

***Interactive comment on* “Carbon dioxide and methane annual emissions from two boreal reservoirs and nearby lakes in Quebec, Canada” by M. Demarty et al.**

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Comments By Marco Aurélio dos Santos Professor of Federal University of Rio de Janeiro General Comment: The paper brings to the community new data but the sections Results and Discussions deserve important improvements before published.

1) The authors miss some important citations in the reference section: Cole (2007) Carpenter (2005) IPCC (2006) Demarty et al submitted 2007 2) Some references included in the references sections does not appear at the manuscript: Abril et al Carpenter et al 1986 Del Giorgio et al, 1999 Kritzberg et al 2006 3) Pag 4 , line 6 What is the reason for different sampling stations at each field campaign? The authors could explain it?

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4) Page 4 - Change the concept (hydraulic system) to (watershed area) 5) Page 4 – What is YSI 600?????? 6) Page 4 , line 17 – What is 2007 after Reservoir word? 7) Page 4 , line 19 What is Estmain-1 and LG-2 – Is bibliographic reference too? 8) Page 5 – line 16 – usually we use Flame Ionizing Detector to analyse CH₄ in GCs. The authors use Thermal conductivity detectors? 9) Page 8, line 7 – The figures 2 E and F doesn't contain information to conclude that January and March have highest values. Please insert other figure to explain it or modify your statement. 10) The last phrase of page 8 was not linked with the continued sentence at page 9. I will recommend to the author to improve enterelly the section 3.2. 11) I am think that the results contained in the tables are little be investigate by the authors. 12) I am recommend better important improvements of the manuscript before published.

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