

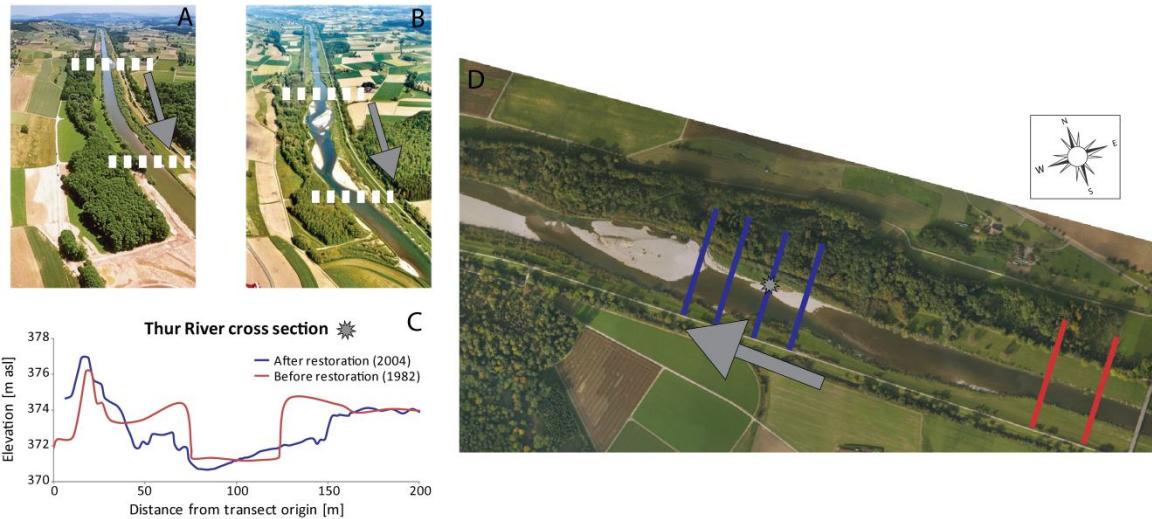
1 **SUPPLEMENTARY MATERIAL**

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3 **Table S1.** Occurrences of floods with a frequency equal or superior to two years (\geq
4 HQ2) between 1994 and 2007. The dashed line separates the flood events that occurred before the
5 restoration from those that occurred after. Forest sites are inundated when river discharge is
6 superior or equal to $630 \text{ m}^3 \text{s}^{-1}$ and control pasture sites when superior or equal to $415 \text{ m}^3 \text{s}^{-1}$
7 (Samaritani et al. 2011).

Year	Month	Day	River discharge [$\text{m}^3 \text{s}^{-1}$]	HQ
1994	5	25	690	2
1994	7	7	680	2
1995	1	26	660	2
1995	6	1	730	5
1995	8	9	570	2
1995	12	25	630	2
1996	7	9	610	2
1999	5	13	1130	100
2000	8	6	650	2
2000	9	21	710	2
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2002	8	12	880	10
2002	9	24	780	5
2004	1	14	768	5
2005	8	23	720	5
2006	3	9	560	2
2006	9	17	717	5
2007	8	9	791	5

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10 **Fig. S1.** Illustrations of the restoration of the study site. Panels A and B show the state
 11 of the site before (June 2001) and after (May 2004) restoration. Panel C provides an example cross
 12 section of the study site before and after restoration. Panel D shows an aerial view that locates the
 13 different transects surveyed. The gray arrows indicate river flow direction; and the gray star shows
 14 the location of the example transect of panel C.

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