

Review of “**Simulations and observation of nonlinear waves on the continental shelf: KdV solutions**” (revised) by *Kieran O’Driscoll and Murray Levine*

The paper has been significantly revised and greatly improved. I do not have any further major comments. But I can point the authors to a recent paper by Grimshaw and Yuan (2016) in *Physica D* volume 333, pp 200-207, who also integrated the KdV equation for propagation of undular bores up a slope. In particular that paper provides an explanation for the effect of a critical point of polarity change on an undular bore, as seen in the authors figure 1, panels 100, 110, 130 km, where after the critical point, one sees a depression rarefaction wave with elevation solitary waves riding on it. This leads to the lack of rank-ordering, and can be contrasted with their figure 3 where there is no polarity change, but is comparable with figure 4 where there is a polarity change.