

8th September 2020

To the editor, ESSD

### **Bed topography of Princess Elizabeth Land in East Antarctica**

Many thanks for sending review of the above paper. We are pleased that both referees found the paper worthy of publication in ESSD, pending some changes. Please find uploaded a file containing details of how we have changed the above paper in accordance with referees' advice.

#### **Referee 1 (anon.)**

The main concern for referee 1, was that we hadn't used BedMachine Antarctica to compare the new results against. We have now included Bedmachine into the paper, as requested.

In the original paper we provided an assessment of basal hydrology. The referee recommended we chose an alternative algorithm to calculate the flow of water. To simplify and focus the paper – so that it simply presents the bed data – we have now taken out the basal hydrology component (including subglacial lakes).

On statements about this being the final section of bed to be covered by RES data - we stand by that, and we feel it would be of interest generally to point this out. However, we recognise that we have made too many references to national and organisational contributions and have removed much of these.

#### **Referee 2 – Robert Bingham**

For referee 2, there are very few changes required. We have reduced mention of the various institutions, as recommended. We have also made minor edits suggested in a pdf version of the paper supplied by the referee.

We hope that the paper is now ready for publication in ESSD. Do let us know if further modifications are necessary.

Yours sincerely,



Martin Siegert