

## Works Cited

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- Advisory Committee on Water Use Practice and Policy. *Advisory Committee on Water Use Practice and Policy: Final Report*. Edmonton, Alta.: Advisory Committee on Water Use Practice and Policy 2004.
- Agriculture and Agri-Food Canada. "The Canada-Alberta Farm Stewardship Program." [Online] Ottawa, Ont.: Agriculture and Agri-Food Canada 2005. Available from [http://www.agr.gc.ca/env/efp-pfa/index\\_e.php?section=nfsp-pnga&page=ab-nfsp-pnga](http://www.agr.gc.ca/env/efp-pfa/index_e.php?section=nfsp-pnga&page=ab-nfsp-pnga). Internet. Accessed 1 April 2006.
- Agriculture and Agri-Food Canada and Prairie Farm Reclamation Administration. *Beneficial Management Practices: Environmental Manual for Crop Producers in Alberta*. Edmonton, Alta.: Alberta Agriculture, Food and Development 2004.
- Alberta. *Water Conservation and Allocation Policy for Oilfield Injection*. Edmonton, Alta.: Alberta Environment 2006.
- \_\_\_\_\_. *Water for Life: Alberta's Strategy for Sustainability*. Edmonton, Alta.: Alberta Environment 2003.
- \_\_\_\_\_. *Environmental Protection and Enhancement Act*. 2000.
- \_\_\_\_\_. *Water Act*. 2000.
- Alberta Agriculture, Food and Rural Development. *2001 Census of Agriculture for Alberta*. Edmonton, Alta.: Alberta Agriculture, Food and Rural Development.
- Alberta Energy. "Oil Statistics." [Online] Edmonton, Alta. Alberta Energy 2006. Available from <http://www.energy.gov.ab.ca/803.asp>. Internet. Accessed 3 April 2006.
- Alberta Environment. *Report on the Implementation Progress of Water for Life Alberta's Strategy for Sustainability*. Edmonton, Alta.: Alberta Environment 2005.
- \_\_\_\_\_. *South Saskatchewan River Basin Water Allocation*. Edmonton, Alta.: Alberta Environment 2005.
- \_\_\_\_\_. *Water and Oil: An Overview of the Use of Water for Enhanced Oil Recovery in Alberta*. Edmonton, Alta.: Alberta Environment 2004.
- \_\_\_\_\_. *South Saskatchewan River Basin Water Management Plan Phase Two Background Studies*. Edmonton, Alta.: Alberta Environment 2003.
- \_\_\_\_\_. *South Saskatchewan River Basin Water Management Plan Phase Two Scenario Modelling Results Part 1*. Edmonton, Alta.: Alberta Environment 2003.
- \_\_\_\_\_. *Water for Life: Facts and Information on Water*. Edmonton, Alta.: Alberta Environment 2002.
- \_\_\_\_\_. *South Saskatchewan River Basin Water Management Plan Phase One Water Allocation Transfers*. Edmonton: Alberta Environment 2002.

- \_\_\_\_\_. *Surface Water Quality Guidelines for Use In Alberta: 1999*. Edmonton, Alta.: Alberta Environment 1999.
- Aquality Environmental Consulting, Ltd. *State of the North Saskatchewan Watershed Report 2005*. Edmonton, Alta.: North Saskatchewan Watershed Alliance 2005.
- Babkin, V.I. and R.K. Klige. "The Hydrosphere." In *World Water Resources at the Beginning of the 21<sup>st</sup> Century*. I.A. Shiklomanov and John C. Rodda, eds. Cambridge, U.K.: Cambridge University Press 2003, 10-17.
- Blodgett, Elke. "Submission to Endangered Rivers Program." [Online document] St. Albert, Alta: Elke Blodgett 2003. Accessed 23 March 2006. Available from <http://www.elkeblodgett.net/nomination.htm>.
- Bontus, George and Larry E. Bodnaruk. *City of St. Albert Stormwater Management Plan*. Edmonton, Alta.: Associated Engineering 2004.
- Borgstede, Arlene. *The Black Robe's Vision: A History of St. Albert and District*. Vol. 1. St. Albert, Alta.: St. Albert Historical Society 1985.
- Borneuf, D. and N.H. Fernuik. "2004 Groundwater Monitoring Program Villeneuve-Calahoo Gravel Extraction Area." Edmonton, Alta.: Thurber Environmental Consulting 2005.
- Boyd, David R. *Canada vs. the OECD: An Environmental Comparison*. Victoria, B.C.: University of Victoria 2001.
- Brandes, Oliver M. and Keith Ferguson. *The Future in Every Drop: The Benefits, Barriers, and Practice of Urban Water Demand Management in Canada*. Victoria: University of Victoria 2004.
- \_\_\_\_\_. *Flushing the Future? Examining Urban Water Use in Canada*. Victoria, B.C.: POLIS Project on Ecological Governance 2003.
- Brooymans, Hanneke. "Regional Water Systems Get Boost From Province." *Edmonton Journal*, 7 April 2006, B7.
- \_\_\_\_\_. "Price of Water Facility Upgrades: \$290 M." *Edmonton Journal*, 2 March 2006, B5.
- \_\_\_\_\_. "Oil and Water," *Edmonton Journal*, 2 May 2003, D5.
- Brooymans, Hanneke and Dennis Hryciuk. "Alberta Plans Cure for Drought Crisis: Klein Opposes Diversion." *Calgary Herald*, 1 March 2002, A1.
- Catley-Carlson, Margaret. "The Turbulent World of Water: Threats and Implications for Canada's Foreign Policy." *Canada Among Nations 2004: Setting Priorities Straight*. Ottawa, Ont.: Carleton University 2004. 209–224.
- Denmuth, Mike and A. Pietroniro. *The Impact of Climate Change on the Glaciers of the Canadian Rocky Mountain Eastern Slopes and Implications for Water Resource-Related Adaptation in the Canadian Prairies*. Saskatoon, Sask.: National Water Research Institute 2003.

- Déry, Stephen J. and E.F. Wood. "Decreasing River Discharge in Northern Canada." *Geophysical Research Letters* 32 (2005).
- Drachenberg, Gary and Sutha Suthaker (Associated Engineering). *Waterworks Facility Assessment Report*. Edmonton, Alta.: Alberta Environment 2004.
- \_\_\_\_\_. *Waterworks Facility Assessment Summary Report*. Edmonton, Alta.: Alberta Environment 2004.
- Earle, Suzanne. *Alberta Wildlife Status Report 54: State of the Lake Sturgeon (Acipenser fulvescens) in Alberta*. Edmonton, Alta.: Alberta Sustainable Resource Development 2002.
- Environment Canada. *Municipal Water Use 2001 Statistics*. Ottawa, Ont.: Environment Canada 2004.
- \_\_\_\_\_. *Municipal (Water) Use Database*. Ottawa, Ont.: Environment Canada 2001. Database online. Available at [http://www.ec.gc.ca/Water/en/manage/use/e\\_data.htm](http://www.ec.gc.ca/Water/en/manage/use/e_data.htm).
- \_\_\_\_\_. *The State of Municipal Wastewater Effluents in Canada*. Ottawa, Ont.: Ministry of Public Works 2001.
- Ewaschuk, Ernie and Cheryl L. Smyth. "The Value of Wetlands for Agricultural Producers in the Central Parkland Region of Alberta." Edmonton, Alta.: Land Stewardship Centre of Canada, 2001.
- Filmon, Yves. "Climate Change: Implications for Canadian Water Resources and Hydropower Production." *Canadian Water Resources Journal* 25.3 (2000): 255–270.
- Fitch, Lorne and Norine Ambrose. *Riparian Areas: A User's Guide to Health*. Lethbridge, Alta.: Cows and Fish 2003.
- Fitch, Lorne, Barry Adams, and Karen O'Shaughnessy. *Riparian Areas and Grazing Management*. Lethbridge, Alta.: Cows and Fish 2003.
- Foderaro, Lisa W. "Come On In, The Hudson's Fine." *New York Times*, 30 July 2005, B1.
- GEOWA Information Technologies, Ltd. *Water Use for Injection Purposes in Alberta*. Calgary, Alta.: Alberta Environment 2003.
- Gibbs and Brown Landscape Architects Ltd. *Red Willow Park West Master Plan Update*. St. Albert, Alta.: City of St. Albert 2003.
- Godfrey, John D. *Edmonton Beneath Our Feet*. Edmonton: Edmonton Geological Society 1993.
- Golder Associates. *Final Report Meridian Dam Preliminary Feasibility Study*. Calgary, Alta.: Golder Associates 2002.
- Griffiths, Mary and Dan Woynillowicz. *Oil and Troubled Waters: Reducing the Impact of the Oil and Gas Industry on Alberta's Water Resources*. Drayton Valley, Alta.: The Pembina Institute 2003.
- Hagan, Susan. "The Driest Spell in 130 Years." *Edmonton Journal*, 24 May 2001, A1.
- Hall, Myrna H.D. and Daniel B. Fagre. "Modelled Climate-Induced Glacier Change in Glacier National Park, 1850–2100." *BioScience* 53.2 (2003): 131–140.

- Hoffman, Nancy and Martin S. Beaulieu. "A Geographical Profile of Manure Production in Canada, 2001." *Agriculture and Rural Working Papers Series* (January 2006).
- Hopkinson, Chris and Gordon J. Young. "The Effect of Glacial Wastage on the Flow of the Bow River at Banff, Alberta, 1951–1993." *Hydrological Processes* 12 (1998): 1745–1762.
- Hrudey, Steve E. and Elizabeth J. Hrudey. *Safe Drinking Water: Lessons from Recent Outbreaks in Affluent Nations*. Cornwall, U.K.: IWA Publishing 2004.
- Hryciuk, Dennis. "Dam Project Killed as Cost Jumps by Millions." *Edmonton Journal*, 12 March 2002, A1.
- Intergovernmental Panel on Climate Change. *Climate Change 2001: Synthesis Report*. Robert T. Watson, ed. New York, N.Y.: Cambridge University Press 2001.
- International Joint Commission. *The International Joint Commission and the Boundary Waters Treaty of 1909*. Ottawa, Ont.: International Joint Commission 1998.
- Irrigation Water Management Supply Study Committee. *South Saskatchewan River Basin Irrigation in the 21<sup>st</sup> Century*. Vol. 1. Lethbridge, Alta.: Alberta Irrigation Projects Association 2002.
- Jones, Susan. "Information Needed on Sturgeon Riverboat." *St. Albert: Our Story*. St. Albert, Alta.: Gazette Press Ltd. 1999, 72.
- Leebody, Jean (former curator Musée Héritage Museum). "Water Under the Bridge: The History of the Sturgeon River and Big Lake." Text of exhibit prepared for Musée Héritage Museum, St. Albert, 2004, supplied to author.
- Linton, Jamie. *Beneath the Surface: The State of Water in Canada*. Ottawa, Ont.: Canadian Wildlife Federation 1997.
- Mitchell, Patricia. *Relationship Between Beef Production and Waterborne Parasites In the North Saskatchewan River Basin, Alberta, Canada*. Edmonton, Alta.: Alberta Environment 2002.
- \_\_\_\_\_. "Water Quality Management in Lac Ste. Anne and Lake Isle: A Diagnostic Study," Edmonton, Alta.: Alberta Environment 1999.
- Nelson, Joseph S., and Martin J. Paetz. *The Fishes of Alberta*. 2<sup>nd</sup> ed. Edmonton, Alta.: University of Alberta Press 1992.
- Nikiforuk, Andrew. "Coal Bed Worries Addressed Slowly." *Calgary Herald*, 10 March 2006, A24.
- \_\_\_\_\_. "Schindler's Warning: Will It Be Heard?" *Globe and Mail*, 24 February 2000, R5.
- O'Connor, Dennis R. "The Events of May 2000 and Other Related Issues." *Report of the Walkerton Inquiry*. Vol. 1. Toronto, Ont.: Ontario Ministry of the Attorney General 2002.
- Oldman River Dam Environmental Advisory Committee. *Final Recommendations*. Lethbridge, Alta.: Oldman River Dam Environmental Advisory Committee 2001.

- Olsen, Tom. "Alberta Eyes Water Sharing." *Edmonton Journal*, 27 December 2001, A1.
- Peel, Robert (former Alberta Environment geologist who studied aggregate extraction for 13 years). "Sustainable Development of the Aggregate Resources of Alberta." Master's thesis, University of Alberta, 2004.
- Postel, Sandra. "Dividing the Waters: Food Security, Ecosystem Health, and the New Politics of Scarcity." *Worldwatch Paper* 132 (1996).
- \_\_\_\_\_. *The Last Oasis*. London, U.K.: Earthscan Publications Ltd., 1992.
- Postel, Sandra and Brian Richter. *Rivers for Life*. Washington, D.C.: Island Press 2003.
- Reeves, Eric. "Exotic Policy: An IJC White Paper on Policies for the Prevention of the Invasion of the Great Lakes by Exotic Organisms." Milwaukee, Wis.: International Joint Commission 1999.
- Renzetti, Steven and Joseph Kushner. "Full Cost Accounting for Water Supply and Sewage Treatment: Concepts and Case Application." *Canadian Water Resources Journal* 29.1 (2004): 13–22.
- Richmond, Derek. "Is There Hope for the Sturgeon River?" *Saint City News*, 11 June 2004, 38–39.
- Roach, Robert, Vien Huynh, and Sarah Dobson. "Drop by Drop: Urban Water Conservation in Western Canada." *Western Cities Project Report* 29 (February 2004).
- Rood, Stewart B. et al. "Twentieth-Century Decline in Stream Flows From the Hydrographic Apex of North America." *Journal of Hydrology* 306 (2005): 215–233.
- Schindler, David. "The Cumulative Effects of Climate Warming and Other Human Stresses on Canadian Freshwaters in the New Millennium." *Canadian Journal of Fisheries and Aquatic Sciences* 58 (2000): 18–29.
- \_\_\_\_\_. "Eutrophication and Recovery in Experimental Lakes: Implications for Lake Management." *Science* 24 May 1974: 897–899.
- Schindler, David and W.F. Donahue. "An Impending Water Crisis in Canada's Western Prairie Provinces." *Proceedings of the National Academy of Sciences* 103.19 (2006): 7210–7216.
- Schuster, Corinne J. et al. "Infectious Disease Outbreaks Related to Drinking Water in Canada, 1974–2001." *Canadian Journal of Public Health* 96.4 (2005): 254–258.
- Seneka, Michael. "Trends in Historical Annual Flows for Major Rivers in Alberta." Edmonton, Alta.: Alberta Environment 2004.
- Shiklomanov, I.A. "Introduction." In *World Water Resources at the Beginning of the 21<sup>st</sup> Century*. I.A. Shiklomanov and John C. Rodda, eds. Cambridge, U.K.: Cambridge University Press 2003, xi–xiv.
- \_\_\_\_\_. "World Water Use and Water Availability." In *World Water Resources at the Beginning of the 21<sup>st</sup> Century*. I.A. Shiklomanov and John C. Rodda, eds. Cambridge, U.K.: Cambridge University Press 2003, 369–384.

- Shiklomanov, I.A. and N.V. Penkova. "Methods for Assessing and Forecasting Global Water Use and Water Availability." In *World Water Resources at the Beginning of the 21<sup>st</sup> Century*. I.A. Shiklomanov and John C. Rodda, eds. Cambridge, U.K.: Cambridge University Press 2003, 27–37.
- Spencer Environmental Management Services Ltd. *West Regional Road Environmental Impact Assessment Final Report*. Vol. 1. Edmonton, Alta.: Infrastructure Systems Ltd. 2003.
- Struzik, Ed. "Don't Move Water South, Says Water Expert, Move Farms North." *Edmonton Journal*, 14 January 2002, A6.
- Struzik, Ed and Hanneke Brooymans. "Is Alberta Ready for PRIME Time?" *Edmonton Journal*, 13 January 2002, D6.
- Suplee, Curt. "Threat of Localized Cooling Flows From Global Warming." *Washington Post*, 1 December 1997, A3.
- Thomas, Simon and Les Gammie. *2005 Edmonton Waterworks Annual Report*. Edmonton, Alta.: EPCOR Water Services Inc. 2006.
- Thompson, Graham. "Drought Officially Declared a Disaster." *Edmonton Journal*, 2 June 2001, A2.
- \_\_\_\_\_. "People to Water or Water to People?" Banff, Alta.: Alberta Institute of Agrologists 2005.
- de Villiers, Marq. *Water*. Toronto, Ont.: McClelland & Stewart 2003.
- Wilkie, Karen. "Balancing Act: Water Conservation and Economic Growth." *Building the New West Report* 40 (2005).
- Woynilowicz, Dan and Chris Severson-Baker. "Down to the Last Drop? The Athabasca River and Oil Sands." *Oil Sands Issue Paper* 1 (March 2006).
- Woynilowicz, Dan, Chris Severson-Baker, and Marlo Reynolds. *Oil Sands Fever: The Environmental Implications of Canada's Oil Sands Rush*. Drayton Valley, Alta.: Pembina Institute 2005.
- World Water Assessment Program. *Water for People, Water for Life*. UNESCO: Berghahn 2003.

# *Interviews*

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- Barber, Joan, economic development officer with the City of St. Albert. Email interview by author. Ottawa, Ont. 3 January 2006.
- Belley, Roger, parks co-ordinator for the City of St. Albert. In-person interview by author supplemented by telephone and emails. St. Albert, Alta. 13 and 26 July 2005.
- Blodgett, Elke, environmental activist. In-person interview by author supplemented by emails. St. Albert, Alta. 20 July 2005.
- Brown, Christine, economist and City of St. Albert councillor. In-person interview by author. St. Albert, Alta. 23 July 2005.
- Butler, Derril, Reeve of Lac Ste. Anne County. In-person interview by author. Onoway, Alta. 21 July 2005.
- Burkhart, Dave, president Big Lake Environmental Support Society. In-person interview by author. St. Albert, Alta. 10 July 2005.
- Ewaschuk, Ernie, Land Stewardship Centre. In-person interview by author supplemented by email and telephone conversations. St. Albert, Alta. 13 July 2005.
- Fitch, Lorne, spokesperson for Cows and Fish. Telephone interview by author. St. Albert, Alta. 30 December 2005.
- Griffiths, Mary, analyst with the Pembina Institute. Telephone interview by author. St. Albert, Alta. 15 July 2005.
- Hall, Kevin, head of the Centre for Water and the Environment at Queen's University (Ontario). Telephone interview by author. Ottawa, Ont. 7 December 2005.
- Hawkins, Murray, manager of Boysdale Camp. Telephone interview by author. St. Albert, Alta. 12 August 2005.
- Hebben, Thorsten, Alberta Environment limnologist. In-person interview by author. Edmonton, Alta. 22 February 2006.
- Hingston, Alan, hydro-geologist in charge of groundwater licensing in Sturgeon River region. In-person interview by author supplemented by phone and email conversations. St. Albert, Alta. 16 July 2005.
- Hittinger, Mike, conservation technician with the Northwest Alliance Conservation Initiative. In-person interview by author. Morinville, Alta. 19 July 2005.
- Jackson, Leah, environmental consultant for the City of St. Albert. Telephone interview by author. Ottawa, Ont. 3 April 2006.

Jones, Rodney, retired Alberta Environment scientist and expert on the Sturgeon. Telephone interview by author supplemented by email. St. Albert, Alta.: 13 August 2005.

Lema, Robert, homeowner who lives by the Sturgeon River. In-person interview by author. St. Albert, Alta. 27 July 2005.

Loomis, Stuart, retired geomorphologist. In-person interview by author. St. Albert, Alta. 12 July 2005.

Neufeld, Richard, planning and development officer for Lac Ste. Anne County. Telephone interview by author. St. Albert, Alta. 4 August 2006.

Rich, Kate and Robert Harrison, spokespersons for Alberta Water for Life Strategy. In-person interview by author supplemented by emails. Edmonton, Alta. 4 August 2005.

Richmond, Derek, former environmental consultant for the City of St. Albert. In-person interview by author supplemented by email. St. Albert, Alta. 12 July 2005.

Robertson, William, head of the microbiology section at Health Canada's water quality and health bureau. Telephone interview by author. Ottawa, Ont. 8 March 2006.

Schindler, David, professor of biology at the University of Alberta. In-person interview supplemented by email by author. Edmonton, Alta. 21 February 2006.

Scott, Tracy, vice-president North Saskatchewan Watershed Alliance. Telephone interview by author. St. Albert, Alta. 21 December 2005.

Skinner, Ian and Mike Northcott, Onoway River Valley Conservation Authority. In-person interview by author. Onoway, Alta. 25 July 2005.

Smith, Daniel W., professor of civil and environmental engineering at the University of Alberta. Telephone interview by author. Ottawa, Ont. 27 March 2006.

Thompson, John, consultant for Alberta Environment, senior economist Alberta Environment 1990–97, economist Natural Resource Conservation Branch 1997–2003, participant in drafting of 1999 Water Act. Telephone interview by author. St. Albert, Alta. 22 Feb. 2006.

Vickery, B.J., director of environmental and regulatory affairs for Lafarge Canada Inc. In-person interview by author. Onoway Wash Plant, near Onoway, Alta. 4 August 2005.

Watters, Daryl, Alberta Fish and Wildlife biologist working in the Edmonton, Alberta office since 1972, has studied sturgeon populations in the North Saskatchewan region since 1996. Telephone interview by author. Ottawa, Ont. 21 March 2006.

Willianen, Sharon, manager with the North Saskatchewan Watershed Alliance. In-person interview by author. Edmonton, Alta. 27 May 2005.