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Interactive comment on “Effects of water discharge and sediment load on evolution of modern Yellow River Delta, China, over the period from 1976 to 2009” by J. B. Yu et al.

Anonymous Referee #3

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This paper studied the yearly change in runoff and sediment load discharged into sea from the Yellow river, the second longest river in China using GIS technique and relationship between sediment accumulation rate and shoreline length and area of modern Yellow River delta during period of 1976–2009. The contribution of this paper clearly showed the trend of runoff and sediment load discharged into sea from the Yellow river. The study method is sound and obtained data is rather reliable. The paper is at present well written. So I recommend it for publication after minor revision.

Some minor revisions:

1. P4114 line 24, please choose one expression, Gt or 10^9 in the whole paper.

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2. P4118 lines 13-15, please show relation coefficients between land creation speed and annual discharges of sediment and runoff in the Yellow River Delta.

3. It will better if authors could clearly explain the decrease of sediment load discharged into sea from the Yellow river was due to a reduction of runoff or silt content in river water.

Interactive comment on Biogeosciences Discuss., 8, 4107, 2011.

BGD

8, C1826–C1827, 2011

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