

SECTION 6.6

REFERENCES





6.0 Effects Assessment

6.1 Overview and Methods

- Government of Saskatchewan. 2007. Agreement on Environmental Assessment (EA) Cooperation. Accessed November 10, 2010 from http://www.environment.gov.sk.ca/
- Canadian Environmental Assessment Agency (CEAA). 1994. A reference guide for the Canadian Environmental Assessment Act, Determining whether a project is likely to cause significant adverse environmental effects. Prepared by the Canadian Environmental Assessment Office, November 1994.
- Canadian Environmental Assessment Agency (CEAA). Guide to the Preparation of a Comprehensive Study, Hull, Quebec, CEAA, 1997.
- Canadian Environmental Assessment Agency (CEAA). 1999. "Cumulative Effects Assessment Practitioners' Guide", Canadian Environmental Agency, Hull, Quebec, Catalogue No En106-44/1999E.
- Hegmann, GL and GA Yarranton. 1994. Cumulative Effects and the Energy Resources Conservation Board Review Process. University of Calgary, Environmental Research Centre, Calgary, Alberta.

6.2 Physical Environment

6.2.1 Terrain and, Soils

- Acton, DF and LJ Gregorich (editors). 1995. The Health of Our Soils: Toward Sustainable Agriculture in Canada. Centre for Land and Biological Resources Research, Research Branch, Agriculture and Agri-Food Canada. Publication 1906/E. Ottawa, ON.
- Alberta Soils Advisory Committee. 1987. Soil quality criteria relative to disturbance and reclamation. Prep. by Soil Quality Working Group. Alberta Agriculture. Edmonton, AB.
- Amenu, G.G. and Kumar, P. 2008. A model for hydraulic redistribution incorporating coupled soil-root moisture transport. Hydrol. Earth Syst. Sci. 12: 55 74.
- Archibald, DJ, WB Wiltshire, DM Morris and BD Batchelor. 1997. Forest Management Guidelines for the Protection of the Physical Environment. Version 1. Report MNR #51032. Ontario Ministry of Natural Resources.
- Armson, K.A. 1977. Forest Soils: Properties and Processes. University of Toronto Press. Toronto, ON.
- Bay, RR. 1970. The hydrology of several peat deposits in northern Minnesota, USA. <u>in</u> Proceedings of the 3rd International Peat Congress, 1968, Quebec, Canada. Ottawa:



Department of Energy, Mines and Resources and the National Research Council, pp. 212-218.

- British Columbia Ministry of Forests. 1999. Mapping and assessing terrain stability guidebook, 2nd Edition. Forest Practices Code of British Columbia. Victoria, BC.
- Canadian Council of Ministers of the Environment (CCME). 2007. Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health: Summary Tables. Updated 2007. Accessed December 8, 2010 from http://www.ccme.ca/assets/pdf/rev_soil_summary_tbl_7.0_e.pdf.
- Dise, N.B. 2009. Peatland response to global change. Science 326 (#5954): 810-811.
- Fisher, RF, D Binkley and WL Pritchett. 2000. Ecology and management of forest soils. John Wiley, New York.
- Gendzwill, D. 2006. Earthquakes in Saskatchewan and Canada. University of Saskatchewan. Saskatoon, SK. Accessed December 8, 2010 from http://www.iamamerica.com/iamamerica/media/Canadian_Earthquakes.pdf.
- Hillman, G.R. and Roberts, J.J. 2006. Tamarack and black spruce growth on a boreal fen in central Alberta 9 years after drainage. New Forests 31:225-243.
- Laio, F., Tamea, S, Ridolfi, L., D'Odorico, P. and Rodriguez-Iturbe, I. 2009. Ecohydrology of groundwater-dependent ecosystems: 1. Stochastic water table dynamics. Water Resources Research 45: 1-13.
- McLaughlin, M.S., Wright, R.A. and Jiricka, R.D. 2010. Field guide to the ecosites of Saskatchewan's provincial forests. Saskatchewan Ministry of Environment, Forest Service. Prince Albert, SK. (Also available on the internet).
- Natural Resources Canada. 2010. Natural Resources Canada 2010. Accessed December 8, 2010 from http://earthquakescanada.nrcan.gc.ca/hazard-alea/zoning/NBCC2005maps-eng.php.
- Saskatchewan Environment. 2007. Reclamation and Approvals Guidelines, 2007. Saskatchewan Strip Mined Coal Lands. Publication EPB 343. Regina, SK.
- SMOE. 2008. Guidelines for Northern Mine Decommissioning and Reclamation. Version 6. Document EPB 381. Regina, SK.
- Stone, E.L. and Kalisz, P.J. 1991. On the maximum extent of tree roots. Forest Ecology and Management 46: 59-102.
- Thurber Consultants Ltd., Land Resources Network Ltd. and Norwest Soil Research Ltd. 1990. Review of the effects of storage on topsoil quality. Report RRTAC 90-5. Reclamation Research Technical Advisory Committee. Edmonton, AB.
- Turchenek, LW (ed.). 1990. Present and potential effects of anthropogenic activities on waters associated with peatlands in Alberta. Prep. for Alberta Environment by



Environmental Research and Engineering Department, Alberta Research Council. Edmonton, AB. 420 pp.

- van der Valk, A.G. 2005. Water-level fluctuations in North American prairie wetlands. Hydrobiologia 539: 171-188.
- Weltzin, J.F., Pastor, J., Harth, C., Bridgham, S.D., Updegraff, K. and Chapin, C.T. 2000. Response of bog and fen plant communities to warming and water-table manipulations. Ecology 81: 3,464 - 3,478.
- Wiens, JH et al. 1987. Sensitivity of Western and Northern Canada Soil and Geology to Acidic Inputs. Prepared for Technical Committee, Western and Northern Canada Long-Range Transport of Atmospheric Pollutants by Western and Northern Canada LRTAP Coordinating Committee on Soil and Geology Sensitivity Mapping. B.C. Ministry of Environment and Parks, Victoria, BC.).

6.2.2 Climate and Air Quality

- AWMA. 1992. Air Pollution Engineering Manual. Editors: A.J. Buonicore and W.T. Davis, Air & Waste Management Association. Van Nostrand Reinhold, New York, U.S.
- Beer, T. 1989. A Simple Model for Predicting Dust Deposition in the Vicinity of Open-cut Mines. Clean Air. 1989, 23(1); 46-48.
- CAA. 1996. Saskatchewan Clean Air C-12.1 (and amendments), Ambient Air Quality Standards (Appendix), Regina, SK.
- CEAA. 1999. Cumulative Effects Assessment Practitioners' Guide. Prepared by AXYS Environmental Consulting Ltd. and the Cumulative Impact Assessment Working Group. Ottawa, February 1999.
- Cowherd, C. Jr. et al. 1974. Development of Emissions Factors for Fugitive Dust Sources, EPA-450/3-74-03, U. S. Environmental Protection Agency, Research Triangle Park, NC, June.
- Environment Canada. 2010. Air. Accessed November 29th, 2010 from http://www.ec.gc.ca/Air/default.asp?lang=En&n=14F71451-1?WT.mc_id=airf
- Environment Canada. National Climate Data and Information Archive. Internet address: http://climate.weatheroffice.gc.ca/climate_normals/index_e.html
- EPA. 2010. Inventory of US Greenhouse Gas Emissions and Sinks: 1990-2008. Report # 430-R-10-006. US Environmental Protection Agency, Research Triangle Park, NC, April 2010.
- EPA. 2008. EPA NONROAD Model 2008a. EPA-420-F-09-020. Office of Transportation and Air Quality, April 2009. From http://www.epa.gov/otaq/nonrdmdl.htm



- EPA. 2004. Title 40 CFR Part 58 Ambient Air Quality Surveillance. Appendix E Probe and Monitoring Path Siting Criteria for Ambient Air Quality Monitoring. U.S. EPA, Research Triangle Park, NC, July 2010 (revised).
- EPA. 1995. AP-42 Compilation of Air Pollutant Emission Factors, Volume I Stationary Point and Area Sources – 5th Edition. Office of Transportation and Air Quality, January 1995.
- IPCC. Year. Accessed November 30th, 2010 from http://www.ipcc.ch
- Jutze, GA et al. 1974. Investigation of Fugitive Dust Sources Emissions and Control,
- EPA. 1974. EPA-450/3-74-036a. US Environmental Protection Agency, Research Triangle Park, NC, June 1974.
- SMOE. 2007. Air Monitoring Directive for Saskatchewan (Draft), Saskatchewan Ministry of Environment, Environmental Protection Branch, Air and Land Section, Environmental Sciences Unit, Regina, SK, April 2007
- Parrett, FW. 1992. Dust emissions: Dustcon and Stockpile software. F.W. Parrett Limited, Dust Measurement & Control, London, U.K.
- Westerholm, RN, et al. 1991. Chemical and biological characterization of particulate-, semivolatile-, and gas-phase-associated compounds in diluted heavy-duty diesel exhausts. Environ. Sci. Technol. 25:332-338.

6.2.3 Noise

- Busnel, RG and D Molin. 1971. Preliminary results of the effects of noise on gestating female mice and their pups. Pages 209-247 in JL Fletcher and RG Busnel, eds. Effects of noise on wildlife. Academic Press, New York.
- Casaday, RB and RP Lehmann. 1967. Responses of Farm Animals to Sonic Booms, Sonic Boom Experiments at Edwards Airforce Base.
- Environment Australia. 1998. Noise, Vibration and Blast Control Best Practice Environmental Management in Mining. ISBN 0 642 54510 3.
- IEPA. 2006. Guidance Note for Noise in Relation to Scheduled Activities. 2nd Edition. Publ. Environmental Protection Agency, Wexford, Ireland.
- International Standards Organization. 1969. Noise assessment with respect to community responses, ISO/TC 43.
- ERCB. 2007. Directive 038: Noise Control. Bulletin 2007-04, February 16, 2007. Alberta Energy Resources Conservation Board, Calgary, Alberta.
- Fletcher, JL and RG Busnel. 1978. Effects of Noise on Wildlife, Academic Press, New York.



- Griffiths, MA and JAH Oates. 1978. The propagation of sound from quarry blasting. Journal of Sound and Vibration 60(3): 359-370.
- Harris, CM. 1979. Handbook of Noise Control. McGraw-Hill Book Company, New York.
- Hansen, CH and X Qiu. 2004. Engineering Noise Control. 3rd Edition. Causal Systems, Rundle Mall SA, Australia.
- Holland, KA and K Attenborough. 1981. Noise Assessment and Control. Construction Press, Essex, UK.
- Linehan, P and J Wiss. 1980. Vibration and air blast noise from surface coal mine blasting. Preprint No. 80-336. Society of Mining Engineers of AIME. Littleton, Colorado. 5 pp.
- Passchier-Vermeer, W and WF Passchier. 2000. Noise Exposure Environmental Health Perspectives, 108 (Supp 1), March 2000.
- Power Acoustics, Inc. 2010. We're Power Acoustics, Inc Acoustical Consultants. Accessed December 2nd, 2010 from http://www.poweracoustics.com.
- WHO. 1999. Guidelines for Community Noise, Edited by Birgitta Berglund, World Health Organization, Thomas Lindvall, and Dietrich Schwela, Geneva, April.
- World Bank. 1999. The Pollution Prevention and Abatement Handbook. The International Bank for Reconstruction and Development / The World Bank, Washington, D.C. April 1999.
- Welch, BL and AS Welch. 1970, Physiological Effects of Noise, Plenum Press.

6.2.4 Hydrology

SRK Consulting (U.S.), Inc., Groundwater Modeling of Feasibility Dewatering Requirements for Star and Orion South Pits and Possible Hydrogeological Impact, Prepared for Shore Gold, Inc. 25 August 2011

6.2.5 Navigable Waters

- AMEC. 2010. Saskatchewan River hydrotechnical and dispersion modeling study Start Diamond Project – 2010 (Draft Report). Prepared for Shore Gold Inc., Saskatoon, Saskatchewan.
- CanNorth. 2006. Technical memorandum. Crossing design for the White Fox River (SW18-51-20 W2). Prepared for Mid Con Engineering Ltd., Prince Albert, Saskatchewan.
- Minister of Justice. 2009. Navigable waters protection act. Chapter N-22. http://lawslois.justice.gc.ca.
- Public Works and Government Services Canada. 2009. Canada Gazette Part I. May 9, 2009. Volume 143, No. 19. Government of Canada, Ottawa, Ontario.



6.2.6 Geology and Hydrogeology

- HCI. 2005a. Preliminary hydrogeologic evaluation of Fort à la Corne JV project area and predicted ground-water conditions during mining: report submitted to SRK Consulting, September 2005.
- HCI. 2005b. Preliminary hydrogeologic evaluation of the Fort à La Corne JV project area and predicted ground-water conditions during mining. Consultants, Inc. of Colorado, HCI-1819, November 2005 (an update of September 2005 report).
- HCI. 2006. Preliminary ground-water flow model for Star Kimberlite Project and predicted inflow to proposed open pit and associated drawdowns: technical memorandum submitted to Shore Gold, March 31 2006.
- HCI 2007a. 2006-2007 Pre-feasibility level hydrogeological investigation of the Fort a La Corne JV project area. Hydrologic Consultants Inc. of Colorado an HCItasca Company, June 2007.
- HCI. 2007b. Pre-feasibility Level Hydrogeologic Investigation of Star Kimberlite Area, Hydrologic Consultants Inc. of Colorado an HCItasca Company, HCI-1819, August 2007.
- SMOE. 2008. 2008 Spatial GIS dataset for Saskatchewan.
- SRK. 2009. Groundwater Modelling of Possible Hydrological Impact of Dewatering the Proposed Star and Orion South Pits. Prepared for Shore Gold Inc. August 2009.
- SRK. 2010. Groundwater Modelling of Possible Hydrological Impact of Dewatering the Proposed Star and Orion South Pits 2010 - Update. Prepared for Shore Gold Inc. November 2010. Draft Report – Pending.

6.2.7 Surface Water Quality

- CCME. 2007. Canadian water quality guidelines for the protection of freshwater aquatic life. Environment Canada, Winnipeg, Manitoba.
- Health Canada. 2008. First Nations, Inuit and Aboriginal Health. Accessed February 10, 2009 from http://www.hc-sc.gc.ca/fniah-spnia/substan/ads/nnadap-pnlaada_dir-rep-eng.php.
- SMOE. 2006. Surface water quality objectives (SSWQO), interim edition. Environmental Protection Branch, Regina, Saskatchewan.SKCDC. 2009.

6.2.8 Environmental Health

Alberta Environment. 1999. Surface Water Quality Guidelines for Use in Alberta. Environmental Assurance Division, Science and Standards Branch.



- British Colimbia Ministry of Environment. 2006. British Columbia Approved Water Quality Guidelines, Science and Information Branch, Water Quality, British Columbia Ministry of Environment.
- CanNorth. 2008. Ecotoxicity Study at the Star Diamond Project, Saskatchewan, Final Report, Prepared for Shore Gold Resources Inc. Saskatoon, Saskatchewan and Kensington Resources Ltd., Victoria, British Columbia, Canada North Environmental Services, Saskatoon, SK, November, 2006.
- CCME. 1999 (updated 2007). Canadian Water Quality Guidelines for the Protection of Aquatic Life, Canadian Council of Ministers of the Environment, Winnipeg, MN.
- CCME. 2010. DRAFT Scientific Criteria Document for the Development of a Canadian Water Quality Guideline for Chloride, June 2010.
- Galbrand, C, G Lemieux, AE Ghaly, R Côté and M Verma. 2008. Water Quality Assessment of a Constructed Wetland Treating Landfill Leachate and Industrial Park Runoff. American Journal of Environmental Sciences, 4:110-120.
- Ontario Ministry of Environment. .2009. Rationale for the Development of Soil and Ground water Standards for Use at contaminated Sites in Ontario, December, 2009, Standards Development Branch, Ontario Ministry of the Environment, Toronto, ON.
- Saskatchewan Environment. 2006. Surface Water Quality Objectives: Interim Edition, Saskatchewan Environment, Regina SK, July 2006.
- Suter, II, GW and CL Tsao. 1996. Toxicological Benchmarks for Screening Potential Contaminants of Concern for Effects on Aquatic Biota: 1996 Revision, Oak Ridge National Laboratory.
- US EPA. 2006. National Recommended Water Quality Criteria. United States Environmental Protection Agency, Office of Water, Office of Science and Technology, 4304T, Washington, D.C.

6.3 Biological Environment

6.3.1 Fisheries and Aquatic Resources

- BC MOE. 1999. Ambient water quality guidelines for zinc overview report. Government of BC Ministry of Environmental Protection Division.
- Block, D. 2001. Growth estimates, habitat use, and ecology of the lake sturgeon, *Acipenser fulvescens* Rafinesque, from Round Lake and mature reservoirs in the Winnipeg River. M.Sc. Thesis, Department of Zoology, University of Manitoba, Winnipeg, Manitoba.
- Bruch R and F Binkowski. 2002. Spawning behavior of lake sturgeon (*Acipenser fulvescens*). Journal of Applied Ichthyology 18:570-579.



- CanNorth. 2008. Ecotoxicity study at the Star Diamond Project, Saskatchewan. Prepared for Shore Gold Resources Inc., Saskatoon, Saskatchewan.
- CanNorth. 2010. Shore Gold Inc. Star-Orion South diamond project near Prince Albert, Saskatchewan. Aquatic baseline investigations (Revised Final Report). Prepared for Shore Gold Inc. and AMEC Earth and Environmental, Saskatoon, Saskatchewan.
- CanNorth. 2011. Shore Gold Star-Orion South diamond project fish habitat quantification report. Prepared for Shore Gold Inc. and AMEC Earth and Environmental, Saskatoon, Saskatchewan.
- CanNorth. 2012. Star-Orion South diamond project 2011 additional aquatic investigations. Prepared for Shore Gold Inc. and AMEC Earth and Environmental, Saskatoon, Saskatchewan.
- Carlander, K.D. 1969. Handbook of freshwater fishery biology. Vol. 1. Iowa State University Press, Ames, Iowa.
- CCME. 2011. Canadian environmental quality guidelines for the protection of freshwater aquatic life. Canadian environmental quality guidelines. Canadian Council of Ministers of the Environment.
- Chiasson, WB, DLG Noakes and FWH Beamish. 1997. Habitat, benthic prey, and distribution of juvenile lake sturgeon (*Acipenser fulvescens*) in northern Ontario rivers. Canadian Journal of Fisheries and Aquatic Sciences 54:2866-2871.
- Colby, PJ, RE McNicol and RA Ryder. 1979. Synopsis of biological data on the walleye Stizostedion v. vitreum (Mitchill 1818). Contribution 77-13, Ontario Ministry of Natural Resources, Fish. Res. Sect. Food and Agriculture Organization of the United Nations.
- COSEWIC. 2010. Wildlife species search. Accessed August 17, 2010 from http://www.sararegistry.gc.ca/species/speciesDetails_e.cfm?sid=955
- Dence, WA. 1948. Life history, ecology, and habits of the dwarf sucker, *Catostomus commersonnii utawana* Mather, at the Huntington Wildlife Station. Roosevelt Wildl. Bull. 8(4):81-150.
- DFO. 1997. Fisheries and Oceans Canada Saskatchewan operational statement clearspan bridges. Version 3.0. Regina, Saskatchewan.
- DFO. 1998. Decision framework for the determination and authorization of harmful alteration, disruption or destruction of fish habitat. Department of Fisheries and Oceans, Habitat Management and Environmental Science, Habitat Management Branch, Ottawa, Ontario.
- DFO. 2007. Saskatchewan operational statement: timing windows. Version 3.0. Department of Fisheries and Oceans, Habitat Management and Environmental Science, Habitat Management Branch, Ottawa, Ontario.



- Dosskey, MG. 2002. Setting priorities for research on pollution reduction functions of agricultural buffers. Environ. Management 30(5): 641-650.
- Environment Canada. 2002. Metal mining guidance document for aquatic environmental effects monitoring. Environment Canada, National EEM Office, Science Policy and Environmental Quality Branch, Ottawa, Ontario.
- Forbes, SA and RE Richardson. 1920. The fishes of Illinois. Ill. Nat. Hist. Surv. pp. 85-86.
- Golder. 2006. Baseline aquatic environment data for the Fort a la Corne Joint Venture advanced exploration program 2006. Prepared for Shore Gold Inc., Saskatoon, Saskatchewan.
- Government of Canada. 2010. Species profile lake sturgeon Saskatchewan River populations. Accessed August 17, 2010 from http://www.sararegistry.gc.ca/species/speciesDetails_e.cfm?sid=955
- Kempinger, JJ. 1996. Substrate preference of juvenile hatchery-reared lake sturgeon, *Acipenser fulvescens*. Environmental Biology of Fishes 56:367-374.
- Langhorne, AL, M Neufeld, G Hoar, V Bourhis, DA Fernet and CK Minns. 2001. Life history characteristics of freshwater fishes occurring in Manitoba, Saskatchewan and Alberta, with major emphasis on lake habitat requirements. Canadian Manuscript Report of Fisheries and Aquatic Sciences 2579.
- Nelson, JS. 1968. Hybridization and isolating mechanisms between *Catostomus commersoni* and *C. macrocheilus* (Pisces:Catostomidae). J. Fish. Res. Board Can. 25(1):101-150.
- Peterson, DL, P Vecsei and CA Jennings. 2007. Ecology and biology of the lake sturgeon: a synthesis of current knowledge of a threatened North American Acipenseridae. Reviews of Fish Biology and Fisheries 17:59-76.
- Riseng, CM, MJ Wiley, RW Black and MD Munn. 2011. Impacts of agricultural land use on biological integrity: a causal analysis. Ecol. Appl. 21(8):3128-3146.
- Rosenberg, DM, VH Resh and RS King. 2008. Use of aquatic insects in biomonitoring. In: Merritt, R W, K W Cummins, and M B Berg (eds.). An introduction to the aquatic insects of North America. Kendall Hunt Publishing Co., Dubuque, Iowa., pp. 123-137.
- Ryder, RA. 1977. Effects of ambient light variations on behavior of yearling, subadult, and adult walleyes (*Stizostedion vitreum vitreum*). Journal of the Fisheries Research Board of Canada 34(10):1481-1491.
- Schneberger, E. 1977. The white sucker, its life history, ecology, and management. Dept. Nat. Res., Madison, Wisconsin.



- Scott, WB and EJ Crossman. 1998. Freshwater fishes of Canada. Bulletin 184. Fisheries Research Board of Canada.
- SE. 2006. Surface water quality objectives, Interim edition. EPB 356, Regina, Saskatchewan.
- SKCDC. 2009. Saskatchewan Conservation Data Centre taxa list for vertebrates. Accessed February 2009 from http://www.biodiversity.sk.ca/Docs/verts.pdf.
- Stewart, JS, L Wang, J Lyons, JA Horwatich, and R Bannerman. 2001. Influences of watershed, riparian-corridor, and reach-scale characteristics on aquatic biota in agricultural watersheds. J. Amer. Water. Res. Assoc. 37(6):1475-1487.
- SWA. 2008. The use of risk assessment analysis to identify quality and at risk habitat for the Saskatchewan Rivers lake sturgeon (*Acipenser fulvescens*) population. Stewardship Division. Saskatchewan Watershed Authority.
- SWA. 2009. Implications for flow management on lake sturgeon habitat within the Saskatchewan River system: current results and future framework. Science, Information and Monitoring Division. Saskatchewan Watershed Authority.
- SWA. 2012. Carrot River Watershed source water protection plan. Prepared in association with the Carrot River Valley Watershed Association.
- Teels, BM, CA Rewa, and J Myers. 2006. Aquatic condition response to riparian buffer establishment. Wildlife Soc. Bull. 34(4):927-935.
- Twomey, KA, KL Williamson, and PC Nelson. 1984. Habitat suitability index models and instream flow suitability curves: white sucker. U.S. Fish and Wildlife Service. FWS/OBS 82/10.64.
- US EPA. 1995. National recommended water quality criteria, aquatic life criteria table, zinc. http://water.epa.gov/scitech/swguidance/standards/criteria/current/index.cfm.
- Wetzel, R.G. 2001. Limnology, lake and river ecosystems. (3rd ed.). Academic Press, San Diego, California.
- Wichert, GA and DJ Rapport. 1998. Fish community structure as a measure of degradation and rehabilitation of riparian systems in an agricultural drainage basin. Environ. Management. 22(3):425-443.
- Yates AG, RC Bailey, and JA Schwindt. 2007. Effectiveness of best management practices in improving stream ecosystem quality. Hydrobiologia. 583:331-334.

6.3.2 Vegetation and Plant Communities

Fahselt, D. 2007. Is transplanting an effective means of conserving vegetation? Canadian Journal of Botany 85: 1007-1017.



- Government of Saskatchewan. 1984. The Noxious Weeds Act and regulations. Saskatchewan Queen's Printer. Accessed November 2010 from http://www.qp.gov.sk.ca/index.cfm?fuseaction=publications.details&p=742.
- Halsey, L and DH Vitt. 1997. Alberta Wetland Inventory Standards Version X.X. *in* Alberta Vegetation Inventory Standards Manual. R. Nesby. Resource Data Division, Alberta Environmental Protection. Edmonton, Alberta.
- SKCDC. 2003. Saskatchewan Activity. Saskatchewan Conservation Data Centre. Restriction Guidelines for sensitive species in natural habitats. 2010. Accessed November, 2010 from http://www.biodiversity.sk.ca/Docs/SKactivityrestrictionsbackground.pdf.
- SKCDC. 2010. Guide to rank definitions. Saskatchewan Conservation Data Centre. Accessed May 2010 from http://www.biodiversity.sk.ca/ftp.htm.
- SMOE. 2008. 2008 Spatial GIS dataset for Saskatchewan.
- UNEP. 2010. Convention on Biological Diversity. United Nations Environment Programme. Accessed on line November 23rd, 2010 at http://www.cbd.int/.
- Walker, DA and KR Everett. 1991. Loess Ecosystems of Northern Alaska: Regional Gradient and Toposequence at Prudhoe Bay. Ecological Monographs, 61: 437-464.

6.3.3 Wildlife and Habitat

- Andersen, DE, OJ Rongstaf and WR Mytton. 1990. Home range changes of raptors exposed to increased human activity. Wildl. Soc. Bull. 18:134-142.
- Allen, AW. 1983. Habitat suitability index models: beaver. U.S. Fish and Wildl. Serv. FWS / OBS-82 / 10.30 revised. 20 pp.
- Allen, AW, PA Jordan, and JW Terrell. 1987. Habitat suitability index models: moose, Lake Superior region. U.S. Fish and Wildlife Service Biological Report 82(10.155). 47 pp.
- Arsenault, AA. 1990. Wetland selection and nest site use by resident Canada geese, Saskatoon Saskatchewan. University of Saskatchewan. College of Graduate Studies. Unpublished paper. 30 pp.
- Arsenault, AA. 1994. Factors influencing waterfowl crop damage in the aspen parkland. Saskatchewan Environment and Resource Management. Wildlife Technical Report 94-2. 72 pp.
- Arsenault, AA. 1996. Biological and economic factors of waterfowl crop damage prevention efforts in the Little Quill / Foam Lakes area. Saskatchewan Environment and Resource Management. Wildlife Technical Report 96-1. 44 pp.



Star-Orion South Diamond Project Environmental Impact Statement

- Arsenault, AA. 1998. Saskatchewan elk *(Cervus elaphus)* management strategy. Saskatchewan Environment and Resource Management. Fish and Wildlife Technical Report 1998-01. 90 pp.
- Arsenault, AA. 2000. Status and management of moose (*Aces alces*) in Saskatchewan. Saskatchewan Environment and Resource Management. Fish and Wildlife Technical Report 2000-01. 84 pp.
- Arsenault, AA. 2008. Saskatchewan elk (*Cervus elaphus*) management plan update.
 Saskatchewan Environment. Fish and Wildlife Branch Technical Report 2008-03.
 63 pp.
- Arsenault, AA. 2009. Disturbance impact thresholds: recommended land use guidelines for protection of vertebrate species of concern in Saskatchewan. Saskatchewan Ministry of Environment. Lands Branch -Fish and Wildlife Branch Technical Report 2009-06. 94 pp.
- Bechard, MJ., RL Knight, DG Smith and RE Fitzner. 1990. Nest sites and habitats of sympatric hawks (*Buteo* spp.) in Washington. J. Field Ornithol. 61:159-170.
- Bellrose, FC. 1980. Ducks, geese and swans of North America, Third edition. Stackpole Books. Harrisburg, Pennsylvania. 540 pp.
- Brace, RK. 1972. A study of the nesting ecology, productivity and mortality of Canada geese at Waterhen Marsh. Saskatchewan. M.Sc. Thesis. University of Saskatchewan, Regina campus.
- Bromley, M. 1985. Wildlife management implications of petroleum exploration and development in wildland environments. U.S. Dept. of Agric.. Forest Serv. General Tech. Report INT-191.
- Burger, J. 1985. Habitat selection in temperate marsh-nesting birds. <u>in</u> M.L. Cody: Habitat Selection in Birds. Academic Press, Inc. Orlando, Florida.
- Christensen, AG, LJ Lyon and JW Unsworth. 1993. Elk management in the northern region: considerations in forest plan updates or revisions. USDA Forest Service. General Technical Report INT-303. Utah. 10 pp.
- Costello, CM and RW Sage, Jr. 1994. Predicting black bear habitat selection from food abundance under 3 forest management systems. Int. Conf. Bear Res. and Manage. 9(1):375-387.
- COSEWIC. 2006. COSEWIC assessment status report on the Rusty Blackbird (*Euphagus carolinus*) in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. www.sararegistry.gc.ca/status_e.cfm. Accessed April 2010.
- COSEWIC. 2007a. COSEWIC assessment status report on the Common Nighthawk (Chordeiles minor) in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. www.sararegistry.gc.ca/status_e.cfm. Accessed April 2010.



- COSEWIC. 2007b. COSEWIC assessment status report on the Chimney Swift *(Chaetura pelagic)* in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. www.sararegistry.gc.ca/status_e.cfm. Accessed April 2010.
- COSEWIC. 2008a. COSEWIC assessment status report on the Canada Warbler (*Wilsonia canadensis*) in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. www.sararegistry.gc.ca/status_e.cfm. Accessed April 2010.
- COSEWIC. 2008b. COSEWIC assessment status report on the Short-eared Owl (Asio flammeus) in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. www.sararegistry.gc.ca/status_e.cfm. Accessed April 2010.
- COSEWIC. 2009a. COSEWIC assessment status report on the Whip-poor-will (*Caprimulgus vociferous*) in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. www.sararegistry.gc.ca/status_e.cfm. Accessed April 2010.
- COSEWIC. 2009b. COSEWIC assessment status report on the Horned Grebe (*Podiceps auritus*) in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. www.sararegistry.gc.ca/status_e.cfm. Accessed April 2010.
- EcoDynamics Consulting Inc. 2009. Terrestrial baseline surveys: Star-Orion South diamond project. Prepared for Shore Gold Inc. Saskatoon.
- Erskine, A. 1992. Atlas of Breeding Birds of Canada. Canadian Wildlife Service. Environment Canada.
- Friar, JL, EH Merrill, HL Beyer, and JM Morales. 2008. Thresholds in landscape connectivity and mortality risks in response to growing road networks. J. Appl. Ecol. 45:1504-1513.
- Frid, A, and L Dill. 2002. Human-caused disturbance stimuli as a form of predation risk. Conserv. Ecol. 6(1): 11 Accessed December, 2010 from http://www.consecol.org/vol6/iss1/art11/.
- Forman, RTT, DS. Friedman, D Flitzhenry, JD Martin, AS Chen, and LE Alexander. 1997.
 Ecological effects of roads: Toward three summary indices and overview for North America. pp 40-54 <u>in</u> K Canters (ed.). Habitat Fragmentation and Infrastructure.
 Ministry Transportation, Public Works and Water Management. Delft Netherlands. 474 pp.
- Fortin, C, M Laliberté and J Ouzilleau. 2002. Management guide for land used by beavers in Quebec. Sainte-Foy, Foundation de la faune du Quebec. 108 pp.
- Giroux, JF, DE Jelinski and RW Boychuk. 1983. Use of rock islands and round bales by nesting Canada geese. Wildl. Soc. Bull. 11(2):172-178.
- Gunson, JR. 1993. Management plan for black bears in Alberta. Environmental Protection. Fish and Wildlife Services. Wildlife Management Planning Series No. 10, Edmonton. 116 pp.



Star-Orion South Diamond Project Environmental Impact Statement

- Harrison, RB., FKA Schmieglow, and R Naidoo. 2005. Stand-level response of breeding forest songbirds to multiple levels of partial-cut harvest in four boreal forest types. Can. J. For. Research 35: 1553-1567.
- Harlow, DL and PH Bloom. 1987. Buteos and the golden eagle. Pp 102-110 <u>in</u> Proc. of the Western Raptor Management Symposium and Workshop. Natl. Wildl. Fed. Sci. and Tech. Series No. 12. Washington. 320 pp.
- Hebblewhite, M. and E Merrill. 2008. Modelling wildlife-human relationships for social species with mixed-effects resource selection models. J. Appl. Ecol. 45:834-844.
- Hobson, KA and J Schieck. 1999. Changes in bird communities in boreal mixedwood forest: harvest and wildfire effects over 30 years. Ecol. Appl. 9(3):849-863.
- Holt, DW. 1993. Breeding season diet of short-eared owls in Massachusetts. Wilson Bull. 105:490-494.
- Hugie, RD. 1979. Working group report: central and northeast Canada and United States. pp 250-271 *in* D Burk (ed). The Black Bear in Modern North America. Boone and Crockett Club. Amwell Press, Clinton, New Jersey.
- Ims, RA and HP Andersen. 2000. Spatial synchronization of vole population dynamics by predatory birds. Nature 208:194-196.
- Iverson, SJ, JE McDonald, Jr, and LK Smith. 2001. Changes in the diet of free-ranging black bears in years of contrasting food availability revealed through milk fatty acids. Can. J. Zool. 79: 2268-2279.
- Jalkotzy, MG., PI Ross, and MD Nasserden. 1997. The Effects of Linear Developments on Wildlife: A Review of Selected Scientific Literature. Prepared for Canadian Association of Petroleum Producers. Arc Wildlife Services Ltd., Calgary. 115pp.
- Jenkins, SH and PE Busher. 1979. *Castor canadensis*. American Society of Mammalogy, New York. Mammalian Species 120:1-8.
- Johns, BW. 1993. The influence of grove size on bird species richness in aspen parklands. Wilson Bull. 105(2): 256-264.
- Kaminski, RM and HH Prince. 1977. Nesting habitat of Canada geese in southeastern Michigan. Wilson Bull. 89(1):523-531.
- Kaminski, RM and HH Prince. 1984. Dabbling duck-habitat associations during spring in Delta Marsh, Manitoba. J. Wildl. Manage 48(1):37-50.
- Kennedy, E and I McTaggart-Cowan. 1998. Sixteen years with a bald eagle's *Haliaeetus leucocephalus*, nest. Can. Field. Nat. 112:704-706.
- Laliberte, AS and WJ. Ripple. 2004. Range contractions of North American carnivores and ungulates. BioScience 54(2):123-138.



Star-Orion South Diamond Project Environmental Impact Statement

- Larkin, RP, D Margoliash, and JA Kogan. 1996. Recognition of the utterances of terrestrial wildlife: a new approach. J. Acoust. Soc. Am. 99(4) 2532-2574.
- Larson, MA, WD Dijak, FR Thompson, III, and JJ Millspaugh. 2003. Landscape-level habitat suitability models for twelve wildlife species in southern Missouri. United States Department of Agriculture. Forest Service. North Central Research Station. General Technical Report NC-233. St. Paul, Minnesota. 51 pp.
- Laurian, C, C Dussault, JP Ouellet, R Courtois, M Poulin, and L Breton. 2008. Behaviour of moose relative to a road network. J. Wildl. Manage. 72(7):1550-1557.
- Lawton, JH 1994. What do species do in ecosystems? Oikos 71(3):267-374.
- Lindzey, FG. and EC Meslow. 1976. Winter dormancy in black bears in south-western Washington. J. Wildl. Manage. 40:408-415.
- Lister, R and R Bailey. 1994. Hinterland Who's Who Mallard. Bird fact sheets. Government of Canada, Ministry of Environment. Ottawa.
- Malecki, RA, FD Caswell, RA Bishop, KM Babcock and MM Gillespie. 1981. A breedingground survey of EPP Canada geese in northern Manitoba. J. Wildl. Manage. 45(1):46-53.
- Martinsen, GD, EM Driebe and TG Whitham. 1998. Indirect interactions mediated by changing plant chemistry: beaver browsing benefits beetles. Ecology 79(1): 192-200.
- Morgantini, LE and RJ Hudson. 1979. Human disturbance and habitat selection in elk. pp 132-139 <u>in</u> MS Boyce and LD Hayden-Wing (eds). North American Elk: Ecology, Behaviour and Management. Univ. Of Wyoming, Laramie.
- Olendorff, RR, DD Bibles, MT Dean, JR Haugh, and MN Kochert. 1989. Raptor habitat management under the U.S. Bureau of Land Management multiple-use mandate. Raptor Research Reports No. 8 80 pp.
- Page, RD. and JF Cassel. 1971. Waterfowl nesting on a railroad right-of-way in North Dakota. J. Wildl. Manage. 35(3):544-549.
- Pater, LL, TG Grubb, and DK Delaney. 2009. Recommendations for improved assessment of noise impacts on wildlife. J. Wildl. Manage. 73(5):788-795.
- Paton, PWC. 1994. The effect of edge in avian nest success: how strong is the evidence? Conserv. Biol. 8: 17-26.
- Peek, JM. 1998. Habitat relationships. Pp. 351-375 in A.W. Franzmann and C.C. Schwartz, (eds). Ecology and Management of the North American Moose. Smithsonian Institute Press. Washington, D.C. 733 pp.
- Pelton, MR. 2000. Black bear. <u>in</u> S Demarais and PR Krausman (eds). Ecology and Management of Large Mammals in North America. Prentice-Hall Inc., Upper Saddle River, New Jersey. Pp. 389-408.



- Pelton, MR, AB Coley, TH Eason, DL Doan Martinez, JA Pederson, FT van Manen and KM Weaver. 1999. American black bear conservation action plan. Pages 144–156 <u>in</u> C. Servheen, S. Herrero, and B. Peyton (compilers). Bears. Status survey and conservation action plan. I UCN / SSC bear and polar bear specialist groups. IUCN, Gland, Switzerland and Cambridge, UK.
- Reijnen, RaAnd R Foppen. 1994. The effects of car traffic on breeding bird populations in woodland. I. Evidence of reduced habitat quality for willow warblers (Phylloscopus trochilus) breeding close to a highway. J. Appl. Ecol. 31: 85-94.
- Richkus, KD. 2002. Northern pintail nest site selection, nest success, renesting ecology, and survival in the intensively farmed prairies of southern Saskatchewan: an evaluation of the ecological trap hypothesis. Ph.D. Thesis. Louisiana State University. 137 pp.
- Rifflell, SK, KJ Gutzwiller and SH Anderson. 1996. Does repeated human intrusion cause cumulative declines in avian richness and abundance? Ecol. Appl. 6:492-505.
- Rogers, LL. 1987a. Effects of food supply and kinship on social behaviour, movements and population growth of black bears in northeastern Minnesota. Wildl. Monogr. 97. 72 pp.
- Rogers, LL. 1987b. Factors influencing dispersal in the black bear. pp 75-84 *in* B.D. Chepko-Sade and Z.T Halpin (eds). Mammalian Dispersal Patterns: The Effects of Social Structure on Population Genetics. University of Chicago Press, Chicago.
- Rogers, LL. 1993. The role of habitat quality in the natural regulation of black bear populations. Proc. 4th Western Black Bear Workshop: 95-102. Yosemite National Park, California. Technical Report NPS / NRWR / NRTR-93/12.
- Rogers, LL and AW Allen. 1987. Habitat suitability index models: black bear, Upper Great Lakes Region. U.S. Dept. of the Interior. Fish and Wildlife Service. Biological Report 82(10.144). 54 pp.
- Rost, GR and JA Bailey. 1979. Distribution of mule deer and elk in relation to roads. J. Wildl. Manage. 43(3):634-641.
- Rusch, DA and WG Reeder. 1978. Population ecology of Alberta red squirrels. Ecology 59(2):400-420.
- Samson, C. 1996. Modéle d'indice de qualité d'habitat (HSI) pour l'ours noir *(Ursus americanus)* au Québec. Gouv. du Québec, Min. de l'Environnement et de la faune, Direction générale de la resource faunique et des parcs. Quebec, Canada.
- Schoen, JW. 1990. Bear habitat management: a review and future perspective. Int. Conf. Bear Res. and Manage 8:143 154.
- Schroeder, LD, DR Anderson, RS Pospahala, GGW Robinson, and FA Glover. 1976. Effects of early water application on waterfowl production. J. Wildl. Manage. 40(2):227-232.



- Slough, BG. and RMFS Sadleir. 1977. A land capability classification system for beaver (*Castor canadensis* Kuhl). Can. J. Zool. 55(8):1324-1335.
- SMOE. 2003. Saskatchewan activity restriction guidelines for sensitive species in natural habitats. Accessed December, 2010 from http://www.biodiversity.sk.ca/Docs/SKactivityrestrictions.pdf.
- SMOE. 2009. Final Project Specific Guidelines for the Preparation of an Environmental Impact Statement: Star-Orion South Diamond Project, Fort à la Corne Provincial Forest, Saskatchewan. Prepared for Shore Gold Inc. by Province of Saskatchewan, Ministry of Environment. November 2009. 28 pp.
- SMOE. 2010a. Saskatchewan fur harvest statistics database.
- SMOE. 2010b. Accessed December, 2010 from http://www.environment.gov.sk.ca/Default.aspx?DN=22226da5-65fd-4286-af98-08575f913fb9.
- Thompson, ID and RW Stewart. 1998. Management of moose habitat. Pp. 377-401 <u>in</u> A.W. Franzmann and C.C. Schwartz, (eds). Ecology and Management of the North American Moose. Smithsonian Institute Press. Washington, D.C. 733 pp.
- Wheatley, MT. 1999. Does density reflect habitat quality for red squirrels during a spruce cone failure? M.Sc. Thesis. University of Alberta. Edmonton. 42 pp.
- Whitcomb, RF, CS. Robbins, JF Lynch, BL Whitcomb, MK Klimkiewicz, and D Bystrak.
 1981. Effects of forest fragmentation on avifauna of the eastern deciduous forest.
 Pp. 125-200 *in* Forest Island Dynamcs in Man-dominated Landscapes (RL Burgess and DM Sharpe, eds). Springer-Verlag, New York.

6.3.4 Biodiversity

SMOE. 2008. 2008 Spatial GIS dataset for Saskatchewan.

6.4 Human Environment

6.4.1 Social and Economic Effects

- AECOM. 2010. Senior Project engineer, Transportation. Email communication. November 2010.
- ANZMEC (Australian and New Zealand Minerals and Energy Council). 2000. Strategic Framework for Mine Closure. Access July 10, 2010 from http://www.doir.wa.gov.au/documents/environment/Shed_env_guide_closure.pdf.
- Enterprise Saskatchewan. 2010a. Economic Overview. Accessed November 17, 2010 from http://www.enterprisesaskatchewan.ca/economicoverview.



- Enterprise Saskatchewan. 2010b. Economic Statistics. Accessed November 17, 2010 from http://www.enterprisesaskatchewan.ca/Default.aspx?DN=5e77755d-a746-44a7bc37-402c3e347cd4.
- Enterprise Saskatchewan. 2010c. 2010 Major Projects Inventory. Available at: http://www.enterprisesaskatchewan.ca/Major-Projects-Inventory-2010. Accessed: July 2010.
- Clifton Associates. 2002. Environmental Impact Statement for Proposed Landfill Expansion, Prince Albert, Saskatchewan, File S1407, prepared for the City of Prince Albert, July 25, 2002.
- Conference Board of Canada. 2012. News Release May 16, 2012: Saskatchewan's Economy Will Continue to Thrive in 2012 and 2013. Accessed June 12, 2012 at: http://www.conferenceboard.ca/press/newsrelease/12-05-16/Saskatchewan_s_Economy_Will_Continue_to_Thrive_in_2012_and_2013.aspx.

Diamond Development Advisory Committee. 2009. Written responses from DDAC members.

- Enterprise Saskatchewan 2011a. Economic Overview. Accessed June 12, 2012 at: http://www.enterprisesaskatchewan.ca/economicoverview.
- Government of Saskatchewan. 2009. Saskatchewan Provincial Budget 09-10, Budget Summary. Accessed November 17, 2010 from http://www.finance.gov.sk.ca/budget2009-10/Budget200910SummaryBook.pdf.
- Government of Saskatchewan, Finance. 2005-2010. Public Accounts Documents for 2005-06, 2006-07, 2007-08, 2008-089 and 2009-10. Accessed November 17, 2010 from: http://www.publications.gov.sk.ca/deplist.cfm?d=15&c=268.
- International Institute for Environment and Development. 2002. Research on Mine Closure Policy. Accessed July 10, 2010 from http://www.iied.org/mmsd/mmsd_pdfs/044_cochilco.pdf.
- Kelsey Trail Health Region 2010. Annual Report to the Minister of Health 2008-2009. Accessed August 31, 2009 from http://www.health.gov.sk.ca/kelsey-trail-annualreport-2008-

09http://www.kelseytrailhealth.ca/Publications/AnnualReport/Annual%20Report/2007 -08%20KTHR%20Annual%20Report.pdf.

- MLS. 2010. Residential properties for sale. Accessed July 25, 2010 from http://www.mls.ca/index.aspx.
- Natural Resources Canada. 1996. National Private Vehicle Use Survey, October 1994 September 1996. Accessed October 2010 from http://oee.nrcan.gc.ca/publications/infosource/pub/energy_use/NAPVUS/NAPVUSch 3.cfm?attr=8.
- Norse, HO. 1968. Regional Economics. McGraw Hill Book Company.



- Prince Albert Parkland Health Region. 2010. 2009-2010 Annual Report to the Minister of Health.
- RCMP. 2010. Nipawin Detachment. Telephone communication. July 23, 2010.
- Regina Leader-Post. 2010. Flooding will slash Saskatchewan GDP, TD warns. July 19, 2010. Available at: http://www.financialpost.com/Flooding+will+slash+Saskatchewan+warns/3297087/st ory.html.
- Saskatchewan Bureau of Statistics. 2010. Saskatchewan Consumer Price Index. Annual 2009. Historical Tables. Accessed November 17, 2010 from http://www.stats.gov.sk.ca/stats/CPI/CPIHistoricalTables.pdf.
- Saskatchewan Ministry of Highways and Infrastructure. 2007. 2007 Traffic Volume Map Average Annual Daily Traffic. Accessed February 18, 2009 from http://www.highways.gov.sk.ca/adx/aspx/adxGetMedia.aspx?DocID=227,81,1,Docu ments&MediaID=1386&Filename=trafficvolume-2007.pdf.
- Saskatchewan Ministry of Highways and Infrastructure. 2010. Operation and Design Engineer, Prince Albert Office. Telephone communication. November 18, 2010.
- Saskatchewan Ministry of Social Services. 2010. Meeting with Child and Family Services, Nipawin District Office. June 2010.
- Shore 2009. Letter communication with Torch River Rail. January 2009.
- Shore Gold Inc. 2010. Interests Workshop Summary Socio-Economic/Human Environment Station. From Interests Workshop held on October 26, 2010.
- Strategy Plus. 2010. North Central Enterprise Region. Regional Labour Market Strategy Final Report. Accessed July 10, 2010 from http://www.ncer.ca/docs/LabourMarketStrategyFINAL.pdf.
- Statistics Canada. 2007a. 2006 Community Profiles. 2006 Census. Statistics Canada Catalogue no. 92-591-XWE. Ottawa. Released March 13 2007. Available at http://www12.statcan.ca/census-recensement/2006/dp-pd/prof/92-591/index.cfm?Lang=E.

6.4.2 Traditional Knowledge and Traditional Land Use

- AMEC 2011. "AMEC Calliou Group meeting on Traditional Land Use Effects Assessment Methodology. August 23-24, 2011". Prepared for Shore Gold Inc.
- Integral Ecology and Wahpeton Dakota Nation. 2011. "Progress and Preliminary Summary of WDN Traditional Land Use Study for the Star-Orion South Diamond Project." Prepared for Shore Gold Inc.



- Calliou Group. 2011. "James Smith Cree Nation Project- Specific Traditional Land Use Study." Prepared for James Smith Cree Nation.
- IBRG. 2011. "Excerpts from IBRG's Report of Aboriginal Traditional Knowledge (ATK) of Traditional Land Use Métis Nation of Saskatchewan - Eastern Region II and Western Region II Pertaining to the Shore Gold's Orion South Diamond Project in the Fort la Corne Forest." For Release to Shore Gold.
- Integral Ecology Group and Wahpeton Dakota Nation 2011. "Overview-Level Traditional Land Use Study for the Shore Gold Star-Orion South Diamond Project Wahpeton Dakota Nation." Submitted to Shore Gold.
- Red Earth Cree Nation and Hobbs and Associates. 2010. "Traditional Land Use and Occupancy Mapping (TLUOM) Project and Star-Orion South Diamond Project Environmental Impact Statement." Submitted to Shore Gold.
- SLR Consulting (Canada) Ltd. and Dillon Consulting Limited. 2011. "Traditional Knowledge Report: Muskoday First Nation." Prepared for Muskoday First Nation #99.
- Sturgeon Lake First Nation. 2010. "Ancestral Territory of the Sturgeon Lake First Nation: A Preliminary Survey."
- Usher, Peter J., Gérard Duhaime and Edmund Searles. 2003. "The Household as an Economic Unit in Arctic Aboriginal Communities, and its Measurement by Means of a Comprehensive Survey." Social Indicators Research 61: 175–202.

6.4.3 Non-traditional Land Use

SMOE. 2005. Fort a la Corne Provincial Forest, Draft Integrated Forest Land Use Plan. October 20, 2005. Draft Version 6.0.

6.4.4 Visual and Aesthetic Resources

- United States Department of the Interior, Bureau of Land Management. 1980. Visual Resource. Management Program. U.S. Government Printing Office. 1980. 0-302-993. Washington, D.C.
- United States Department of Agriculture, National Forest Service. 1974. National Forest Landscape
- Integral Landscape Architecture and Visual Planning. 2009. Mt. Arthur Coal Consolidation Project. Visual impact assessment study.
- Kent, M. 1986. Visibility analysis of mining and waste tipping sites a review. Landscape and Urban Planning. Volume 13, 1986, Pages 101-110.
- B.C. Ministry of Forests. 2001. Visual Impact Assessment Guidebook. http://www.for.gov.bc.ca/tasb/legsregs/fpc/fpcguide/visual/via10008.htm.



TECO Natural Resource Group Limited. 2010. Visualizations of Shore Gold's Star and Orion South Kimberlite developments – excavation, overburden, and processed ore: methodology report.

6.4.5 Human Health

Saskatchewan WCB. 2009a. Statistical Supplement 2009. Accessed December 15, 2010 from

http://www.wcbsask.com/WCBPortal/ShowProperty/WCBRepository/formsPublications/publications/annualPubs/2009StatisticalSupplement//pdfContent.

- Saskatchewan WCB. 2009b. Occupational Disease. Accessed December 15, 2010 from http://www.wcbsask.com/book_statistics/page_about_occupational_disease.page.
- ERCB. 2007. Directive 038: Noise Control. Bulletin 2007-04, February 16, 2007. Alberta Energy Resources Conservation Board, Calgary, Alberta.
- Health Canada. 2010a. Useful Information for Environmental Assessments. Minister of Health. Accessed on October 23, 2010 from http://www.hc-sc.gc.ca/ewh-semt/pubs/eval/environ_assess-eval/index-eng.php.
- Health Canada. 2010b. Email from Manitoba Saskatchewan Region Health Canada to Shore. October 18, 2010.
- SMOE. 2008. Guidelines for Sewage Works Design. EPB Report No. 203. January 2008. Accessed November 11, 2010 from http://www.saskh2o.ca/DWBinder/EPB203GuidelinesSewageWorksDesign.pdf.
- SMOE. 2009. Final Project-Specific Guidelines for the Preparation of an Environmental Impact Statement. Star-Orion South Diamond Project, Fort a la Corne Provincial Forest, Saskatchewan. Shore Gold Inc. Province of Saskatchewan. Ministry of Environment. November 2009.

6.4.6 Heritage Resources Impact Assessment

- Golder Associates Ltd. 2010b. Shore Gold Inc. Star-Orion South Diamond Project. Heritage Resources Impact Mitigation. Permit No. 08-145. Report on file with Heritage Resources Branch, Regina.
- Golder Associates Ltd. 2010c. Heritage Resources Impact Assessment/Mitigation: Shore Gold Inc. Star-Orion South Diamond Project 2010 Facilities Footprint. Permit No. 10-208. Report on file with Heritage Resources Branch, Regina.
- Western Heritage Services Ltd. 2006. Heritage Resources Impact Assessment of Shore Gold Inc., Star Kimberlite Project 2006 Surface Exploration Program Permit No. 06-103. Report prepared for Shore Gold Inc.



6.5 Effects of the Environment on the Project

- Barrow, E. 2009. Climate Scenarios for Saskatchewan. Prairie Adaptation and Research for Climate Change (PARC), Regina, Saskatchewan, 131pp. The full report is viewable on the PARC website at www.parc.ca.
- British Columbia Ministry of Forests. 1999. Forest Practices Code of British Columbia.
- Encyclopedia of Saskatchewan. 2006. Encyclopedia of Saskatchewan. Accessed December 16, 2010 from http://esask.uregina.ca/home.html.
- Environment Canada. 1988. The Canadian Centre for Climate Modelling and Analysis. The Second Generation Coupled General Circulation Model (CGCM). Ottawa.
- Gendzwill, D. 2006. Earthquakes in Saskatchewan and Canada. University of Saskatchewan. Saskatoon, SK. Accessed December 8, 2010 from http://www.iamamerica.com/iamamerica/media/Canadian_Earthquakes.pdf.
- Hogg, E.H. 1994. Climate and the southern limit of the western Canadian boreal forest. Canadian Journal of Forest Research 24:1835-1845.
- Hogg, E.H., J.P. Brandt, M. Michaelian, D.T. Price, M. Siltanen, and D.M. McKenney. 2007. Applications of climate moisture index for assessing impacts of the 2001-2002 drought on aspen forests in the prairie provinces. Drought Research Initiative Workshop #2. Winnipeg, MB.
- NRCAN. 2004. The Atlas of Canada. Accessed December 16, 2010 from http://atlas.nrcan.gc.ca/site/english/maps/climatechange/scenarios
- NRCAN. 2006. Floods Disasters in Canada database. Accessed December 16, 2010 from http://tsdmaps.gsc.nrcan.gc.ca/website/_floods/floods_e.htm.
- NRCAN. 2009. Climate Change in Canada posters; The winds of change: Climate change in Prairie Provinces (2001). Accessed December 16, 2010 from http://adaptation.nrcan.gc.ca/posters/pr/pr_03_e.php Accessed 27 October 2010.
- NRCAN. 2010. Earthquakes Canada. Accessed December 16, 2010 from http://earthquakescanada.nrcan.gc.ca/index-eng.php
- Public Safety Canada. 1997. Emergency Preparedness Canada database, December 1997. Accessed December 16, 2010 from http://www.publicsafety.gc.ca/prg/em/prprdnsseng.aspx
- Rizzo, B, and E Wiken. 1992. Assessing the Sensitivity of Canada's Ecosystems to Climatic Change. Climate Change 21: 37-55.
- Rowley, ML. 2008. What's Happening with our Water and Weather? Managing Climate Change and Water Resources. Accessed December 16, 2010 from



http://www.usask.ca/research/communications/explore/vol1no1/water_and_weather. php Accessed 27 October 2010.

- Sauchyn, D. and S Kulshreshtha. 2008. Prairies; From Impacts to Adaptation: Canada in a Changing Climate 2007. Accessed December 16, 2010 from http://www.parc.ca.
- SMOE. 2007. Environment. Accessed December 16, 2010 from http://www.environment.gov.sk.ca.
- SMOE. 2010. Forest Fire Management Strategy Zones Prepared by the Fire Management and Forest Protection Branch. Accessed December 16, 2010 from http://www.environment.gov.sk.ca/fire.
- Saskatchewan Research Council (SRC). 2008. Impacts of Climate Change on the Island Forests of Saskatchewan. Prepared for Prince Albert Model Forest. Prepared by Mark Johnston. SRC Publication No. 12168-1E08. March 2008.
- SWA. 2007. Preliminary Background Report North Saskatchewan River. Accessed December 16, 2010 from http://www.nsrbc.ca/pdf/n_sask_river_watershed_april_20_07.pdf.