C. (2009). Canadian Approaches to the Preservation of Farmland. *The Canadian Institute of Canada*, 49, 17-20.
30. Caldwell, Wayne J. (2009). Planners, the Public and OPPI. *Ontario Planning Journal*, 24, 15-16.
31. Caldwell, Wayne J. (2009). Roles for Planners. *Ontario Planning Journal*, 24.
32. Caldwell, Wayne J., Ball, J., & Black, C. (2009). Environmental Innovation: A Rural Municipal Perspective. *Municipal World*, 119, 19-22.
33. Caldwell, Wayne J. (2008). Who's on First? The Power to Make Decisions as Planners. *Ontario Planning Journal*, 24, 15-16.
34. Caldwell, Wayne J. (2008). The Concept of Lifelong Learning. *Ontario Planning Journal*, 23 (4), 18-19.
35. Caldwell, Wayne J. (2008). Stepping into the President's Shoes. *Ontario Planning Journal*, 23 (1).
36. Caldwell, Wayne J. (2008). 2008- A Healthy Year for Planners. *Ontario Planning Journal*, 23.
37. Caldwell, Wayne J. (2008). Healthy Communities, Sustainable Communities. *Municipal World*, 118 (4), 13-16.
38. Caldwell, Wayne J., Pearson, M., Scharfe, P., & Weir, L. (2008). Getting to the Bottom of It: A Septic Re-inspection Primer for Municipalities. *Municipal World*, 118 (3), 41-44.
39. Caldwell, Wayne J., Ball, J., & Pranis, K. (2007). Using Circles to Build Communication in Planning. *Plan Canada*, 47 (1), 47-49.
40. Caldwell, Wayne J., Dykstra, R., & Hilts, S. (2005). The Loss of Farmland Through Retirement Lot Severances: A Final Word? *Ontario Planning Journal*, 20 (6).
41. Caldwell, Wayne J., Williams, M., & Thomson, S. (2005). Community Perceptions, Conflict and the Intensification of Livestock Production. *Ontario Planning Journal*, 20 (2).
42. Caldwell, Wayne J., Ball, J., & Thomson, S. (2005). Navigating Conflict In the Countryside. *Ontario Planning Journal*, 20 (1).
43. Caldwell, Wayne J., Dodds-Weir, C., Dykstra, R., Hilts, S., & Thomson, S. (2004). New Strategies for Farmland Preservation: Sizing up the American Experience. *Ontario Planning Journal*, 19 (2).
44. Caldwell, Wayne J., Hilts, S., & Thomson, S. (2004). Farmland Preservation and Land Trusts: New Options for Ontario. *Ontario Planning Journal*, 19 (1).
45. Caldwell, Wayne J., Dodds-Weir, C., & Thomson, S. (2003). Rural Non-Farm Development and the Future of Ontario Agriculture. *Ontario Planning Journal*, 18 (6).
46. Caldwell, Wayne J., Dodds-Weir, C., & Thomson, S. (2003). Rural Non-Farm Development: Far-Reaching Cumulative Effects. *Ontario Planning Journal*, 18 (5).
47. Caldwell, Wayne J. & Weir, C. (2001). Rural Non-farm Development and Agriculture: Who's Making the Decisions? *Ontario Planning Journal*, 16 (5).
48. Caldwell, Wayne J. (1998). Large Livestock Barns, Planners and the Community. *Ontario Planning Journal*, 13 (4).
49. Caldwell, Wayne J. & Ball, J. (1998). Ten Tips for Dealing with Other Cultures. *Ontario Planning Journal*, 13 (6).

Non-Refereed Articles (In Press)

1. Caldwell, Wayne J., Telfah, R., & Crane, K. (in press, 2018). Newcomer Attraction and Retention - Building Welcoming Communities: A Case Study from Huron County. *Municipal World*.

Non-Refereed Books, Monographs, Compilations, Manuals

1. Caldwell, Wayne J., Labute, B., Khan, B., & D'Souza Rae, N. (2017). *Attracting and Retaining Newcomers in Rural Communities and Small Towns* Municipal World.

Non-Refereed Chapters, Cases, Readings, Supplements

1. Caldwell, Wayne J. (2015). State of Rural Canada: Ontario. In Markey, Breen, Lauzon, Gibson, Ryser, Mealy (Ed.), *State of Rural Canada Report* (pp. 39-46). Canadian Rural Revitalization Foundation.
2. Caldwell, Wayne J. (2015). Long Term Food Security through Progressive Planning. *International Guidelines on Urban and Territorial Planning: Towards a Compendium of Inspiring Practices*. United Nations Human Settlements Programme (UN-Habitat).

Non-Refereed Invited Papers

1. Caldwell, Wayne J., Brown, C., & Procter, K. (2015). A Rural Lens: Refocusing Our Decision Making. *Milestones, 15 (4)*, 18-19.

Non-Refereed Proceedings

Full Paper

1. Caldwell, Wayne J. (in press, 2009). Planning and Food Security. *Commonwealth People's Forum*, Port of Spain.

Non-Refereed Technical Reports

1. 2016-2017: Members, 2. & Caldwell, Wayne J., The Challenge of Change Harnessing University Discovery, Engagement, and Learning to Achieve Food and Nutrition Security., submitted to Association of Public and Land Grant Universities.
Description: Produced as part of a Commission. I was one of 25 Commission Members with responsibility for the document.
2. 2015-2016: Khan, B., Labute, B., & Caldwell, Wayne J., Immigrant Attraction and Retention in Perth County., submitted to Ontario Ministry of Agriculture, Food and Rural Affairs.
3. 2015-2016: Khan, B., Labute, B., & Caldwell, Wayne J., Immigrant Attraction and Retention in Cochrane District., submitted to Ontario Ministry of Agriculture, Food and Rural Affairs.
4. 2015-2016: Khan, B., Labute, B., & Caldwell, Wayne J., Immigrant Attraction and Retention in Lanark County., submitted to Ontario Ministry of Agriculture, Food and Rural Affairs.
5. 2015-2016: Berge, S. & Caldwell, Wayne J., Cooperatives: A Governance Toolkit., submitted to Ontario Coopertative Association.
Description: Draft
6. 2014-2015: Caldwell, Wayne J., Pinkney, D., Robson, D., & Chalel, I., Mobile Processing: Opportunities in the Local Meat Sector., submitted to Ontario Ministry of Agriculture Food and Rural Affairs (Research Report).
Description: Documents case studies and provides a jurisdictional scan of the approach to mobile processing facilities from a number of jurisdictions (Alberta, Yukon, British Columbia, Washington, Quebec).
7. 2014-2015: Dubyna, J., Kraehling, P., & Caldwell, Wayne J., Literature Review for Green Infrastructure for Ontario's Rural Communities: Nature and its Contributions to Community Economic Development and Resilience., submitted to Ontario Ministry of Agriculture, Food and Rural Affairs (Research Report).
8. 2014-2015: Khan, B., Labute, B., & Caldwell, Wayne J., Attracting and Retaining Immigrants in Rural Areas: A Review of the Literature., submitted to Ontario Ministry of Agriculture, Food and Rural Affairs (Research Report).
9. 2014-2015: Sharpe, B., Caldwell, Wayne J., & Connell, D., Agricultural Land Use Planning in Canada: Case Study of The Municipality of Central Huron, Huron County, Ontario., submitted to Social Sciences and Humanities Research Council.
10. 2014-2015: Sharpe, B., Caldwell, Wayne J., & Connell, D., Agricultural Land Use Planning in Canada: Case Study of The Town of Niagara-on-the-Lake., submitted to Social Sciences and Humanities Research Council.
11. 2014-2015: Khan, B., Labute, B., & Caldwell, Wayne J., Immigrant Attraction and Retention in Oxford County., submitted to Ontario Ministry of Agriculture Food and Rural Affairs (Research Report).
12. 2013-2014: Caldwell, Wayne J., Ball, J., Ferguson, E., Kraehling, P., Lapierre-Fortin, É., Amy Lejcar, Eric Marr, Shannon McIntyre and Adam Wright. Peak Oil and Climate Change: A Rural Community Guide., submitted to Ontario Ministry of Agriculture Food and Rural Affairs (Research Report).
Description: Intended for use by Municipalities across Ontario. Available

at: www.waynecaldwell.ca/Projects/regionalresiliency.html

13. 2013-2014: Caldwell, Wayne J. & Lang, K., Perspectives on Planning for Agriculture and Food Security in the Commonwealth., submitted to Commonwealth Association of Planners.
Description: To be promoted and profiled by the Commonwealth Association of Planners for use in the Commonwealth.
14. 2013-2014: Caldwell, Wayne J., Kraehling, P., Huff, J., & Kaptur, S., Healthy Rural Communities: Strategies and Models of Practice - Literature Review., submitted to Public Health Ontario.
15. 2013-2014: Lang, K. & Caldwell, Wayne J., Chatham-Kent Trees, Forests and Woodlots: A Review of the Literature., submitted to Chatham -Kent.
Description: Developed for consideration by Chatham-Kent in response to the significant clearing of wooded areas for agricultural production.
16. 2013-2014: Caldwell, Wayne J., Kraehling, P., Huff, J., & Kaptur, S., Healthy Rural Communities Toolkit: A Guide for Rural Municipalities., submitted to Public Health Ontario.
Description: To be used by municipalities across Ontario for use in the planning of rural environments with a goal of healthier communities and healthier populations.
17. 2012-2013: Hawkins, L., Leach, B., & Caldwell, Wayne J., Creating a Vision for the School for Civil Society and Engagement., submitted to President: University of Guelph.
Description: This report provides a vision and details for the proposed School for Civil Society and Engagement to be established at the University of Guelph.
18. 2011-2012: Caldwell, Wayne J. & Churchyard, A., The Cost of Community Services in the Township of Cavan Monaghan: A literature review of the fiscal impacts of land use for municipalities in Ontario, Canada., submitted to The Monieson Centre at Queen's School of Business..
19. 2010-2011: Caldwell, Wayne J., County of Huron Sustainability Plan., submitted to County of Huron.
Description: co-authored with the staff of the Huron County Department of Planning and Development.
20. 2010-2011: Caldwell, Wayne J., Five Year Review County of Huron Official Plan., submitted to County of Huron.
Description: co-authored with staff of the Huron County Department of Planning and Development.
21. 2005-2006: Caldwell, Wayne J., Huron County Official Plan 5 Year Review and Sustainability Plan., submitted to Huron County Council.
22. 2003-2004: Caldwell, Wayne J., Nutrient Management By-law., submitted to Unknown.
Description: revised model by-law consistent with the Provincial Regulation
23. 2002-2003: Caldwell, Wayne J. & Weir, C., Official Plan- Municipality of South Huron., submitted to Municipality of South Huron.
24. 2001-2002: Caldwell, Wayne J., Strategic Directions for the Huron Stewardship Council., submitted to Huron Stewardship Council.
25. 2001-2002: Caldwell, Wayne J., Ontario's Draft Nutrient Management Act (2001)., submitted to Huron County.
Description: in response to OMAFRA consultation re. Bill 81
26. 2000-2001: Caldwell, Wayne J., Strategic Plan., submitted to Ridgeway College.
27. 2000-2001: Caldwell, Wayne J., Strategic Vision for the Maitland Trails Association., submitted to Maitland Trails Association.
28. 1999-2000: Caldwell, Wayne J., Healthy Futures for Huron Agriculture: BMP's for Rural Water Quality., submitted to County of Huron.
29. 1999-2000: Caldwell, Wayne J., Large Livestock Facilities and Huron County., submitted to Huron County.
Description: prepared on behalf of Huron County in response to OMAFRA consultation re. Intensive Agricultural Operations
30. 1998-1999: Caldwell, Wayne J., Nutrient Management Training Manual., submitted to Unknown.
31. 1997-1998: Caldwell, Wayne J., Huron County Official Plan- Review of Plan Process, Comments from the Public and

Proposed Changes., submitted to Huron County.

32. 1996-1997: Caldwell, Wayne J., Nutrient Management By-law., submitted to Unknown.
33. 1996-1997: Caldwell, Wayne J., Huron County Official Plan., submitted to Huron County.
34. 1995-1996: Caldwell, Wayne J., Huronview/Huronlea: A Mission Statement., submitted to Unknown.
35. 1994-1995: Caldwell, Wayne J., People Who Are Physically Challenged & Supportive Housing: A Review of Issues, Needs and Opportunities Within Huron County., submitted to Unknown.
36. 1993-1994: Caldwell, Wayne J., Communications Strategy - an approach to improved communication at Huronview/Huronlea., submitted to Unknown.
37. 1993-1994: Caldwell, Wayne J., Supportive Housing Strategy., submitted to Unknown.
38. 1992-1993: Caldwell, Wayne J., Huron County Rural Servicing Study., submitted to Huron County.
39. 1992-1993: Caldwell, Wayne J., Official Plan for the Town of Exeter., submitted to Town of Exeter.
40. 1991-1992: Caldwell, Wayne J., Huron County Development Charges Study., submitted to Huron County.
41. 1990-1991: Caldwell, Wayne J., Brussels Community Economic Development Strategy., submitted to Unknown.
42. 1989-1990: Caldwell, Wayne J., Community Development in South Huron County., submitted to Unknown.
43. 1988-1989: Caldwell, Wayne J., Zoning By-law for the Township of Morris., submitted to Township of Morris.
44. 1988-1989: Caldwell, Wayne J., The Subdivision and Condominium Process - A Guide for Applicants., submitted to Unknown.
45. 1986-1987: Caldwell, Wayne J., Zoning By-law., submitted to Township of East Wawanosh..
46. 1986-1987: Caldwell, Wayne J., Delegation Procedures Manual., submitted to County of Huron.
47. 1986-1987: Caldwell, Wayne J., Zoning By-law., submitted to Village of Brussels..
48. 1986-1987: Caldwell, Wayne J., Zoning By-law., submitted to Township of Hullett..
49. 1985-1986: Caldwell, Wayne J., County of Huron Position Paper on the Foodland Preservation Policy Statement., submitted to County of Huron.
50. 1984-1985: Caldwell, Wayne J., Secondary Plan., submitted to Township of Morris..
51. 1984-1985: Caldwell, Wayne J., Zoning By-law., submitted to Township of Tuckersmith..
52. 1984-1985: Caldwell, Wayne J., Secondary Plan., submitted to Township of Hullett..
53. 1984-1985: Caldwell, Wayne J., Zoning By-law., submitted to Town of Clinton..
54. 1983-1984: Caldwell, Wayne J., Zoning By-law., submitted to Township of Stephen..
55. 1983-1984: Caldwell, Wayne J., Zoning By-law., submitted to Township of Usborne..
56. 1982-1983: Caldwell, Wayne J., Secondary Plan., submitted to Township of Tuckersmith..
57. 1981-1982: Caldwell, Wayne J., Secondary Plan., submitted to Township of East Wawanosh..

CONFERENCE PRESENTATIONS

Exhibit

1. Caldwell, Wayne J. & Ball, J. (2001-2002, September). *Lessons from Michigan - Right to Farm, Manure Management and the Role of the State*. Integrated Solutions to Manure Management, London, Ontario. [Refereed] [Scope: National]
2. Caldwell, Wayne J. & Ball, J. (2001-2002, September). *Farmer A" vs. "Farmer B": Can We Settle These Disputes Locally?* Integrated Solutions to Manure Management, London, Ontario. [Refereed] [Scope: National]

Workshop

3. Caldwell, Wayne J. & Ball, J. (2014-2015). *Circle and Community Engagement (invited)*. Invited presentation at Ontario Professional Planners Institute, Niagara Falls, Canada-Ontario. [Non-Refereed] [Scope: State]

4. Caldwell, Wayne J. (2013-2014). *Strategies and Models of Practice for Healthy Rural Built Environments*. Ontario Professional Planners Institute, London, Canada-Ontario. [Refereed] [Scope: State]
5. Caldwell, Wayne J. & Ball, J. (2013-2014). *Circle and Community Engagement*. Invited presentation at Ontario Professional Planners Institute, London, Canada-Ontario. [Non-Refereed] [Scope: State]
6. Caldwell, Wayne J. (2011-2012). *Circles - Engaging Communities in Public Planning*. Invited presentation at Canadian Association of Planning Students Annual Conference, Vancouver, Canada. [Non-Refereed] [Scope: National]
7. Caldwell, Wayne J. (2011-2012). *Planning for Thriving Local Environments. Success Factors*. Invited presentation at Manitoba Planning Conference, Brandon, Canada-Manitoba. [Non-Refereed] [Scope: State]
Description: Invited pre-conference workshop

Paper (independent)

8. Caldwell, Wayne J. & Epp, S. (2015-2016). *Farmland Preservation Strategies*. World Congress of Rural Sociology, Toronto, Canada-Ontario. [Non-Refereed] [Scope: International]
9. Caldwell, Wayne J. (2015-2016). *Healthy Rural Communities*. Association of Municipalities of Ontario Annual Conference, Windsor, Canada-Ontario. [Non-Refereed] [Scope: State]
10. Caldwell, Wayne J. (2015-2016). *The Evolving Countryside: The Changing Face of Rural Ontario (invited)*. Invited presentation at Ontario Heritage Conference, Stratford, Canada-Ontario. [Non-Refereed] [Scope: State]
11. Connell, D., Caldwell, Wayne J., Bryant, C., & Churchyard, A. (2015-2016, July). *Assessing the Strength of Agricultural Land Use Policies*. Canadian Institute of Planners, National Conference, Quebec City, Canada-Ontario. [Refereed] [Scope: National]
12. Caldwell, Wayne J. (2015-2016, May). *Land Use Planning, Agriculture and Climate Change (invited)*. Invited presentation at Ontario Climate Symposium, Guelph, Canada-Ontario. [Non-Refereed] [Scope: State]
13. Caldwell, Wayne J. (2015-2016, May). *Planning for Rural Resilience (Invited)*. Invited presentation at Manitoba Planning Conference, Brandon, Canada-Manitoba. [Non-Refereed] [Scope: State]
14. Caldwell, Wayne J. & Grift, S. (2015-2016, May). *Planning for Agriculture: Enabling Better Outcomes (Invited)*. Invited presentation at Manitoba Planning Conference, Brandon, Canada-Manitoba. [Non-Refereed] [Scope: State]
15. Caldwell, Wayne J. (2015-2016, February). *Communities Accessing Research: The Faculty Connection (invited)*. Invited presentation at Community Engaged Scholarship Institute: Engaging with UofG: Making a Community-University Partnership Work for You, Guelph, Canada-Ontario. [Non-Refereed] [Scope: Local]
16. Caldwell, Wayne J. (2015-2016, February). *The Changing Face of Rural Ontario: Implications for Agriculture (invited)*. Invited presentation at OAC Graduate Conference - Barnyard, Backyard & Beyond: Redefining the Boundaries of Agriculture in the 21st Century, Guelph, Canada-Ontario. [Non-Refereed] [Scope: Local]
17. Caldwell, Wayne J. (2015-2016, January). *The Changing Face of Rural Ontario: Implications for Agriculture (invited)*. Invited presentation at Farm Smart (University of Guelph), Guelph, Canada-Ontario. [Non-Refereed] [Scope: Regional]
18. Caldwell, Wayne J. (2015-2016). *Preservation of Primary Agricultural Farming Land (invited)*. Invited presentation at The Municipal Association of Victoria, Australia, Marysville, Australia- VIC. [Non-Refereed] [Scope: International]
Description: The protection of agricultural land has been an aim of the planning system for years. With population growth likely to continue and agricultural land likely to become more contested, Wayne will share his international research on how we can protect and manage our agricultural land through land use planning and other instruments (this presentation was video recorded in advance of the conference)
19. Caldwell, Wayne J. (2015-2016). *The Rural Lens: A Voice for Rural and Northern Ontario (invited)*. Invited presentation at Association of Municipalities of Ontario Annual Conference, Niagara Falls, Canada-Ontario. [Non-Refereed] [Scope: State]
20. Caldwell, Wayne J. (2015-2016, November). *Healthy Rural Communities: Coping with Climate Change and Building Strategies to Improve Public Health*. Latornell Conservation Symposium, Alliston, Canada-Ontario. [Non-Refereed] [Scope: State]
21. Caldwell, Wayne J. (2015-2016, September). *Building on Your Strengths for a Better Tomorrow*. Invited presentation

at Ontario East Municipal Conference, Kingston, Canada-Ontario. [Non-Refereed] [Scope: Regional]

22. Caldwell, Wayne J. (2014-2015). *Healthy Rural Communities: Linking Municipalities, Planning and Health Outcomes (invited)*. Invited presentation at Ontario Association of County Clerks, Treasurers and Administrators Conference, Benmillier, Canada-Ontario. [Non-Refereed] [Scope: State]

23. Caldwell, Wayne J. (2014-2015). *Protecting Land for Future Generations: An Introduction (invited)*. Invited presentation at Ontario Farmland Trust Annual Conference, Oshawa, Canada-Ontario. [Non-Refereed] [Scope: State]

24. Caldwell, Wayne J. (2014-2015). *The Rural Lens: A Voice for Rural and Northern Ontario (invited)*. Invited presentation at Rural Ontario Municipal Association Annual Conference., Toronto, Canada-Ontario. [Non-Refereed] [Scope: State]

25. Berge, S. & Caldwell, Wayne J. (2014-2015, June). *Co-operatives promoting community development through food access and skills programs*. Canadian Association for Studies in Co-operation, Ottawa, Canada-Ontario. [Non-Refereed] [Scope: National]

26. Caldwell, Wayne J. (2014-2015). *Healthy Rural Communities: A Tool Kit to Link Planning and Health Outcomes*. Invited presentation at Association for Commuter Transportation of Canada (The Sustainable Mobility & Healthy Communities Summit 2014), Markham, Canada-Ontario. [Non-Refereed] [Scope: National]

27. Caldwell, Wayne J. (2013-2014). *What Are We Learning About Rural Ontario Through Research?* Invited presentation at OMAF/MRA Agriculture and Rural Research Update, Guelph, Canada-Ontario. [Non-Refereed] [Scope: State]

Description: Invited

28. Caldwell, Wayne J. & Lang, K. (2013-2014). *To Cut or Conserve? An Overview of Forest Conservation By-laws and the Debate in Chatham-Kent*. Latornell Conservation Symposium, Alliston, Canada-Ontario. [Refereed] [Scope: Regional]

29. Caldwell, Wayne J. (2012-2013). *Community Resilience through Better Planning (Opening Plenary)*. Invited presentation at Saskatchewan Association of Planners, Moose Jaw, Canada-Saskatchewan. [Non-Refereed] [Scope: State]

Description: Opening Plenary

30. Caldwell, Wayne J. (2011-2012). *Community Engagement through the Application of the Landowner Stewardship Guide*. Canadian Association of Geographers/ Association of Canadian University Planning Programs Annual Conference, Waterloo, Canada-Ontario. [Non-Refereed] [Scope: National]

31. Caldwell, Wayne J. (2011-2012). *Community Economic Development in Rural Settings: Success Factors in Rural CED*. Invited presentation at Saskatchewan Association of Planners, Moose Jaw, Canada-Saskatchewan. [Non-Refereed] [Scope: State]

32. Caldwell, Wayne J. (2011-2012). *Building on Your Strengths for a Better Tomorrow (invited key note opening plenary)*. Invited presentation at MMAH/Federation of Northern Ontario Municipalities, North Bay, Canada-Ontario. [Non-Refereed] [Scope: State]

Description: Opening Plenary

33. Caldwell, Wayne J. & Kraehling, P. (2011-2012). *Community Engagement through the Application of the Landowner Stewardship Guide*. Invited presentation at Latornell Conservation Symposium, Alliston, Canada-Ontario. [Non-Refereed] [Scope: State]

34. Caldwell, Wayne J. (2011-2012). *Revitalizing Rural Ontario - Prospering with a Stable or Declining Population*. Invited presentation at Ontario Association of Committees of Adjustment and Consent Authorities Fall Conference, Stratford, Canada-Ontario. [Non-Refereed] [Scope: State]

35. Caldwell, Wayne J. (2010-2011). *Greenbelts to Control Sprawl: Experience from Canada*. Invited presentation at American Planning Association Annual Conference, Boston, Massachusetts. [Non-Refereed] [Scope: International]

36. Caldwell, Wayne J. & Churchyard, A. (2010-2011). *Lot creation in the agricultural landscape from 1990-2009*. Invited presentation at Canadian Association of Geographers Annual Conference, Calgary, Canada. [Non-Refereed] [Scope: National]

37. Caldwell, Wayne J. & Chan, Y. (2010-2011). *Rural-Urban Linkages*. Invited presentation at South West Economic Alliance Conference, Guelph, Canada-Ontario. [Non-Refereed] [Scope: Regional]

38. Caldwell, Wayne J. (2010-2011). *Trends Impacting "Our" Rural World*. Invited presentation at Huron County Community Conference, Huron County- Bluewater, Canada-Ontario. [Non-Refereed] [Scope: Local]

Description: Opening Plenary

39. Caldwell, Wayne J. (2010-2011). *Ontario Assessment of Severances in Agricultural Designations*. Invited presentation at Ontario Association of Committees of Adjustment and Consent Authorities Fall Conference, Stratford, Canada-Ontario. [Non-Refereed] [Scope: State]
40. Caldwell, Wayne J. & Nichol, P. (2010-2011). *Prospering with a Stable or Declining Population: Leading through Unique Partnerships and Creativity*. Invited presentation at Ontario Farmland Trust Annual Conference, Guelph, Canada-Ontario. [Non-Refereed] [Scope: State]
41. Caldwell, Wayne J. (2010-2011). *Community Economic Development 101 for New Municipal Councillors*. Invited presentation at Rural Ontario Municipal Association Annual Conference., Toronto, Canada-Ontario. [Non-Refereed] [Scope: State]
42. Caldwell, Wayne J. & Churchyard, A. (2010-2011, June). *Lot creation in the agricultural landscape from 1990-2009*. Canadian Association of Geographers Annual Conference, Calgary, Alberta. [Refereed] [Scope: National]
43. Caldwell, Wayne J. & Chan, Y. (2010-2011, June). *Rural-Urban Linkages*. South West Economic Alliance Conference, Guelph, Ontario. [Refereed] [Scope: Regional]
44. Caldwell, Wayne J. (2010-2011, April). *Greenbelts to Control Sprawl: Experience from Canada*. American Planning Association Annual Conference, Buffalo, New York. [Refereed] [Scope: National]
45. Caldwell, Wayne J. (2010-2011, March). *Trends Impacting "Our" Rural World*. Huron County Community Conference, Bluewater, Ontario. [Refereed] [Scope: Regional]
46. Caldwell, Wayne J., Ritchie, B., & Ragetlie, N. (2010-2011, February). *Community Economic Development 101 for New Municipal Councillors*. Rural Ontario Municipal Association Conference, Toronto, Ontario. [Refereed] [Scope: Regional]
47. Caldwell, Wayne J., Nichol, P., Taylor, D., & Werry, M. (2010-2011, February). *Prospering with a Stable or Declining Population: Leading through Unique Partnerships and Creativity*. Ontario Farmland Trust Annual Conference, Guelph, Ontario. [Refereed] [Scope: Regional]
48. Caldwell, Wayne J. (2009-2010, December). *Transforming Today for Tomorrow: Lessons for Your Community*. Ontario West Municipal Conference, London, Ontario. [Refereed] [Scope: Regional]
49. Caldwell, Wayne J. (2009-2010, November). *Community Engagement through the Application of the Landowner Stewardship Guide*. Latonnell Conservation Symposium, Alliston, Ontario. [Refereed] [Scope: Regional]
50. Caldwell, Wayne J. (2009-2010, October). *Why Local Food? Planning and Resiliency*. Fall Planners Forum, London, Ontario. [Refereed] [Scope: Regional]
51. Caldwell, Wayne J. (2009-2010, October). *The Planner, Food Systems and Food Policy: An Ontario Perspective*. Ontario Professional Planners Institute Symposium, Guelph, Ontario. [Refereed] [Scope: Regional]
52. Caldwell, Wayne J. (2009-2010, September). *Food Security and Agriculture in a Changing Climate: An Oxymoron?* Canadian Institute of Planners annual conference, Montreal, Quebec. [Refereed] [Scope: National]
53. Caldwell, Wayne J. (2009-2010, September). *Reflections, Agricultural Livelihoods and How Planning Can Help*. Royal District Planning Commission, Sussex, New Brunswick. [Refereed] [Scope: National]
54. Caldwell, Wayne J. (2009-2010, September). *Farming and the Rural Community in the 21st Century: Challenges and Opportunities for Farmers and for Planners*. Royal District Planning Commission, Sussex, New Brunswick. [Refereed] [Scope: National]
55. Caldwell, Wayne J. (2009-2010, September). *Property Rights and Agricultural Land Use: Some Random Thoughts*. Department of Agriculture and Aquaculture, Fredericton, New Brunswick. [Refereed] [Scope: National]
56. Caldwell, Wayne J. (2009-2010, September). *Rural Grievances and Nuisance Complaints: Causes and Solutions*. Department of Agriculture and Aquaculture, Fredericton, New Brunswick. [Refereed] [Scope: National]
57. Caldwell, Wayne J. (2009-2010, August). *Climate Change & Increasing Oil Prices: Implications and Responses*. Association of Municipalities of Ontario Annual Conference, Windsor, Ontario. [Refereed] [Scope: Regional]
58. Caldwell, Wayne J. (2009-2010, May). *A Rural Perspective on Healthy Communities*. Healthy Communities Conference, Owen Sound, Ontario. [Refereed] [Scope: National]

59. Caldwell, Wayne J. (2009-2010, April). *Protecting Farmland: Canadian Perspectives*. American Planning Association Annual Conference, New Orleans, Louisiana. [Refereed] [Scope: National]
60. Caldwell, Wayne J. (2009-2010, February). *Planning for Local Agriculture and Food. The Planners Role*. Canadian Association of Planning Students, Unknown, Unknown. [Refereed] [Scope: National]
61. Caldwell, Wayne J. (2009-2010, February). *Progressive Planning in Rural Canada*. Canadian Association of Planning Students, Guelph, Ontario. [Refereed] [Scope: National]
62. Caldwell, Wayne J. (2008-2009). *Food Production and Sustainability: A Planners Perspective*. Association of local Public Health Officials, Toronto, Ontario. [Refereed] [Scope: Regional]
63. Caldwell, Wayne J. & Temple, K. (2008-2009, November). *Prospering with a Stable or Declining Population*. Atlantic Planners Institute, St. Johns, Newfoundland. [Refereed] [Scope: Regional]
64. Caldwell, Wayne J. (2008-2009, November). *Sustainable Rural Communities*. Ontario West Municipal Conference, London, Ontario. [Refereed] [Scope: Regional]
65. Caldwell, Wayne J. (2008-2009, October). *The Planners Role: Supporting the Business of Farming and the Rural Economy*. Canadian Institute of Planners /Ontario Professional Planners Institute, Niagra Falls, Ontario. [Refereed] [Scope: National]
66. Caldwell, Wayne J. (2008-2009, October). *Protecting Land and the Business of Farming: Tools*. Canadian Institute of Planners /Ontario Professional Planners Institute, Niagara Falls, Ontario. [Refereed] [Scope: National]
67. Caldwell, Wayne J. (2008-2009, October). *Multi-functionality: A Sustainability Lens*. Manitoba Planning Conference, Brandon, Manitoba. [Refereed] [Scope: Regional]
68. Caldwell, Wayne J. (2008-2009, October). *Rural Landowner Stewardship Guide for the Manitoba Landscape*. Manitoba Planning Conference, Brandon, Manitoba. [Refereed] [Scope: Regional]
69. Caldwell, Wayne J. (2008-2009, October). *Planning, Agriculture and Rural Development and the Cost of Community Services*. Manitoba Planning Conference, Brandon, Manitoba. [Refereed] [Scope: Regional]
70. Caldwell, Wayne J. (2008-2009, July). *Rural Landowner Stewardship Guide for the Ontario Landscape*. Strengthening Stewardship, Calgary, Alberta. [Refereed] [Scope: National]
71. Caldwell, Wayne J., McKibbin, G., & Loretta, R. (2008-2009, May). *Healthy Communities, Sustainable Communities*. Ontario Professional Planners Institute Symposium, Unknown, Ontario. [Refereed] [Scope: Regional]
72. Caldwell, Wayne J. (2008-2009, April). *Innovations Towards Sustainability for Rural Communities*. Community Well-being Symposium, Bethany, Ontario. [Refereed] [Scope: Regional]
73. Caldwell, Wayne J. (2007-2008, November). *Rural Land Use, the Environment and Planning for Agriculture*. World Town Planning Day Event, Caledon, Ontario. [Refereed] [Scope: International]
74. Caldwell, Wayne J. & Klug, J. (2007-2008, November). *Landowner Stewardship Guide for the Ontario Landscape*. Latornell Conservation Symposium, Alliston, Ontario. [Refereed] [Scope: National]
75. Caldwell, Wayne J. (2007-2008, November). *Land Trusts, Easements and Other Tools*. Preserving Agricultural Lands: Tools for Success, Wolfville, Nova Scotia. [Refereed] [Scope: National]
76. Caldwell, Wayne J. (2007-2008, November). *Why Preserve Agricultural Land and Overview of Tools*. Preserving Agricultural Lands: Tools for Success, Wolfville, Nova Scotia. [Refereed] [Scope: National]
77. Caldwell, Wayne J. (2007-2008, November). *Healthy Communities, Sustainable Communities*. Latornell Conservation Symposium, Alliston, Ontario. [Refereed] [Scope: National]
78. Caldwell, Wayne J. & Hill, J. (2007-2008, July). *Climate Change for Planners*. Climate Change Symposium, Iqaluit, Nunavut. [Refereed] [Scope: National]
79. Caldwell, Wayne J. (2007-2008, July). *Planning for and Managing Economic Change in Rural Communities*. Rural Matters Conference, Edmonton, Alberta. [Refereed] [Scope: National]
80. Caldwell, Wayne J. & Klug, J. (2007-2008, July). *Land for Food or Fuel*. Canadian Institute of Planners, Winnipeg, Manitoba. [Refereed] [Scope: National]

81. Caldwell, Wayne J. & Cumming, S. (2007-2008, July). *Healthy Communities, Sustainable Communities*. Canadian Institute of Planners, Winnipeg, Manitoba. [Refereed] [Scope: National]
82. Caldwell, Wayne J. & Allen, L. (2007-2008, July). *Climate Change for Planners*. Canadian Institute of Planners, Winnipeg, Manitoba. [Refereed] [Scope: National]
83. Caldwell, Wayne J. (2007-2008, July). *Rural Land Use and the Environment*. Rural Matters Conference, Edmonton, Alberta. [Refereed] [Scope: National]
84. Caldwell, Wayne J. (2007-2008, May). *Healthy Communities, Sustainable Communities: Linkages with Local Food*. Healthy Communities Coalition, Sault St. Marie, Ontario. [Refereed] [Scope: National]
85. Caldwell, Wayne J. (2007-2008, May). *Healthy Communities, Sustainable Communities: Linkages with Agricultural and Rural Planning Issues*. Health Nutritionists of Ontario Annual Conference, Alliston, Ontario. [Refereed] [Scope: Regional]
86. Caldwell, Wayne J. (2007-2008, April). *Rural Sustainability: Farming, Rural Communities and the Environment: Perspectives from Canada*. New Zealand Planning Institute, Greymouth, New Zealand. [Refereed] [Scope: National]
87. Caldwell, Wayne J. (2006-2007). *Boundary Negotiation Process*. Goderich and Central Huron, Goderich, Canada-Ontario. [Non-Refereed] [Scope: Local]
88. Caldwell, Wayne J., Reid, S., & Klug, J. (2006-2007, November). *Rural Landowner Stewardship Guide for the Ontario Landscape*. Latonnell Conservation Symposium, Alliston, Ontario. [Refereed] [Scope: National]
89. Caldwell, Wayne J. (2006-2007, August). *A Rural Landowner Stewardship Guide for the Huron Watershed: Huron and Provincial Perspectives*. Forests in Settled Landscapes, Toronto, Ontario. [Refereed] [Scope: National]
90. Caldwell, Wayne J. (2006-2007, July). *Agriculture, Recreation & Concerns Over Water Quality: Finding Solutions in the Community*. Recreation & Concerns Over Water Quality: Finding Solutions in the Community., Midland, Ontario. [Refereed] [Scope: Regional]
91. Caldwell, Wayne J., Bowron, B., Cheung, A., Davidson, G., Grechuta, K., Patty Munkittrick, and Richard Parker. (2006-2007, June) *A Call to Action: Touchstones for Today's Planners*. Canadian Institute of Planners, Quebec City, Quebec. [Refereed] [Scope: National]
92. Caldwell, Wayne J. (2006-2007, April). *Land Use Planning, Farmland Preservation and Farm Viability*. Farmland Preservation Conference, Guelph, Ontario. [Refereed] [Scope: National]
93. Caldwell, Wayne J. (2006-2007, March). *Stewardship and Non-Farm Landowners*. Canadian Urban Institute's Nature Count\$ Symposium, Toronto, Ontario. [Refereed] [Scope: National]
94. Caldwell, Wayne J. (2006-2007, January). *Agriculture and Rural Conflict: Canada's Lessons for Direct Marketers*. New York State Direct Marketing Association, Unknown, New York. [Refereed] [Scope: Regional]
95. Caldwell, Wayne J. (2005-2006, June). *Preserving Farmland: A National Perspective*. Post World Planners Congress Seminar Planning for Food, Vancouver, British Columbia. [Refereed] [Scope: International]
96. Caldwell, Wayne J. (2005-2006, June). *Sustainable Relief and Reconstruction- Turning Discussions into Operational Reality*. Invited presentation at World Urban Forum, Vancouver, British Columbia. [Non-Refereed] [Scope: International]
97. Caldwell, Wayne J. & Reid, S. (2005-2006, June). *Getting Down To Business: Community Involvement In Water Quality Decision-making*. Canadian Water Resources Association Conference, Toronto, Ontario. [Refereed] [Scope: National]
98. Caldwell, Wayne J. & Ball, J. (2005-2006, April). *Unearthing the Root of Conflict in the Countryside: Cultivating Space and Understanding*. Rural Development Conference, Collingwood, Ontario. [Refereed] [Scope: National]
99. Caldwell, Wayne J. (2005-2006, March). *Non-Farm Uses in Farming Country: Planning for Farmland Preservation*. Manitoba Planning Conference, Portage la Prairie, Manitoba. [Refereed] [Scope: Regional]
100. Caldwell, Wayne J. (2005-2006, March). *Forging New Paths Together: Making a Difference by Conquering Differences*. Manitoba Planning Conference, Portage la Prairie, Manitoba. [Refereed] [Scope: Regional]
101. Caldwell, Wayne J. & Ball, J. (2004-2005, October). *Agriculture and Rural Conflict: Resolution Using Local Advisory Committees*. American Collegiate Schools of Planning Annual Conference, Kansas City, Missouri. [Refereed] [Scope: National]

102. Caldwell, Wayne J. (2004-2005, October). *Bringing Practice To The Classroom or The Classroom To Practice: Pioneering Strategies For Teaching Planning At Universities*. American Collegiate Schools of Planning Annual Conference, Kansas City, Missouri. [Refereed] [Scope: National]
103. Caldwell, Wayne J. & Ball, J. (2004-2005, October). *Storytelling: Applications In Planning*. Ontario Professional Planners Institute Symposium, Hamilton, Ontario. [Refereed] [Scope: Regional]
104. Caldwell, Wayne J. (2004-2005, October). *Managing The Countryside: Policy And Implementation*. Ontario Professional Planners Institute Symposium, Hamilton, Ontario. [Refereed] [Scope: Regional]
105. Caldwell, Wayne J. & Watkins, M. (2004-2005, August). *Urban Expansion - Rural Demise: Can We Keep Farming In Rural Ontario?* Soil And Water Conservation, Rochester, New York. [Refereed] [Scope: International]
106. Caldwell, Wayne J. & Evans, A. (2004-2005, July). *Planning For The Public Interest - The Province Vs. The Municipality: Ontario's Nutrient Management*. Canadian Institute of Planners, Calgary, Alberta. [Refereed] [Scope: National]
107. Caldwell, Wayne J. (2004-2005, June). *Using The Planning Act To Protect Agricultural Land In Ontario*. Farmland Preservation Conference, Guelph, Ontario. [Refereed] [Scope: International]
108. Caldwell, Wayne J. (2004-2005, June). *The Huron Georegion: Rurality Preserved?* Canadian Association of Geographers Annual Conference, London, Ontario. [Refereed] [Scope: National]
109. Caldwell, Wayne J. (2004-2005, June). *Industrialization of Agriculture And Conflict In The Community: Practical Strategies For A Local Response*. Canadian Association of Geographers Annual Conference, London, Ontario. [Refereed] [Scope: National]
110. Caldwell, Wayne J. (2004-2005, June). *Beyond The Greenbelt: Protecting Agricultural Land In Ontario*. Canadian Association of Geographers Annual Conference, London, Ontario. [Refereed] [Scope: National]
111. Caldwell, Wayne J. (2004-2005, March). *Protection of Agricultural Lands: An Ontario Perspective*. Protection of Agricultural Lands: An Ontario Perspective, Leduc, Alberta. [Refereed] [Scope: Regional]
112. Caldwell, Wayne J. (2004-2005, March). *Livestock Production, Confined Feeding Operations and Community Relations*. Canadian Institute of Planners, Edmonton, Alberta. [Refereed] [Scope: Regional]
113. Caldwell, Wayne J. (2004-2005, March). *Agriculture in the Metropolitan Fringe: What does agriculture need to survive and how can planning contribute to this?* Canadian Institute of Planners, Edmonton, Alberta. [Refereed] [Scope: Regional]
114. Caldwell, Wayne J. (2004-2005, March). *for Agriculture in a Working Agricultural Landscape: Top Down and Bottom Up Approaches*. Canadian Institute of Planners, Edmonton, Alberta. [Refereed] [Scope: Regional]
115. Caldwell, Wayne J. (2004-2005, February). *Livestock Production and Models for Conflict Resolution: Canadian Perspectives*. Livestock Environment Initiative Conference, Mississauga, Ontario. [Refereed] [Scope: International]
116. Caldwell, Wayne J. (2004-2005, January). *Rural Planning & Development Challenges: The Encroaching Urban Shadow*. Conference on the Greater Golden Horseshoe, Toronto, Ontario. [Refereed] [Scope: Regional]
117. Hilts, S., Caldwell, W., Watkins, M., & Wilton, B. (2003-2004, November). *The Ontario Farmland Trust and Farmland Preservation*. Latornell Conservation Symposium, Unknown, Unknown. [Refereed] [Scope: International]
118. Hilts, S. & Caldwell, W. (2003-2004, November). *Policy Approaches to Farmland Preservation in Canada*. Canadian Soil Science Society Annual Meeting, Seattle, Washington. [Refereed] [Scope: National]
119. Caldwell, Wayne J. (2003-2004, November). *Why Protect Farmland?* Annual Ontario Federation of Agriculture Conference, Toronto, Ontario. [Refereed] [Scope: Regional]
120. Caldwell, Wayne J., Ball, J., & Ferreira, G. (2003-2004, October). *Reaching Community Consensus: Training Materials For Agricultural Advisory Committees*. Celebrating Communication for Social and Environmental Change Symposium, Guelph, Ontario. [Refereed] [Scope: International]
121. Caldwell, Wayne J., Ball, J., & Ferreira, G. (2003-2004, October). *Reaching Community Consensus: Training Materials for Agricultural Advisory Committees*. Celebrating Communication for Social and Environmental Change Symposium, Guelph, Ontario. [Refereed] [Scope: International]
122. Caldwell, Wayne J. & Watkins, M. (2003-2004, October). *Urban Expansion – Rural Demise: Can We Keep Farming in Ontario?* Annual Ontario Rural conference, Unknown, Unknown. [Refereed] [Scope: Regional]

123. Caldwell, Wayne J. & Hilts, S. (2003-2004, July). *Farmland Preservation: Innovative Approaches in Ontario*. National Soil and Water Conservation Annual Conference, St.Paul, Minnesota. [Refereed] [Scope: International]
124. Caldwell, Wayne J. & Ball, J. (2003-2004, July). *Managing Agriculture and the Environment: Community Based Approaches to Conflict Resolution*. National Soil and Water Conservation Annual Conference, St.Pauls, Minnesota. [Refereed] [Scope: International]
125. Caldwell, Wayne J., Watkins, M., & Hilts, S. (2003-2004, July). *Urban Expansion – Rural Demise: Are There Alternatives?* Canadian Institute of Planners, Toronto, Ontario. [Refereed] [Scope: National]
126. Caldwell, Wayne J. (2003-2004, July). *Presentations with Punch?* Canadian Institute of Planners, Toronto, Ontario. [Refereed] [Scope: National]
127. Caldwell, Wayne J. (2003-2004, July). *Agriculture and Lake Huron: Nutrient Management and Water Quality. Is the Coast Clear?*, Port Elgin, Ontario. [Refereed] [Scope: Local]
128. Caldwell, Wayne J. (2003-2004, June). *An Open Letter to the Minister of Municipal Affairs and Housing and the Minister of Agriculture and Food*. Farmland Preservation Conference, Guelph, Ontario. [Refereed] [Scope: International]
129. Caldwell, Wayne J. & Dodds-Weir, C. (2003-2004, June). *An Overview of Land Use Planning in Ontario*. Farmland Preservation Conference, Guelph, Ontario. [Refereed] [Scope: International]
130. Caldwell, Wayne J. & Ball, J. (2003-2004, June). *Conflict in the Countryside: The Role of Local Advisory Committees in Rural Ontario*. Conflict Resolution Network of Canada, Waterloo, Ontario. [Refereed] [Scope: National]
131. Caldwell, Wayne J. & Ball, J. (2003-2004, June). *Conflict Resolution Models for Public Conflicts in Rural Settings*. Conflict Resolution Network of Canada, Waterloo, Ontario. [Refereed] [Scope: National]
132. Caldwell, Wayne J. (2003-2004, March). *Resolving Local Conflict: Getting it Right With Local Advisory Committees*. Integrated Solutions to Manure Management II, London, Ontario. [Refereed] [Scope: International]
133. Caldwell, Wayne J. (2003-2004, March). *Fussing and Fuming – Sorting Out Provincial and Municipal Responsibility*. Integrated Solutions to Manure Management II, London, Ontario. [Refereed] [Scope: International]
134. Caldwell, Wayne J. (2003-2004, February). *Overview of Nutrient Management Provincial Advisory Committee: Organization, Mandate, Priority Issues and Decision Making Process*. Water Environment Association of Ontario Biosolids Management Seminar, Unknown, Ontario. [Refereed] [Scope: Regional]
135. Caldwell, Wayne J., Hilts, S., Wilton, B., Watkins, M., Kirkness, J., Rob Dystra (2002-2003). *Farmland Preservation*. Latonnell Conservation Symposium, Alliston, Ontario. [Refereed] [Scope: International]
136. Caldwell, Wayne J. (2002-2003, November). *The Provincial Nutrient Management Advisory Committee – Issues and Process*. Ontario Federation of Agriculture Annual Conference, Toronto, Ontario. [Refereed] [Scope: Regional]
137. Caldwell, Wayne J. (2002-2003, October). *Implementing New Nutrient Management Rules*. Association of Municipalities of Ontario Counties and Regions, Sarnia, Ontario. [Refereed] [Scope: Regional]
138. Caldwell, Wayne J. & Ball, J. (2002-2003, October). *Seeking Harmony in the Countryside: Environmental Perceptions, Conflict Resolution and the Nutrient Management Act*. Ontario Rural Council Annual Conference, Huntsville, Ontario. [Refereed] [Scope: Regional]
139. Caldwell, Wayne J. & Ball, J. (2002-2003, September). *The Contested Countryside: What Planners Need to Know About Rural Ontario*. Ontario Professional Planners Institute Symposium, Muskoka, Ontario. [Refereed] [Scope: Regional]
140. Caldwell, Wayne J. (2002-2003, August). *Nutrient Management and the Transition From Municipal to Provincial Regulations*. Association of Municipalities of Ontario Annual Conference, Toronto, Ontario. [Refereed] [Scope: Regional]
141. Caldwell, Wayne J. & Ball, J. (2002-2003, July). *Beauty and the Beast: Rural Communities and Conflict*. Canadian Institute of Planners, Halifax, Nova Scotia. [Refereed] [Scope: National]
142. Caldwell, Wayne J. & Ball, J. (2002-2003, June). *Space For Many Voices: Mediation Committees In Rural Ontario*. Taking Charge: Rural Community Empowerment In Rural Development, Rural Health and Rural Education, Iverness, Scotland. [Refereed] [Scope: International]
143. Caldwell, Wayne J. & Ball, J. (2002-2003, June). *Speaking For Rural Communities: Form and Process - The Ontario*

- Rural Council*. Taking Charge: Rural Community Empowerment In Rural Development, Rural Health and Rural Education, Inverness, Scotland. [Refereed] [Scope: International]
144. Caldwell, Wayne J. & Ball, J. (2002-2003, June). *Space For Many Voices: Mediation Committees In Rural Ontario*. Rural Health and Rural Education, Inverness, Scotland. [Refereed] [Scope: International]
145. Caldwell, Wayne J. & Ball, J. (2002-2003, June). *Speaking For Rural Communities: Form and Process - The Ontario Rural Council*. Rural Health and Rural Education, Inverness, Scotland. [Refereed] [Scope: International]
146. Caldwell, Wayne J. (2002-2003, February). *Preventing and Resolving Community Conflicts Over Farming Practices*. Canadian Farm Business Management Council Annual Conference, Winnipeg, Manitoba. [Refereed] [Scope: National]
147. Caldwell, Wayne J. (2001-2002, December). *Nutrient Management: The Municipalities Perspective*. Ontario Agri-Business Association Annual Meeting, London, Ontario. [Refereed] [Scope: Regional]
148. Caldwell, Wayne J. (2001-2002, November). *Agriculture & the Risk of Conflict in the New Rural Community*. Maritime Pork Conference, Charlottetown, Prince Edward Island. [Refereed] [Scope: Regional]
149. Caldwell, Wayne J., Weir, C., & Williams, M. (2001-2002, September). *Battle for the Countryside: Rural Non-farm Development and Intensive Livestock Operations*. Ontario Professional Planners Institute Symposium, London, Ontario. [Refereed] [Scope: Regional]
150. Caldwell, Wayne J. (2001-2002, September). *Nutrient Management - Can We Make it Work?* Ontario Professional Planners Institute Symposium, London, Ontario. [Refereed] [Scope: Regional]
151. Caldwell, Wayne J. & Weir, C. (2001-2002, July). *The Countryside: Urban Area in Waiting or a Resource to Preserve?* Soil And Water Conservation, Indianapolis, Indiana. [Refereed] [Scope: International]
152. Caldwell, Wayne J., Yap, N., Brown, L., & Eggen, M. (2001-2002, May). *Drinking Water, Sanitation, and Solid Waste Services in Rural Communities: Municipality Of South Huron Canadian Case Study*. The Transboundary Environmental Management Conference, Tampico, Tamaulipas, Mexico. [Refereed] [Scope: International]
153. Caldwell, Wayne J. & Weir, C. (2001-2002, May). *The Countryside: Urban Area in Waiting or a Resource to Preserve?* Canadian Institute of Planners, Vancouver, Canada-British Columbia. [Refereed] [Scope: National]
154. Caldwell, Wayne J. & Weir, C. (2001-2002, May). *The Countryside: Urban Area in Waiting or a Resource to Preserve?* Canadian Institute of Planners, Vancouver, British Columbia. [Refereed] [Scope: National]
155. Caldwell, Wayne J. & Tousaw, S. (2001-2002, April). *Facilitating Community Consensus: Large Livestock Operations and the Challenge For Rural Municipalities*. Agricultural Nutrients and Their Impacts on Rural Water Quality, Waterloo, Ontario. [Refereed] [Scope: National]
156. Caldwell, Wayne J. (2001-2002, February). *Ontario's Draft Nutrient Management Act (Bill 81), Strengths, Weaknesses and Implications*. Invited presentation at Ontario Institute of Agrologists Conference, Aberfoyle, Ontario. [Non-Refereed] [Scope: Regional]
157. Caldwell, Wayne J. (2000-2001, November). *Finding Solutions For Rural Issues- Mobilizing A Vision For Rural Ontario*. Latornell Conservation Symposium, Alliston, Ontario. [Refereed] [Scope: International]
158. Caldwell, Wayne J. (2000-2001, October). *Rural Ontario 2001: Nobody Does It Better! Setting the Scene*. Ontario Rural Council Annual Conference, Alliston, Ontario. [Refereed] [Scope: Regional]
159. Caldwell, Wayne J. (2000-2001, August). *Ontario's Draft Nutrient Management Act (2000) Agriculture, and Implications for Municipalities*. Association of Municipalities of Ontario Annual Conference, Toronto, Ontario. [Refereed] [Scope: Regional]
160. Caldwell, Wayne J. & Robertson, M. (2000-2001, July). *Building Innovative Rural Communities: A Case Study of the Ontario Rural Council*. Canadian Institute of Planners annual conference, Ottawa, Ontario. [Refereed] [Scope: National]
161. Caldwell, Wayne J. (2000-2001, July). *Rural Planning and Large Livestock Facilities*. Canadian Institute of Planners, Ottawa, Ontario. [Refereed] [Scope: National]
162. Caldwell, Wayne J. (2000-2001, June). *Land Use Issues and Conflict Resolution*. Invited presentation at Livestock – Options for the Future, Winnipeg, Canada-Manitoba. [Non-Refereed] [Scope: International]
163. Caldwell, Wayne J. (2000-2001, June). *Local Government and Agricultural Planning: Best Practices*. Livestock –

Options for the Future, Winnipeg, Canada-Manitoba. [Refereed] [Scope: International]

164. Caldwell, Wayne J. (2000-2001, June). *Local Government and Agricultural Planning: Best Practices*. Livestock – Options for the Future, Winnipeg, Manitoba. [Refereed] [Scope: National]

165. Caldwell, Wayne J. (2000-2001, June). *Land Use Issues and Conflict Resolution*. Livestock – Options for the Future, Winnipeg, Manitoba. [Refereed] [Scope: National]

166. Caldwell, Wayne J. (2000-2001, March). *The Rural/Urban Debate*. Agri-Food Outlook Conference, Truro, Nova Scotia. [Refereed] [Scope: International]

167. Caldwell, Wayne J. (2000-2001, February). *Water Quality Management in Ontario*. Rural Ontario Municipal Association/ Ontario Good Roads Association Combined Conference, Toronto, Ontario. [Refereed] [Scope: Regional]

168. Caldwell, Wayne J. (1999-2000, October). *Development & Planning - A Case Study of the Niagara Wine Industry*. Latonell Conservation Symposium, Alliston, Ontario. [Refereed] [Scope: International]

169. Caldwell, Wayne J. & Aston, D. (1999-2000, October). *Striking the Balance: Agriculture, Agri-Tourism & Planning Policy*. Ontario Professional Planners Institute Symposium, Niagra Falls, Ontario. [Refereed] [Scope: Regional]

170. Caldwell, Wayne J. (1999-2000, January). *When the Manure Hits the Fan – Municipalities and Nutrient Management Plans*. Tackling 2000, Ridgeway, Ontario. [Refereed] [Scope: Local]

171. Caldwell, Wayne J. (1998-1999). *The Community and an Evolving Agricultural Sector: Coping With Change – A Municipal Perspective*. Nutrient Management Planning Conference, Niagra Falls, Canada-Ontario. [Refereed] [Scope: National]

172. Caldwell, Wayne J. (1998-1999, May). *Rural Stewardship: Private Landowners and Community Goals*. Partnering: Private Interest, Public Rights, Conservation Issues and EAC's, London, Canada-Ontario. [Refereed] [Scope: International]

173. Caldwell, Wayne J. (1998-1999, May). *Rural Stewardship: Private Landowners and Community Goals*. Partnering: Private Interest, Public Rights, Conservation Issues and EAC's, London, Ontario. [Refereed] [Scope: International]

174. Caldwell, Wayne J. (1998-1999, March). *Large Livestock Barns, Community Issues and Current Municipal By-laws*. Innovative Farmers Conference, London, Canada-Ontario. [Refereed] [Scope: National]

175. Caldwell, Wayne J. (1998-1999, February). *The Community and an Evolving Agricultural Sector: Coping With Change – A Municipal Perspective*. Nutrient Management Planning Conference, Niagra Falls, Canada-Ontario. [Refereed] [Scope: National]

176. Caldwell, Wayne J. (1997-1998, October). *Agriculture, Risk Management and the Rural-Urban Interface*. Canadian Farm Business Management Council Annual Conference, Hull, Canada-Quebec. [Refereed] [Scope: National]

177. Caldwell, Wayne J. (1997-1998, October). *Rural Planning and the Environment*. Association of Municipalities of Ontario Counties and Regions, Brantford, Canada-Ontario. [Refereed] [Scope: Regional]

178. Caldwell, Wayne J. (1997-1998, January). *Environmental Health, Intensive Agriculture and the Rural Community*. Agricultural Lenders Symposium, Guelph, Canada-Ontario. [Refereed] [Scope: International]

Description: The Environment and Quality Assurance: From Farm Gate to Global Plate

179. Caldwell, Wayne J. (1996-1997, October). *Rural Planning: The Huron County Experience*. Government of New Brunswick, Fredericton, Canada-New Brunswick. [Refereed] [Scope: Regional]

180. Caldwell, Wayne J. (1996-1997, July). *Community Development: An Old Recipe With a New Twist- A Treatment For Your Community's Ailments*. Rural Resources, Rural Development, Truro, Canada-Nova Scotia. [Refereed] [Scope: International]

Description: Edited by Kenneth B. Beesley and Lia A. Daborn

181. Caldwell, Wayne J. (1995-1996, July). *Planning and Community Development in the Management of Change: A Health Care Perspective*. Association of Collegiate Schools of Planning/ Association of European Schools of Planning, Toronto, Canada-Ontario. [Refereed] [Scope: International]

Description: "Local Planning in a Global Environment"

182. Caldwell, Wayne J. (1995-1996, June). *Community Based Planning: Focus Groups, the Planner and Facilitation*. Canadian Institute of Planners, Saskatoon, Canada-Saskatchewan. [Refereed] [Scope: National]

183. Caldwell, Wayne J. (1995-1996, March). *Land Use Planning, the Environment and the Siting of Intensive Livestock Facilities*. International Manure Management Symposium, Winnipeg, Canada-Manitoba. [Refereed] [Scope: International]
Description: Edited by A. Dickson
184. Caldwell, Wayne J. (1994-1995, July). *Setting: A Municipal Council Meeting, Somewhere in Rural Ontario - Agenda: Land Use Planning and Siting Livestock and Poultry Facilities*. Siting Livestock and Poultry Operations for the 21st Century, Ottawa, Canada-Ontario. [Refereed] [Scope: National]
185. Caldwell, Wayne J. (1992-1993, November). *The Sewell Commission: What's the Next Step Now That the Commission Has Handed in the Final Report?* Ministry of Municipal Affairs' London Regional Conference, London, Canada-Ontario. [Refereed] [Scope: Regional]
186. Caldwell, Wayne J. (1992-1993, April). *Current Approaches to Rural and Urban Economic Development*. Ontario Professional Planners Institute Symposium, Unknown, Unknown. [Refereed] [Scope: Regional]
187. Caldwell, Wayne J. (1991-1992, August). *Consideration of the Environment: Its Integration Into Rural Planning and Development*. Resource Management in a Dynamic World, Baltimore, Maryland. [Refereed] [Scope: International]
188. Caldwell, Wayne J. (1991-1992, June). *Rural Canada: Towards A Desirable Future*. Canadian Institute of Planners annual conference, Unknown, Unknown. [Refereed] [Scope: National]
189. Caldwell, Wayne J. (1990-1991, July). *Rural Development Planning: The Public, Process and Policy*. Canadian Institute of Planners annual conference, Unknown, Unknown. [Refereed] [Scope: National]
190. Caldwell, Wayne J. (1990-1991, July). *Rural Community Development Planning: The Public, Process and Policy*. Canadian Institute of Planners, Quebec City, Canada-Quebec. [Refereed] [Scope: National]
191. Caldwell, Wayne J. (1990-1991, June). *Rural Development Planning: An Examination of the Provincial Role*. Innovative Rural Communities, Charlottetown, Canada-Prince Edward Island. [Refereed] [Scope: International]
192. Caldwell, Wayne J. (1988-1989, August). *Agricultural Change and the Provincial Role in Developing Local Approaches to Planning and Development*. Canadian Institute of Planners, Saint John, Canada-New Brunswick. [Refereed] [Scope: National]
193. Caldwell, Wayne J. (1987-1988, October). *Wetlands: A Municipal Perspective*. Ontario Wetland's Conference, Toronto, Ontario. [Refereed] [Scope: Regional]
194. Caldwell, Wayne J. (1987-1988, October). *Wetlands: A Municipal Perspective*. Ontario Wetland's Conference, Toronto, Canada-Ontario. [Refereed] [Scope: Regional]
195. Caldwell, Wayne J. (1987-1988, March). *Planning For Economic Development: A County Perspective*. Grass Roots Strategies for Stability and Growth, Barrie, Ontario. [Refereed] [Scope: International]
196. Caldwell, Wayne J. (1987-1988, March). *Planning For Economic Development: A County Perspective*. Grass Roots Strategies for Stability and Growth, Barrie, Canada-Ontario. [Refereed] [Scope: National]
197. Caldwell, Wayne J. (1984-1985, November). *Foodlands - Preserved for Destruction: A Municipal Perspective*. Canadian Institute of Planners, Unknown, Unknown. [Refereed] [Scope: National]

Paper (part of symposium)

198. Caldwell, Wayne J., Short, R., & Ball, J. (2003-2004, June). *A Participatory Approach to Water Management: Irrigation Advisory Committees in Southern Ontario*. Canadian Water Resources Association Conference, Montreal, Quebec. [Refereed] [Scope: National]
199. Caldwell, Wayne J. (2002-2003, May). *Municipalities and Nutrient Management: What Lies Ahead*. Ontario Institute of Agrologists Conference, Hamilton, Canada-Ontario. [Refereed] [Scope: Regional]
200. Caldwell, Wayne J. & Tousaw, S. (2001-2002, April). *Facilitating Community Consensus : Large Livestock Operations and the Challenge for Rural Municipalities*. National Conference on Agricultural Nutrients and Their Impact on Rural Water Quality, Waterloo, Canada-Ontario. [Refereed] [Scope: National]
201. Caldwell, Wayne J. & Tousaw, S. (2001-2002, April). *Facilitating Community Consensus : Large Livestock Operations and the Challenge for Rural Municipalities*. National Conference on Agricultural Nutrients and Their Impact on Rural Water Quality, Waterloo, Ontario. [Refereed] [Scope: National]

202. Caldwell, Wayne J. & Tousaw, S. (2001-2002, April). *Clean Waters - Using Community - Based Approaches For Water Management In Rural Ontario*. Water Environment Association of Ontario, Hamilton, Ontario. [Refereed] [Scope: Regional]
203. Caldwell, Wayne J. & Robertson, M. (2000-2001, July). *Building Innovative Rural Communities: A Case Study of the Ontario Rural Council*. Canadian Institute of Planners, Ottawa, Canada-Ontario. [Refereed] [Scope: National]
204. Caldwell, Wayne J. (1999-2000, February). *Risk Management and Agriculture: Coping With Change – A Municipal Perspective*. Rural Ontario Municipal Association/ Ontario Good Roads Association Combined Conference, Toronto, Ontario. [Refereed] [Scope: Regional]
205. Caldwell, Wayne J. & Toombs, M. (1998-1999, June). *Rural Planning, The Community and Large Livestock Facilities: A Cross-Canada Checkup*. Canadian Institute of Planners, Montreal, Quebec. [Refereed] [Scope: National]
206. Caldwell, Wayne J. & Knight, R. (1997-1998, June). *Representativeness and Openness: A Model for Public Participation*. Canadian Institute of Planners, Winnipeg, Canada-Manitoba. [Refereed] [Scope: National]
207. Caldwell, Wayne J. & Knight, R. (1996-1997, September). *Transferring Responsibility to the Community: A New Official Plan*. International Association for Public Participation Conference, Toronto, Canada-Ontario. [Refereed] [Scope: International]
- Description: "Participation in Turbulent times".
208. Caldwell, Wayne J., Bowers, S., Greening, H., & Williams, O. (1996-1997, July). *A Community Development Approach to Environmental Management*. Soil And Water Conservation, Toronto, Canada-Ontario. [Refereed] [Scope: International]
- Description: "Interactions: Managing Ecosystems on a Watershed Basis".
209. Caldwell, Wayne J., Leeming, C., Nichol, P., & Niesen, J. (1994-1995, June). *Rural Community Economic Development: A Model for a Co-operative Arrangement Between Local, Provincial and Federal Authorities*. Canadian Association of Geographers Annual Conference, Montreal, Canada-Quebec. [Refereed] [Scope: National]
210. Caldwell, Wayne J. & Murray, J. A. (1994-1995, May). *Exploring Approaches to the Administration of a Long-Term Care Facility: The Application of a Community Planning and Development Process*. National Home Care Conference, Edmonton, Canada-Alberta. [Refereed] [Scope: National]
- Description: "Teaming Up For Positive Outcomes"
211. Caldwell, Wayne J. (1993-1994, June). *Rural Communities: Maintaining Development Options in the Face of Environmental Concerns*. Challenge and Change: Rural Communities Preparing for the 21st Century, St. Andrews, Canada-New Brunswick. [Refereed] [Scope: National]
- Description: presentation delivered by Gary Davidson
212. Caldwell, Wayne J. (1992-1993, August). *Rural Planning and Agricultural Land Preservation: A Canadian and Ontario Perspective*. Exploring Conservation Frontiers, Fort Worth, Texas. [Refereed] [Scope: National]
213. Caldwell, Wayne J. (1991-1992, June). *Rural Canada: Towards A Desirable Future*. Canadian Institute of Planners, London, Canada-Ontario. [Refereed] [Scope: National]

Podium

214. Caldwell, Wayne J., Kraehling, P., & Kaptur, S. (2013-2014). *A Planning Toolkit for Healthy Rural Communities*. Canadian Institute of Planners, National Conference, Fredericton, Canada. [Refereed] [Scope: National]
215. Caldwell, Wayne J. (2013-2014). *Healthy Rural Communities*. Invited presentation at Exploring Local Health Challenges, Innisfil, Canada-Ontario. [Non-Refereed] [Scope: Regional]
- Description: Invited
216. Caldwell, Wayne J. (2013-2014). *Healthy Local Economies: A Prescription for a Healthy Community*. Invited presentation at Creating Healthy Active Communities in Middlesex County, Komoka, Canada-Ontario. [Non-Refereed] [Scope: Local]
- Description: Invited
217. Caldwell, Wayne J. (2013-2014). *Key Perspectives on the Greenbelt from the Agricultural and Planning Communities*. Invited presentation at Ontario Farmland Trust Annual Conference, Guelph, Canada-Ontario. [Non-Refereed] [Scope: State]
- Description: Invited
218. Caldwell, Wayne J. (2013-2014). *Rural Communities and the Strategic Importance of Immigration: A Prescription for a*

Healthy Community. Invited presentation at Bi-National Conference, Port Huron, Michigan. [Non-Refereed] [Scope: International]

219. Caldwell, Wayne J. (2013-2014). *Building on Your Strengths For a Better Tomorrow*. Invited presentation at Chatham Kent Communities in Action, Ridgeway, Canada-Ontario. [Non-Refereed] [Scope: Regional]

Description: Opening Plenary.

220. Caldwell, Wayne J. (2013-2014). *Lining it up – Aligning Land Use Policies to Support Rural and Agricultural Development*. Invited presentation at Ontario West Municipal Conference, London, Canada-Ontario. [Non-Refereed] [Scope: Regional]

Description: Invited

221. Caldwell, Wayne J. (2013-2014). *Healthy Communities Through Healthy Local Economies: Building on Your Strengths for a Better Tomorrow*. Invited presentation at Healthy Communities Coalition, Minden, Canada-Ontario. [Non-Refereed] [Scope: State]

Description: Opening Keynote/Plenary

222. Caldwell, Wayne J. (2013-2014). *The Niagara Escarpment as a Working Landscape: An Agricultural Perspective*. Invited presentation at Niagara Escarpment, Leading Edge Summi, Milton, Canada-Ontario. [Non-Refereed] [Scope: State]

Description: Invited

223. Caldwell, Wayne J. (2012-2013). *Producing Food and Protecting Farmland in the Rural-Urban Fringe*. Invited presentation at Feeding Cities: Food Security in a Rapidly Urbanizing World, Philadelphia, Pennsylvania. [Non-Refereed] [Scope: International]

Description: Invited

224. Caldwell, Wayne J. (2012-2013). *Greenbelts: Food Production and Farmland Protection in the Rural-Urban Fringe*. International Comparative Rural Policies Conference, Bologna, Italy. [Refereed] [Scope: International]

225. Caldwell, Wayne J. (2012-2013). *Aligning Policies to Support Strategic Plans: A Rural and Agricultural Focus*. Invited presentation at South Central Ontario Region local conference, Tilsonburgh, Canada-Ontario. [Non-Refereed] [Scope: Local]

Description: Keynote - Invited

226. Caldwell, Wayne J., Landman, K., Kelly, S., & Burcher, L. (2012-2013). *Community Engagement: THE SEDRD Model*. Teaching & Learning Innovations Conference, Guelph, Canada-Ontario. [Non-Refereed] [Scope: Local]

227. Caldwell, Wayne J. (2012-2013). *Severance: What They Are, How They Work, Why They Matter*. Invited presentation at Exploring Rural Land Use: Issues, Institutions and Change, Guelph, Canada-Ontario. [Non-Refereed] [Scope: State]

Description: Invited

228. Caldwell, Wayne J. (2012-2013). *SWEA Chair in Regional Economic Development for Southwestern Ontario*. Invited presentation at SWEA Annual Conference, Goderich, Canada-Ontario. [Non-Refereed] [Scope: Regional]

Description: Invited

229. Caldwell, Wayne J. (2011-2012). *Community Economic Development in Rural Settings: Success Factors in Rural CED (Pre conference special session)*. Invited presentation at Manitoba Planning Conference, Brandon, Canada-Manitoba. [Non-Refereed] [Scope: State]

230. Caldwell, Wayne J. (2011-2012). *Rural Community Economic Development: Planning for Success*. Invited presentation at Regional Economic Development Branch Conference (OMAFRA), Guelph, Canada-Ontario. [Non-Refereed] [Scope: State]

231. Caldwell, Wayne J. (2005-2006, November). *Rural Grievances: Causes and Solutions*. Latonell Conservation Symposium, Alliston, Ontario. [Refereed] [Scope: National]

232. Caldwell, Wayne J. (2005-2006, January). *Impact of Pork Industry on Rural Communities: Community Perceptions of Environmental, Economic and Social Impacts of Livestock Production*. Invited presentation at Banff Pork Congress, Banff, Alberta. [Non-Refereed] [Scope: State]

233. Caldwell, Wayne J. (2004-2005, November). *Rural & Urban: Discovering Strength In Our Differences*. Urban Summit, Uxbridge, Ontario. [Refereed] [Scope: Regional]

234. Caldwell, Wayne J. (2004-2005, July). *Bringing Practice To The Classroom or The Classroom To Practice: Pioneering Strategies For Teaching Planning at Universities*. Canadian Institute of Planners, Calgary, Alberta. [Refereed] [Scope: State]

National]

235. Caldwell, Wayne J. (2004-2005, March). *Agriculture, Nutrient Management and Provincial vs. Municipal Responsibility*. Invited presentation at Ontario Agricultural College, Guelph, Ontario. [Non-Refereed] [Scope: Local]
236. Caldwell, Wayne J. (2003-2004, June). *Farmland Preservation in Ontario*. Farmland Preservation Conference, Guelph, Ontario. [Refereed] [Scope: International]
237. Caldwell, Wayne J. (2002-2003, September). *Presentations With Punch*. Ontario Professional Planners Institute Symposium, Muskoka, Ontario. [Refereed] [Scope: Regional]
238. Caldwell, Wayne J. (2002-2003, January). *Ontario's Draft Nutrient Management Regulations*. Township of Stone Mills, Centreville, Ontario. [Refereed] [Scope: Local]
239. Caldwell, Wayne J. (2001-2002, November). *Intensive Livestock Production and the Neighbour's Perspective*. Maritime Pork Conference, Charlottetown, Prince Edward Island. [Refereed] [Scope: Regional]
240. Caldwell, Wayne J. (2001-2002, November). *Agriculture and Conflict in the New Rural Community: The Need for Appropriate Risk Management Strategies*. Invited presentation at Western Ontario Smart Growth Panel, Owen Sound, Ontario. [Non-Refereed] [Scope: Regional]
241. Caldwell, Wayne J. (1999-2000, February). *Planning the Future Development of Ontario's Wine Industry*. Economic Development of Ontario, Toronto, Ontario. [Refereed] [Scope: Regional]
242. Caldwell, Wayne J. (1997-1998, December). *The Community and Groundwater: From Regulation to Volunteerism- The Role of the Municipality*. Groundwater in a Watershed Context, Burlington, Canada-Ontario. [Refereed] [Scope: Regional]

Poster

243. Caldwell, Wayne J. & Williams, M. (2001-2002, July). *Intensive Livestock Operations: Neighbour Perspectives and Agricultural and Planning Responses*. Soil And Water Conservation, Indianapolis, Indiana. [Refereed] [Scope: International]

COMMUNITY ENGAGED SCHOLARSHIP

Community Engaged Scholarship is inherent in virtually every thing that I do. The University of Guelph Institute for Community Engaged Scholarship includes the following definition on their website: Community engagement is “collaboration between institutions of higher education and their larger communities (local, regional, national, global) for the mutually beneficial exchange of knowledge and resources in a context of partnership and reciprocity”. This definition inspires my own approach to community engagement:

From a teaching perspective students are encouraged and expected to engage with communities. Class projects provide the opportunity for students to immerse themselves in real problems, engage with community and provide supervised professional assistance. The project: “The Application of Innovative Web-Based Engagement for Community Projects. Community Engaged Scholarship” is a specific example of this.

My research is equally immersed in Community – from the perspective of the practical issues that are tackled and the methodologies that are used. An example includes an annual meeting with my research advisory committee. This group of approximately 40 invitees reviews research projects, issues, methods and outcomes – all with a goal of making the results more relevant and helpful.

Finally my service beyond the University is closely tied to community – the communities of rural Canada, my home community and my professional community.

OTHER SCHOLARSHIP

Community Engaged Scholarship

2013-2014: Caldwell, Wayne J., *The Application of Innovative Web-Based Engagement for Community Projects*. In 2012 I secured a KTT grant: The Application of Innovative Web-Based Engagement for Community Projects. This project had a specific purpose of encouraging (and funding) graduate student projects. Over the period 2012-2014 twelve projects were completed by student teams from the courses Advanced Planning Practice and Community Engagement. Municipalities submitted proposals and these were reviewed to identify the best fit with student interests and project objectives. Sample projects include a Master Plan for Brussels, a Food Literacy Project and an assessment of the proposed Melancthon Quarry amongst others. Samples can be reviewed at: <http://www.waynecaldwell.ca/Students/courseprojects.html>. While I am not

technically an author to these projects there were countless hours of time invested in assisting the students through this professional experience.

Invited Seminars

2014-2015: Caldwell, Wayne J., *Food Security And Planning In The Commonwealth*. This webinar was hosted by the Commonwealth Association of Planners and presented to an international audience.

Newsletters

2016-2017: Caldwell, Wayne J., *The Healthy Rural Lens for Huron County*. Published in the HCHRPL Newsletter

SCHOLARLY WORK IN PROGRESS

6. OTHER SCHOLARLY AND PROFESSIONAL ACTIVITIES AND ACHIEVEMENTS

INTERDISCIPLINARY ACTIVITIES

Interdisciplinary Activity (2012-2014)

The School of Environmental Design and Rural Development is inherently interdisciplinary. We blend several professions and disciplines where folks are encouraged to work together. The nature of our work also means that we are working with other departments on campus, outside agencies, professions and the public. This occurs through teaching, research and service. As Director I see it as my role to encourage and facilitate this wherever possible.

At a personal and professional level my own work is largely interdisciplinary in nature. In particular I have pursued new interests and spent much effort working with health units in pursuing a focus on healthy rural communities over the last 2 years. This includes work funded by Public Health Ontario, and partnerships with Health Units from across the province.

Examples of interdisciplinary work:

Samples of Recently Published Interdisciplinary Books/Papers

Caldwell, Wayne J., Kraehling, P., Huff, J., & Kaptur, S., (2014). *Healthy Rural Communities Toolkit: A Guide for Rural Municipalities*. Submitted to Public Health Ontario.

Wayne J. Caldwell. (2014). *Planning for Rural Resilience: Coping with Climate Change and Energy Futures*. University of Manitoba Press, Winnipeg, Manitoba.

Perspectives on Planning for Agriculture and Food Security in the Commonwealth. Co-authored with Kelsey Lang. June, 2014.

Sample Interdisciplinary Presentations

"A Planning Toolkit for Healthy Rural Communities." Presentation with Paul Kraehling and Suzanna Kaptur. Canadian Institute of Planners Annual Conference, Fredericton, New Brunswick. July, 2014.

"Healthy Rural Communities." Exploring Local Health Challenges. Innisfil, Ontario. June, 2014.

"Healthy Local Economies: A Prescription for a Healthy Community." Creating Healthy Active Communities in Middlesex County. Komoka, Ontario. January, 2014.

"Healthy Local Economies: Active Transportation: A Call to Action." Goderich BIA. Goderich, Ontario. March, 2014.

"Building on Your Strengths For a Better Tomorrow." Plenary. Chatham Kent Communities in Action. Ridgetown, Ontario. November, 2013.

"Healthy Communities Through Healthy Local Economies: Building on Your Strengths for a Better Tomorrow." Plenary Keynote Presentation. Healthy Communities Conference. Minden, Ontario. October, 2013.

"Strategies and Models of Practice for Healthy Rural Built Environments." Presentation with Erica Arnett, Paul Kraehling and Suzanna Kaptur. OPPI Annual Conference, London, Ontario. September, 2013.

"To Cut or Conserve? An Overview of Forest Conservation By-laws and the Debate in Chatham-Kent." Presentation with Kelsey Lang. Latornell Annual Conference. Alliston, Ontario. November, 2013.

"Rural Communities and the Strategic Importance of Immigration: A Prescription for a Healthy Community." Bi-National Conference. Port Huron, Michigan. October, 2013.

"Community Engagement through the Application of the Landowner Stewardship Guide." Latornell Conservation Symposium. Alliston, Ontario. November, 2012

Working with Community Groups and organizations

Some of the community groups include:

- Elgin-St Thomas Public Health Unit
- Chatham-Kent Public Health Unit
- Huron County Public Health Unit
- Huron Water Protection Steering Committee
- Lake Huron Centre for Coastal Conservation
- Huron Immigration partnership
- Huron Business Centre

INTERNATIONAL INVOLVEMENT

Although my career focuses on professional planning practice in Canada I continue to value international contacts and practice. In 2012-2014 international presentations, research and activities included the United States, Italy and the Commonwealth. There are 3 areas that I will report on::

a) United States

Papers presented in the United States:

- Caldwell, Wayne J. (2013). Rural Communities and the Strategic Importance of Immigration: A Prescription for a Healthy Community. Bi-National Conference, Port Huron, Michigan.
- Caldwell, Wayne J. (2013). Producing Food and Protecting Farmland in the Rural-Urban Fringe. Feeding Cities: Food Security in a Rapidly Urbanizing World, Philadelphia, Pennsylvania.

Student field trips:

- Advanced Planning Practice: field trip to Florida (Polk County) (2013)
- Advanced Planning Practice: field trip to New York (Tompkins County) (2014)

b) The Commonwealth

The following report was developed on behalf of the Commonwealth Association of Planners:

- Caldwell, Wayne J. & Lang, K. 2014. Perspectives on Planning for Agriculture and Food Security in the Commonwealth. submitted to Commonwealth Association of Planners.

c) Other International presentations:

Caldwell, Wayne J. (2013). Greenbelts: Food Production and Farmland Protection in the Rural-Urban Fringe. International Comparative Rural Policies Conference, Bologna, Italy

PROFESSIONAL DEVELOPMENT

Professional Accreditation or Training

1990-1991: Certificate in Economic Development, University of Waterloo, Waterloo, Canada-Ontario.

7. SERVICE

Department Assignments

Service Dossier:

2012-2013 – 2014-2015: Summary of Director Responsibilities (Department, College and University): The Service Dossier provides a summary of activities, tasks and responsibilities in my role as Director (2012-2014).

ON CAMPUS / INSTITUTIONAL SERVICE

University of Guelph, Ontario Agricultural College, School of Environmental Design and Rural Development

Department Assignments

Department Chair or School/Campus Director:

2011-2012 – 2015-2016: School of Environmental Design and Rural Development: There are a number of tasks, duties and other roles that are the responsibility of the Director. These are partially covered in the attached service dossier and they are partially covered in the specific entries listed under Institutional Service.

COMMITTEE WORK

University of Guelph, Ontario Agricultural College, School of Environmental Design and Rural Development

University Assignments

Member:

2013-2014 – 2014-2015: Senate Research Board: The Research Board develops policies and procedures for matters such as: approval of applications for research grants and contracts from external agencies, patents and copyrights, and research coordination. The Research Board also regularly reviews the total research program of the University and makes recommendations regarding the organization of research areas, distribution of grants and uncommitted research funds, and performs other tasks as outlined in the Research Board bylaws.

2012-2013: Program Prioritization Task Force: The Task Force had responsibility to review and rank 492 programs from across campus. The appointment was announced in October of 2012 and concluded in August of 2013. The work of the Committee was intense (approximately 2 days per week) during the months of March-July of 2013.

EXAMINATIONS

University of Guelph, Ontario Agricultural College, School of Environmental Design and Rural Development

Department Assignments

Thesis Defence / Dissertation - Chr/Co-Chr:

2013-2014: Chair Thesis Defence - Megan MacLean

2012-2013: Chair Thesis Defence - Lucie Svecora

OTHER INSTITUTIONAL SERVICE

University of Guelph, Ontario Agricultural College, School of Environmental Design and Rural Development

Department Assignments

Liaison/Outreach:

2014-2015: Examining Our Potential or "Isn't it cool to be a SEDRD'er?": Presentation at the School's annual research day.

University of Guelph, Ontario Agricultural College, School of Environmental Design and Rural Development

College Assignments

Other Institutional Service Activities:

2011-2012 – 2015-2016: Dean's Council: Dean's Council meets twice per month throughout most of the year. These meetings provide the opportunity for the Dean and Associate Dean's to share and discuss on-going issues related to Administration, Teaching and Research. There are also periodic retreats.

2013-2014: Search Committee - Chair of Food, Agriculture and Resource Economics: Participated as the representative from Dean's Council in the search for a new chair for Food, Agriculture and Resource Economics department (FARE).

2013-2014: Search Committee - Reappointment of Director School of Environmental Science:

Participated as the representative from Dean's Council in the reappointment of Dr. Jonathan Newman as the Director of SES.

University Assignments

Other Institutional Service Activities:

2011-2012 – 2015-2016: Member Senate: The University of Guelph Senate was established through the University of Guelph Act and is responsible for academic programs, regulations and policies. As Director I attend regular meetings of Senate.

2011-2012 – 2015-2016: Member Council of Chairs: The Council of Chairs (including all Chairs and Directors) meet with the Provost periodically throughout the year (probably 4-6 times /year). These meetings provide the opportunity for the Provost and various university officials to present to the Directors and for the Directors/Chairs to provide input to University Administration.

2013-2014 – 2014-2015: Senate Research Board - Vice-Chair: As Vice Chair I assume the responsibilities of the Chair in the event of her absence (at Senate or Committee meetings).

2013-2014: Develop Memorandum of Understanding with the Gateway Rural Health Research Institute

2012-2013: Program Prioritization Task Force - Sub Committee Chair: The Task Force had responsibility to review and rank 492 programs from across campus. Four sub-committees were created with responsibility to provide a detailed review of approximately 123 programs. As Sub-Committee Chair I had responsibility to facilitate discussions in a timely manner and participate with the sub-committee chairs in contributing to the final report.

2012-2013: Develop Memorandum of Understanding with the Stewardship Network of Ontario

2011-2012 – 2012-2013: School for Civil Society - Member Catalyst Team:

The three members of the Catalyst Team (appointed by the President) had overall responsibility to develop a vision for the proposed School for Civil Society and Engagement. This was an exciting opportunity to vision the potential creation of a new school at the University. The result is a detailed report available at <http://schoolforcivilsociety.ca>. This was a major commitment from February 2012 through May 2013 (at times consuming at least a day a week). In addition to developing the report there were several phases and approaches to engage University faculty, alumni and students (in addition to regular meetings with the Dean of CSAHS and periodic meetings with the President/Provost).

SCHOLARLY AND PROFESSIONAL SERVICE ACTIVITIES BEYOND CAMPUS

Advising of Graduate Students External to the University of Guelph

Graduate Students: External Examiner

2013-2014: University of Calgary (National). External examiner for PhD defence of Anas Almujaahiry.

2012-2013: University of Waterloo Department of Planning (Regional). External examiner of Allan Powell (Masters in Planning).

Graduate Students: External Supervision

2013-2014: University of Waterloo Department of Planning (Local). Committee Member for Shireen Aslam. Her thesis investigated climate change risk and policies.

Other Professional Service Activities

Board Member: Advisory Board

2012-2013 – 2015-2016: Association of Canadian University Planning Programs (National).

2010-2011 – 2012-2013: President- Association of Canadian University Planning Programs (National).

2004-2005 – 2006-2007: Canadian Institute of Planners (National). Council

Board Member: Board of Directors

2012-2013 – 2014-2015: Southwest Economic Alliance (Regional).

2011-2012 – 2012-2013: Canadian Institute of Planners (National).

Committee / Task Force / Organization: Chair

2003-2004 – 2009-2010: Provincial Nutrient Management Advisory Committee (Regional).

2005-2006 – 2007-2008: Canadian Institute of Planners, National Policy Committee (National).

2003-2004 – 2005-2006: Southwest District of OPPI Membership Committee (Regional).

2003-2004 – 2005-2006: The Ontario Rural Council (Regional). Past-Chair

1999-2000 – 2003-2004: The Ontario Rural Council (Regional). Chair

2002-2003: OPPI Excellence in Planning Awards (Regional). Chair, Planning Studies and Reports

Committee / Task Force / Organization: Member

2000-2001: Provincial Government, Ontario Smart Growth (Regional).

1993-1994 – 2000-2001: Ontario Professional Planners Institute (National).

1997-1998: Ontario Farm Environmental Coalition (Regional). Participant on Committee to develop provincial Nutrient Management Requirement.

1990-1991: Ministry of Agriculture and Food (Regional). Participant to develop new rural human resource programs.

1989-1990: OMAF (Regional). Participant on committee to review MDS criteria of the Agricultural Code of Practice. 1986 and 1990.

1985-1986: OMAF (Regional). Participant on committee to review MDS criteria of the Agricultural Code of Practice. 1986 and 1990.

1985-1986: Southwestern Ontario Chapter, Canadian Institute of Planners (National).

Conference: Discussant / Panelist

2004-2005: Minister of Agriculture., Clinton, Canada-Ontario (Regional). Agriculture and the Agri-food Industry an Environmental Perspective. Sept 15, 2004

1997-1998: Ontario Farm Environmental Coalition (Regional). Participant to solicit comments on the proposed Provincial Nutrient Management Strategy.

1988-1989 – 1995-1996: Rural Ontario Municipal Association Annual Conference. (Regional).

1990-1991: Ontario Ministry of Agriculture and Food. (Regional). Participated in discussion entitled "community Development- Perspectives from Other Ministries", at a rural community development training seminar.

1986-1987: Southwestern Ontario Planning Conference, London, Canada-Ontario (Regional). Participant in a panel discussion entitled "Community Economic Development in Urban Areas".

Conference: Moderator / Facilitator

2001-2002: Huron Stewardship Council (Regional). "Strategic Directions for the Huron Stewardship Council." March 2002.

2001-2002: Federal Perth-Middlesex Riding Association (Regional). "Ontario Farming- Policies for the Future". Invited. March 2002.

2000-2001: Maitland Trails Association (Regional). Facilitated the Development of Strategic Directions. May 2001.

1992-1993 – 1995-1996: Huron County (Regional). Facilitated strategic planning days 1993-1996.

1992-1993: Huron County Library (Regional). Facilitated strategic plan.

1991-1992: Canadian Institute of Planners, National Conference (Regional). Quebec City 1991
London 1992

1990-1991: Huron County Board of Health (Regional). Facilitated retreat for senior staff of Huron County Health Unit.

Conference: Organizing Committee

2013-2014: Southwest Economic Alliance (2013 - Port Huron), Port Huron, Michigan (International).

Conference: Session / Track / Program Chair

2015-2016 – 2016-2017: World Planning Schools Congress, Rio de Janeiro, Brazil (International). Working with 2 other people I helped to organize the rural stream for this Congress (July, 2016).

2011-2012 – 2012-2013: Association of Canadian University Planning Programs (National). Helped organize joint ACUPP/CAG convergence venue.

2007-2008 – 2009-2010: Ontario Professional Planners Institute (Regional). President (Elected)
OPPI Representative on Provincial Committee to develop an approach to Siting Large Livestock Facilities.

2005-2006 – 2006-2007: Ontario Professional Planners Institute (Regional). President-Elect

Editor: Peer Reviewed Journal

2014-2015: Guest Editor Ontario Planning Journal (Special issue on Rural Planning). Please note this is not a peer reviewed journal, but rather a professional journal oriented to the Ontario Planning Profession. (State). Solicited and edited 8 articles for inclusion in the May/June, 2015 edition of the Ontario Planning Journal (Vol 30, No. 3)

Invited Lecture / Keynote Address

2001-2002: Agricultural Policy Committee (Regional). "The Rural Community and an Evolving Agricultural Sector: Coping With Change." Invited presentation, Committee of farm leaders and Parliamentary Assistant to the Minister of Agriculture established by the Premier and the Minister of Agriculture to advise on issues related to rural and agriculture. November 19, 2001.

2001-2002: OMAFRA (Regional). presentation to Land Use Staff. "Perceptions of Large Livestock Barns". Nov. 21, 2001.

2001-2002: Centraillia Swine Research Update., Kirkton, Canada-Ontario (Regional). "The Rural Community and an Evolving Agricultural Sector." January 2002.

1995-1996: County Planning Directors (Regional). Invited presentation on subdivision approval.

1992-1993: Saugeen- 10 Steps to Community Action, Saugeen, Canada-Ontario (Regional). Invited presentation on community development.

1992-1993: Township of Bosanquet Council (Regional). Invited presentation on land use planning.

1992-1993: County of Renfrew Planning & Development Committee (Regional). Invited presentation on Economic

Development.

1989-1990: University of Guelph, Guelph, Canada-Ontario (Local). Guest Lectures

1984-1985 – 1989-1990: University of Western Ontario, London, Canada-Ontario (Local). Guest Lecture

Media

2010-2011: OMAFRA KTT, Guelph, Canada-Ontario (Regional).

2010-2011: Macleans Magazine (National).

2009-2010: Radio Interview (Regional). In September and October 2009, I was interviewed by a number of radio stations in association with the research project "Prospering with a Stable or Declining Population". Details include the following:

-Sept 5, 2009 CBC Radio interview

-Sept 11, 2009 Owen Sound Radio Station

-Oct 5- interview CKNX radio (Bob Montgomery)

2009-2010: OMAFRA Lunch and Learn (Regional).

2008-2009: Interviewed on National Television (CBC) (National). Interviewed by Mark Kelly and Suhana Marchand in capacity as President of OPPI. October 2008.

2008-2009: TVO's (Regional). Panel Participant with Steve Paikan. May 14, 2009.

2005-2006: CKNX Radio Interview (Regional). interview on Water Protection. Dec. 19, 2005.

2005-2006: Farmscape (Epsiode 2040) (Regional). Livestock Producers Encouraged to be Involved in Municipal Planning. January 23, 2006. (From Banff congress- circulated in Western Canada).

2005-2006: CKNX Radio Interview (Regional). Nutrient Management Act. March 29, 2006.

2004-2005: CKNX Radio Interview (Regional). Ontario Rural Plan. September 7, 2004.

2004-2005: CBC Radio Noon Interview. (Regional). Urban Expansion: Rural Demise- The Future of Agriculture in Ontario. Monday October 18, 2004.

2004-2005: CKNX Radio Interview (Regional). Severances in Rural Ontario. October 4, 2004.

2004-2005: CKNX Radio Interview (Regional). Huron Water Protection Steering Committee. October 4, 2004.

2004-2005: CKNX Radio Interview (Regional). Huron Water Protection Steering Committee. December 16, 2004.

2004-2005: CBC Radio Noon Interview. (Regional). The Greenbelt and Implications. February 1, 2005.

2004-2005: CKNX Radio Interview (Regional). Planning in Ohio vs. Ontario. June 13, 2005.

2004-2005: Interview Delaware, Ohio Newspaper., Delaware, Ohio (Regional). A Canadian's perspective on Planning in Ohio. June 9, 2005.

2003-2004: Town and Country TV. (Regional). Interview on "Nutrient Management- the Provincial Advisory Committee." Fall 2003, airing in 2004.

2003-2004: Town and Country TV. (Regional). Interview on "Conflict Resolution in Rural Communities." October 2003, airing in 2004.

2001-2002: CKCO TV (Regional). Interview on "The Impacts of Nutrient Management Legislation." February 21, 2002.

2001-2002: CFPL/CKNX TV. (Regional). Interview on "Nutrient Management Legislation and Municipalities." February 14, 2002.

2001-2002: Wellington County Agricultural Advisory Committee., Fergus, Canada-Ontario (Regional). "Bill 81 and Alternate Strategies to Siting Livestock Facilities: Michigan and Alberta." June 26, 2002.

2000-2001: CKCO TV (Regional). "Large Livestock Facilities and Relationship to Groundwater." November 1, 2000.

2000-2001: CBC Ontario Morning. (Regional). Interview on "Nutrient Management: Local and Provincial

Considerations." April 5, 2001.

2000-2001: Golden West Radio Manitoba (Regional). Interview on "the Changing Nature of the Rural Community." June 2001.

2000-2001: Voice of the Farmer (Regional). Newspaper article "Guelph Students Compete Against Pennsylvania's Preservation of its farmland. July 10, 2001.

Professional Consultations

2011-2012 – 2015-2016: Research Advisory Committee and Knowledge Translation, Guelph, Canada-Ontario (Regional). Every year I host a meeting of individuals interested in my various research projects. In total approximately 40 people are invited and along with my graduate students we review all of my funded projects. Comments are invited, challenges are solved and there is much communication and sharing of ideas.

Professional Presentations

2010-2011: Ontario Ministry of Agriculture, Food and Rural Affairs Community Development Branch Strategic Plan Refresh. (Regional). Rural Community Change and Implications for Today, Tomorrow and Future Generations.

2009-2010: Elements of Sustainability Practice., Town of Saugeen Shores, Canada-Ontario (Regional). Presented to the Town of Saugeen Shores. January 25, 2010.

2009-2010: Sustainability Approaches., Brockton, Canada-Ontario (Regional). Joint presentation with Maurice Nelischer to the Town of Brockton. April 20, 2010.

2008-2009: Queen's University Geography and Planning., Kingston, Canada-Ontario (Regional). Planning Solutions in Contested Rural Spaces: People, Agriculture and the Environment. February 2009.

2008-2009: Kiwanis Club of Guelph, Guelph, Canada-Ontario (Local). Healthy Communities, Local Food and Sustainable Communities. February 2009.

2008-2009: Huron South District Women's Institute, Grand Bend, Canada-Ontario (Regional). Planning for Healthy Communities and a Healthy Environment. May 2009.

2008-2009: Carolinian Canada, Woodstock, Canada-Ontario (Regional). Rural Approaches to Green Infrastructure. June 2009.

2005-2006: Huron Tourism Association. (Regional). Water Quality In Huron County- Protecting and Improving the Asset We All Share. September 2005.

2005-2006: Pine River Watershed Committee. (Regional). Agriculture, Nutrient Management And Provincial Vs. Municipal Responsibility. April 2006.

2005-2006: Pine River Watershed Committee. (Regional). Forging New Paths Together: Making A Difference By Conquering Differences. April 2006.

2005-2006: Pine River Watershed Committee. (Regional). Water Quality in Huron County- Protecting and Improving the Asset We All Share. Invited Presentation. April 2006.

2004-2005: Urban Expansion – Rural Demise: Can We Keep Farming in Ontario?, Bradford, Canada-Ontario (Regional). November 2004.

2004-2005: Grey Association for Better Planning, Owen Sound., Owen Sound, Canada-Ontario (Regional). Farmland: For Preservation or Consumption? November 2004.

2004-2005: Ministry Of Water Resources of the People's Republic of China., Guelph, Canada-Ontario (Regional). A Participatory Approach to Water Management: Irrigation Advisory Committees in Ontario. April 2005.

2003-2004: St. Mary's Rotary Club- Rural-Urban Night (Regional). The Changing Nature of Agriculture and The Rural Community: Implications For Nutrient Management Planning. April 2004.

2000-2001: Community Evolution Project, Plenary Address., Goderich, Canada-Ontario (Regional). "The Changing Landscape of Rural Ontario." October 27, 2000.

2000-2001: Orangeville Chamber of Commerce., Orangeville, Canada-Ontario (Regional). "Agriculture in the New

Rural Community." October 2001.

2000-2001: Huron-Perth Real Estate Board. (Regional). Presentation on "Agriculture in the New Rural Community." April 2001.

Professional Workshop / Courses Facilitated

2014-2015: Advanced Agricultural Leadership Program (AALP), London, Canada-Ontario (State). Facilitated summary workshop for the Advanced Agricultural Leadership Program

2009-2010: Circle Workshop. Leading Edge Summit, Hockley Valley, Canada-Ontario (Regional).

2001-2002: Ontario Agricultural Training Institute (Regional). Delivery of 6 workshops related to Nutrient Management Planning including "The Rural Context, Components of the Plan and Conflict Resolution." Delivered in Hanover and Stratford. Feb/Mar/Apr 2002

1999-2000: Bruce County Planning Department. (Regional). Presentation to residents of South Bruce on Siting Livestock Barns. November 1999.

1998-1999: Large Livestock Barns, Community Issues and the Role of the Planner (Municipality). (Regional). Development and delivery of several workshops (with several partners- May, November, 1998; December 1999; March 2000).

1998-1999: Ontario Ministry of Agriculture, Food and Rural Affairs. (Regional). Presentation to officials from Niagara, Haldimand-Norfolk, Brant & Hamilton Wentworth. Siting Livestock Barns. December 1998.

1997-1998: Ontario Soil and Crop Improvement Association (Regional). Invited to participate in the delivery of 18 workshops across the province on Nutrient Management Planning Strategy.

Reviewer: Book / Textbook

1983-1984: Ontario Geography, Toronto, Canada-Ontario (Regional). Review of The Pressure of Change in Rural Canada by Michael F. Bunce and Michael J. Troughton. Geographical Monographs. York University.

Reviewer: External Programs

2014-2015: University of Vancouver Island, Nanaimo, Canada-British Columbia (State). External reviewer of new proposed planning degree at the University of Vancouver Island (Masters).

Reviewer: Journal Article

1993-1994 – 2005-2006: Ontario Professional Planners Institute (Regional). Examiner

2004-2005: Journal of Soil and Water Conservation (Regional).

1997-1998 – 1999-2000: OPPI Excellence in Planning Awards (Regional). Juror

Reviewer: Tenure and Promotion Purposes

2012-2013: University of Saskatchewan, Saskatoon, Canada-Saskatchewan (State). I served as an external reviewer of the application for tenure for Dr. Robert Patrick who was chair of the planning program at the University of Saskatchewan.

Other Professional Service Activities

2012-2013 – 2014-2015: Chair of Rural Healthy Sustainable Communities - Gateway Rural Health Research Institute (Regional).

2012-2013 – 2013-2014: examiner - OPPI/CIP (National).

2011-2012: Provincial Committee to develop an approach to Siting Large Livestock Facilities (Regional).

Service to the Community

Community Committee: Chair

1997-1998 – 2005-2006: Lake Huron Coastal Conservation Centre

1999-2000 – 2004-2005: Nile United Church

1999-2000 – 2003-2004: Rural Ontario Council

1995-1996 – 2001-2002: Huron Stewardship Council

1996-1997: Colborne Township Mites Baseball Team, Coach

Community Committee: Member

1995-1996: Scouts Canada, Leader

1984-1985 – 1994-1995: Blyth Centre for the Arts, Member Board of Directors 1985-1989.

Member Advisory Board 1990-1995

Chairman Building Committee- Planning stage for a \$1.8 millions dollar capital expansion 1986-1987.

Vice President 1988-1989

Information Dissemination: Community

2015-2016: Economic Development in Rural Communities and Small Towns. Invited Audio Presentation to the Board of the Alberta Urban Municipalities Association (December, 2015)

2015-2016: Farming in Ontario's Greenbelt: Possibility Grows Here. Invited Community Presentation. Brant County.

2015-2016: Farming in Ontario's Greenbelt: Possibility Grows Here. Invited Community Presentation. Coburg (Northumberland County)

2014-2015: Building on Your Strengths For a Better Tomorrow. Invited Community Presentation. Bluewater, Canada-Ontario

2014-2015: Sustainable Huron Steering Committee: Healthy Rural Communities: A Tool Kit for Municipalities Linking Planning and Health Outcomes

2013-2014: 104.9 The Beach Radio Interview - June 18 (2014) - Rural Lens and Active Transportation

2013-2014: CKNX Radio Interview - June 18 (2014) - Rural Lens and Active Transportation

2013-2014: CKNX Radio Interview - December 10 (2013) - Active Transportation

2013-2014: CKNX Radio interviews (Dec 1 and 2, 2013) - Vanastra Student Project

2013-2014: Healthy Local Economies: Active Transportation: A Call to Action (Town of Goderich BIA)

2013-2014: Presentations Active Transportation (Goderich and Clinton - May, 2014)

Other Community Service Activities

2013-2014: Canadian Centre for Rural Creativity - Advisory Committee to review proposed centre to be located in Village of Blyth

2013-2014: Mediating conflict between North Huron and Morris Turnberry over fire services., In the later part of 2012 I was invited by the municipalities of North Huron and Morris-Turnberry to work with them to help resolve a major conflict that existed between them over the provision of fire services. The success that was achieved is documented in the 2 editorials attached and is one of the most rewarding acknowledgments received during my career.

Last updated by member on 03-Oct-18 (10:49 PM)

Dr. Wayne Caldwell, PhD, RPP, MCIP
Professor, Rural Planning
School of Environmental Design and Rural Development
University of Guelph
Guelph, Ontario N1G 2W1

October 24, 2018

Dear Dr. Caldwell,

I am writing to express my support for your research proposal entitled OMAFRA's *Guidelines on Permitted Uses as a tool to achieve farmland protection, farm diversification and provide economic benefit. Assessing effectiveness and identifying best practices.*

I anticipate that this project will fill important information needs for the province and rural municipalities:
• New policies on permitted uses in prime agricultural areas were introduced in the last Provincial Policy Statement, 2004 (PPS) and provincial guidelines were subsequently issued to help protect the land and provide economic opportunities for farmers. This project will assess the performance of these policies and guidelines in terms of benefits and issues for rural communities and farm operators (e.g. jobs, tax base, farm viability, compatibility issues).
• The proposed review will provide valuable insights to inform the next PPS review (2024).
• Municipalities will welcome the opportunity to learn about best practices in other jurisdictions.

Staff from my unit – Land Use and Environmental Policy - would be pleased to serve an advisory role in the project to ensure it complements provincial initiatives. I recommend that this proposal be approved. It is timely, fills a critical information need, complements provincial efforts at enabling diversification of prime agricultural areas, and involves a research team with the credibility and experience to undertake a practical and constructive review.

Sincerely,



David Cooper
Manager, Land Use and Environmental Policy Unit

Professor Wayne Caldwell
University of Guelph
Guelph Ontario N1G 2W1
VIA EMAIL ONLY

October 11, 2018

Re: OMAFRA's Guidelines on Permitted Uses on Prime Agricultural Areas as a tool to achieve farmland protection, farm diversification and provide economic benefit: Assessing effectiveness and identifying best practices

Dear Dr. Caldwell

I am writing this letter in support of the application for funding on behalf of Dr. Wayne Caldwell and the School of Environmental Design and Rural Development.

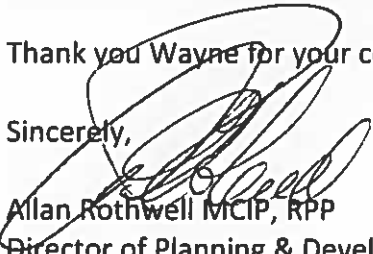
Research on the OMAFRA's Guidelines is an integral part of economic prosperity in rural Ontario. The overall aim of this initiative is to help both farmers be creative and prosperous all while protecting the prime agricultural lands.

The County of Perth has been building partnerships with county and municipal partners over the past several years. Unfortunately, these relationships have encountered very little research on rural diversification best planning practices. The successful research on farmland protection and farm diversification / economic prosperity will provide best practices from across Ontario for municipalities including the County of Perth to learn from. As we begin to work in tandem with our planning partners on this initiative it is clearly evident we need a strong knowledge leadership and direction to achieve the ultimate success. This project is very timely as the County is in the midst of developing a new County Official Plan.

The County of Perth is keen to remain active in this project by assisting you and your team make local connections with key stakeholders and additional areas as deemed appropriate by the research team. We are excited by the possibility of securing funding to support this project. Please feel free to contact me if you have any questions or concerns.

Thank you Wayne for your continued works on local planning opportunities and challenges.

Sincerely,



Allan Rothwell MCIP, RPP
Director of Planning & Development
T. 519-271-0531 x410 | C. 519-301-7189



PLANNING & DEVELOPMENT

57 Napier Street, Goderich, Ontario N7A 1W2 CANADA

Phone: 519.524.8394 Ext. 3 Fax: 519.524.5677 Toll Free: 1.888.524.8394 Ext. 3

www.huroncounty.ca

Date: October 12, 2018

To: University of Guelph

From: Sandra Weber, Director of Planning, County of Huron

Re: OMAFRA's Guidelines on Permitted Uses as a tool to achieve farmland protection, farm diversification and provide economic benefit: Assessing effectiveness and identifying best practices.

To Whom It May Concern,

I support the application for funding involving Dr. Wayne Caldwell and PhD Candidate Pam Duesling at the University of Guelph for farmland protection and diversification/ economic benefit. The overall aim of this initiative is to help farmers, planners and other related professionals to effectively plan for health in the rural environment.

Huron County Planning is also experiencing various on farm diversification opportunities, especially in the form of wedding venues, wineries and event spaces. Policy is an important aspect of strong safe community development. Huron County is interested to follow and be involved in the research component of this study at a later date through focus groups and surveys. Case studies will be an important aspect to learn from how others are enhancing prosperity in a farming community.

Huron County Planning is keen to remain active in this project by assisting Wayne and Pam make local connections with key stakeholders and additional areas as deemed appropriate by the research team. We are very excited by the possibility of securing funding to support this project. Please feel free to contact me if you have any questions or concerns.

Yours truly,

Sandra Weber
Director
Huron County Planning and Development Department
57 Napier St.
Goderich, ON
N7A 1W2



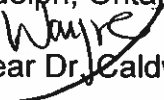
Possibility grows here.

Friends of the Greenbelt Foundation
661 Yonge St. Suite 500
Toronto, ON M4Y 1Z9

Tel: 416-960-0001
Fax: 416-960-0030
www.greenbelt.ca

October 12, 2018

Dr. Wayne Caldwell, PhD, RPP, MCIP
Director and Professor
School of Environmental Design and Rural Development
University of Guelph
Guelph, Ontario N1G 2W1


Dear Dr. Caldwell,

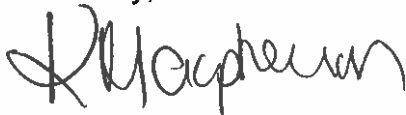
I am writing to express our strong support for your research proposal as outlined in the abstract. I understand that it will look at the effectiveness of the province's Guidelines on Permitted Uses in Prime Agricultural Areas, and identify approaches and practices that planners could use to support on-farm agriculture-related and on-farm diversified uses as well as the benefits to farmers and local communities of expanding on-farm uses.

As you know, this is a particular area of interest to us at the Foundation, given the number of farms in the Greenbelt that already have broadened their businesses to include agriculture-related and on-farm diversified uses, as well as those that might, given their proximity to a market of some 9 million people. Ensuring that the Guidelines are understood and being used by municipal staff is key to supporting the agriculture system in the Greenbelt and beyond.

We would be happy to provide any information that would help in undertaking this project, and would also share the findings of the research, including through our regular workshops and social media networks.

Please don't hesitate to contact me if there is anything further we could do to support your proposal.

Sincerely,



Kathy Macpherson
Vice President, Research and Policy



Professor Wayne Caldwell
University of Guelph
Guelph Ontario
N1G2W1

Re: OMAFRA's Guidelines on Permitted Uses as a tool to achieve farmland protection, farm diversification and provide economic benefit: Assessing effectiveness and identifying best practices

Dear Dr. Caldwell

The Corporation of the County of Prince Edward recognizes the importance of agricultural diversification to the local economy and to Ontario's continued growth and prosperity. The County of Prince Edward can identify with alternative land uses on farms including wineries, breweries and distilleries and is interesting in providing opportunities for local farmers all while preserving the agricultural lands and specifically lands with soil significance.

I have had a chance to review the abstract that you have provided. I am pleased to see that your research aims to identify the current impacts or benefits of agricultural diversification along with corresponding best practices already in place so that enhanced best practices and mitigation of impacts can be identified. I encourage you to consider expanding the scope of your study to include rural lands where crop production may be more challenging but animal systems (i.e. grazing, hay production, etc.) are common. We are supportive of this research as outlined within your abstract.

I look forward to hearing more about your research and how the County of Prince Edward can benefit.

Best wishes with your research.

Sincerely,



Mr. Paul Walsh, RPP
Manager of Planning
The Corporation of the County of Prince Edward
T: 613.476.2148 ext. 2025 | F: 613.471.2050
pwalsh@pecounty.on.ca

Professor Wayne Caldwell
University of Guelph
Guelph Ontario
N1G2W1

Re: OMAFRA's Guidelines on Permitted Uses as a tool to achieve farmland protection, farm diversification and provide economic benefit: Assessing effectiveness and identifying best practices

Dear Dr. Caldwell

I am happy to support the potential and future research of yourself and Pam Duesling on the Province's toolkit to achieving farmland protection, farm diversification and provide economic benefit to farmers.

I am a farmer in Norfolk producing primarily apples, sour cherries, cash crops, and lamb. I am also the current chair of the Norfolk County Agricultural Advisory Board. Due to Norfolk County's unique agricultural landscape we have had to be on the leading edge of new and innovative land use planning policy.

The Agriculture industry is evolving at a rapid pace and policy often lags behind. Through Pam's role with Norfolk County Planning, she has pushed policy forward to keep up with the changing needs of our industry. Pam and I share a similar passion to move Norfolk County agriculture forward and promote entrepreneurial opportunities for the next farming generation. It is essential to have a policy framework that can enable the Agriculture industry to evolve.

I am excited to hear that your future research will assist opportunities for farmers and look at specific best practices to help evolve and confirm a policy framework for agriculture and agricultural diversification in Ontario.

I support this research and hope that it contributes to a healthy policy regime for prime agricultural lands in Ontario.

Regards,

Brett Schuyler P.Ag.

Norfolk County Farmer
Norfolk County Agricultural Advisory Board Chair

Professor Wayne Caldwell
University of Guelph
Guelph Ontario
N1G2W1

October 12, 2018

Dear Dr. Caldwell

Re: OMAFRA's Guidelines on Permitted Uses as a tool to achieve farmland protection, farm diversification and provide economic benefit: Assessing effectiveness and identifying best practices by Pam Duesling

I am pleased to write a letter supporting the future PhD research opportunity of Pam Duesling on OMAFRA's Guidelines on Permitted Uses under your direction.

I am now a judge in the Ontario Superior Court of Justice in London. Previously I practiced law for approximately 30 years and was a partner at MHN Lawyers LLP in Simcoe, Ontario, a partner on a number of business ventures and involved in a number of community development initiatives.

I came to know Pam very well over the last number of years through her role as the Planning Director in Norfolk County. I have long supported the development of wineries through my involvement as President of Ontario's South Coast Wineries & Growers Association and other ecological ventures and continue to be a shareholder of Burning Kiln Winery and Long Point Eco-Adventures in Norfolk County. I truly understand the importance of balancing opportunities for farmers and rural stakeholders while also preserving the prime agricultural lands of not only Norfolk County but Ontario as well.

I understand Pam's research will be assessing the effectiveness of OMAFRA's Guidelines on Permitted Uses in Prime Agricultural Areas and support in implementation of the Provincial Policy Statement with regards to agricultural, agriculture-related and on-farm diversified uses. This research will evaluate the specific effects of policy on individual farmers within different policy regimes using a Case Study methodology and apply an evaluation framework to determine the relative merits /effects of different policy.

I support this research to keep the conversation of diversified opportunities available and open in the prime agricultural areas. This research will assist not only Norfolk County but all rural Ontario municipalities to balance the protection of prime fertile soils needed to produce crops and feed Ontario while also permitting other entrepreneurial growth to prosper economic activity necessary in rural communities.

I support the research that is being undertaken by Pam and others as well as

the dialogue, perspectives and opportunities that can be developed in this way. If you require any further information, I can be contacted at any time and would be pleased to do so.

Sincerely,

M.D. McArthur

Michael D. McArthur
58 Kingspark Crescent
London, Ontario
N6H 4C4

Cell 1-519-427-9393
Email mikemcarthur007@gmail.com

October 16, 2018

Professor Wayne Caldwell
University of Guelph
Guelph Ontario
N1G2W1

Re: OMAFRA's Guidelines on Permitted Uses as a tool to achieve farmland protection, farm diversification and provide economic benefit: Assessing effectiveness and identifying best practices

To Whom It May Concern,

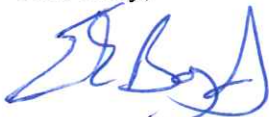
I am writing this letter in support of the application for funding on behalf of Dr. Wayne Caldwell and PhD Candidate Pam Duesling at the University of Guelph.

I am a Planning Team Lead with the Ministry of Municipal Affairs and Housing Municipal Services Office in Western Ontario and know Wayne's past research endeavors well as they have assisted many rural municipalities across Ontario. I also know Pam well as she is the Director of Planning with Norfolk County and understand her passion for rural development on prime agricultural lands. Norfolk County has endeavored many challenging entrepreneurs on prime agricultural lands and there is definitely a need to balance these growing opportunities all while preserving the fertile soils for crop production.

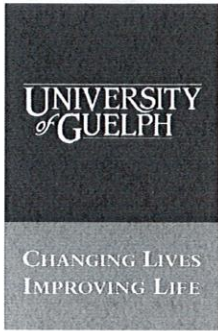
It is my understanding that this future research will assist all areas of the Province including both OMAFRA and MMAH in moving the mandate forward to protect prime agricultural lands. I look forward to this critical research being conducted and would appreciate being in contact with the undertaking and findings as the project progresses.

Thank you Wayne for your continued works on important rural planning opportunities and challenges.

Sincerely,



Erick Boyd, RPP, MCIP
Team Lead, Planning
Ministry of Municipal Affairs and Housing
Municipal Services Office – Western Ontario
E-mail - Erick.Boyd@ontario.ca
Telephone - 518-873-4025



OR-5 Form (revised June 2011) RESEARCH PROPOSAL APPROVAL FORM

Office of Research Use Only		
COMPLETE:	Date received COMPLETE:	For data entry:
OR-5 Form []		Account no.
Proposal []	Date returned to PI:	Project no.
Budget []		Sponsor code

Basic Proposal Information

External Deadline Posted by Sponsor (dd/mm/yyyy): 25-Oct-2018

Principal Investigator (or Co-Investigator, if project led by PI at another institution): Wayne Caldwell

Department/School/Centre: School of Environmental Design & Rural Development

Title of Proposed Project (max 50 chars): Guidelines on Permitted Uses: Effective Approaches

Sponsor (e.g., NSERC):
OMAFRA/U of Guelph Partnership

Program (e.g., Discovery Grant):
OMAFRA/U of Guelph Partnership

Budget Information

Exemptions (if any e.g. ARIO RSSA fees)		Please specify Indirect Costs if not 25% (grants) or 40% (contracts): <input type="checkbox"/> Maximum allowable – attach copy of published guidelines from sponsor <input type="checkbox"/> Other negotiated rate – attach approval from AVPR/VPR
All other Direct Costs of research (eligible to calculate Indirect Costs)	105,500.00	
SUBTOTAL (Exemptions + other Direct Costs)	105,500.00	
Indirect Cost Rate (either 0.25 or 0.40)	0.00%	
Indirect Costs (other Direct Costs x Rate)	0.00	
TOTAL (SUBTOTAL + Indirect Costs)	105,500.00	

Detailed Proposal Information

1. PROJECT FUNDING SOURCES

- | | Yes | No |
|---|--------------------------|-------------------------------------|
| (a) Are there previously signed agreements which may impact this proposal (for example, terms on intellectual property)? If so please specify account or agreement: | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| (b) Does this proposal depend on matching or leveraged funds from other sources? If so please provide a list of these projects (or attach separate pages): | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Sponsor and program (e.g., OMAFRA, New Directions)	Award period (e.g., 01/01/2011 to 30/12/2011)	Amount of funding (\$ CDN)	Trust account number OR OMAFRA Project #

2. RESOURCE USE

Yes No

(a) Will the proposed research make use of any OMAFRA Research Stations or Campus Animal Facilities?

If Yes, please complete and attach relevant budget templates.

(b) Is faculty release time or faculty pay requested?

If Yes, please specify:

(c) Is new construction, equipment installation, or renovation required?

If Yes, please attach cost estimate from Physical Resources.

(d) Is additional space required?

3. INTERNATIONAL RESEARCH

(a) Does this proposal involve a topic relating to another country?

OR

(b) Does this proposal involve collaborations with an institution/organization outside of Canada?

If Yes to either (a) or (b) above, or both, please specify:

Country(ies):

Project purposes:

Research	<input type="checkbox"/>	Development	<input type="checkbox"/>	Teaching	<input type="checkbox"/>	Training	<input type="checkbox"/>
Evaluation	<input type="checkbox"/>	Conference(s)	<input type="checkbox"/>	Other	<input type="checkbox"/> (please specify):		

a) Collaborating institution(s)/organization(s) and their associated countries:

Collaborating institution(s)/organization(s)	Country

Certifications

	Yes	No	Will involve at later date	Approval Obtained Protocol #	For new protocol or protocol updates, go to the relevant website link.
Live Animals	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<u>Animal Care Services</u> ext. 56632
Biohazardous Materials	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<u>Environmental Health & Safety Office</u> ext. 53190
Controlled Drugs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<u>OVC Pharmacy for Health Canada Exemption</u> ext. 54196
Drugs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<u>Drug Use Form</u> ext. 54196
Hazardous Substances	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<u>Environmental Health & Safety Office</u> ext. 56401
Human Participants	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<u>Research Ethics Services</u> ext. 58024
Radioactive Materials	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<u>Environmental Health & Safety Office</u> ext. 54888
Radiation Emitting Devices	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<u>Environmental Health & Safety Office</u> ext. 54888
Transgenic Animals/Plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<u>Research Risk Management</u> ext. 52048
OVC Health Sciences Centre Resources	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<u>OVC Health Sciences Centre</u> ext. 54102

Declaration of Financial Interest

Do you have any financial interest in the sponsor or industry partner(s) associated with this project? Yes No

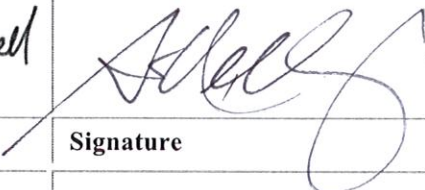
Members of the University Community have a responsibility to ensure that conflicts of interest, including financial relationships, wherever and whenever they arise, are identified and disclosed to the next person in the line of authority within the University so that the conflict situation will be addressed and, if possible, accommodated.

Department/School and College authorization below of this proposal/application verifies that such disclosure has taken place and that the conflict has been addressed.

For further information or assistance please contact the Associate Vice-President (Research Services).

Policies and guidelines that address conflicts of interest can be found in the UGFA Collective Agreement (Article 8), Guidelines on the Acceptance of Research Support, and the Policy on Responsibilities of Advisors, Advisory Committees and Graduate Students and Graduate Student-Advisor Mediation Procedures.

Signatures from PI, Department/School and College

Principal Investigator	Department Chair/ School Director (or designate)	Dean of College (or designate)	University Signing Authority
			
Signature	Signature	Signature	Signature
Wayne Caldwell Professor	Sean Kelly Director		
Print name & title	Print name & title	Print name & title	Print name & title
22-Oct-2018	22 Oct 2018		
Date	Date	Date	Date