

CURRICULUM VITAE**Bram Noble, Ph.D.**

Vice Dean Research, Scholarly & Artistic Work, College of Arts & Science
Professor, Department of Geography & Planning
Editor-in-Chief, Environmental Management, Springer Nature

<https://artsandscience.usask.ca/index.php>
<https://sites.google.com/view/bram-noble/home>

PERSONAL**DEGREES**

Ph.D., Memorial University, Department of Geography - Environmental Assessment (2002)
M.E.S., Wilfrid Laurier University, Department of Geography - Resource Management (1999)
B.A.Hons., Memorial University, Department of Geography - Resource Geography (1997)

CREDENTIALS

Certified Oil Spill Site Assessor, Canadian Coast Guard, 1998

UNIVERSITY APPOINTMENTS(S) & PROMOTIONS**Vice Dean Research, Scholarly & Artistic Work (RSAW), College of Arts & Science**

01 July 2021 – present: Arts & Science is the largest College at the University of Saskatchewan, with 21 academic departments and approximately 280 faculty members. Research activity in the College spans the natural sciences, social sciences, fine arts and humanities, and health sciences. The Vice Dean RSAW is the senior leader in the College for all RSAW-related matters, providing vision and leadership for the development and implementation of a comprehensive, integrated RSAW plan for the College on behalf of faculty, students, and other stakeholders. Major responsibilities include: vision and leadership for the College's RSAW plan; leading a team that provides RSAW support and guidance for department heads, faculty, and students; supporting external research funding applications; developing and administering mechanisms for distributing RSAW funds within the College; designing performance indicators to assess progress against the RSAW plan; in consultation with department heads, advising the Vice-Dean Faculty Relations on the recruitment of faculty and senior researchers in departments and programs; building strong RSAW partnerships with key stakeholders; fostering an environment of innovation, collaboration and creativity; in tandem with the Vice-Dean Academic, setting overall direction for graduate programming in the College.

Interim Dean, College of Arts & Science

01 July 2023 – 31 July 2023

Department Head, Acting, Geography & Planning

01 July 2018 – 30 June 2019

SSHRC Leader & Special Advisor to the Vice President Research, Office of the Vice President Research

01 July 2013 – 30 June 2018

Department Head, Acting, Geography and Planning

01 July 2013 – 30 Sept 2013

Professor, Department of Geography & Planning, University of Saskatchewan (2011 – present)

- Associate Professor, Dept. of Geography & Planning (2006 – 2011)
- Assistant Professor, Dept. of Geography & Planning (2002 – 2006)

UNIVERSITY MEMBERSHIPS & AFFILIATIONS

- The University of British Columbia, Centre for Environmental Assessment Research (2015 – present)
- Member, Global Institute for Water Security (2012 – present)
- Founding Member & Associate Professor, School of Environment & Sustainability (2008 – 2016)

TEACHING ACTIVITY

Scheduled Instructional Activity

[ENRL = enrollment; YIH = yearly instructional hours; YCSH = yearly contact student hours (ENRL x YIH)]

YR	COURSE	TYPE	ENRL	YIH	YCSH
2018-19	GEOG 386.3 Environmental Impact Assessment	Lec	15	39	585
	GEOG 490.3 Research in Physical Geography	Prc	1	39	39
2017-18	GEOG 886.3 Advanced Environmental Assessment	Sem	9	39	351
	GEOG 829.3 Professional Practice in Water Security	Sem	17	39	663
	GEOG 803.3 Research in Geography	Sem	7	39	273
2016-17	GEOG 886.3 Advanced Environmental Assessment	Sem	17	39	663
	GEOG 898.3 Professional Practice in Water Security	Sem	19	39	741
2015-16	GEOG 386.3 Environmental Impact Assessment	Sem	16	39	624
2014-15	ENVS 803.3 Research in Environment & Sustainability	Sem	16	39	624
2014-13	ENVS 803.3 Research in Environment & Sustainability	Sem	32	39	1248
2013-12	GEOG 280.3 Environmental Geography	Lec	28	39	1092
	GEOG 803.3 Research in Geography	Sem	29	39	1131
	GEOG 886.3 Advanced Environmental Assessment	Sem	19	36	684
2012-11	GEOG 280.3 Environmental Geography	Lec	77	39	3,003
	GEOG 386.3 Environmental Impact Assessment	Lec	45	39	1,755
	ENVS 803.3 Research in Environment & Sustainability	Sem	25	39	975
2011-10	GEOG 280.3 Environmental Geography	Lec	81	39	3,120
	GEOG 886.3 Advanced Environmental Assessment	Sem	12	42	504
2010-09	GEOG 386.3 Environmental Impact Assessment	Lec	37	39	1,143
	GEOG 886.3 Advanced Environmental Assessment	Sem	8	39	312
2009-08	GEOG 386.3 Environmental Impact Assessment	Lec	41	39	1,599
	GEOG 886.3 Advanced Environmental Assessment	Sem	11	42	462
2008-07	GEOG 386.3 Environmental Impact Assessment	Lec	53	39	2,067
	GEOG 486.3 Seminar in Environmental Impact Assessment	Sem	7	39	259
	GEOG 803.3 Research in Geography	Sem	12	42	504
	GEOG 847.3 Northern Development	Sem	1	30	30
	GEOG 880.3 Environmental Geography	Sem	5	20	100
2007-06	GEOG 130.3 Space, Place and Society	Lec	126	39	5,031
	GEOG 280.3 Environmental Geography	Lec	95	39	3,705
	GEOG 386.3 Environmental Impact Assessment	Lec	68	39	2,652
	GEOG 803.3 Research in Geography	Sem	10	42	420
	GEOG 886.3 Advanced Environmental Assessment	Sem	5	39	195

2006-05	GEOG 280.3 Environmental Geography	Lec	101	39	3,939
	GEOG 301.3 Quantitative Methods in Geography I	Lec	32	39	1,248
	GEOG 391.3 Field Techniques in Human Geography	Lec/Prc	7	52	364
	GEOG 486.3 Seminar in Environmental Impact Assessment	Sem	12	39	468
	GEOG 803.3 Research in Geography	Sem	12	42	504
	GEOG 886.3 Advanced Environmental Assessment	Sem	5	39	195
2005-04	GEOG 280.3 Environmental Geography	Lec	66	39	2,754
	GEOG 386.3 Environmental Impact Assessment	Lec	21	39	819
	GEOG 391.3 Field Techniques in Human Geography	Lec/Prc	6	52	312
	GEOG 803.3 Research in Geography	Sem	7	42	294
	GEOG 886.3 Advanced Environmental Assessment	Sem	4	39	156
2004-03	GEOG 113.3 Intro. to Economic Geography	Lec	144	39	5,616
	GEOG 280.3 Natural Resources Geography	Lec	34	39	1,326
	GEOG 386.3 Environmental Impact Assessment	Lec	32	39	1,248
	GEOG 491.3 Research in Human Geography	Res	1	27	27
	GEOG 898.3 Environmental Decision Making	Sem	1	27	27
2003-02	GEOG 113.3 Intro. to Economic Geography	Lec	149	39	5,811
	GEOG 280.3 Natural Resources Geography	Lec	47	39	1,833
	GEOG 490.3 Research in Physical Geography	Res	1	27	27
	GEOG 898.3 Issues in Environmental Impact Assessment	Sem	5	39	195

SUPERVISION & ADVISORY ACTIVITIES

Undergraduate Student Honours Theses

- Lukowski S. 2022. Community energy in western Canada: Government instruments guiding Indigenous community energy developments. BSc Honours thesis project, Department of Geography & Planning.
- Brinley K. 2021. Bioenergy advancement: Programs and policies. BSc Honours thesis project, Department of Geography & Planning.
- McMaster R. 2019. Comparative analysis of wind energy regulations in Canada. BSc Honours thesis project, Department of Geography & Planning.
- Coates C. 2017. Environmental impact assessment policy: Is it ready for alternative energy? BSc Undergraduate Honours Thesis, Renewable Resource Management Program.

Graduate Student Supervision

Student	Degree	Program	Topic Area	Year
Asante S	MSc	Geography	Mapping bioenergy resource availability in PBCN territory	2022 -
Islam D	MSc	Geography	Bioenergy resource assessment in PBCN territory	2022 -
Hoefler	MNGD	JSGS	Participation and engagement in mine remediation	2021 - 2022
Ekanem M	MSc	Geography	Norway's energy transition – lessons learn	2021-2023
Jaradat A	PhD	Geography	Role of youth in energy transitions	2021 -
¹ Kalke T	PhD	SENS	Energy ownership models in Alaskan communities	2021 -
¹ Lim B	MES	SENS	Energy-poverty nexus in northern and remote Indigenous communities	2021 -
¹ Norris D	MES	SENS	Energy ownership models for northern and Indigenous communities	2021 -
¹ Armagan H	MES	SENS	Coping with energy insecurity in northern and Indigenous communities	2021 -
¹ Beatty	MES	SENS	Indigenous values in community energy development	2021 -
¹ Lombardi G	MSc	Geography	Wetland impact mitigation in the mining sector	2019 -
¹ Hu B	PhD	Engineering	Smart grid optimization and machine learning for microgrids	2019 -
de Sousa Moura F	MSEM	SENS	Renewable energy toolkits for energy literacy	2019-2021
McMaster R	MSc	Geography	Capacity for community renewable energy transition in the Arctic	2019 - 2022
Leonhardt R	MSc	Geography	Government instruments for energy transition in the North	2019 - 2021
Godinho C	MSc	Geography	Impacts and mitigation solutions for wind energy developments	2018 - 2021
Dutta N	MSc	Geography	Strategic issues in impact assessments for wind energy projects	2018 - 2020
¹ Frimpong R	MSEM	SENS	Social responsibility in the mining sector in Saskatchewan and Sweden	2018 - 2020
¹ Mont'Alverne R	MES	SENS	Environmental DNA and policy	2018 - 2021
¹ Nijhum F	MSc	Geography	Ecosystem services evaluation in urban ecological planning	2018 - 2020

Thiessen B	MA	Geography	Arctic marine shipping impacts and mitigation in Nunavut	2017 - 2019
Wong L	MSc	Geography	Cumulative effects monitoring in the Northwest Territories	2016 - 2018
Cronmiller J	MSc	Geography	Cumulative environmental effects monitoring in the Lower Athabasca	2015 - 2017
Nwanekezie K	PhD	Geography	Transitions-based strategic environmental assessment	2015 - 2020
Luke L	MSc	Geography	Analysis of GHG emissions in environmental assessment	2014 - 2017
¹ Morrison A	PhD	Geography	Flood risk mitigation assessment	2013 - 2019
Nwanekezie K	MES	SENS	Energy efficiency auditing for industrial buildings	2013 - 2014
Ridsdale R	MA	Geography	Sustainable land remediation for mine sites	2012 - 2016
¹ Udofia A	PhD	SENS	Participation in environmental assessment for mining development	2012 - 2016
¹ Pavlyuk O	MES	SENS	Uncertainty analysis in Canadian environmental assessment practice	2012 - 2014
¹ Liu G	MA	Geography	Health assessment on hydroelectric projects in Manitoba	2012 - 2014
Cycyota T	MSc	Lund U.	Participation in offshore oil and gas planning and development	2012 - 2014
Acharbasam J	MA	Geography	Strategic environmental assessment effectiveness	2011 - 2013
¹ Sizo A	PhD	Geography	Applied strategic environmental assessment for urban wetlands	2011 - 2015
Basnet P	MSc	Geography	Watershed cumulative effects assessment state-of-practice	2011 - 2013
Osaruyi O	MSEM	SENS	Benchmarking CSR in Canadian oil and gas companies	2011 - 2012
¹ Higham S	MA	Poli Sci	Impact of devolution on ISR regulatory system	2010 - 2012
Ohman T	MA	Poli Sci	Strategic environmental assessment offshore Norway	2010 - 2012
White L	PhD	SENS	Strategic environmental assessment for energy futures	2009 - 2013
Fidler C	PhD	Geography	Strategic environmental assessment for offshore energy development	2009 - 2013
Rushton R	MA	Geography	Efficacy of environmental assessment in forest planning	2010 - 2012
Ahey K	MSEM	SENS	Mapping the effects of PNG well sites in Saskatchewan	2010 - 2011
Kristensen S	MA	Geography	Watershed cumulative effects assessment in the Lower Fraser	2009 - 2011
Ketilson S	MES	SENS	Regional environmental assessment for the Beaufort Sea	2009 - 2011
Sheelanere P	MA	Geography	Capacity for watershed cumulative effects assessment	2009 - 2011
Ball M	MSc	Geography	Indicators for aquatic cumulative effects assessment	2008 - 2011
¹ Richards G	MES	SENS	Barriers and solutions to wind energy development in Saskatchewan	2008 - 2010
Neilson J	MSc	Geography	Wetland assessment and mitigation for road development projects	2007 - 2010
Nasen L	MSc	Geography	Assessment of PNG well site impacts on grasslands	2007 - 2009
Birk J	MA	Geography	Community-based monitoring in Saskatchewan's uranium industry	2007 - 2009
Gunn J	PhD	Geography	Strategic environmental assessment	2005 - 2009
Christmas L	MA	Geography	Multi-criteria analysis of GHG mitigation alternative in agriculture	2004 - 2007
¹ Lynch K	MA	Geography	Urban parks and human well-being	2004 - 2007
Bronson J	MA	Geography	Integrating health in environmental assessment in the North	2003 - 2005
Macharia S	MA	Geography	Ekati diamond mine environmental assessment follow-up	2002 - 2005

¹Indicates co-supervision. The Department of Geography & Planning recognizes co-supervision of graduate students as equivalent to sole supervision.

Graduate Theses Supervised

- Ekanem M. 2023. *Institutional change in advancing energy transition: a historical perspective*. MSc Thesis. Department of Geography and Planning, University of Saskatchewan.
- Hoefer H. 2022. *Community involvement in mine remediation: Insights from Northwest Territories, Canada*. MA thesis. JSGS (Usask) and Faculty of Humanities, Social Sciences and Education (UiT Norway)
- McMaster R. 2021. *Socio-technical baseline capacity of Gwich'in communities: Energy transition opportunities*. MSc Thesis. Department of Geography and Planning, University of Saskatchewan.
- Leonhardt R. 2021. *Government instruments and community energy: Advancing energy transition in Northern and Indigenous communities*. MSc Thesis. Department of Geography and Planning, University of Saskatchewan.
- De Sousa Moura F. 2021. *Renewable energy and energy efficient toolkit*. MSEM project report. School of Environment and Sustainability, University of Saskatchewan.
- Godinho C. 2021. *Understanding the impacts of, and mitigation actions for, renewable energy projects: case study of wind energy in western Canada*. MSc Thesis. Department of Geography and Planning, University of Saskatchewan.
- Mont'Alverne R. 2021. *Difficulties and opportunities for environmental DNA applications in evaluations of aquatic environments*. MES Thesis. School of Environment and Sustainability, University of Saskatchewan.
- Dutta N. 2020. *Off-ramping strategic issues from project EA in the renewable energy sector*. MSEM project report. School of Environment and Sustainability, University of Saskatchewan.

- Frimprong R. 2020. *What is in a social license to mine? Indigenous communities, industry, and government best practices for social innovation*. MSEM project report. School of Environment and Sustainability, University of Saskatchewan.
- Nijhum F. 2020. *Evaluation of alternative scenarios of Saskatoon's northeast Swale to develop and advance an ecosystem services-based SEA framework*. MSc Thesis. Department of Geography and Planning, University of Saskatchewan.
- Nwanekezie K. 2020. *Strategic environmental assessment for energy transitions*. PhD Thesis. Department of Geography and Planning, University of Saskatchewan.
- Morrison A. 2019. *Moving from flood resistance to resilience: Still doing it the hard way in western Canada*. PhD Thesis. Department of Geography and Planning, University of Saskatchewan.
- Thiessen B. 2019. *Arctic marine shipping impacts and mitigation: Environmental assessment as a tool for knowledge brokerage*. MA Thesis. Department of Geography and Planning, University of Saskatchewan
- Wong L. 2018. *Water quality data to support cumulative effects decision-making in the Mackenzie Valley, Northwest Territories*. MSc Thesis. Department of Geography and Planning, University of Saskatchewan
- Luke L. 2017. *The effects of climate change consideration in environmental assessment: A case study of British Columbia's liquefied natural gas sector*. MSc Thesis. Department of Geography and Planning, University of Saskatchewan
- Cronmiller J. 2017. *Valued-added of environmental monitoring for cumulative effects management and decision-making in the Lower Athabasca planning region of Alberta, Canada*. MSc Thesis. Department of Geography and Planning, University of Saskatchewan
- Liu G. 2016. *Cumulative effects on human health within the hydroelectric sector: a case study of Manitoba Hydro*. MSc Thesis. Department of Geography and Planning, University of Saskatchewan
- Udofia A. 2016. *Aboriginal participation in environmental assessments for natural resource development*. PhD Thesis. School of Environment and Sustainability, University of Saskatchewan.
- Pavluk O. 2016. *Analysis of legislation and guidance for uncertainty disclosure and consideration in Canadian environmental impact assessment*. MSEM Thesis. School of Environment and Sustainability, University of Saskatchewan.
- Ridsdale R. 2015. *Assessing sustainable remediation frameworks using sustainability discourse*. MA Thesis. Department of Geography and Planning, University of Saskatchewan.
- Sizo A. 2015. *Strategic environmental assessment for wetland assessment and conservation policy development in an urban planning context*. PhD Thesis. Department of Geography and Planning, University of Saskatchewan.
- Nwanekezie K. 2014. *Advancing energy efficiency. A case study of the co-op food distribution centre in Saskatoon, Canada*. MSEM Thesis. School of Environment and Sustainability. University of Saskatchewan.
- Cycyota T. 2014. *Out of sight, out of mind? Public participation in strategic environmental assessment for offshore oil and gas development in Atlantic Canada*. MSc Thesis. Lund University, Policy and Management. Primary Supervisor.
- Fidler C. 2013. *Arctic offshore oil and gas development: Advancing the efficacy of environmental management through regional strategic environmental assessment*. PhD Thesis. Department of Geography and Planning. University of Saskatchewan
- White L. 2013. *Sustainable energy futures: Toward an integrated strategic environmental assessment process for energy planning*. PhD Thesis. School of Environment and Sustainability. University of Saskatchewan
- Acharibson J. 2013. *Efficacy of strategic environmental assessment in Canada*. MA Thesis. Department of Geography and Planning. University of Saskatchewan.
- Basnet P. 2013. *Assessment of the capacity for watershed cumulative effects assessment and management in the South Saskatchewan Watershed, Canada*. MSc Thesis. Department of Geography and Planning. University of Saskatchewan.
- Rushton R. 2012. *Efficacy of environmental impact assessment in the Saskatchewan forest resource sector*. MA Thesis. Department of Geography and Planning. University of Saskatchewan.
- Ohman T. 2012. *Strategic environmental assessment in Norway's offshore oil and gas sector*. MA Thesis Department of Political Studies, University of Saskatchewan.
- Higham S. 2012. *The impact of devolution on the regulatory regime of the Inuvialuit Settlement Region*. MA Thesis. Department of Political Studies, University of Saskatchewan. (Co-supervisor: Greg Poelzer)
- Osaruyi OE. 2012. *Benchmarking corporate sustainability reporting in Canadian oil and gas companies*. MSEM Thesis. School of Environment and Sustainability, University of Saskatchewan.

- Kristensen S. 2011. *Capacity for cumulative effects assessment in the Lower Fraser River basin, British Columbia, Canada*. MSc. Thesis. Department of Geography & Planning, University of Saskatchewan
- Ahey K. 2011. *Evaluation of cumulative effects assessment practices for petroleum and natural gas well developments in southern Saskatchewan*. MSEM Thesis. School of Environment and Sustainability, University of Saskatchewan.
- Ketilson S. 2011. *Strategic environmental assessment roles and stakes for Arctic energy development*. MES Thesis. School of Environment and Sustainability, University of Saskatchewan.
- Ball M. 2011. *Scaling-up valued ecosystem components for use in watershed cumulative effects assessment*. MSc Thesis. Department of Geography and Planning, University of Saskatchewan. Co-supervisor: M. Dube
- Richards G. 2011. *Complexity as a cause of environmental inaction: Case studies of large scale wind energy development in Saskatchewan*. MES Thesis. School of Environment and Sustainability, University of Saskatchewan.
- Sheelanere P. 2010. *Institutional requirements for watershed cumulative effects assessment in the South Saskatchewan watershed*. MES Thesis. School of Environment and Sustainability, University of Saskatchewan.
- Neilsen J. 2010. *A cumulative effects approach to wetland mitigation*. MSc Thesis. Department of Geography and Planning, University of Saskatchewan.
- Nasen L. 2009. *Environmental effects assessment of oil and gas activity on a grassland ecosystem*. MSc Thesis. Department of Geography and Planning, University of Saskatchewan
- Birk J. 2009. *The relationship between environmental agreements and environmental impact assessment follow-up in Saskatchewan's uranium Industry*. MSc Thesis. Department of Geography and Planning, University of Saskatchewan.
- Harriman Gunn J. 2009. *Integrating strategic environmental assessment and cumulative effects assessment in Canada*. PhD Thesis. Department of Geography and Planning, University of Saskatchewan.
- Christmas L. 2007. *A Strategic framework for social impact assessment: An application to greenhouse gas mitigation strategies in Canadian prairie agriculture*. MA Thesis. Department of Geography, University of Saskatchewan.
- Lynch K. 2007. *Neighbourhood parks in Saskatoon: Contributions to perceptions of quality of life*. MA Thesis. Department of Geography, University of Saskatchewan.
- Bronson J. 2005. *A State-of-practice survey of health and environmental assessment in the Canadian North*. MA Thesis Department of Geography, University of Saskatchewan.
- Macharia S. 2005. *A framework for best practice environmental impact assessment follow-up: A case study of the Ekati diamond mine, Canada*. MA Thesis Department of Geography, University of Saskatchewan.

Post-Doctoral Supervision

- Biswas S. 2023 – present. Advancing socio-technical understanding of energy transitions. Department of Geography and Planning, University of Saskatchewan.
- Mengwhani V. 2021-2023. Community appropriate energy security in northern communities. Department of Geography and Planning, University of Saskatchewan.
- Hassanzadeh, E. 2016 – 2018. Systems-based modeling of water quality values in the Qu'Appelle watershed. Global Institute for Water Security
- Mamun, M. 2018-2019. Uncertainty analysis in environmental impact terms of reference and panel decision requirements. Department of Geography and Planning

BOOKS & BOOK CHAPTERS

Books

- Noble BF.** 2021. *Environmental Impact Assessment: Guide to Principles and Practice, 4th edition*. Toronto: Oxford University Press. 306 pgs.
- Noble BF.** 2015. *Introduction to Environmental Impact Assessment: Guide to Principles and Practice, 3rd edition*. Toronto: Oxford University Press. 343 pgs.
- Hackett P, **Noble, BF**, Gunn J 2013. *Human Geography: Lab Manual, 2nd edition*. Don Mills, ON: Oxford University Press
- Noble BF.** 2010. *Introduction to Environmental Impact Assessment: Guide to Principles and Practice, 2nd edition*. Toronto: Oxford University Press. 274pgs

Noble BF. 2006. *Introduction to Environmental Impact Assessment: Guide to Principles and Practice*. Toronto: Oxford University Press. 216 pages.

Chapters in Books [* graduate student or post doc co-author]

Arnold L, Buse C, Friberg R, **Noble B**, Hanna K. 2022. Regional assessment. In K. Hanna (Ed) *Routledge Handbook of Environmental Impact Assessment*. Routledge

Noble BF. 2022. Cumulative effects assessment. In Hanna K (Ed.) *Routledge Handbook of Environmental Impact Assessment*. Routledge

Blakley J, **Noble B**, MacLean J. 2021. The scope and focus of cumulative effects and regional assessment. In Doelle M, Sinclair J (Eds.) *The New Canadian Impact Assessment Act*. Irwin.

MacLean J, **Noble B**, Blakley J. 2021. Strategic and regional environmental assessments. In Doelle M, Sinclair J (Eds.) *The New Canadian Impact Assessment Act*. Irwin.

Noble BF. 2021. Environmental impact assessment. In Desire-Tesar C, Lackenbauer P (Eds.) *Lines in the Snow: Thoughts on the Past and Future of Northern Canadian Policy Issues*. Ottawa: CARC.

Noble BF. 2021. Strategic environmental assessment in Canada. In Fischer T, Gonzalez A. (Ed.), *Handbook on Strategic environmental Assessment*. London: Edward Elgar Publishing Ltd.

Noble BF. 2020. The relationship between Indigenous-industry agreements and impact assessment: Enhanced credibility and collaboration, or undermining the review process? In Odumosu-Ayanu I, Newman D. (Eds.), *Indigenous-Industry Agreements, Natural Resources, and the Law*. Routledge.

Noble BF, Blakley J. 2021. Assessing cumulative effects in strategic and regional-scale assessment. In Blakley J, Franks D (Eds.) *Handbook of Cumulative Impact Assessment*. Edward Elgar.

Hansen AM, Larsen SV, **Noble BF.** 2018. Social and environmental impact assessments in the Arctic. In M Nuttall et al. (eds.), *The Routledge Handbook of the Polar Regions*. Routledge

Noble BF, Hanna K, Blakley J. 2018. Northern environmental assessment. In *Resources and Sustainable Development in the Arctic*. C Southcott et al. (eds.). Taylor and Francis. <https://doi.org/10.4324/9781351019101>

Noble BF. 2018. Uncertainty in environmental impact assessment: out of sight, out of mind? Guest Statement, in *Resource and Environmental Management, 3rd edition*. B. Mitchell (ed.) Oxford University Press

Noble BF. 2017. Environmental assessment. In *Oxford Bibliographies in Environmental Science*. E. Whol (ed.), New York: Oxford University Press, 21 pgs.

Noble BF, Gunn J. 2016. Strategic environmental assessment. In K Hanna (Ed.) *Environmental Assessment: Practice and Participation*. Toronto: Oxford University Press, pp 96-121.

Westbrook CJ, **Noble BF.** 2016. Environmental assessment in Saskatchewan. In K Hanna (Ed.) *Environmental Assessment: Practice and Participation*. Toronto: Oxford University Press, pp. 340-353

*Fidler C, **Noble BF.** 2016. Advancing regional strategic environmental assessment in Canada's western Arctic: Implementation opportunities and challenges. In Fischer T (Ed.) *Progress in Environmental Assessment Policy, and Management Theory and Practice*. London: Imperial College Press, p 211-239. [This chapter is journal article reprint [Fidler and Noble 2013] adapted for book publication by the same publisher].

Noble BF 2015. Scoping out potentially significant impacts: Constraints of current regulatory-based cumulative effects assessment. In M Gillingham, C Johnson, M Parkes, G Halseth (Eds.) *The Integration Imperative: Addressing the Cumulative Environmental, Community and Health Effects of Multiple Natural Resource Developments*. New York, NY: Springer, pp. 176-181.

Gunn J, **Noble BF.** 2015. Sustainability considerations in regional environmental assessment. In A Morrison-Saunders, J Pope, A Bond (Eds.) *Sustainability Assessment Handbook*. Cheltenham, UK: Edward Elgar, pp. 79-102.

Parkins J, Bullock R, **Noble BF**, Reed M. 2015. Forests and communities on the fringe: An overview of community forestry in Alberta, Saskatchewan and Manitoba. In S Teitelbaum (Ed.) *Community Forestry in Canada: Lessons from Policy and Practice*. Vancouver: UBC Press, pp. 90-102.

Noble BF. 2015. Adaptive environmental management. In B Mitchell (ed) *Resource and Environmental Management in Canada, 5th edition*. Toronto: Oxford University Press. 87-111.

- Noble BF.** 2012. Cumulative environmental effects: thinking beyond the project in environmental assessment. Guest Statement, in P. Dearden and B. Mitchell *Environmental Change and Challenge: A Canadian Perspective*, 4th Edition. Oxford University Press.
- Noble BF.** 2011. Environmental Impact Assessment. In: eLS 2011, John Wiley & Sons, Ltd: Chichester <http://www.els.net/> [DOI: 10.1002/9780470015902.a0003253.pub2]
- Noble BF.** 2010. Applying Adaptive Environmental Management. In B. Mitchell (ed.), *Resource and Environmental Management in Canada: Addressing Conflict and Uncertainty 4th Edition*. Toronto: Oxford University Press.
- Noble BF,** Harriman Gunn J. 2009. Strategic Environmental Assessment, in K. Hanna (ed.) *Environmental Impact Assessment: Practice and Participation 2nd Edition*. Oxford University Press.
- Noble BF.** 2009. From projects to priorities: toward a more strategic environmental assessment process. Guest Statement, in P. Dearden and B. Mitchell *Environmental Change and Challenge: A Canadian Perspective*, 3rd Edition. Oxford University Press.
- Kulshreshtha SN, **Noble BF.** 2007. Economic Geography of Agriculture in Saskatchewan. In M. Lewry (ed.) *Geography of Saskatchewan*. Regina, CPRC.
- Kulshreshtha SN, **Noble BF.** 2007. Irrigation Development. In M. Lewry (ed.) *Geography of Saskatchewan*. Regina: Canada Plains Research Centre.
- Noble BF,** Kulshreshtha SN. 2007. Community Pastures. In M. Lewry (ed.) *Geography of Saskatchewan*. Regina: Canada Plains Research Centre.
- Noble BF.** 2006. Multi-criteria decision support for energy supply assessment. In. G. Hearth (ed.), *Multi-criteria Analysis*. Hampshire, UK: Ashgate.
- Noble BF.** 2005. Strategic Impact Assessment. In K. Hanna (ed.), *Environmental Impact Assessment – Practice and Participation*. Toronto: Oxford University Press.
- Noble BF.** 2004. Applying Adaptive Environmental Management. In B. Mitchell (ed.), *Resource and Environmental Management in Canada: Addressing Conflict and Uncertainty 3rd Edition*. Toronto: Oxford University Press.
- Noble BF.** 1997. Marginality on the Great Northern Peninsula. In Bell *et al* (eds.) *CAG'97 Field Guide: Great Northern Peninsula and Southern Labrador*. Memorial University, Pp. 23-25.

PAPERS IN REFEREED JOURNALS [* = graduate student or postdoc co-author]

- Patterson, C., Torres, A., Coroi, M., Cumming, K., Hanson, M., Noble, B.F., Tabor, G.M., Treweek, J., Iglesias-Merchan, C., Jaeger, J.A.G.(2023): Pathways for improving the consideration of ecological connectivity in environmental assessment: Lessons from five case studies. *Impact Assessment and Project Appraisal*, in press. <https://doi.org/10.1080/14615517.2023.2246727>
- *Brown C., **Noble BF,** Munkittrick. K. 2023. Examination of recent hydroelectric dam projects in Canada for alignment of baseline studies, predictive modelling, and post-development monitoring phases of aquatic environmental impact assessment. *Integrate Environ Assess Manage*. Accepted, 31 July.
- *Jackson S, Poelzer GA, Poelzer GM, **Noble BF.** 2022. Mining and sustainability in the Circumpolar North: Role of government in advancing corporate social responsibility. *Environ Manage*, 17: 37-52.
- *Leonhardt R, **Noble B,** Poelzer G, Belcher K, Fitzpatrick P. 2023 Government instruments for community renewable energy in northern and Indigenous communities. *Energy Policy*, 117: doi.org/10.1016/j.enpol.2023.113560
- *McMaster R, **Noble BF,** Poelzer G, *Menghwani V. 2023. Local capacity for energy transition in northern and Indigenous communities: Analysis of Gwich'in communities in Northwest. *Arctic*. <https://doi.org/10.14430/arctic77183>
- *Menghwani V, *Wheat R, *Balicki B, Poelzer G, **Noble B,** Mansuy N. 2023. Bioenergy for community energy security in Canada. *Energies*, 16(4): doi.org/10.3390/en16041560
- Noble BF** 2023. EA simplification: Canadian processes and challenges. *Impact Assess Proj Apprais*, 41(3): 202-214. doi.org/10.1080/14615517.2023.2175503
- Poelzer G, *Frimpong R, Poelzer GM, **Noble BF.** 2023. Community as governor: Exploring the role of community between industry and government in SLO. *Environ Manage* 72: 70-83. <https://doi.org/10.1007/s00267-022-01681-0>
- *Arnold L, Hanna K, **Noble BF,** et al. 2022. Capacity needs for assessing cumulative social effects of projects. *Impact Assess Proj Apprais*, 41(1): 35-47 <https://doi.org/10.1080/14615517.2022.2112812>

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REFEREED CONFERENCE PUBLICATIONS [* = graduate student or postdoc co-author]

- Shen R, Yu Hm **Noble BF**, Zheng W, Gersher S, Phung P, Westbrook C, Belcher K, Nijhum F, Weger A, Alary R, Rutley S, Bell S. 2019. A GIS-based model of ecosystem services for the Northeast Swale in Saskatoon, Saskatchewan. Proceedings of the Spatial Knowledge Information Canada, Banff AB.
- *Leung W, **Noble BF**. 2016. Taking the pulse on uncertainty in EA: Perspectives about uncertainty location and consideration. Resilience and Sustainability: Conference proceedings of the International Association for Impact Assessment, IAIA 2016 Japan. Fargo, ND: International Association for Impact Assessment.
- *Sizo A, Bell S, **Noble BF**. 2014. Automated GIS routine for Strategic Environmental Assessment: a spatiotemporal analysis of urban and wetland change. Proceedings of Spatial Knowledge and Information Canada, vol. 2 (8pgs)
- *White L, **Noble BF**. 2012. The contribution of SEA to energy sector planning. In *Energy Future: The Role of Impact Assessment*. Proceedings of the International Association for Impact Assessment. Fargo, ND: IAIA.
- *White L, **Noble BF**. 2012. Strategic environmental assessment of electricity futures. In *Energy Future: The Role of Impact Assessment*. Proceedings of the International Association for Impact Assessment. Fargo, ND: IAIA.
- *Rushton R, **Noble BF**. 2012. Efficacy of SEA for sustainable forest management. In *Energy Future: The Role of Impact Assessment*. Proceedings of the International Association for Impact Assessment. Fargo, ND: IAIA
- *Seitz NE, Westbrook CJ, **Noble BF**. 2010. Bringing science into river systems cumulative effects assessment practice. 36th Annual Scientific Meeting of the Canadian Geophysical Union, May 31- June 4, 2010. Ottawa, Ontario, Canada.
- *Ball M, **Noble BF**. 2010. Indicators for watershed cumulative effects assessment: an analysis of environmental impact statements in the South Saskatchewan River Basin. Annual meeting of the Canadian Association of Geographers, June 1 – 5, Regina, SK
- *Fidler C, **Noble BF**. 2010 Advancing aboriginal community – corporate agreements: lessons from practice in the Canadian mining sector. Annual meeting of the Canadian Association of Geographers, June 1 – 5, Regina, SK
- *Nasen L, **Noble BF**. 2010. The status of EIA follow-up and reclamation practices for grassland oil and gas development in Saskatchewan. 2010 Conference and Annual General meeting of the Canadian Land Reclamation Association, Alberta, 24-26 February.
- *Nasen L, **Noble BF**. 2009. Environmental Effects Assessment of Oil and Gas Activity on a Semi-Native Grassland in Southwest Saskatchewan. *Proceedings of the 2009 Annual General Meeting and Conference: Canadian Land Reclamation Association*, August 23-25, Quebec City, Quebec.
- *Christmas L, **Noble BF**. 2006. Implications of One-size-fits-all Policy Solutions for GHG Mitigation in Canadian Agriculture. Association of American Geographers, Chicago, IL.
- Noble BF**. 2005. Stakeholder-based decision support for SEA: a case study of greenhouse gas mitigation in Canadian agriculture. *Ethics and Quality*. Proceedings of the 25th annual conference of the International Association for Impact Assessment. Boston, M.A.
- Noble BF**. 2004. Environmental, regional, and strategic assessment – Canadian perspective. Presentation and speaker notes published in proceedings of an international workshop *Information Session on Regional and Strategic Environmental Assessments*. May 2003, Halifax, NS: Her Majesty the Queen in Right of Canada.
- Noble BF**. 2004. SEA benefits to industry: a case study of integrated SEA in Saskatchewan’s forestry sector, Canada. *Whose Business is it?* Proceedings of the 24th annual conference of the International Association for Impact Assessment. 24-30 April, Vancouver, Canada.

PRESENTATIONS [* = graduate student or postdoc co-author]**Invited Presentations**

- Poelzer G, **Noble BF**, Holdmann G. 2023 Community appropriate sustainable energy security. Canadian Embassy, Norway.
- Noble BF**. 2022. Uncertainty in impact assessment: ignore, exhaust, defer? Network for Expertise and Dialogue for Impact Assessment (NEDIA) and International Association for Impact Assessment. Halifax, NS
- Noble BF**. 2022. Cumulative effects: principles, challenges, mindset. Workshop presentation to Nunavut Impact Review Board and Mackenzie Valley Environmental Impact Review Board. Yellowknife, NWT
- Noble BF**. 2022. Making Indigenous voices heard in environmental assessment in Canada. Indigenous Peoples, Extractive Industries, State Interactions: TriArc & IndKnow Seminar, Centre for Sami Studies, UiT The Arctic University of Norway.

- Noble BF**, Blakley J. 2022. Regional strategic environmental assessment. Presentation to Mackenzie Valley Environmental Impact Review Board and Crown and Indigenous Relations Canada. Yellowknife, NWT
- Blakley J, **Noble BF**. 2022. What works and what doesn't work in RSEA: Examples and lessons learned. Presentation to Mackenzie Valley Environmental Impact Review Board and Crown and Indigenous Relations Canada. Yellowknife, NWT
- Noble BF**. 2019. Environmental assessment and negotiated agreements: The front lines of conflict and reconciliation. Helsinki, Finland, May 27-29. How mining law and institutional practices shape Indigenous community consultations.
- Noble BF**. 2018. Regional strategic assessment: Foundations and principles for advancing a NWT model. Mackenzie Valley Environmental Impact Review Board. Yellowknife, NWT
- Noble BF**, Hanna K, Arnold L, Wong L. 2018. Assessing regulator's information needs to make decisions regarding cumulative effects under the Mackenzie Valley Resource Management Act. NWT Environmental Research and Monitoring Results Workshop. Yellowknife, NWT.
- Noble BF**, Hanna K. 2018. Advancing the state of CE monitoring and data to support decision maker needs. NWT Cumulative Impact Monitoring program. Yellowknife, NWT.
- Noble BF**. 2018. Negotiating the IBA-EA relationship. Lulea University of Technology, Lulea, Sweden.
- Noble, BF**. 2018. Careers in renewables. Education panel chair First Nations Power Authority Indigenous Green Energy Forum. Saskatoon, SK, 21 November.
- Noble BF. 2018**. Cumulative effects frameworks: Decision support role(s). Presentation to Government of the Northwest Territories – Environment and Natural Resources, and Mackenzie Valley Environmental Impact Review Board. Yellowknife, NWT: 07 Feb
- Noble BF**. 2018. High quality assessment input. Presentation to Yukon Major Projects Management Office, Ministries, and Environmental Assessment Board, YT: 06 June
- Noble BF**. 2018. Reshaping the future: Elk Valley cumulative effects framework. Keynote, Elk Valley Cumulative Effects Framework Open House. Cranbrook, BC: 30 Jan
- Noble BF**. 2017. Strategy-based strategic environmental assessment. Environment and Climate Change Canada SEA Community of Practice Working Group, Ottawa, ON: 04 July
- Noble BF**. 2017. Cumulative effects frameworks. Presentation to Government of the Northwest Territories cumulative effects development team. Yellowknife, NWT: 01 Sept
- Noble BF**. 2017. Cumulative effects assessment: components and indicators. Presentation to Government of the Northwest Territories cumulative effects development team. Yellowknife, NWT: 02 Nov.
- Noble BF** 2017. The relationship between negotiated agreements and environmental assessment: enhanced credibility and collaboration, or undermining the project review process? Law and Politics of Indigenous-Industry Agreements Workshop. SK: 14 Oct.
- Creed I, Poelzer G, **Noble BF**, Beatty B, Belcher K, Chung T, Loring P. 2017. Reimagining energy in the North: Developing solutions for improving renewable energy security in northern communities. American Geophysical Union. New Orleans: 11 Dec.
- Noble BF**. 2017. Learning to listen: Aboriginal participation in EA. Montreal, QC: International Association for Impact Assessment – Canadian Environmental Assessment Agency Special Panel on the Implication of the United Nations Declaration on the Rights of Indigenous Peoples.
- Noble BF**. 2017. Cumulative effects frameworks: snapshots from practice and key considerations for scoping valued components and indicators. Yellowknife, NWT: Government of the Northwest Territories Workshop on Cumulative Effects.
- Noble BF**. 2017. So, you're thinking about an academic career in impact assessment? Impact assessment trends, prospects and career success. Montreal, QC: International Association for Impact Assessment – Student and Young Professional Forum, Keynote.
- Noble BF**. 2016. Environmental assessment reform. Plenary panel. Ontario Association for Impact Assessment, Toronto, ON, Oct 2016
- Noble BF**. 2016. Cumulative effects assessment: Good practices. James Bay Advisory Committee on the Environment, Cumulative effects workshop, Montreal, QC, Sept 2016
- Noble BF**. 2016. Cumulative effects assessment – big data challenges. Concordia University, Montreal, QC, Nov 2016

- Noble BF.** 2016. Environmental assessment: On the front lines of conflict and reconciliation. University of British Columbia, Vancouver, BC, Aug 2016
- Noble BF.** 2016. The challenges and hope of regional cumulative effects assessment. Canadian Institute Energy Groups Cumulative Effects and the Future of Natural Resource Management. Vancouver, BC, March 2-3.
- Chetkiewicz C, **Noble BF.** 2016. Regional strategic environmental assessment: Opportunities and challenges in northern Ontario and across Canada. Environmental Assessment Summit – West Coast Environmental Law. Ottawa, Ontario, May 1-3.
- Noble BF.** 2016. The state of knowledge regarding significance determination. Invited presentation to the Yukon Environmental and Socioeconomic Assessment Board. Whitehorse, YT, February 2nd.
- Noble BF.** 2015. Approaching climate change in strategic EA in Canada: Observations from practice. Ontario Association for Impact Assessment. Toronto ON, Oct 21-22.
- Noble BF.** 2015. Regional strategic assessment: Principles and pre-requisites. Calgary, AB: Boreal Leadership Council.
- Noble BF.** 2015. Regional assessment: lessons from out west. Toronto, ON: Ontario Ministry of Northern Development and Mines, Ontario Ministry of Natural Resources and Forestry, and Ontario Ministry of Environment and Climate Change.
- Noble BF** 2014. Strategic environmental assessment in Canada: Lessons learned and opportunities for advancement. Ottawa, ON. Environment Canada, Strategic Policy Branch.
- Ridsdale R, **Noble BF.** 2014. How sustainable is sustainable remediation? Saskatchewan Mining Association. Saskatoon, SK.
- Noble BF.** 2014. Multi-stakeholder perspectives on the future of cumulative effects assessment and management: Thought-leader's roundtable. Canadian Institute Energy Group – Cumulative Effects Assessment and Management Conference. Nov 18-19, Edmonton, AB.
- Noble BF.** 2014. The assessment and management of cumulative effects in Saskatchewan: Lessons for implementation and practice. Joint University of British Columbia – Ministry of Forests, Lands, Natural Resource Operations Workshop of the Cumulative Effects Framework for British Columbia. 26 June. Kelowna, BC.
- Noble BF.** 2014. Cumulative effects framework for the Fort Nelson First Nation. Fort Nelson First Nation and Government of British Columbia G2G Meeting. Victoria, BC.
- Noble BF,** Gunn J. 2014. Uncertainty disclosure and consideration in EA: An agenda for research and practice. Concordia University, Department of Geography, Planning and Environment. Invited lecture.
- Noble BF.** 2014. Strategic environmental assessment practice: lessons learned and opportunities for advancement. Environment Canada, Hull Quebec.
- Noble BF.** 2013. Requisites for regional cumulative effects assessment and management. IAIA Calgary AB. Invited Theme Forum on Cumulative Environmental Effects Assessment: The Next Generation
- Noble BF.** 2013. Principles for cumulative effects indicator selection and baseline assessment. Elk Valley Cumulative Effects Management Framework Workshop, Cranbrook, BC.
- Noble BF.** 2012. Cumulative effects assessment and management: good principles and lessons from practice. Invited workshop presentation. Elk Valley Cumulative Effects Management Working Group. Cranbrook, BC
- Noble BF.** 2011. Environmental assessment: state of the art. Invited workshop address. Concordia University EA Graduate Program 10th year anniversary. Concordia University, Montreal, 25 March 2011.
- Noble BF.** 2011. Environmental assessment: where to go from here? Invited keynote address. Concordia University EA Graduate Program 10th year anniversary. Concordia University, Montreal, 25 March 2011.
- Noble BF.** 2011. Cumulative effects assessment for integrated land use planning: Principles, practices, and lessons learnt. Invited presentation. Ontario Ministry of Natural Resources workshop on cumulative effects assessment. Toronto, ON, 26-27 January.
- Noble BF.** 2010. Watershed cumulative effects assessment. Integrated Water Resources Management in Indigenous Communities Research Forum, 25-28 October. Saskatoon, SK, Canada
- Noble BF.** 2010. Cumulative environmental effects and the tyranny of small decisions. Natural Resource and Environmental Studies Institute Annual Lecture. University of Northern British Columbia.
- Noble BF.** 2010. Comfort monitoring? Privatization and environmental assessment follow-up in Saskatchewan's uranium mining industry. Natural Resource and Environmental Studies Institute Research Colloquium Series. University of Northern British Columbia.

- Noble BF.** 2010. Strategic environmental assessment state of the art. Presentation to the Canadian Environmental Assessment Agency, workshop on strategic environmental assessment. Ottawa, ON.
- Noble BF.** 2009. Evaluating the efficacy of strategic EA: lessons from a national review of Canadian systems and practices. International workshop of the Effectiveness of Environmental Assessment. Swedish EIA Centre, Uppsala, Sweden, 5 – 7 October 2009.
- Noble BF.** 2009. Regional Strategic Environmental Assessment. *Keynote address*, World Wildlife Fund, Workshop of Regional Strategic Environmental Assessment, Ottawa, ON
- Noble BF.** 2008. Regional Environmental Assessment: Concept, Scope, Applications. Invited workshop presentation to Cameo Corporation and Areva Resources, Saskatoon.
- ¹**Noble BF.** Duinker P. 2008. Perspectives on Cumulative Effects Assessment: Toward a Watershed-based Approach. Aquatic Toxicity Workshop, Saskatoon, SK.
- Noble BF.** 2007. Circumpolar Studies: Advancing the Environmental Assessment Agenda. Invited workshop presentation to the Canadian Environmental Assessment Agency, Regional Environmental Assessment Advisory Committee, Saskatoon, SK.
- Noble BF.** 2005. Model Strategic Environmental Assessment Framework for the Great Sand Hills Regional Environmental Study. Presentation to Saskatchewan Environment and the GSH Scientific Advisory Committee. Regina, Saskatchewan.
- Noble BF.** 2003. Defining the Process: Project, Regional, and Strategic Environmental Assessment. Environment Canada International Environmental Impact Assessment Workshop, May, Halifax, Nova Scotia.

Contributed Presentations

- *Brown C, Noble BF, Munkittrick K. 2023 Using a fish's perspective of Ecosystem Services to evaluate post-development monitoring effectiveness to detect change in Environmental Impact Assessment. ALSO Aquatic Science Meeting 'Resilience and recover in aquatic systems'. 4-9 June. Palma De Mallorca, Spain.
- *Lombardi Garbelini G, Westbrook C, Noble B. 2022. Environmental assessment as a tool for managing impacts on wetlands. International Association for Impact Assessment AGM, Vancouver Canada.
- *Shen R, Yu Hm **Noble BF**, Zheng W, Gersher S, Phung P, Westbrook C, Belcher K, Nijhum F, Weger A, Alary R, Rutley S, Bell S. 2019. A GIS-based model of ecosystem services for the Northeast Swale in Saskatoon, Saskatchewan. Spatial Knowledge Information Canada, Banff AB
- Noble BF. 2018. Water quality data to support cumulative effects monitoring and decision making. Ontario Association for Impact Assessment. Toronto ON, October
- *Peltz N, Hanna K, Noble B 2018. Gaps in marine baseline data and the role of local and Inuit knowledge in the Nunavut Environmental Assessment Process. ACUNS
- *Thiessen B. Noble B, Hanna K. 2018. Understanding Arctic marine shipping impacts and mitigation: Impact assessment as a tool for knowledge brokerage. ACUNS
- *Dibo A, Sanchez L, **Noble BF.** 2018. Improving project-based CEA in Canada for biodiversity. International Association for Impact Assessment AGM: Durban SA.
- Noble BF.** 2017. Uncertainty in EA: Provisions and practices. Montreal, QC: International Association for Impact Assessment
- *Hassanzadeh E, Strickert G, **Noble BF**, Baulch H, Lindenschmidt K. 2017. Socio-hydrology component of water quality modelling in the Qu'Appelle River Valley. Vancouver, BC: CGU-CSAFM Scientific Meeting.
- *Cronmiller J, **Noble BF.** 2016 The value added of environmental monitoring to cumulative effects management in the lower Athabasca region of Alberta, Canada. Saskatchewan Mining Association Forum. Saskatoon, SK.
- Gunn J, *Crowley C, Jaeger J, **Noble BF.** 2016. Improving uncertainty communication in EA. Resilience and Sustainability – AGM of the International Association for Impact Assessment. 11-14 May. Aichi-Nagoya, Japan.
- *Leung W, **Noble BF**, Jaeger J, Gunn J. 2016. Assessing environmental impacts with compliance gaps. Resilience and Sustainability – AGM of the International Association for Impact Assessment. 11-14 May. Aichi-Nagoya, Japan.
- *Udofia A, **Noble BF**, Poelzer G. 2015. Aboriginal peoples' participation in environmental assessment: Stakeholder perceptions of the state of practice for uranium exploration in northern Saskatchewan. AGM of the Canadian Association of Geographers, Vancouver BC

- *Leung W, **Noble BF**, Gunn J, Jaeger J. 2015. Practitioner survey of uncertainty communication and disclosure in environmental assessment in Canada. AGM of the Canadian Association of Geographers, Vancouver BC
- *Luke L, **Noble BF**. 2015. The impact of climate change considerations in environmental assessment: BC's natural gas sector. Seventh International Conference on Climate Change: Impacts and Responses, April, Vancouver BC
- Fischer T, **Noble BF**. 2015. Impact assessment research: Achievements, gaps, challenges. Paper presentation, 'But is it any good? The search for quality in impact assessment' Annual meeting of the International Association for Impact Assessment, April, Florence, Italy
- *Ridsdale R, **Noble BF**. 2014. How sustainable is sustainable remediation in the context of brownfield development? CABERNET 2014: Tailored and Sustainable Redevelopment towards zero Brownfields. 4th International Conference on Managing Urban Land. Frankfurt, Germany.
- *Ridsdale R, **Noble BF**, Sanscartier D. 2014. How sustainable is 'sustainable' remediation? Federal Contaminated Sites National Workshop, 14-16, Ottawa, ON
- Noble BF**, *Fidler CF. 2013. SEA opportunities and constraints in the western Arctic. International Association for Impact Assessment, Calgary AB
- *White L, **Noble BF**. 2013. Strategic environmental assessment for sustainability in energy sector planning. International Association for Impact Assessment, Calgary AB
- Gunn JAE, **Noble BF**. 2013. What is a reasonable standard of practice for CEA in impact assessment? A critical review of the Bipole III Manitoba Hydro transmission line project. International Association for Impact Assessment, Calgary AB
- Hanna K, **Noble BF**. 2013. Criteria for effective EA, a Delphi study. International Association for Impact Assessment, Calgary AB
- *Gregg B, Hanna K, **Noble BF**. 2013. Predicting CEAA's performance and impact. International Association for Impact Assessment, Calgary AB
- Noble BF**, *Fidler C. 2012. Industry-Indigenous Community Corporate Agreements; Lessons from Practice in the Canadian Mining Sector. Prairie Political Studies Association, September, Saskatoon, SK. Special session on mining and communities.
- Noble BF**, Hanna K, Gunn J. 2012. Understanding the effectiveness of northern environmental assessment; a gap analysis and research agenda. The Second Annual ReSDA (63) Research workshop "Bridging Gaps in Knowledge" will be held in Whitehorse, Yukon on November 21-23, 2012
- *Rushton R, **Noble BF**. 2012. The efficacy of environmental assessment in the forest resource sector: 20-year forest management planning in Saskatchewan, Canada. International Symposium on Society and Resource Management, Edmonton, AB.
- Poelzer G, **Noble BF**, *Ketilson S, Aitken A, *Fidler C. 2012. Challenges to the efficacy of environmental assessment in Canada's Beaufort Sea. International Polar Year, Montreal, QC
- Noble BF**, *Fidler C. 2012. Advancing strategic environmental assessment in Canada's Arctic offshore oil and gas sector: Lessons from Norway, Canada, and the United Kingdom. International Polar Year, Montreal, QC
- *Fidler C, **Noble BF**. 2012. Coordinating Regional Strategic Impact Assessment offshore initiatives in Canada's Beaufort Sea: A Case Study on the Current State-of-practice. International Polar Year, Montreal, QC
- Aitken A, *Ketilson S, **Noble BF**, Poelzer G, *Fidler C. 2012. Value-added of Regional and Strategic Environmental Assessment for Offshore Oil and Gas Planning and Development in Canada's Arctic. International Polar Year, Montreal, QC
- *White L, **Noble BF**. 2012. The Role and Contribution of Strategic Environmental Assessment in the Energy Sector: Best Practice Process Elements and Outcomes of Six International Case Studies. International Symposium on Society and Resource Management, Edmonton, AB
- *White L, **Noble BF**. 2012. Saskatchewan's Energy Futures: Development and Application of a Strategic Environmental Assessment Process for Electricity Sector Planning Based on Sustainability Criteria. International Symposium on Society and Resource Management, Edmonton, AB.
- Noble BF**, Patrick R. 2012. Requisites and capacity for watershed cumulative effects assessment and management in Canada. International Symposium on Society and Resource Management, Edmonton, AB
- *White L, **Noble BF**. 2012. An SEA process incorporating sustainability criteria. International Association for Impact Assessment AGM, 'Energy Future', Porto, Portugal

- *White L, **Noble BF**. 2012. The contribution of SEA to energy sector planning. International Association for Impact Assessment AGM, 'Energy Future', Porto, Portugal
- *Fidler C, **Noble BF**. 2012. Offshore SEA: lessons from Norway, Canada and the UK. International Association for Impact Assessment AGM, 'Energy Future', Porto, Portugal
- *Rushton R, **Noble BF**. 2012. The efficacy of EA for sustainable forest management. International Association for Impact Assessment AGM, 'Energy Future', Porto, Portugal.
- Patrick R. **Noble BF**. 2012. Watershed cumulative effects assessment and management in Canada: Institutional arrangements, capacity, and scale. Canadian Water Resources Association AGM, Banff, AB.
- Hanna K, **Noble BF**, Usher P. 2012. The future of environmental assessment: panel discussion. Canadian Association of Geographers AGM, Waterloo, ON
- Noble BF**. 2012. Strategic environmental assessment for Arctic energy resource planning and development: opportunities and constraints. Canadian Association of Geographers AGM, Waterloo, ON
- Patrick R, *Sheelanere P, **Noble BF**. 2011 Requisites for watershed-scale cumulative effects assessment and management. Presentation at the PCAG Annual Meeting. North Dakota, 16-18 Sept.
- Noble BF**, *Ketilson S, Aitken A. 2011. Advancing regional, strategic environmental assessment for offshore energy development in Canada's Beaufort Sea. Special session 'Technologies of oil.' AGM of the American Association of Geographers, Seattle, Washington, 12-16 April.
- Hanna K, **Noble BF**. 2011. Effective environmental assessment. Clean Energy Superpower and Environmental Assessment: Canada's Ambitions and Choices. Queen's University, Kingston, ON.
- *Ball M, **Noble BF**, Dube M. 2011. Scaling-up valued ecosystem components for watershed cumulative effects assessment. Special session 'Watershed Science and Management'. AGM of the Canadian Association of Geographers 'Our Legacy, Our Future', Calgary, AB, 29 May – 4 June.
- Noble BF**, Aitken A. 2011. Advancing environmental assessment in Canada's Arctic energy environment: Opportunities, challenges, research directions. Special session 'Arctic Energy Development: Impacts, Management, and Perspectives. AGM of the Canadian Association of Geographers 'Our Legacy, Our Future', Calgary, AB, 29 May – 4 June.
- Noble BF**. 2011 Environmental assessment retrospect and prospect. Special session 'Arctic Energy Development: Impacts, Management, and Perspectives. AGM of the Canadian Association of Geographers 'Our Legacy, Our Future', Calgary, AB, 29 May – 4 June.
- Noble BF**, *Seitz N, Westbrook CJ, Patrick R. 2011. Cumulative effects assessment for river systems: bringing science into practice. Special session 'Watershed Science and Management'. AGM of the Canadian Association of Geographers 'Our Legacy, Our Future', Calgary, AB, 29 May – 4 June.
- Patrick R, *Sheelanere P, **Noble BF**. 2011. Institutional requirements to support watershed cumulative effects assessment and monitoring in Canada. Cumulative effects assessment for river systems: bringing science into practice. Special session 'Watershed Science and Management'. AGM of the Canadian Association of Geographers 'Our Legacy, Our Future', Calgary, AB, 29 May – 4 June.
- *Chilima J, Gunn J, **Noble BF**, Patrick R. 2011. Evaluating institutional arrangements to support watershed-scale cumulative effects assessment in the Grand River Watershed, Ontario, Canada. AGM of the International Association for Impact Assessment, 'Impact Assessment and Responsible Development for Infrastructure, Business, and Industry, Puebla, Mexico, 28 May – 4 June.
- *Chilima J, Gunn J, **Noble BF**, Patrick R. 2011. Evaluating institutional "degree of readiness" to support watershed-scale cumulative effects assessment: the case of the Grand River Watershed, Ontario, Canada. Canada Water Resources Association AGM, 'Our Water – Our Life – The Most Valuable Resource', St. John's, NL. 27-30 June.
- *Ball M, **Noble BF**, Dube M. 2011. Scaling up valued ecosystem components for watershed cumulative effects assessment. Poster presentation at Connecting Water Resources 2011: Responding to the Opportunities", AGM of the Canada Water Network, Ottawa, ON February 28th to Mar 3rd
- Noble BF**, Patrick R. 2010. Watershed cumulative effects assessment. Annual meeting of the Prairie Division of the Canadian Association of Geographers, September 24-26, North Battleford, SK.
- Noble BF**. 2010. Enabling value-added SEA follow-up: a case study of Saskatchewan's forestry sector. International Association for Impact Assessment, April 6 – 11, Geneva, Switzerland.

- Noble BF**, Aitken A, Poelzer G. 2010. Regional strategic environmental assessment: Roles and stakes in Arctic oil and gas development. Poster presentation at the Inuvik Petroleum Show, Inuvik, NWT.
- Noble BF**, Gunn J. 2010. Efficacy of EA beyond the individual project. International Association for Impact Assessment, April 6 – 11, Geneva, Switzerland.
- Noble BF**, Patrick R, Dube M, *Sheelanere P, *Ball M. 2010. Toward watershed cumulative effects assessment. International Association for Impact Assessment, April 6 – 11, Geneva, Switzerland.
- Noble BF**, *Birk J. 2009. Roles and Stakes in Environmental Impact Assessment Follow-up in Saskatchewan's Uranium Mining Industry. Paper presentation at the annual meeting of the Canadian Association of Geographers, May, Ottawa, Ontario.
- *Birk J, **Noble BF**. 2009. Institutional Development of Environmental Impact Assessment Follow-up in the Saskatchewan Uranium Mining Industry. Annual Meeting of the Association of American Geographers, Las Vegas, NV
- *Nasen L, **Noble BF**. 2009. Assessing the Impact of Oil and Gas Activity on Grassland Ecosystems. Annual Meeting of the Association of American Geographers, Las Vegas, NV.
- Noble BF**, Bitter B. 2008. A Strategic Approach to Regional Cumulative Effects Assessment in the Great Sand Hills, Saskatchewan. International Association for Impact Assessment, Special Conference on Cumulative Effects Assessment, Calgary Alberta.
- Dube M, Schrier H, Westbrook S, **Noble BF**, *Duro D, *Squires A, McMaster M, Servos M. 2008. The Challenges of Aquatic Cumulative Effects Assessment: The Need to Move Beyond the Norm. Canada Water Network, Vancouver, BC.
- *Harriman J, **Noble BF**. 2008. Re-defining Cumulative Effects Assessment in the Context of Regionally-based Strategic Environmental Assessment. International Association for Impact Assessment, Special Conference on Cumulative Effects Assessment, Calgary Alberta.
- Peters E, **Noble BF**. 2007. First Nations Perspectives on the Great Sand Hills Regional Environmental Study. Aboriginal Research Exhibit, Congress of the Humanities and Social Sciences, Saskatoon, SK.
- Noble BF**, *Christmas L. 2007. Structured Strategic Environmental Assessment Frameworks: Case Application to Greenhouse Gas Mitigation Policy Options in Prairie Agriculture. Canadian Association of Geographers, Saskatoon, SK.
- *Harriman J, **Noble BF**. 2006. Conceptualizing Regional Approaches to Cumulative Effects Assessment: Project and Strategic Models. International Symposium on Society and Resource Management, Vancouver, BC.
- Noble BF**. 2005. Assessing Human Health in Canadian Northern EA: A State-of-practice Survey. Paper presentation. International Association for Impact Assessment, Boston, MA.
- Noble BF**. 2005. Stakeholder-based Decision Support for SEA: A Case Study of Greenhouse Gas Mitigation in Canadian Agriculture. Paper presentation. International Association for Impact Assessment, Boston, MA.
- *Bronson JE, **Noble BF**. 2005. The State of Health Integration in Northern Environmental Assessment: Perspectives from Northern Health Practitioners. Paper presentation. Canadian Association of Geographers Annual meeting, London, ON.
- *Christmas L, **Noble BF**. 2005. Social Impact Assessment of Greenhouse Gas Mitigation Strategies in Prairie Agriculture. Paper presentation. Canadian Association of Geographers Annual meeting, London, ON.
- Noble BF**. 2004. Improving the Practice of Socioeconomic Effects Monitoring: Lessons from the Hibernia Offshore Oilfield Platform Construction Project. Paper presentation. Prairie Division of the Canadian Association of Geographers annual meeting, Muenster, SK.
- Noble BF**, Storey K. 2004. Increasing the Value Added of EIA Follow-up: Lessons from Canadian Case Studies. Paper presentation. Environmental Studies Association of Canada, Winnipeg, MB.
- *Bronson JE, **Noble BF**. 2004. A State-of-practice Survey of Health and EA in the Canadian North. Paper presentation. Environmental Studies Association of Canada, Winnipeg, MB.
- Noble BF**. 2004. Application of Group Multi-criteria Decision Support to Canadian Electricity Supply Futures Assessment. Poster presentation. International Society for Environmental Information Sciences, Regina, SK.
- Noble BF**. 2004. SEA Benefits to Industry: A Case Study of Saskatchewan's Forest Industry. Paper presentation. International Association for Impact Assessment, Vancouver, B.C.
- Noble BF**, *Bronson JE. 2004. Addressing Human Health Impacts in EIA: Case Study Observations from Northern Canada. Paper presentation. International Association for Impact Assessment, Vancouver, BC.
- Storey K, **Noble BF**. 2004. Towards Increasing the Utility of Follow-up in Canadian EIA. Paper presentation. Paper presentation. International Association for Impact Assessment, Vancouver, BC.

- *Macharia S, **Noble BF**. 2004. Normative Principles for EIA Follow-up: A Case Study of the NWT Ekati Diamond Mine Project, Canada. Paper presentation. International Association for Impact Assessment, Vancouver, BC.
- *Bronson JE, **Noble BF**. 2004. Examining the Link Between EMSs and Environmental Performance: A Case Study of Riding Mountain National Park, Canada. Poster presentation. International Association for Impact Assessment, Vancouver, BC.
- Noble BF**. 2003. Auditing Strategic Environmental Assessment Practice in Canada. Paper presentation. Prairie Division of the Canadian Association of Geographers Annual Meeting, Gimli, MB.
- *Bronson JE, **Noble BF**. 2003. Auditing EMS Performance in Riding Mountain National Park. Paper presentation. Prairie Division of the Canadian Association of Geographers Annual Meeting, Gimli, MB.
- Noble BF**. 2003. Geographic Implications of the Resource Cycle: A Case Study of the Newfoundland Fishing Industry. Paper presentation. Canadian Association of Geographers Annual Meeting, Victoria, British Columbia.
- Noble BF**, Storey K. 2001. Towards a Structured Approach to Strategic Environmental Assessment. Paper presentation. International Association for Impact Assessment Annual Meeting, Cartagena, Colombia.
- Noble BF**. 2000. Strategic Environmental Assessment: What is it and What Makes it Strategic? Paper presentation. Canadian Association of Geographers Annual Meeting, St. Catharines, ON.
- Noble BF**. 2000. Environmental Assessment of Newfoundland Energy Policy. Paper presentation. Memorial University Interdisciplinary Science Research Meeting, St. John's, NL.

Poster Presentations

- *Wong L, **Noble BF**, Hanna K. 2018. Water quality data to support cumulative effects decision-making in the Mackenzie Valley, Northwest Territories. Western Division of the Canadian Association of Geographers AGM, Edmonton AB: 9 Mar
- *Arnold L, Hanna K, **Noble B** 2017. Cumulative impact information and environmental assessment decision-making in the Mackenzie Valley, Northwest Territories. Northwest Territories Geoscience Forum. Yellowknife NWT, November 14-16.
- *Wong L, **Noble BF**, Hanna K. 2017. Water quality data to support cumulative effects decision-making in the Mackenzie Valley, Northwest Territories. Northwest Territories Geoscience Forum. Yellowknife NWT, November 14-16.
- Strickert G, *Hassanzadeh E, **Noble BF**, Baulch H, Morales L, Lindenschmidt K, Carr M. 2017. Incorporating stakeholder viewpoints into water quality modeling and decisions. American Geophysical Union. New Orleans, Dec 11-15.
- *Morrison A, **Noble BF**, Westbrook C. 2017. Coordinating FRM governance through SEA principles. Montreal, QC: International Association for Impact Assessment
- *Cronmiller J, **Noble BF**. 2017 The Integration of environmental monitoring with cumulative effects management and decision-making in the Lower Athabasca region of Alberta, Canada. Montreal, QC: International Association for Impact Assessment.

REPORTS AND OTHER OUTPUTS [* = graduate student or postdoc co-author]

- Council of Canadian Academies, 2019. *Greater Than the Sum of Its Parts: Toward Integrated Natural Resource Management in Canada*. Ottawa (ON): The Expert Panel on the State of Knowledge and Practice of Integrated Approaches to Natural Resource Management in Canada [Doyle C, Berkes F, Boutin S, Carlson M, Dietz T, Greene G, Noble B, Olewiler N, Olson R, Olszynski M, Simpson K, Taylor I, Tremblay A]
- Noble BF** 2017. Getting the big picture: How regional assessment can pave the way for more inclusive and effective environmental assessments. Aboriginal People and Environmental Stewardship Series. Macdonald-Laurier Institute, Ottawa, ON. 34pgs
- Blakley J, Duinker P, Greig L, Hegmann G, **Noble B**. 2017. Cumulative effects assessment. FASTIPS No. 16. International Association for Impact Assessment. 2pgs.
- Noble BF** 2016. Learning to listen: Snapshots of Aboriginal participation in environmental assessment. Aboriginal People and Environmental Stewardship Series. Macdonald-Laurier Institute, Ottawa, ON.
- Hanna K, McGuigan E, **Noble B**, Parkins J. 2016. What is known about the impacts of alternative energy development? A gap analysis of impact assessment research for alternative energy development. Project report prepared in completion of reporting requirements for the SSHRC Knowledge Synthesis Grant Program. CEAR Project Report SC-16-1. Centre for Environmental Assessment Research: Kelowna, BC.

- Noble BF**, Martin J, Olagunju A. 2016. A review of the application of cumulative effects assessment in the context of Section 22 project environmental assessments conducted in the James Bay Territory. Report prepared for the James Bay Advisory Committee on the Environment. Montreal, QC. 36 pgs.
- Noble BF**, *Udofia A. 2015. *Protectors of the Land: Toward an Environmental Assessment Process that Works for Aboriginal Communities and Developers*. Ottawa ON: Macdonald-Laurier Institute.
- Noble BF**, Martin J. 2015. The state of knowledge regarding significance determination. Report commissioned by the Yukon Government, Yukon Environmental and Socio-economic Assessment Board, 48pgs.
- Noble BF**. 2014 Review of strategic environmental assessment practices including lessons learned and opportunities for advancement. Contracted report prepared for Environment Canada, agreement no. K1A50-13-9010. Hull, QC: Her Majesty the Queen in Right of Canada. 47 pgs.
- Noble BF**. 2014. Review of the approach to cumulative effects assessment in Spectra Energy's environmental assessment certificate application for the Westcoast Connector Gas Transmission Project. Commissioned report by Ratcliff and Company, on behalf of the Blueberry River First Nation, BC. 27 pgs.
- *Gunn J, **Noble BF**. 2014. Definitions for cumulative effect, cumulative effects assessment, and cumulative effects management in a Canadian context. Report commissioned by the Canadian Council of Ministers of the Environment. Winnipeg, MB: Canadian Council of Ministers of the Environment. 36 pgs.
- Patrick RJ, *Millaward W, **Noble BF**. 2013. The state of source water protection policy in Canada. *Municipal World* Nov. pg 9-12.
- Noble BF**. 2013. Review of the consideration of potential cumulative effects on the Tsea watershed. Commissioned report by Ratcliff and Company, on behalf of the Fort Nelson First Nation, for the BC Water Act Appeal, Environmental Appeal Board no. 2012-WAT-013. 12 pgs.
- Noble BF**, Gunn J. 2013. Review of KHLP's approach to the Keeyask Generation project cumulative effects assessment. Commissioned report by the Public Interest Law Centre, Manitoba, for the Public Hearing process for Manitoba Hydro's application for development of the Keeyask Generating Project. 41 pgs.
- Gunn J, **Noble BF**. 2013. Inclusion of future actions in cumulative effects assessment: good practice overview. Report prepared for Pape Salter Teillet LLP Barristers and Solicitors in the case of Ontario Power Generation's Deep Geological Repository Site Selection Process. Toronto, ON. 18 pgs.
- Noble BF**. 2012. Criteria for Ministerial decisions under sections 12.4.6 and 12.11.1 of the Nunavut Land Claims Agreement. Her Majesty the Queen in Right of Canada: Hull, Quebec.
- Noble BF**. 2012. Cumulative effects assessment: Principles, process, implementation. Report prepared for the Elk Valley Cumulative Effects Management Working Group. Cranbrook, BC.
- Noble BF**. 2013 Development of a Cumulative Effects Monitoring Framework: Review and Options Paper Report prepared for the Department of Indian Affairs and Northern Development Canada (DIAND), under a memorandum of understanding between DIAND and the University of Saskatchewan
- Gunn J, **Noble BF**. 2012 Critical review of the cumulative effects assessment undertaken by Manitoba Hydro for the Bipole III project. Report commissioned by the Public Interest law Centre, Manitoba
- Gunn J, **Noble BF**. 2013. Inclusion of future actions in cumulative effects assessment: good practice overview. Report prepared for Pape Salter Teillet LLP Barristers and Solicitors in the case of Ontario Power Generation's Deep Geological Repository Site Selection Process. Toronto, ON
- Noble BF**. 2011. *Criteria for Ministerial decisions under section 12.5.7 of the Nunavut Land Claims Agreement*. Report prepared for Aboriginal Affairs and Northern Development Canada. Her Majesty the Queen in Right of Canada: Hull, QC.
- Noble BF**. 2011. *Criteria for Ministerial Decisions under Sections 12.4.7 and 12.4.9 of the Nunavut Land Claims Agreement*. Her Majesty the Queen in Right of Canada: Ottawa, ON.
- Noble BF**. 2010. Cumulative environmental effects and the tyranny of small decisions: Toward meaningful cumulative effects assessment and management. *Natural Resources and Environmental Studies Institute Occasional Paper Series*, paper no. 7, University of Northern British Columbia, Prince George, B.C., Canada.
- Noble BF**. 2010. 'Environmental Impact Assessment'. In *Encyclopedia of Geography*. Thousand Oaks, CA: Sage.
- Noble BF**. 2010. 'Environmental Impact Statement'. In *Encyclopedia of Geography*. Thousand Oaks, CA: Sage.

- Noble BF.** 2010. 'Environmental Impact Assessment'. In *The Canadian Encyclopedia*. Ottawa, ON: Historica Foundation of Canada.
- Noble BF.** 2010. 'Strategic Environmental Assessment'. In *The Canadian Encyclopedia*. Ottawa, ON: Historica Foundation of Canada.
- Noble BF,** *Harriman J. 2008. *Strengthening the Foundation for Regional Scale Strategic Environmental Assessment in Canada*. Research report prepared for the Canadian Council of Ministers of Environment Environmental Assessment Task Group under contract agreement. CCME: Ottawa, ON.
- Noble BF,** *Harriman J. 2008. *Regional Strategic Environmental Assessment in Canada: Principles and Guidance*. Research report prepared for the Canadian Council of Ministers of Environment Environmental Assessment Task Group. CCME: Ottawa, ON.
- Noble BF,** *Harriman J. 2008. *Regional Strategic Environmental Assessment (R-SEA): Methodological Guidance and Good Practice*. Research report prepared for the Canadian Council of Ministers of Environment Environmental Assessment Task Group under contract agreement with Alberta Environment. CCME: Ottawa, ON.
- Noble BF,** *Harriman J. 2008. *A Federal Government Approach to Regional Environmental Assessment in Canada*. Research report prepared for Fisheries and Oceans Canada under contract agreement. Department of Fisheries and Oceans Canada: Ottawa, ON.
- Noble BF,** Bronson JE. 2007. *Models of Strategic Environmental Assessment in Canada*. Research report prepared for the Minister of Environment's Regional Advisory Committee, Sub-committee on Strategic Environmental Assessment. Hull: CEAA.
- Scientific Advisory Committee.** 2007. *Great Sand Hills Regional Environmental Study*. Regina, SK: Canada Plains Research Centre. 229 pp.
- Noble BF.** 2006. *Environmental Impact Assessment Follow-up Prescription and Reporting Framework: Grasslands Grazing Experiment and Reintroduction of Plains Bison, Grasslands National Park of Canada*. Technical report 5P407-C6-009. Grasslands National Park of Canada, Parks Canada Agency, Western Services Division.
- Noble BF.** 2006. Human health in environmental impact assessment. Letter to the Editor. *Arctic*, 59(2): 234-235.
- Noble BF.** 2006. *Screening for Significance in Saskatchewan Environmental Assessment*. Regina, SK: Saskatchewan Environment, Environmental Assessment Branch RE0544.
- *Harriman J, *Christmas L, **Noble BF.** 2006. *Governance Instruments and Institutional Arrangements in the Great Sand Hills Region, Saskatchewan: Governance Baseline Study Report*. Environmental assessment baseline study report prepared for the Great Sand Hills Scientific Advisory Committee under contract agreement with the University of Regina, Regina, SK, Canada.
- Peters E, **Noble BF,** *Karvellas N, *Thogerson K, *Whitehead K. 2006. *Aboriginal Use and Culture Baseline Study Report*. Environmental assessment baseline study report prepared for the Great Sand Hills Scientific Advisory Committee under contract agreement with the University of Regina, Regina, SK, Canada.
- Noble BF.** 2005. *Regional Cumulative Effects Assessment: Toward a Strategic Framework*. Research supported by the Canadian Environmental Assessment Agency's Research and Development Program. CEAA: Ottawa, ON.
- Noble BF.** 2004. *A Scoping Framework for integrated Environmental Assessment and Planning: Guidance for the Cypress Hills Forest and Fire Management Plan Center Block and Subsequent Resource Planning Initiatives*. Government of Saskatchewan, Saskatchewan Environment, Environmental Assessment Branch: Regina, SK. Contract No. RE0126
- Storey K, **Noble BF.** 2004. *Increasing the Utility of Follow-up in Canadian EA: A Review of Requirements, Concepts, and Experience*. Research supported by the Canadian Environmental Assessment Agency's Research and Development Program. Hull, Quebec: CEAA.
- Slocombe DS, **Noble BF,** Smith K. 1998. *Adaptive Management and National Park Management: An Annotated Bibliography and Review Essay*. A report prepared for Parks Canada by EDA Environment and Development Associates, Waterloo, Ontario, Canada.

RESEARCH FUNDING HISTORY

Grant or Contract	PI	Year	Amount
Mitacs & QUEST	Noble	2022-2023	\$160,000
SSHRC Partnership Grant Stage 2 Community appropriate sustainable energy security in Indigenous and Northern Communities	Noble	2019-2026	\$2,500,000 [+ \$3,304,500 from partners]
SSHRC Insight Grant Knowledge-based impact assessment for renewable energy transition	Noble	2018 - 2021	\$91,934
SSHRC Partnership Grant Stage 1 Community Appropriate Sustainable Energy Security for Indigenous and Northern Communities	Noble	2018	\$20,000
SSHRC Insight Grant Connecting cumulative effects assessment to decision making	Hanna (UBC)	2018 - 2022	\$215,975
Environment Canada Environmental Damages Fund Ecosystem services-based regional strategic environmental assessment: Framework development and a model application for Saskatoon's Northeast Swale	Noble	2017 - 2020	\$87,000
Global Innovation Fund Community appropriate energy security international partnership	Noble	2018 - 2019	\$45,000
Global Water Futures Next generation solutions to ensure healthy water resources for future generations	Giesy	2017 - 2019	\$1,391,228
Irving Shipbuilding and Nunavut Research Institute Developing a community tool-kit for advancing marine related knowledge and baseline information in environmental assessment and planning processes	Hanna (UBC)	2016 - 2019	\$124,000
SSHRC Connections Grant Renewing indigenous relations through renewable energy	Poelzer	2016 - 2017	\$24,934
NWT Cumulative Impact Monitoring Program Assessing regulators' information needs to make decision regarding cumulative effects under the Mackenzie Valley Resource Management Act	Noble	2016 - 2019	\$148,452
Environment Canada Disaster Management Fund A water quality modelling system of the Qu'Appelle River catchment for long-term water management policy development	Lindenschmidt	2016 - 2019	\$309,000
SSHRC Knowledge Synthesis Grant What is known about the impacts of alternative energy development?	Hanna (UBC)	2015 - 2016	\$23,900
SSHRC Partnership Development Grant Small nuclear innovation partnership	Rayner	2015 - 2017	\$141,590
NSERC CREATE NSERC CREATE for water security	Westbrook	2015 - 2020	\$1,650,000
SSHRC Insight Development Grant Flood risk in rural communities experiencing rapid environmental change	Noble	2014 - 2016	\$74,108
SSHRC Insight Grant Uncertainty analysis and communication in Canadian environmental impact assessment practice and decision-making	Noble	2012 - 2017	\$292,000
Mitacs & Saskatchewan Research Council	Noble	2013	\$20,000

Development of social and economic indicators for sustainable remediation			
Aboriginal Affairs and Northern Development Canada	Noble	2013	\$49,950
Development of a cumulative effects monitoring framework.			
SSHRC Canadian Environmental Issues Grant	Noble	2009 - 2012	\$201,797
Institutional arrangements for watershed-based cumulative effects assessment.			
SSHRC: Northern Communities Grant	Noble	2009 - 2012	\$109,918
Strategic environmental assessment roles and stakes in Arctic oil and gas development.			
SSHRC: Standard Grant	Hanna (UBC)	2009 - 2012	\$137,112
Effectiveness and Canadian environmental impact assessment			
SSHRC MCRI	Southcott (Lakehead)	2010 - 2014	\$2,500,000
Resources and sustainable development in the Arctic.			
Office of VP Research	Clark (UofS)	2011	\$30,000
A collaborative approach to defining water security in the South Saskatchewan River basin			
MITACS Accelerate	Poelzer (UofS)	2011	\$20,000
Issues in Northern governance and development			
Canada Water Network	Dube (UofS)	2008 - 2012	\$800,000
Development of the healthy river ecosystem assessment systems (THREATS) for assessing and adaptively managing the cumulative effects of man-made developments on Canadian freshwaters			
Office of VP Research, Research Acceleration Program	Clark (UofS)	2011	\$4,000
Cumulative effects assessment in the Champagne and Aishihik First Nations Traditional Territory, Yukon.			
Saskatchewan Health Research Foundation	Bhardwaj (UofS)	2009 - 2011	\$60,000
Safe water for health research network.			
SSHRC: Public Outreach Grants	Reed (UofS)	2009	\$26,150
Shifting sands: Shaping sustainability in northwestern Saskatchewan			
SSHRC: Northern Grants	Noble	2006 - 2008	\$37,863
Efficacy of community-based monitoring under environmental impact management agreements: Lessons from Saskatchewan's Northern Uranium Mining Industry			
Government of Saskatchewan, Saskatchewan Environment	Noble	2006 - 2007	\$12,000
Biodiversity integration in Saskatchewan strategic environmental assessment			
President's SSHRC Grant	Noble	2005	\$4,800
Geographic implications of the resource cycle in the Newfoundland fishery			
Petroleum Research Atlantic Canada	Shrimpton (Jacques Whitford Env)	2005	\$46,000
SEA policy and process issues			
Government of Saskatchewan, Ministry of Environment	GSH SAC	2005 - 2007	\$3,500,000
Great Sand Hills regional environmental study			
Government of Saskatchewan, Ministry of Environment	Diaz (UofR)	2005	\$103,120
Human capital baseline in the Great Sand Hills, Saskatchewan			
Government of Saskatchewan, Ministry of Environment	Noble	2005	\$90,694
Aboriginal use and culture in the Great Sand Hills, Saskatchewan			
Saskatchewan Environment and Resource Management	Noble	2004 - 2005	\$10,000
Building capacity in Saskatchewan provincial EA			

Canadian Environmental Assessment Agency Towards a strategic framework for regional cumulative effects assessment	Noble	2004 - 2005	\$28,000
SSHRC Standard Research Grant Towards best practice health impact assessment: An evaluation of the state of Canadian EA systems and practices	Noble	2003 - 2006	\$59,472
SSHRC BIOCAP Initiative Integrated assessment of greenhouse gas mitigation strategies	Kulshreshtha (UofS)	2003 - 2006	\$420,000
Canadian Environmental Assessment Agency Towards best-practice follow-up	Storey	2003 - 2004	\$28,000
President's SSHRC Determining significance in environmental impact assessment	Noble	2002 - 2003	\$4,900
University of Saskatchewan Start-up Operating Funds A state-of-practice survey of strategic environmental assessment	Noble	2002 - 2003	\$5,000
ISER Institute for Social and Economic Research, Memorial University of Newfoundland Strategic environmental assessment of energy policy alternatives, Newfoundland	Noble	2000 - 2002	\$2,800
Government of Newfoundland and Labrador Department of Fisheries and Aquaculture Institutional criteria for cooperative fisheries management in the Newfoundland shrimp fishery	Noble	1998	\$1,000

ADMINISTRATIVE SERVICE

[NOTE: Does not include administrative service associated with Vice Dean or Dept. Head appointments]

University Committees

- PEER, Office of the Vice-president Research, 2018 -
- Chair, U of S SSHRC Explore and Exchange, 2018
- Chair, President's SSHRC Committee, 2013 – 2018
- Banting Fellowship Committee, 2017-2018
- University Council Promotions and Appeal, 2017-2018
- Banting Fellowship Committee, 2016-2017
- Institutional Planning and Assessment, Internal Reviewer for Johnson-Shoyama Graduate School of Public Policy School Review, 2016
- OVPR, Faculty Recognition Committee, 2013 – 2015
- Member, Nominations Committee of University Council, 2014 - 2016
- Elected member, University Council, 2013 – 2016
- OVPR, Banting Fellowship Review Committee, 2013 – 2014
- Standing Member of the Student Academic Hearing and Appeals Panel, 2013 - 2016
- CGSR Academic Programs Committee, Member, 2009 – 2012
- CGSR Academic Programs Committee, Chair, 2011-12 (T1)
- CGSR Dean's Executive Committee, Member, 2011-12(T1)
- Office of VP Research SSHRC Internal Review Committee, Member, 2010
- CGSR Student Affairs Committee, Member, 2009 - Current
- Tier 1 Canada Research Chair Search Committee, 2009
- University Council, Academic Support Committee, Member, 2008 – 2011

- Global Partners Fund Committee, Member, CGSR Dean's Representative, 2004 – 2009
- President's SSHRC Committee, Member, 2006 – 2008
- College of Graduate Studies International Students Committee, 2004 – 2006

Department of Geography & Planning

- Undergraduate Committee, Member, 2011 – 2012
- Equipment Committee, Member, 2010 – Current
- Graduate Affairs Committee, Member, 2002 – Current
- Graduate Affairs Committee, Chair, 2007 – 2010
- Research Ethics Review Committee, Chair, 2006 – 2010
- Ethics Review Committee, Member, 2005 – 2006
- Salary Review Committee, Member, 2003 – 2004

School of Environment and Sustainability

- Admissions and Awards Committee, Member, 2015 - 2017
- Academic Programs Committee, Member, 2008 – 2015
- Undergraduate Certificate in Sustainability Program Committee, Member, 2013 – 2015
- Tenure and Promotions Committee, member, 2011 – 2012
- Academic Programs Committee, Chair, 2011-12 (T2)
- Interdisciplinary Research Committee, 2010 - Current
- CRC Tier 1 Search Committee, Member, 2009 – 2010

College of Arts and Science

- Sabbatical Leave Committee, 2015 – 2016
- College Review Committee, 2014
- Dean's Advisory Committee, 2012 – 2013
- Academic Programs Committee, Chair, 2006 – 2007
- Land Use and Environmental Studies Programs Committee, Member, 2003 – 2007
- Academic Programs Committee, Member, 2004 – 2006

PROFESSIONAL AND ASSOCIATION OFFICES AND COMMITTEE ACTIVITY OUTSIDE UNIVERSITY

SSHRC

- Adjudication Committee, Insight Grants Competition, 2018-19; 19-20; 22-23

Canadian Council of Academies

- Expert Panel, Integrated Natural Resource Management

Journal Editorship

- **Editor-in-Chief**, *Environmental Management*, 2020 - present
- **Associate Editor**, *Journal of Environmental Assessment Policy and Management*, 2009 - 2015
- **Associate Editor**, *Environmental Management*, 2015 – 2020
- **Editorial Board Member**, *Impact Assessment and Project Appraisal*, 2016 - present
- **Editorial Board Member**, *Environmental Management*, 2013 - 2014
- **Editorial Board Member**, *Environmental Impact Assessment Review*, 2007 – present
- **Associate Editor**, *Environments*, 2006 – 2009

Association Memberships

- Member, International Association for Impact Assessment, 2002 – present
- Member, Canadian Association of Geographers, 2002 – 2012
- Member, Great Sand Hills Scientific Advisory Committee, 2004 – 2007
- Member, International Society for Informatics, 2004 – 2007
- Member, Environmental Studies Association of Canada, 2002 – 2005
- Member, United Nations Environmental Protection Division Oil and Gas Forum, 2001 – 2002

Conference Organization and Chair Roles

2016-17

- Conference Committee, AGM of the International Association for Impact Assessment, Montreal, QC, April 2017 [~1,000 delegates from 75 countries]

2010-11

- Session co-organizer (paper session) – Arctic Energy Development: Impacts, Management, and Perspectives, AGM of the Canadian Association of Geographers, with Alec Aitken, University of Saskatchewan. Calgary, AB, May 30 – June 4.
- Session co-organizer (paper session) – ‘Watershed Science and Management’. AGM of the Canadian Association of Geographers ‘Our Legacy, Our Future’, Calgary, AB, 29 May – 4 June.

2009-10

- Session co-organizer (paper session) - Impact Assessment and Forest Management, International Association for Impact Assessment, Geneva, Switzerland, with Kevin Hanna, Wilfrid Laurier University and Ismo Polonen, Joensuu University Finland
- Session co-organizer (panel discussion): Efficacy of Environmental Assessment, International Association for Impact Assessment, Geneva, Switzerland

2008-09

- Session co-chair, Cumulative effects Assessment, Aquatic Toxicity Workshop, SK

2006-07

- Conference organizing committee, Canadian Association of Geographers annual general meeting, Saskatoon, SK.

2004-05

- Conference organizer, Prairie Division of the Canadian Association of Geographers, Muenster, SK
- Session co-organizer (with A. Morrison-Saunders, Murdoch University, Australia and J. Arts, Netherlands Ministry of Environment and Transport): Environmental Impact Assessment Follow-up, International Association for Impact Assessment, Boston, MA
- Session chair: HIA Policy and Planning, International Association for Impact Assessment, Boston, MA
- Session chair: EIA Follow-up in Current Practice, International Association for Impact Assessment, Boston, MA
- Session chair: SEA Techniques and Methods, International Association for Impact Assessment, Boston, MA
- Session chair: Environmental Data and Information Management, International Society for Environmental Information Sciences, Regina, SK
- Session chair: Learning and Sustainability, Prairie Division of the Canadian Association of Geographers, Muenster, SK

PUBLIC & COMMUNITY CONTRIBUTIONS

University Related

- Expert advisor to the Ontario Auditor General on the 2016 provincial audit of the Ontario environmental assessment system and Environmental Assessment Act. 2016

- National Energy Board, Participant Funding Review Committee, Line 9B Pipeline Project, Member, 2014 – 2015
- National Energy Board, Participant Funding Review Committee, Enbridge Line 3 Pipeline Project, Member, 2014 – 2015
- Consultant to James Bay Quebec Advisory Committee on the Environment on the state of cumulative effects considerations in section 22 reviews under the James Bay Quebec Environmental Assessment Regulations. 2015
- Consultant to the Canadian Environmental Assessment Agency, in collaboration with Stantec Consulting and ESSA technologies, to develop cumulative effects assessment practitioner guidance under the *Canadian Environmental Assessment Act, 2012*, 2014-15
- National Energy Board, Participant Funding Review Committee, Kinder-Morgan Pipeline Project, Member, 2012 – 2014
- Advisor, Auditor General of British Columbia 2014-15 Cumulative Effects Audit, 2014 – 2015
- Expert witness on cumulative effects for the Public Interest law Centre of Manitoba. Public Hearing for Manitoba Hydro's Keeyask Hydroelectric Generation Project Environmental Assessment. 2014
- Expert advisor to Fort Nelson First Nation on the development of a cumulative effects assessment framework and governance model for the Fort Nelson First Nation Traditional Territory. 2013
- Expert advisor to the Blueberry River First Nation on the cumulative effects of Spectra Energy's Westcoast Connector LNG Pipeline Project. 2012-13
- Expert Witness, Manitoba Public Interest Law Centre. Manitoba Clean Environment Commission Public Hearing for the Bipole III Hydroelectric Transmission Line Project, 2012.
- Media Interview: *Macdonald-Laurier Institute*: 'Environmental assessment and indigenous engagement', 2012
- Media Interview: *StarPhoenix* interview: 'Health of the South Saskatchewan', 2012
- Media Interview: *CBC Radio Inuvik* interview: 'Offshore development in the Beaufort', 2012
- Environmental Impact Statement Co-Author, Newfoundland and Labrador Hydro, Minasquaht Limited Partnership. Lower Churchill Hydroelectric Development Project, Community Impact Assessment for the Canada-Newfoundland Joint Federal Provincial Panel Review Environmental Impact Assessment, 2010 - 2011.
- Senior Scientific Authority – Newfoundland and Labrador Hydro, Minasquaht Limited Partnership. Lower Churchill Hydroelectric Development Project, Community Health Baseline Study for the Canada-Newfoundland Joint Federal Provincial Panel Review Environmental Impact Assessment, 2008 - 2010.
- Co-organizer, 'Shifting Sands' public forum on oil sands development, 2009
- Grasslands National Park Planning Committee, Member, 2007 – Current
- Environmental Assessment Experts Advisory Board – Lynch-Stewart and Associates, GeoConnections Canada National Information System Development for Regional Environmental Assessment, 2007-08
- Expert Advisor on Regional, Strategic Environmental Assessment – Canadian Council of Ministers of Environment, Environmental] Assessment Task Group, 2008.
- Community Health Baseline Assessment. Lower Churchill Falls Hydroelectric Development Station Environmental Impact Assessment, Newfoundland and Labrador Hydro, Newfoundland, 2007
- Senior advisor on project planning for Athabasca regional land use assessment, Rath and Company Barristers & Solicitors, Priddis, AB 2006 – 2007.
- Scientific Advisor, Member of Great Sand Hills Regional Environmental Study Scientific Advisory Committee. Saskatchewan Environment, Government of Saskatchewan, Regional, Saskatchewan, Canada. 2005 – 2007.
- Senior Advisor, Auditor General of Canada and Commissioner of the Environment and Sustainable Development, Sustainable Development Strategies and Strategic Environmental Assessment Program and Performance Audits, Government of Canada, Ottawa, Ontario, Canada, 2002 – 2004.
- Auditor's Focus Group. "Case Studies of Sustainable Development Strategies," Auditor General of Canada and Commissioner of the Environment and Sustainable Development, April, 2003, Ottawa, Ontario, 2002-03
- Auditor's Focus Group, "Auditing the Sustainable Development Strategies," Auditor General of Canada and Commissioner of the Environment and Sustainable Development, Ottawa, Ontario, 2002-03

Non-University Related

- Personal contributions to community/volunteer groups are not disclosed.

OTHER ACTIVITIES

- Knowledge and Technology Translation - **Noble B** (January 2016). Expert advisor to the Ontario Auditor General on the 2016 provincial audit of the Ontario environmental assessment system and Environmental Assessment Act, Government of Ontario / OTHER PROVINCES & TERRITORIES. (Fee for service: No)
- Knowledge and Technology Translation - **Noble B** (January 2016). Consultant to James Bay Quebec Advisory Committee on the Environment on the state of cumulative effects considerations in section 22 reviews under the James Bay Quebec Environmental Assessment Regulations, Government of Canada / FEDERAL. (Fee for service: Yes)
- Knowledge and Technology Translation - **Noble B** (January 2012). Consultant to the Canadian Environmental Assessment Agency, in collaboration with Stantec Consulting and ESSA technologies, to develop cumulative effects assessment practitioner guidance under the Canadian Environmental Assessment Act. (Fee for service: Yes)
- Other Activity - Expert Witness, Manitoba Public Interest Law Centre. Manitoba Clean Environment Commission Public Hearing for the Bipole III Hydroelectric Transmission Line Project, Expert Witness Activity. Manitoba Public Interest Law Centre, January 2012. (Fee for service: Yes)
- Knowledge and Technology Translation - **Noble B** (January 2010). Environmental Impact Statement Co-Author, Newfoundland and Labrador Hydro, Minaskuat Limited Partnership. Lower Churchill Hydroelectric Development Project, Community Impact Assessment for the Canada-Newfoundland Joint Federal Provincial Panel Review Environmental Impact Assessment, Minaskuat Limited Partnership. (Fee for service: No)
- Knowledge and Technology Translation - **Noble B** (January 2008). Senior Scientific Authority - Newfoundland and Labrador Hydro, Minaskuat Limited Partnership. Lower Churchill Hydroelectric Development Project, Community Health Baseline Study for the Canada-Newfoundland Joint Federal Provincial Panel Review Environmental Impact Assessment, Minaskuat Limited Partnership. (Fee for service: Yes)
- Knowledge and Technology Translation - **Noble B** (January 2008). Expert Advisor on Regional, Strategic Environmental Assessment - Canadian Council of Ministers of Environment, Environmental Assessment Task Group, Canadian Council of Ministers of Environment. (Fee for service: No)
- Knowledge and Technology Translation - **Noble B** (January 2007). Community Health Baseline Assessment, Lower Churchill Falls Hydroelectric Development Station Environmental Impact Assessment, Newfoundland and Labrador Hydro, Newfoundland, Community Health Baseline Assessment, Lower Churchill Falls Hydroelectric Development Station Environmental Impact Assessment, Newfoundland and Labrador Hydro, Newfoundland and Labrador Hydro. (Fee for service: Yes)
- Knowledge and Technology Translation - **Noble B** (January 2006). Senior advisor on project planning for Athabasca regional land use assessment, Rath and Company Barristers & Solicitors, Rath & Company Barristers & Solicitors. (Fee for service: Yes)
- Knowledge and Technology Translation - **Noble B** (January 2005). Scientific Advisor, Member of Great Sand Hills Regional Environmental Study Scientific Advisory Committee. Saskatchewan Environment, Government of Saskatchewan, Regional, Saskatchewan, Canada, Government of Saskatchewan / PROVINCIAL. (Fee for service: Yes)
- Knowledge and Technology Translation - **Noble B** (January 2002). Senior Advisor, Auditor General of Canada and Commissioner of the Environment and Sustainable Development, Sustainable Development Strategies and Strategic Environmental Assessment Program and Performance Audits, Government of Canada, Ottawa, Ontario, Canada, Government of Canada / FEDERAL. (Fee for service: No)
- Knowledge and Technology Translation - **Noble B**. Expert advisor to Fort Nelson First Nation on the development of a cumulative effects assessment framework and governance model for the Fort Nelson First Nation Traditional Territory, Fort Nelson First Nation / FIRST NATIONS GOVERNMENTS. (Fee for service: Yes)
- Other Activity - Expert witness on cumulative effects for the Public Interest law Centre of Manitoba, Public Hearing for Manitoba Hydro's Keeyask Hydroelectric Generation Project Environmental Assessment, Expert Witness Activity. Manitoba Hydro / Government of Manitoba, to present. (Fee for service: Yes)
- Knowledge and Technology Translation - **Noble B**. Expert advisor to the Blueberry River First Nation on the cumulative effects of Spectra Energy's Westcoast Connector LNG Pipeline Project, Blueberry River First Nations / FIRST NATIONS GOVERNMENTS. (Fee for service: Yes)