

## ***Interactive comment on “Monitoring water quality in estuarine environments: lessons from the MAGEST monitoring programme in the Gironde fluvial-estuarine system” by H. Etcheber et al.***

### **Anonymous Referee #2**

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This manuscript introduces a new monitoring program established in the Gironde estuary and illustrates the program with well chosen examples. The benefits of continuous high frequency data for the description and interpretation of processes on the short time scale / rare events are clearly presented and discussed.

Some questions around the monitoring program are not yet addressed: How well does this high frequency monitoring network fit into the previously existing monitoring network? Are the same places used for automatic stations and (monthly) manual samples? If so, do results match?

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Some technical notes / corrections:

- p. 9412, l. 17: "annual mean discharge" - consider using "mean annual discharge"
- the turbidity maximum zone (TMZ) is introduced on p. 9415, l. 8 ; however, the abbreviation MTZ is used on p. 9416, l. 2; p. 9421, l. 6 / l. 7; p. 9422 , l. 1
- p. 9417, l. 21: (+- 0.3 mg cm <sup>-1</sup>) not "mg" but "mS"
- p. 9418, l. 17: "..., managed by other organisms." organisms ?? - or organizations

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Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 7, 9411, 2010.

**HESD**

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