

the Touchstones Index

approximate percentage of electricity worldwide that comes from hydroelectric sources: 19¹

approximate percentage of electricity in Canada that comes from hydroelectric sources: 62²

approximate percentage in BC: 80³

minimum number of people, in millions, that have been estimated to have been physically displaced as a direct result of dam construction: 40-80⁴

Global ranking of Canada as a producer of Hydroelectricity: 2

Global ranking of the US as a producer of Hydroelectricity: 3⁵

Global ranking of China as a producer of hydroelectricity: 1⁵

number of people, in millions, that have been estimated to have been physically displaced as a direct result of construction of the Three Gorges Dam in China: 1.3

minimum length, in kilometers, of the reservoir created by the Three Gorges Dam: 600

estimated length, in kilometers, of the reservoir created by the Libby Dam: 145

approximate annual fluctuation, in meters, in the water level of Lake Kootanusa: 52⁶

number of times white sturgeon in the Kootanai river have spawned since the completion of the Libby Dam: 0⁵

number of juvenile sturgeon released in the US portion of Kootenai river between 1992 and 2004 to compensate for declining stock: 47,000⁶

average percentage annual decline in remaining white sturgeon population in the Kootenai river: 9⁸

estimated number of years the wild population of White Sturgeon will disappear without further intervention: 20-30⁷

global ranking of Canada's overall electricity consumption: 6⁸

global ranking of Canada's per capita electricity consumption: 4th 9

global ranking of China's overall electricity consumption: 1st 9

global ranking of China's per capita electricity consumption: 90th

average age, in years, of a large dam today: 35²

Index compiled by Touchstones Nelson, Museum of Art and History

Sources:

¹ Wikipedia, ^ [Renewables Global Status Report 2006 Update, REN21](#), published 2007, accessed 2007-05-16

² Environment Canada

³ Wikipedia

⁴ <http://internationalrivers.org> The World Commission on Dams Framework - a Brief Introduction February 29, 2008

⁵ <http://www.livinglandscapes.bc.ca/cbasin/history/aquaticresearch-management.htm>

⁶ website of the american fisheries society, KTOI (Kootenai Tribe of Idaho). 2004. Ireland, S.C., P. J. Anders and Ray C. P. Beamesderfer, eds. An Adaptive Multidisciplinary Conservation Aquaculture Plan for Endangered Kootenai River White Sturgeon. Hatchery Management Plan prepared by the Kootenai Tribe of Idaho with assistance from S. P. Cramer and Associates. 56 pp.

⁷ Paragamian, V. L., R. C. P. Beamesderfer, and S. C. Ireland. 2005. Status, population dynamics, and future prospects of the endangered Kootenai River white sturgeon population with and without hatchery intervention. Transactions of the American Fisheries Society 134:518-532.

⁸ "The World Factbook". CIA. 2008. <https://www.cia.gov/library/publications/the-world-factbook/rankorder/2042rank.html>. Retrieved on March, 2006