Supplement of Open check dams and large wood: headlosses and release condition

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1 Images of LW mixtures

The following pictures illustrate some LW mixture elements.

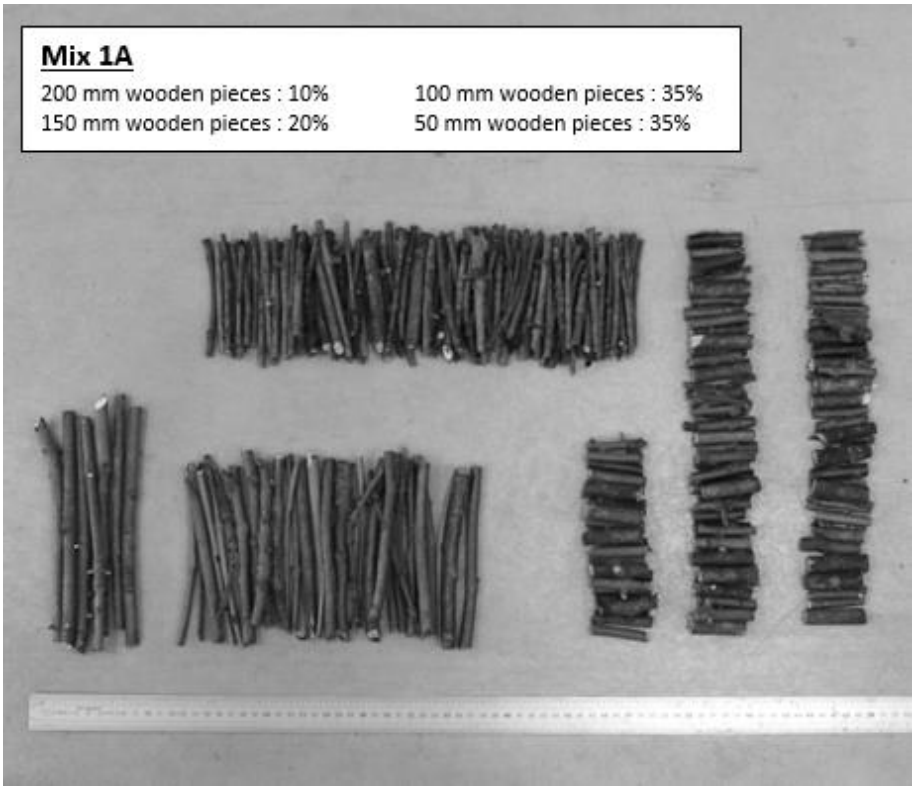

Fig. S 1: Mixture 1A

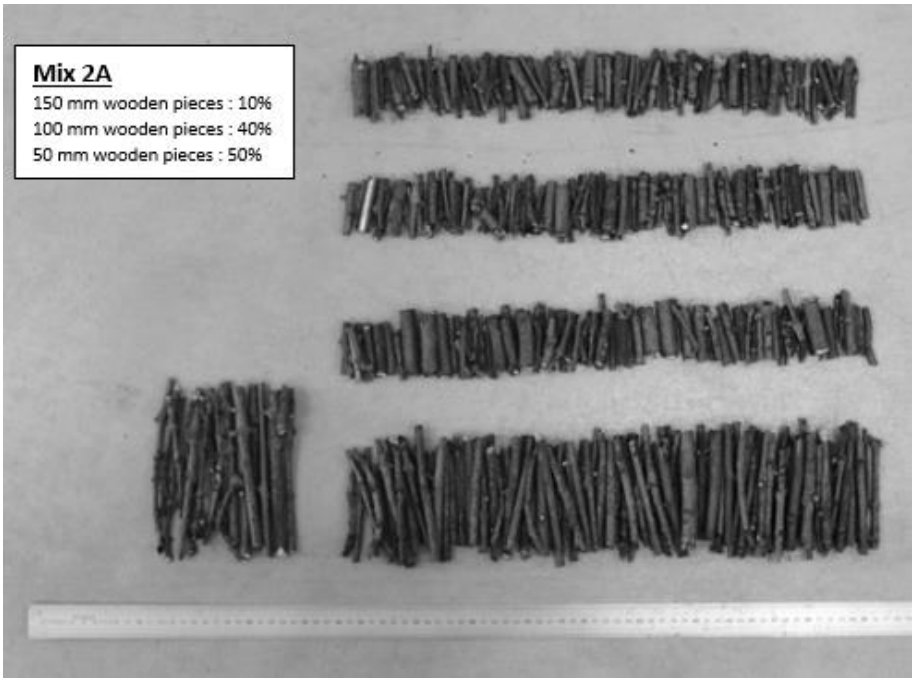

Fig. S 2: Mixture 2A

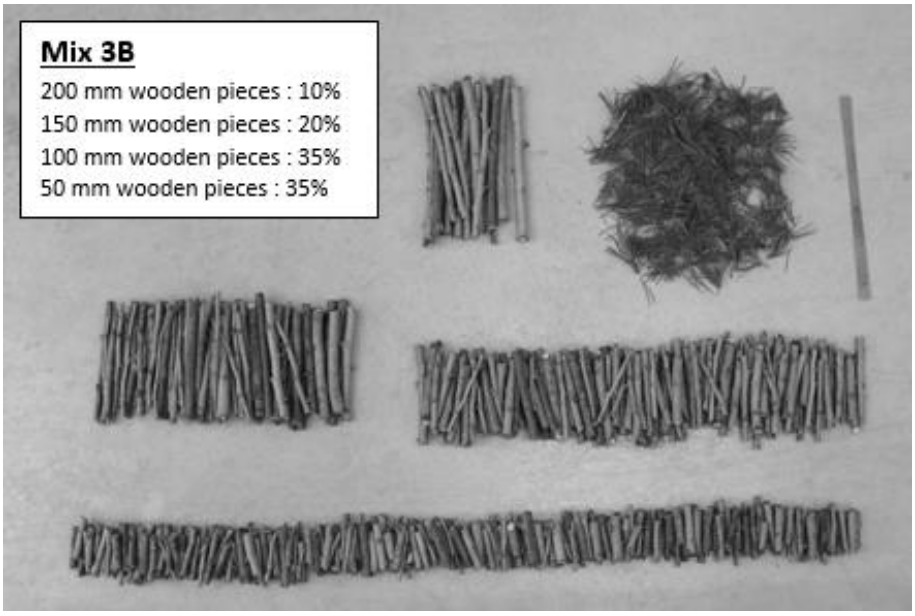

Fig. S 3: Mixture 3B

2 Sensitivity analysis on β_i coefficients

Two figures are provided for each dam, one where various values of β_1 are tested up to flow depths slightly overtopping the dam and one where various values of β_2 are tested for flow overtopping the dam, assuming the best adjusted values of β_1 (except for the closed dam where no β_1 is used).

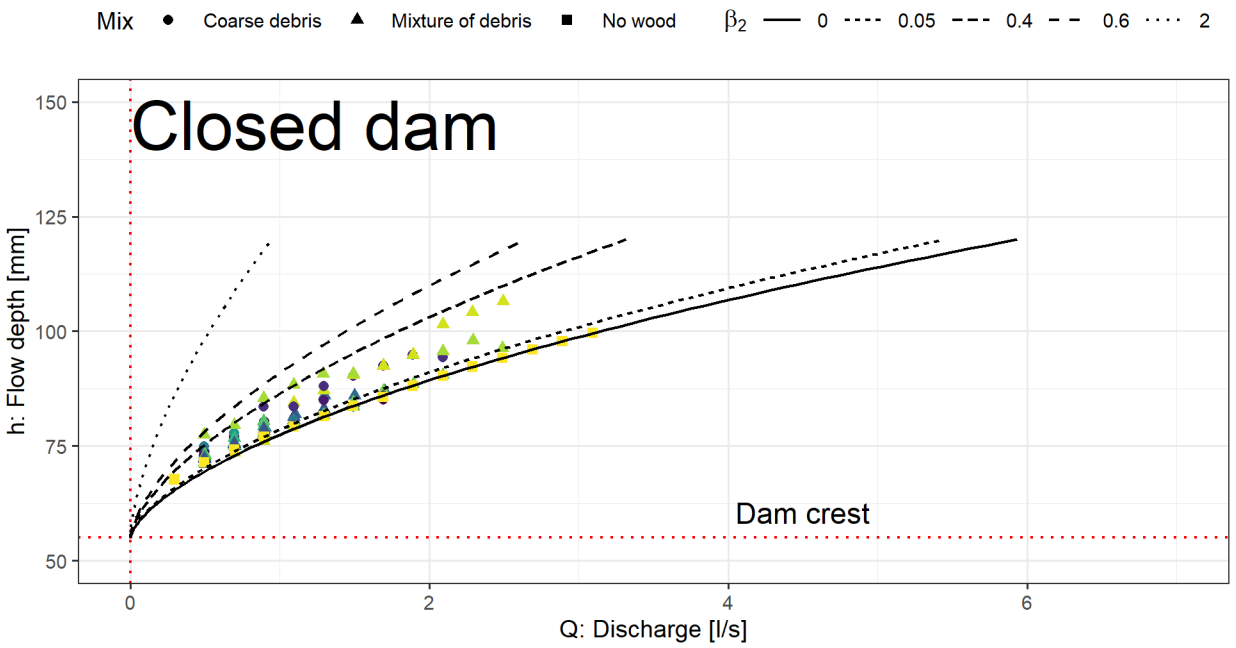

Fig. S 4: Graph flow depth against discharge on Closed dam, measurements and various values of β_2

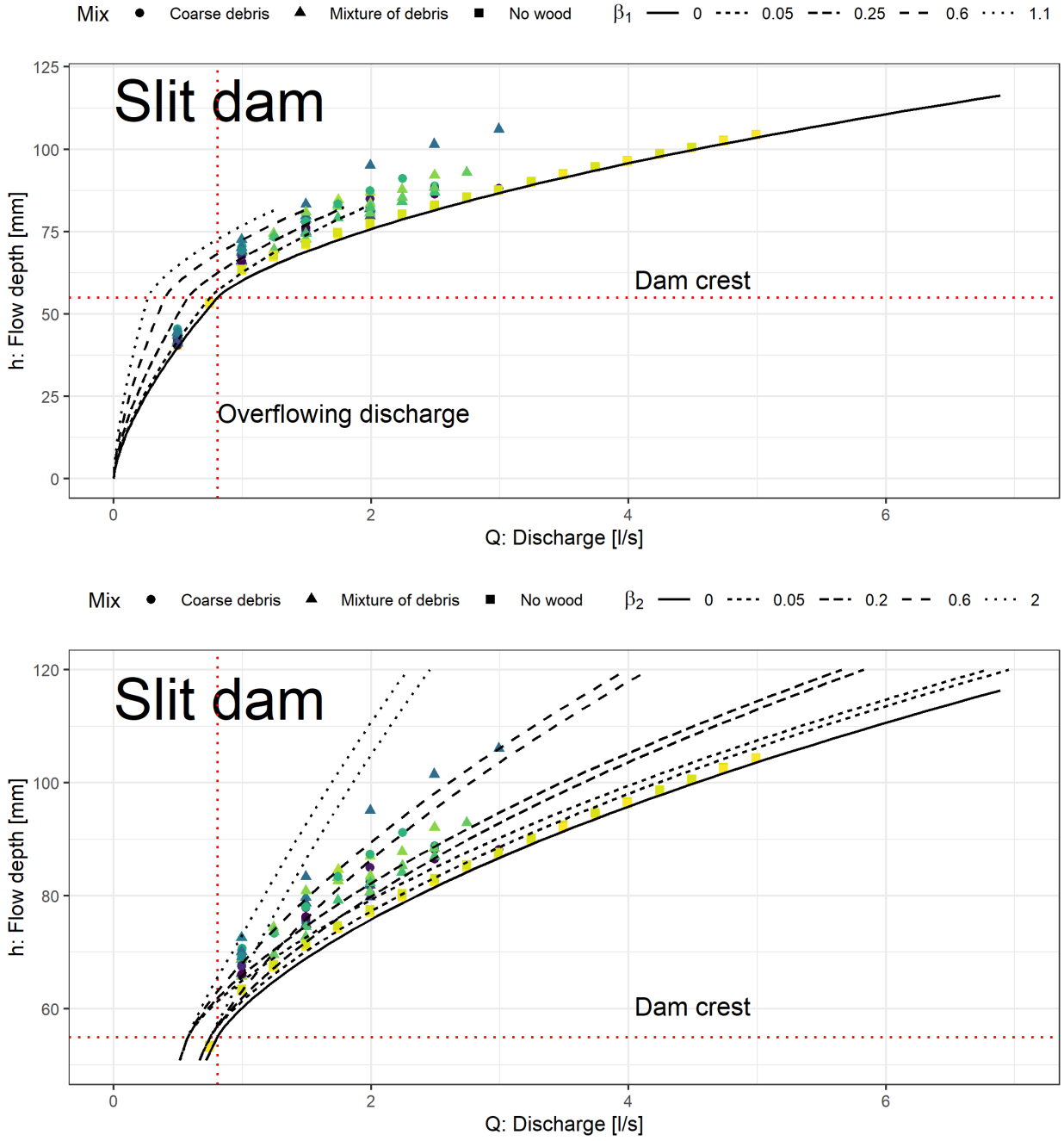

Fig. S 5: Graph flow depth against discharge on slit dam, measurements and various values of β_1 (upper panel) and β_2 (lower panel with zoom on overflowing measurements)

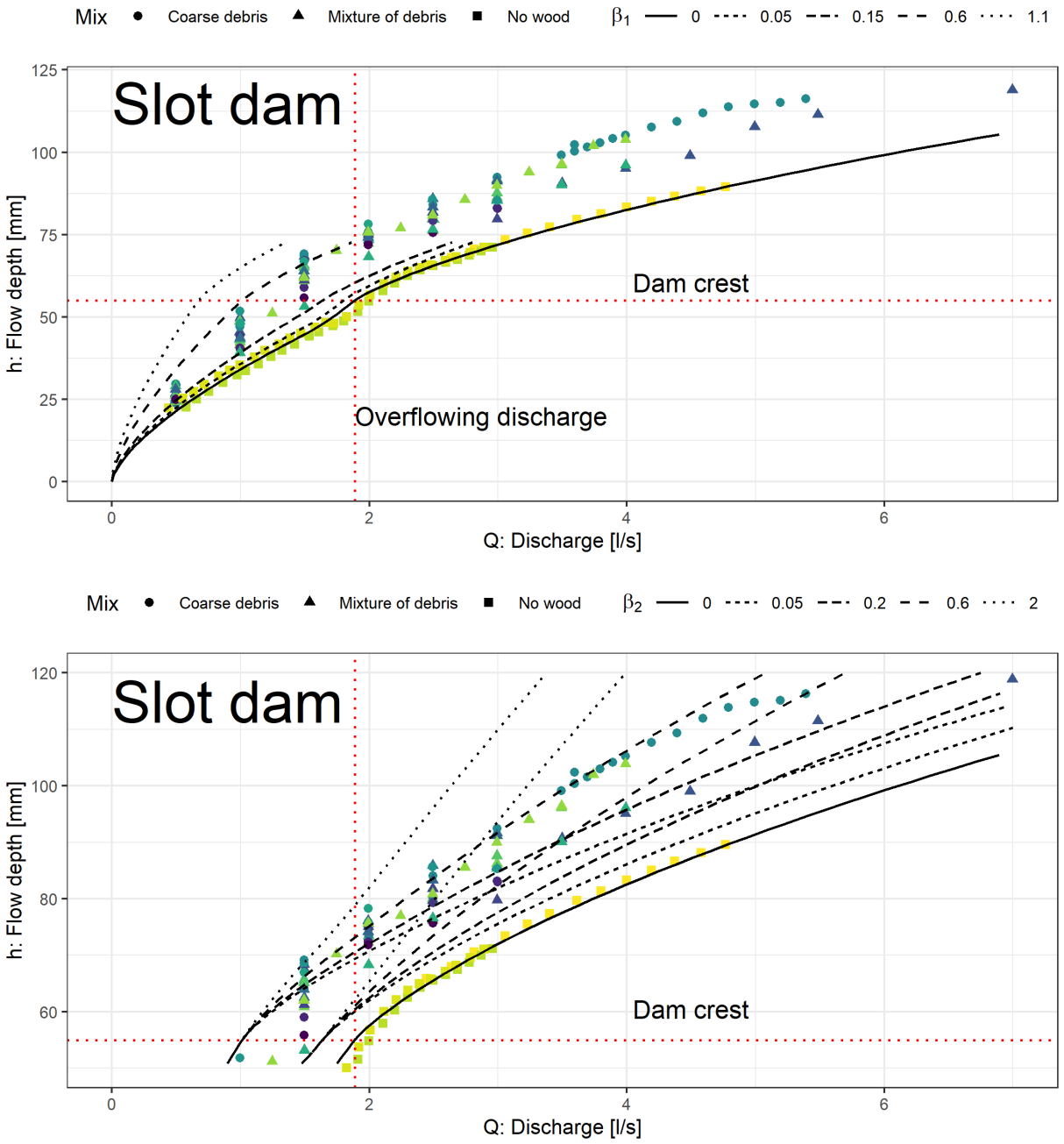

Fig. S 6: Graph flow depth against discharge on slot dam, measurements and various values of β_1 (upper panel) and β_2 (lower panel with zoom on overflowing measurements)

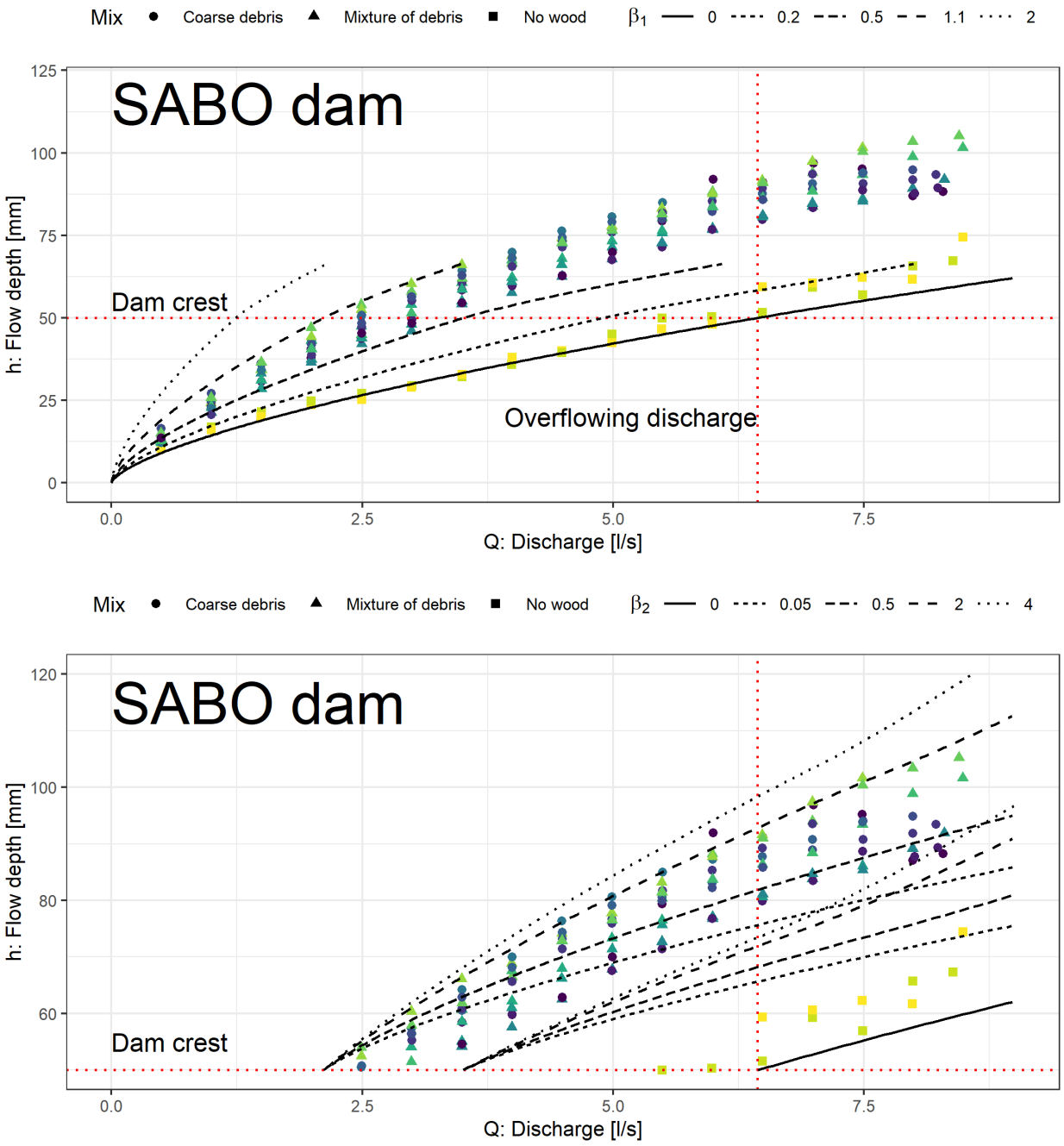

Fig. S 7: Graph flow depth against discharge on SABO dam, measurements and various values of β_1 (upper panel) and β_2 (lower panel with zoom on overflowing measurements)

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