

## Appendix 9 Review of LWR Studies

Name of Report	Year	Those Involved	Number of Recommendations
Report on Measures for the Control of the Waters of Lakes Winnipeg and Manitoba	June, 1958	Province of Manitoba Report	Five in Summary (pp. 9-11, subject to interpretation) Eight in Ch. VII (pp.54-56, subject to interpretation)
Report on Expansion of Generating Capacity In Manitoba	September 23, 1970	David Cass-Beggs -Manitoba Hydro	Twenty-Five *(i-xxvii subject to interpretation, but cf. xxvi-xxviii for clearest recommendations)
Summary Report: Lake Winnipeg, Churchill and Nelson Rivers Study Board	April, 1975	Province of Manitoba And Canada	Forty-Seven (Cf. pp. 56-59)
Environmental Impact Prediction and Assessment: the Southern Indian Lake Experience	1984	R.E. Hecky et al. -Department of Oceans and Fisheries	Four *Subject to interpretation (p. 731, par. 2)
Physical, Chemical, and Biological Effects of the Churchill River Diversion and Lake Winnipeg Regulation on Aquatic Ecosystems	1991	R. F. Baker and S. Davies -Central and Arctic Region Department of Fisheries and Oceans	None Given

Towards Assessing the Effects of Lake Winnipeg Regulation and Churchill River Diversion on Resource Harvesting in Native Communities in Northern Manitoba	1991	P. J. Usher M.S. Weinstein (Central and Arctic Region- Department of Fisheries and Oceans)	Thirty-Nine *pp. 61-63 subject to interpretation
A Summary of Water Chemistry Changes Following Hydroelectric Development in Northern Manitoba, Canada	1993	D.A. Williamson and W.E. Ralley -Manitoba Environment	None given
Lake Winnipeg Action Plan ( <a href="http://www.gov.mb.ca/Waterstewardship/Water_quality/lake_Winnipeg/action_plan.html">www.gov.mb.ca/ Waterstewardship/ Water_quality/lake_ Winnipeg/action_plan .html</a> )	February 18, 2003	Province of Manitoba	Six
Changes in the Emergent Plant Community of Netley-Libau Marsh Between 1979 and 2001	November, 2004	Richard E. Grosshans Dale A. Wrubleski L. Gordon Goldsborough	Six (p. 32)
Analysis-Manitoba Wildlands Recommendations to the Lake Winnipeg Stewardship Board Re: Interim Report to the Manitoba Minister of Water Stewardship ( <a href="http://manitobawildlands.org/pdfs/AnalysisMW_LWSB_Recs.pdf">manitobawildlands.org /pdfs/AnalysisMW_ LWSB_Recs.pdf</a> )	January 2005	Manitoba Wildlands	None given

<p>Our Collective Responsibility – Reducing Nutrient Loading to Lake Winnipeg  (Interim Report: <a href="http://www.Gov.mb.ca/waterStewardship/water_Quality/lake_winnipeg/lwsb2005-01_interim_Rpt.pdf">www.Gov.mb.ca/waterStewardship/water_Quality/lake_winnipeg/lwsb2005-01_interim_Rpt.pdf</a>)</p>	February, 2005	Lake Winnipeg Stewardship Board	Thirty-Two (Or 87 if bullets included, thus subject to interpretation, cf. p. iv-x)
<p>Report on Public Discussions July 2005- Public Response to the Lake Winnipeg Stewardship Board's February 2005 Interim Report  (<a href="http://www.mb.ca/waterStewardship/water_Quality/lake_winnipeg/lwsb2005-07_public_Discussion_rpt.pdf">www.mb.ca/waterStewardship/water_Quality/lake_winnipeg/lwsb2005-07_public_Discussion_rpt.pdf</a>)</p>	July 2005	Lake Winnipeg Stewardship Board	None Given
<p>Restoring the Health of Lake Winnipeg- Canada's Sixth Great Lake  (<a href="http://www.redriverbasinCommission.org/lake_Wpg_final.pdf">www.redriverbasinCommission.org/lake_Wpg_final.pdf</a>)</p>	November, 2005	Lake Winnipeg Implementation Committee	Twenty (pp. 37-40)
<p>Restoring the Health of Lake Winnipeg- Technical Annex  (<a href="http://manitobawildlands.org/pdfs/LkWpgTechAnnex06.pdf">manitobawildlands.org/pdfs/LkWpgTechAnnex06.pdf</a>)</p>	2006	Lake Winnipeg Implementation Committee Terry Duguid, Co-Chair Norman Brandson, Co-chair	None Given*

Literature Review Related to Settling Nutrient Objectives for Lake Winnipeg ( <a href="http://www.gov.mb.ca/water_stewardship/water_quality/lake_winnipeg/Nutrient_literature.pdf">www.gov.mb.ca/water_stewardship/water_quality/lake_winnipeg/Nutrient_literature.pdf</a> )	May, 2006	Lake Winnipeg Stewardship Board	None Given
Reducing Nutrient Loading to Lake Winnipeg and its Watershed – Our Collective Responsibility and Commitment to Action ( <a href="http://www.gov.mb.ca/water_stewardship/water_quality/lake_winnipeg/lwsb2007-12_final_rpt.pdf">www.gov.mb.ca/water_stewardship/water_quality/lake_winnipeg/lwsb2007-12_final_rpt.pdf</a> )	February 06, 2007	Lake Winnipeg Stewardship Board	135
Further steps to curb Phosphorus, Facilitate Enhanced Science Among Next Steps In Action On Lake Winnipeg (News Release) ( <a href="http://news.gov.mb.ca/news/index.html?archive=week&amp;item=1133">news.gov.mb.ca/news/index.html?archive=week&amp;item=1133</a> )	February 06, 2007	Manitoba Government	None Given
Report Of The Lake Winnipeg Forum ( <a href="http://www.redriverbasincommission.org/Reports/Final_LkWpg_Forum_Report.pdf">www.redriverbasincommission.org/Reports/Final_LkWpg_Forum_Report.pdf</a> )	February 15, 2007	Lake Winnipeg Forum	Three (p. 8)

Address To the Members of the CEC	December 19, 2008	Sixty-Three concerned scientists from Canada, the United States of America, and Israel	Six (pp. 6-7)
Manitoba's Progress Towards Implementing Recommendations of the Lake Winnipeg Stewardship Board <a href="http://www.gov.mb.ca/waterstewardship/reports/Misc/lake_winnipeg_Stewardship_board_on_progress.pdf">www.gov.mb.ca/waterstewardship/reports/Misc/lake_winnipeg_Stewardship_board_on_progress.pdf</a>	March 18, 2010	Lake Winnipeg Stewardship Board	Thirteen *Subject to interpretation, cf. p. 70
Canada-Manitoba Memorandum of Understanding Respecting Lake Winnipeg and the Lake Winnipeg Basin <a href="https://www.gov.mb.ca/waterstewardship/water_quality/lake_Winnipeg/pdf/mou_Sept_2010.pdf">https://www.gov.mb.ca/waterstewardship/water_quality/lake_Winnipeg/pdf/mou_Sept_2010.pdf</a>	October, 2010	Government of Canada (Minister of the Environment) Province of Manitoba (Minister of Water Stewardship)	None Given
Lake Winnipeg: Symbol and Symptom	November-December, 2010	R.W. Sandford EPCOR Chair, UN Water for Life Decade	Five
Case studies that exemplify principles for a desired future	November-December, 2010	Dimple Roy IISD	Five

Netley-Libau Marsh Pilot Project To Study Methods Of Keeping Pollutants Out Of Lake Winnipeg -News Release (news.gov.mb.ca/news/index.html?archive=2010-11-01&item=10269	November 30, 2010	Province of Manitoba	None Given
State Of Lake Winnipeg: 1999 to 2007 Highlights ( <a href="https://www.ec.gc.ca/Publications/2348DE75-65E4-46DO-8277-9FAF6FB11DFC/StateOfLakeWinnipeg1992007Highlights.pdf">https://www.ec.gc.ca/Publications/2348DE75-65E4-46DO-8277-9FAF6FB11DFC/StateOfLakeWinnipeg1992007Highlights.pdf</a>	2011	Province Of Manitoba	One *Subject to interpretation, cf. p. 13, par. 1
Lake Winnipeg- State of the Science- What is the Scientific Basis for Understanding and Protecting Lake Winnipeg?	April 26-27, 2011	Lake Winnipeg Research Consortium Inc.	None given
Province Will Launch Action Plan To Save Lake Winnipeg: Selinger Provincial News Release (news.mb.ca/news/Index.html?archive=2011-05-01&item=11618	May 31, 2011	Province of Manitoba	None Given

<p>Sudden ecosystem state change in Lake Winnipeg, Canada, caused by eutrophication arising from crop and livestock production during the 20<sup>th</sup> century  <a href="http://www.gov.mb.ca/water_stewardship/water_quality/lake_winnipeg/Pdf/report_lake_wpg_Paleolimnology_2011.pdf">www.gov.mb.ca/water_stewardship/water_quality/lake_winnipeg/Pdf/report_lake_wpg_Paleolimnology_2011.pdf</a></p>	<p>May 31, 2011</p>	<p>L. Bunting et al.</p>	<p>Two (p. 36, pt. 810; p. 37, pt. 825, *subject to interpretation)</p>
<p>Premier Unveils Plan To Save Lake Winnipeg- Government News Release  <a href="http://news.gov.mb.ca/news/?item=11639">news.gov.mb.ca/news/?item=11639</a></p>	<p>June 02, 2011</p>	<p>Province of Manitoba</p>	<p>Four, *subject to interpretation,</p>
<p>Presentation on Bill 46: Save Lake Winnipeg Act, June 13, 2011  <a href="http://manitobawildlands.org/pdfs/SaveLakeWinnipegAct/AllanKristofferson-B46-Presentation-13Jun2011.pdf">manitobawildlands.org/pdfs/SaveLakeWinnipegAct/AllanKristofferson-B46-Presentation-13Jun2011.pdf</a></p>	<p>June 13, 2011</p>	<p>Dr. Allan Kristofferson</p>	<p>Ten, *subject to interpretation (cf. p. 3, par. 4-5)</p>
<p>Presentation to Legislative Committee on Bill 46: Save Lake Winnipeg Act  <a href="http://manitobawildlands.org/pdfs/SaveLakeWinnipegAct/GaileWhelanEnns-B46-">manitobawildlands.org/pdfs/SaveLakeWinnipegAct/GaileWhelanEnns-B46-</a></p>	<p>June 13, 2011</p>	<p>Gaile Whelan Enns</p>	<p>Eleven, *subject to interpretation (cf. pp. 2-4)</p>

Presentation-13Jun 2011.pdf			
Written Submission on Bill 46: Save Lake Winnipeg Act (manitobawildlands.org/pdfs/SaveLakeWinnipegAct/HenryDavidVenema-IISD-B46-WrittenSubmission-13Jun2011.pdf	June 13, 2011	Henry David Venema	Three *subject to interpretation, cf. p. 2, par. 4
Province Releases First-Of-Its-Kind, Scientific Assessment On State Of Lake Winnipeg- Provincial News Release (news.gov.mb.ca/news/index.html?item=11934	July 04, 2011	Province of Manitoba	None Given
Commission to hold hearings on Lake Winnipeg water levels- WFP Article ( <a href="http://www.winnipegfreepress.com/breaking-news/commission-to-hold-hearings-on-lake-winnipeg-water-levels-125085299.html">www.winnipegfreepress.com/breaking News/Commission-to-Hold-hearings-on-Lake-Winnipeg-water-levels-125085299.html</a>	July 06, 2011	Winnipeg Free Press	None Given
Eco-Network Sponsored Meeting on LWR CEC Hearing Report	September 09, 2011	Eight Organizations (Report author not mentioned)	Eight *pp. 1-3 subject to interpretation



Request to the Premier for TOR Alteration	September 28, 2011	Vicki Burns Hugo Unruh Ellen Cook Darwin Paupanakis Bob Haverluck Hans Winkler Gaile Whelan Enns Mike Sutherland Maureen Tipples Fletcher Stewart Bob Haverluck	Three
CEC Request to MH for Plain Language Document	November 02, 2011	Terry Sargeant	Eleven
Hydrological forcing of a recent trophic surge in Lake Winnipeg	2012	Dr. Gregory K. McCullough et al.	Two (p. 10, par. 2)
A hydrogeomorphic inventory of coastal wetlands of the Manitoba Great Lakes: Lakes Winnipeg, Manitoba, and Winnipegosis	2012	K. Elise Watchorn L. Gordon Goldsborough Dale A. Wrubleski Bairn G. Mooney	One, *subject to interpretation, cf. p. 121, par. 3-4
Summary Report- Lake Winnipeg Basin Initiative ( <a href="http://www.ec.gc.ca/Publications/719EB6CC-434D-4A0A-9FCA-F6729966E4A6/Summary_Report-Lake_Winnipeg_Basin">www.ec.gc.ca/Publications/719EB6CC-434D-4A0A-9FCA-F6729966E4A6/Summary_Report-Lake_Winnipeg_Basin</a> )	2012	Environment Canada	None Given

Initiative-2008-09-2011-12.pdf			
Lake Winnipeg Bioeconomy Project ( <a href="https://www.iisd.org/wic/research/Bioeconomy/">https://www.iisd.org/wic/research/Bioeconomy/</a> )	2013	International Institute For Sustainable Development	Four
Overview- Lake Basin Initiative ( <a href="http://ec.gc.ca/eau-water/1D59A006-F42F-4650-B126-02C2DOBD0676/LWBIfactsheet_WEB_04_e.pdf">ec.gc.ca/eau-water/1D59A006-F42F-4650-B126-02C2DOBD0676/LWBIfactsheet_WEB_04_e.pdf</a> )	2013	Environment Canada	None given
Cleaning Up Lake Winnipeg- The Lake Winnipeg Basin Stewardship Fund ( <a href="http://ec.gc.ca/eau-water/Default.asp?lang=En&amp;n=E2C4A85C-1">ec.gc.ca/eau-water/Default.asp?lang=En&amp;n=E2C4A85C-1</a> )	2013	Environment Canada	None Given
Lake Friendly Accord ( <a href="http://www.gov.mb.ca/Conservation/waterStewardship/water_Quality/lake_winnipeg/Pdf/lake_friendly_Accord.pdf">www.gov.mb.ca/Conservation/waterStewardship/water_Quality/lake_winnipeg/Pdf/lake_friendly_Accord.pdf</a> )	2013	Not Specified	Eight

Lake Friendly Accord and the Lake Friendly Stewards Alliance ( <a href="http://www.gov.mb.ca/conservation/water_stewardship/water_quality/lake_winnipeg/Fa_lake_friendly_Stewards_alliance.html">www.gov.mb.ca/conservation/water_stewardship/water_quality/lake_winnipeg/Fa_lake_friendly_Stewards_alliance.html</a> )	2013	Government of Manitoba	None given
Lake Winnipeg Health Plan ( <a href="http://www.lakewinnipegfoundation.org/lake-Winnipeg-health-plan">www.lakewinnipegfoundation.org/lake-Winnipeg-health-plan</a> )	2013	Lake Winnipeg Foundation	Eight
Province Announces New Lake Friendly Accord, Stewards Alliance To Enhance Collaboration Across Lake Winnipeg Basin -News Release ( <a href="http://news.gov.mb.ca/news/index.html?item=17591&amp;posted=2013-06-06">news.gov.mb.ca/news/index.html?item=17591&amp;posted=2013-06-06</a> )	June 06, 2013	Government of Manitoba	Six, *subject to interpretation
Data Sources and Methods for the Phosphorus and Nitrogen Levels in Lake Winnipeg Indicator ( <a href="http://www.ec.gc.ca/Indicateurs-indicators/9F6D5392-FD8E-4020-85A9-F2DA4F702AF5/lakeWinnipeg_EN.pdf">www.ec.gc.ca/Indicateurs-indicators/9F6D5392-FD8E-4020-85A9-F2DA4F702AF5/lakeWinnipeg_EN.pdf</a> )	July, 2013	Environment Canada	None Given

Crown Aboriginal Consultation Manitoba Hydro Lake Winnipeg Regulation Final Licence and Jenpeg Generating Station Final Licence	December 10, 2013	Rob Matthew (To Chief Donovan Fontaine and Council, Fort Alexander FN)	None Given
Lake Friendly Stewards Alliance Meeting Report	December 12, 2013	Members of Lake Friendly Stewards Alliance and other community stakeholders (61 attendants)	Nineteen *pp. 2-3 subject to interpretation
Lake Friendly Accord Officially Signed By Federal And Provincial Governments, South Basin Mayors And Reeves -News Release (news.gov.mb.ca/news/index.html?item=30142&posted=2014-03-21	March 21, 2014	Governments of Canada Government of Manitoba	Six, *subject to interpretation
Scoping Of Licence For Lake Winnipeg Water Regulation Submission Of Recommendations	May 28, 2014	Dave Crabb President Of Manitoba Association Of Cottage Owners	Ten (p. 3)
Pimicikamak Review of LWR and CRD Final Licence Applications	May 05, 2014	Chief Cathy Merrick	Ten *pp. 1-7 subject to interpretation
Lake Winnipeg Regulation (Plain Language Doc.)	July 2014	Manitoba Hydro	None Given

An Assessment of Regulation Effects On Lake Winnipeg (MH Plain Language Doc., Appendix 4)	July 2014	P.M.A Slota et al. -Manitoba Hydro Water Resources Department Power Planning Division	None Given
Lake Winnipeg Regulation-Report To The Clean Environment Commission-Environmental Effects Downstream Of Lake Winnipeg (Appendix 6: MH Plain Language Doc.)	July 2014	Manitoba Hydro	None Given
Lake Winnipeg Regulation-Report To The Clean Environment Commission-Discussion Of Key Biological Concerns On Lake Winnipeg (MH Plain Language Doc., Appendix 8)	July 2014	Manitoba Hydro	None Given
An Assessment of Lake Winnipeg Regulation Effects Based on Hydrometric Data (MH Plain Language Doc., Appendix 3)	July 16, 2014	P.G. Chanel -Manitoba Hydro Engineers in Hydraulic Licensing & Support Section; Hydraulic Operations Department	None Given
Lake Winnipeg Regulation – Economic Valuation (Letter, MH Plain Language Doc., Appendix 11)	July 16, 2014	Terry Miles Manitoba Hydro Manager Resource Planning & Market Analysis Power Planning Division	None Given

An Assessment Of Alternative Lake Winnipeg Regulation Power Ranges (MH Plain Language Doc., Appendix 10)	July 18, 2014	W.J.S. Crawford et al. Water Resources Engineering Department Power Planning Division	None Given
Lake Winnipeg Regulation – Shoreline Monitoring And Erosion Protection Downstream From Lake Winnipeg (Appendix 5, MH Plain Language Doc.)	July 23, 2014	P.G. Chanel - Manitoba Hydro Engineers in Hydraulic Licensing & Support Section; Hydraulic Operations Department	None Given
Lake Winnipeg Watershed Hydroclimatic Study (MH Plain Language doc., Appendix 7)	July 28, 2014	M. Gervais et al. (Manitoba Hydro Water Resources Engineering Department Power Planning Division)	None Given
Hearing Directive for the Public Review on Manitoba Hydro's Request for a Final Licence for Lake Winnipeg Regulation under <i>The Water Power Act</i>	September, 2014	CEC	Twenty-Five *pp. 5-19 subject to interpretation
Reviews, Licences and Hearings – Concerns & Issues (manitobawildlands.Org/pdfs/RegulationOfLakeWinnipeg_18Sept2014.pdf)	September, 2014	Manitoba Wildlands	None given (although cf. p. 3, bullet 1)
Red River Basin Commission Joins Effort To Protect Lake Winnipeg -News Release	September 04, 2014	Government of Manitoba	Six, *subject to interpretation

(news.gov.mb.ca/news/index.html?item=32487&posted=2014-09-04			
Prov. of Manitoba News Release: Manitoba Government Invests in Clean Water Infrastructure to Protect Lake Winnipeg, Benefit Interlake Families	October 16, 2014	Province of Manitoba	None Given
Lake Winnipeg Regulation – Invited Technical Session (Manitoba Hydro Doc.)	January 20, 2015	Manitoba Hydro	None Given
Minnesota To Sign Lake Friendly Accord- News Release (news.gov.mb.ca/news/?item=33751&posted=2015-01-20	January 20, 2015	Government of Manitoba	None given
The Ecology of Coastal Wetlands around Lake Winnipeg and Vegetation Loss in Netley-Libau Marsh	January 30, 2015	Dr. L. Gordon Goldsborough	Seven (pp. 11-3)
Letter-Report from Dr. Thorleifson to CEC on Isostatic Rebound	January 30, 2015	Dr. Henry Thorleifson	One (p. 10)
Lake Winnipeg Regulation- Manitoba Hydro Report in Support of a Final Licence under <i>The Water Power Act</i>	February, 2015	Dr. George F. McMahon	Twenty-five *Subject to interpretation, cf. 5.1, 5.2

(Manitoba)- Review of Hydrologic and Operational Models			
Climate Change in the Lake Winnipeg Watershed and the Level of Lake Winnipeg	February 06, 2015	Dr. Gregory K. McCullough	None Given
A Living Landscape: Lake Winnipeg and Manitoba's boreal forest define our province (WFP Article)	*	Marlo Campbell and others	Four *Subject to interpretation (Cf. Thiessen article, par. 2-3, 2 <sup>nd</sup> Klowak article, par. 6-7)
Manitoba- Lake Friendly in 50 Ways ( <a href="http://www.gov.mb.ca/conservation/water_stewardship/water_quality/lake_winnipeg/Pdf/lake_friendly_50_Ways.pdf">www.gov.mb.ca/conservation/water_stewardship/water_quality/lake_winnipeg/Pdf/lake_friendly_50_Ways.pdf</a> )	*	Government of Manitoba	None Given (Lists actions already taken)
Community Conservation Plan for the Netley-Libau Marsh Important Bird Area	*	Cory Lindgren & Netley Marsh Foundation Inc.	Four