

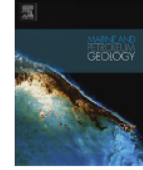
GY 402 Sedimentary Petrology (W)
Paper Critical Review 2



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Marine and Petroleum Geology

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Research paper

Provenance of Triassic sandstones on the southwest Barents Shelf and the implication for sediment dispersal patterns in northwest Pangaea



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Introduction: Time for another critical paper review, this one dealing with a more complex sedimentological study. The subject for today is **provenance**; the origin of sediment and what it can tell you about paleotectonic setting(s). Enjoy!

1) Discussion component (Activity 6): As we did for the previous critical review exercise, I want you to actively participate in an open discussion concerning the merits of the online paper. I will expect you to be able to identify the purpose of the paper, the quality of the data presented, the limitations of the author(s)'s interpretations and the quality of their writing. I am also interested in how you feel this paper relates to GY 402 AND whether or not you learned something from reading it. Did you like the paper or did it really suck? Why? Do NOT just comment on editorial issues like where figures are positioned, or that the authors followed all the proper rules of paper structure, or how many reference citations a line of text has. Critical reviews must focus on the quality of the science, and my evaluation of your participation in the discussion session will be based upon this.

At the start of the last paper review session (beaches) I put you in your teams to give you some time to refresh your memory about the paper and to perhaps allow you to come up with a "collective opinion" about it. Not this time. Come to class ready to discuss the paper with your written review already in hand. After that, well it will be a free for all discussion about the journal article, provenance in general (feel free to add personal insight from your immature thin section lab) and if you so desire, life the universe and everything else.

2) Writing Component (Write 5): This writing exercise is **due at 11:00 noon Thursday** (right before the start of the discussion) as it will also be used for a peer review exercise (Peer 2), that is due the next day.