



Evaluation of water quality of the surface water of the Damietta Nile Branch, Damietta Governorate, Egypt

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Abstract : Water quality and heavy metals pollution of the Damietta Nile Branch at Damietta governorate were investigated in the current work. fourteen different sampling points were selected along the Damietta Nile branch from Ras EL-Bar (sample 1) to Sheremsah (sample 14). Physical and chemical parameters and the concentrations of Cd, Cr, Cu, Ni, Fe, Al, Hg, Pb and Zn were investigated for water quality assessment of Damietta Nile Branch at Damietta Governorate. Most of water suitable for irrigation, while some of water suitable for drinking. The water near the Damietta Nile Branch Outlet is unsuitable for drinking and irrigation, but the water in the south of study area suitable for all purposes.

Keywords: Water Quality Indices – Damietta Governorate – Nile River – Pollution.

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