### Reviewer 1 Comments

##### **Comment 1.** P9, line 188 – this is a generalisation - not all species produce U-shaped burrows

**Response 1.** This sentence has been revised to the following, “Some mud worms in the genus Polydora (notably *P. websteri*) create characteristic U-shaped burrows, such that two adjacent openings are created at the margin (an “entrance” and an “exit") (Figure 2)” (Line 187-188).

##### 

##### **Comment 2.** P10, line 199 -again, a generalisation - some species only fertlise some of the eggs, frequently fewer than a dozen per capsule.

**Response 2.** This sentence has been revised to the following: “The female deposits egg capsules along the burrow wall, with each capsule containing multiple fertilized eggs.” (Lines 199-201)

##### **Comment 3.** P13, line 278 - be consistent, in other places you report salinities as ppt

**Response 3.** The instance of “psu” has been changed to ppt to align with the other salinity references (Line 282).

##### **Comment 4.** P20, line 423 – Matthee misspelled

**Response 4.** Good catch! Matthee’s name has been corrected (Line 428).

##### **Comment 5.** Figure 3 is poor quality, and doesn't show any features characteristic for P websteri

**Response 5.** TBD