



News about Tap and Bottled Water: Can This Influence People's Choices?

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ABSTRACT

The pursuit of alternative safe water has increased dramatically the world trade in bottled water. Events happened in Canada which changed the population's perception about the quality of tap water, despite all government efforts. Media has an important role to pass on information because there is value judgment in its reports. As a result, this study aims to present recent data from two Canadian newspapers of national circulation, which refer to tap water and bottled water. It used quantitative and qualitative data for this analysis. The study concludes that the media, taken into consideration, provides its readers with important information, but the information can also be ambiguous. Nevertheless, it arouses interest in further research about this subject matter and about protecting water resources.

KEYWORDS

Tap Water; Bottled Water; News Reports; Water Protection

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References

- [1] P. Levallois, J. Grondin and S. Gingras, "Evaluation of Consumer Attitudes on Taste and Tap Water Alternatives in Quebec," *Water Science and Technology*, Vol. 40, No. 6, 1999, pp. 135-139. doi: 10.1016/S0273-1223(99)00549-1
- [2] E. C. Anadu and A. K. Harding, "Risk Perception and Bottled Water Use," *Journal American Water Works Association*, Vol. 92, No. 11, 2000, pp. 82-96.
- [3] B. A. Larson and E. D. Gnedenko, "Avoiding Health Risks from Drinking Water in Moscow: An Empirical Analysis," *Environment and Development Economic*, Vol. 4, No. 4, 1999, pp. 565-581. doi: 10.1017/S1355770X99000339
- [4] C. Ferrier, "Bottled Water: Understanding a Social Phenomenon," *AMBIOS: A Journal of the Human Environment*, Vol. 30, No. 2, 2004, pp. 118-119.
- [5] P. H. Gleick and H. S. Cooley, "Energy Implications of Bottled Water," *Environmental Research Letters*, Vol. 4, No. 1, 2009, pp. 1-6. doi: 10.1088/1748-9326/4/1/014009
- [6] Y. Parag and J. T. Roberts, "A Battle Against the Bottles: Building, Claiming, and Regaining Tap-Water Trustworthiness," *Society & Natural Resources*, Vol. 22, No. 7, 2009, pp. 625-636. doi: 10.1080/08941920802017248
- [7] Statistics Canada, "Households and the Environment," 2006. <http://www.statcan.gc.ca/>
- [8] A. Q. Jones, C. E. Dewey, K. Dore, S. E. Majowicz, S. A. McEwen and D. Waltner-Toews, "A Qualitative Exploration of the Public Perception of Municipal Drinking Water," *Water Policy*, Vol. 9, No. 4, 2007, pp. 425-438. doi: 10.2166/wp.2007.019

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- [9] K. D. M. Pintar, D. Waltner-Toews, D. Charron, F. Pollari, A. Fazil and S. A. McEwen, " Water Consumption Habits of a South-Western Ontario Community," *Journal of Water and Health*, Vol. 7, No. 2, 2009, pp. 276-292. doi:10.2166/wh.2009.038
- [10] F. Doria, " Bottled Water Versus Tap Water: Understanding Consumers' Preferences," *Journal of Water and Health*, Vol. 4, No. 2, 2006, pp. 271-276.
- [11] L. Ward, O. Cain, R. Mullally, K. Holliday, A. Wernham and P. Baillie, " Health Beliefs about Bottled Water: A Qualitative Study" , *BMC Public Health*, Vol. 9, No. 1, 2009, pp. 196-210. doi:10.1186/1471-2458-9-196
- [12] L. Fewtrell, D. Kay, M. Wyer, A. Godfree and G. Oneill, " Microbiological Quality of Bottled Water," *Water Science and Technology*, Vol. 35, No. 11-12, 1997, pp. 47-53. doi:10.1016/S0273-1223(97)00233-3
- [13] I. Al-Saleh and I. Al-Doush, " Survey of Trace Elements in Household and Bottled Drinking Water Samples Collected in Riyadh, Saudi Arabia," *The Science of The Total Environment*, Vol. 216, No. 3, 1998, pp.181-192. doi:10.1016/S0048-9697(98)00137-5
- [14] P. Garzon and M. J. Eisenberg, " Variation in the Mineral Content of Commercially Available Bottled Waters: Implications for Health and Disease," *The American Journal of Medicine*, Vol. 105, No. 2, 1998, pp. 125-30. doi:10.1016/S0002-9343(98)00189-2
- [15] W. Shotyk and M. Krachler, " Contamination of Bottled Waters with Antimony Leaching from Polyethylene Terephthalate (PET) Increases upon Storage," *Environmental Science and Technology*, Vol. 41, No. 5, 2007, pp. 1560-1563. doi:10.1021/es061511+
- [16] R. Ramalho, J. Cunha, P. Teixeira and P. A. Gibbs, " Improved Methods for the Enumeration of Heterotrophic Bacteria in Bottled Mineral Waters," *Journal of Micro- biological Methods*, Vol. 44, No. 2, 2001, pp. 97-103. doi:10.1016/S0167-7012(00)00237-2
- [17] A. Ikem, S. Odueyungbo, N. O. Egiebor and K. Nyavor, " Chemical Quality of Bottled Waters from Three Cities in Eastern Alabama," *The Science of The Total Environment*, Vol. 285, No. 1-3, 2002, pp.165-175. doi:10.1016/S0048-9697(01)00915-9
- [18] F. A. Rosenberg, " The Microbiology of Bottled Water," *Clinical Microbiology Newsletter*, Vol. 25, No. 6, 2003, pp. 41-44. doi:10.1016/S0196-4399(03)80019-3
- [19] F. Zohouri, A. Maguire and P. Moynihan, " Fluoride Content of Still Bottled Waters Available in the North-East of England, UK," *British Dental Journal*, Vol. 195, No. 9, 2003, pp. 515-518. doi:10.1038/sj.bdj.4810668
- [20] S. D. Raj, " Bottled Water: How Safe Is It?" *Water Environment Research*, Vol. 77, No. 7, 2005, pp. 3013-3018. doi:10.2175/106143005X73893
- [21] M. L. Jeena, P. Deepa, K. M. M. Rahiman, R. T. Shanthi and A. A. M. Hatha, " Risk Assessment of Heterotrophic Bacteria from Bottled Drinking Water Sold in Indian Markets," *International Journal of Hygiene and Environmental Health*, Vol. 209, No. 2, 2006, pp.191-196. doi:10.1016/j.ijheh.2005.11.003
- [22] R. Mahajan, T. Walia, B. Lark, Sumanjit, " Analysis of Physical and Chemical Parameters of Bottled Drinking Water," *International Journal of Environmental Health Research*, Vol. 16, No. 2, 2006, pp. 89-98. doi:10.1080/09603120500538184
- [23] W. Shotyk, M. Krachler and B. Chen, " Contamination of Canadian and European bottled Waters with Antimony from PET Containers," *Journal of Environmental Monitoring*, Vol. 8, No. 2, 2006, pp. 288-292. doi:10.1039/b517844b
- [24] D. O. Scoaris, F. C. Bizerra, S. F. Yamada-Ogatta, B. A. de A. Filho, T. Ueda-Nakamura, C. V. Nakamura, et al, " The Occurrence of Aeromonas spp. in the bottled Mineral Water, Well Water and Tap Water from the Municipal Supplies," *Brazilian Archives of Biology and Technology*, Vol. 51, No. 5, 2008, pp.1049-1055. doi:10.1590/S1516-89132008000500022
- [25] C. Guler and M. Alpaslan, " Mineral Content of 70 Bottled Water Brands Sold on the Turkish Market: Assessment of Their Compliance with Current Regulations." *Journal of Food Composition and Analysis*, Vol. 22, No. 7-8, 2009, pp. 728-737. doi:10.1016/j.jfca.2009.03.004
- [26] M. Krachler and W. Shotyk, " Trace and Ultratrace Metals in Bottled Waters: Survey of Sources Worldwide and Comparison with Refillable Metal Bottles," *Science of The Total Environment*, Vol.

- [27] M. Ahmad and A. S. Bajahlan, " Quality Comparison of Tap Water vs. Bottled Water in The Industrial City of Yanbu (Saudi Arabia)," Environmental Monitoring and Assessment, Vol. 159, No. 1-4, 2009, pp. 1-14. doi:10.1007/s10661-008-0608-8
- [28] R. Holme, " Drinking Water Contamination in Walkerton, Ontario: Positive Resolutions from a Tragic Event," Water Science and Technology, Vol. 47, No. 3, 2003, pp.1-6.
- [29] K. J. Bakker, " From Public to Private to ... Mutual? Re- structuring Water Supply Governance in England and Wales," Geoforum, Vol. 34, No. 3, 2003, pp. 359-374. doi:10.1016/S0016-7185(02)00092-1
- [30] C. Johns, M. Sproule-Jones and B. T. Heinmiller, " Water as a Multiple-Use Resource and Source of Political Conflict," In: M. Sproule-Jones, C. Johns and B. T. Heinmiller, Eds., Canadian Water Politics: Conflicts and Institutions, McGill- Queen' s University Press, Montreal, 2008, p. 390.
- [31] M. W. Rosenberg, " From East to Western Sea: Canada—A Country of National Abundance and Local Shortages," In: J. E. Castro and L. Heller, Eds., Water and Sanitation Services: Public Policy and Management, Earthscan, London, 2009, p. 363.
- [32] S. Hickman, " Tapping into Bottled Water: Carleton Examines Drinking Habits," 2009. <http://www.now.carleton.ca/2009-04/2237.htm>.
- [33] J. A. Marshall, " The Households and the Environment Survey," 2009. <http://www.statcan.gc.ca/>
- [34] M. Barlow and T. Clarke, " Blue Gold: The Fight to Stop the Corporate Theft of the World' s Water," The New Press, New York, 2003.
- [35] T. Clarke, " Inside the Bottle," Polaris Institute, Ottawa, 2004.
- [36] M. L. Bouguerra, " Las Batallas del Agua: Por un Bien Común de la Humanidad," Editorial Popular, Madrid, 2005.
- [37] L. R. S. Moraes, " A Melhoria da Prestação dos Serviços de Abastecimento de água em Portugal e o Aumento do Consumo de água Envasada—Qual a Explicação?" 24 Congresso Brasileiro de Engenharia Sanitária e Ambiental, Belo Horizonte, 2007.
- [38] J. C. M. R. Silva, L. R. S. Moraes and P. C. Borja, " Comportamento da Produção e Consumo de água Envasada em Salvador 1997-2006 e sua relação com a água do Sistema Público de Abastecimento" XIII SILUBESA—Simpósio Luso-Brasileiro de Engenharia Sanitária e Ambiental, Belem, 2008.
- [39] J. T. M. Queiroz and L. Heller, " Que água Devo Consumir: A do Sistema Público ou a Envasada? Percepções de Moradores de Belo Horizonte," 25 Congresso Brasileiro de Engenharia Sanitária e Ambiental, Recife, 2009.
- [40] M. F. Doria, " Factors Influencing Public Perception of Drinking Water Quality," Water Policy, Vol. 12, No. 1, 2010, pp. 1-19. doi:10.2166/wp.2009.051
- [41] I. J. Dittrich, " Retórica dos Títulos em Reportagens Impressas," Comunicação & Educação, Vol. 11, No. 1, 2006, pp. 20-25.
- [42] F. Lefevre and A. M. C. Lefevre, " O Discurso do Sujeito Coletivo: Um Enfoque em Pesquisa Qualitativa (Desdobramentos)," EDUCS, Porto Alegre, 2003.
- [43] C. Johns and K. Rasmussen, " Institutions for Water Resource Management in Canada." In: M. Sproule-Jones, C. Johns and B. T. Heinmiller, Eds., Canadian Water Politics: Conflicts and Institutions, McGill-Queen' s University Press, Montreal, 2008.
- [44] M. Barlow, " Blue Covenant: The Global Water Crisis and the Coming Battle for the Right to Water," The New Press, New York, 2009.
- [45] V. Shiva, " Water Wars: Privatization, Pollution and Profit," South End Press, New York, 2002.
- [46] United Nations Development Programme, " Human Development Report," 2006. <http://hdr.undp.org/en/reports/global/hdr2006/>
- [47] N. Herráiz, " Geopolítica del Agua Embotellada," Foreign Policy Edición Española, Madrid, 2006.
- [48] ALMG Assembléia Legislativa de Minas Gerais, " ONGs e Indústria Divergem Sobre águas Minerais; Copasa Relata Ações. Reunião Audiência Pública Copasa," 2007.

- [49] J. Lee, " City Council Shuns Bottles in Favor of Water From Tap," 2008.
<http://www.nytimes.com/2008/06/17/nyregion/17water.html>
- [50] BBC, " Australia Town Bans Bottled Water," 2009. <http://news.bbc.co.uk/2/hi/asia-pacific/8141569.stm>
- [51] S. R. Silva, " O Papel do Sujeito em Relação à água de Consumo Humano: Um Estudo na Cidade de