

Response (in italics) to: RC C1136

Interactive comment on “Use of laser-scan technology to analyse topography and flow in a weir pool” by P. E. Dresel et al.

Anonymous Referee #1

Received and published: 29 April 2012

Page 3724, beginning line 6: This paragraph discussed the overall study and the 3 paired catchments. In the last sentence of the paragraph it refers to “the pair considered here..” This is somewhat confusing given that only one site was included in this study. Please clarify.

We have removed description of the multiple catchment pairs to focus on only the relevant catchment

Figures 3 and 4 need north arrows. The text refers to the eastern side of the weir-pool but the figures don't provide information needed for orientation.

North arrows added

Fig 4. Do the “-0.168” and “0.032” refer to the elevations of the bottom and top of the weir? Suggest rewording that information. Is the blue water on Fig. 4 at the datum of the blue in the terrain model? The use of the blue for water and for terrain on Fig. 4 leads to some confusion.

Legend reworded to clarify that the pool area is shown at the elevation of the bottom and top of the weir. The terrain colour was changed to avoid blue.

Fig 5. Remove caption on top

Caption removed.

Fig. 5. Suggest that the caption and legend make it clear that this is laser-derived data with a fit line.

Caption and legend changed

Fig. 6 Use a discontinuous plot for rainfall data

Figure modified