

## ***Interactive comment on “Sea level 400 000 years ago (MIS 11): analogue for present and future sea-level” by D. Q. Bowen***

**D. Bowen**

DQBowen@aol.com

Received and published: 10 September 2009

I am grateful for the erudite review by Dan Muhs and have adopted most of his comments. He suggests that sites without adequate geochronology for a proposed MIS 11 sea-level and based on uplift rate extrapolation alone should be excluded. But some of the sites he recommends for exclusion do have acceptable geochronological ages for the MIS 11 sea-level: the Coorong Coastal Plain, Curacao and Rome.

The geochronology of the Coorong Coastal Plain beach ridges is not based on TL alone. U-series ages and amino acid data have also been used (Murray-Wallace, 2002, and references therein). The Curacao evidence is based on U-series ages for the MIS 5.5 and MIS 11 reefs.

C672

The MIS 5.5 site near Rome has been correlated with other sites in Lazio, notably Casale di Statua, that have definitive palaeontological and aminostratigraphical age evidence (Giordano et al., 2003; Ferranti et al., 2006).

Many of the additional sites with evidence for an MIS 5.5 sea-level at 6 m and published since the review of Murray-Wallace and Belperio (1991) require evaluation of their tectonic history. It seems unlikely that tectonic stability can be taken for granted in many cases.

---

Interactive comment on Clim. Past Discuss., 5, 1853, 2009.

C673