

KALNÍKOVÁ, V., PALPURINA, S., PETERKA, T., KUBEŠOVÁ, S., PLESKOVÁ, Z. & SABOVLJEVIĆ, M. 2017. Bryophytes on river gravel bars in the Balkan mountains: new records and insights into ecology. – *Herzogia* **30**: 370–386.

Supplementary Table S2: Data on vegetation structure and ecological conditions for each plot.
(AL = Albania, BG = Bulgaria, MK = Macedonia, MN = Montenegro and SR = Serbia)

Plot field number	No. of bryophyte taxa	Cover total (%)	Cover shrub layer (%)	Cover herb layer (%)	Cover moss layer (%)	Maximum height of shrub layer (m)	Mean height of shrub layer (m)	Maximum height of herb layer (cm)	Mean height of herb layer (cm)	Light conditions	Height from water level (cm)	Substrate reaction	Substrate structure (main type is on the first position)	Vegetation type
BG 4	11	80	8	70	6	1.9	1.1	173	60	partly shaded	7	base-rich	gravel + sand	<i>Calamagrostis pseudophragmites</i> dom.
BG 5	1	97	10	89	1	2.1	0.9	185	100	sun-exposed	60	acidic	stone + sand	<i>Calamagrostis pseudophragmites</i> dom.
BG 9	5	68	0	68	1	0	0	74	50	partly shaded	15	acidic	gravel + stone	<i>Calamagrostis pseudophragmites</i> dom.
BG 11	9	80	17	65	1	2.6	1.6	258	120	sun-exposed	65	acidic	stone + sand	<i>Calamagrostis pseudophragmites</i> dom.
BG 13	2	40	0	40	1	0	0	180	30	sun-exposed	40	acidic	stone + sand	<i>Calamagrostis pseudophragmites</i> dom.
BG 14	2	95	35	60	1	2.3	1.8	175	110	sun-exposed	70	acidic	gravel + sand	<i>Calamagrostis pseudophragmites</i> dom.
BG 17	4	75	50	30	5	2.5	1.6	200	90	sun-exposed	65	acidic	stone + sand	<i>Salix</i> spp. shrubs
BG 18	8	55	30	25	3	1.8	1.3	220	100	partly shaded	60	acidic	gravel + stone	sparse <i>Salix</i> spp. shrubs
BG 19	3	28	10	20	1	1.7	0.9	150	70	sun-exposed	20	acidic	stone + sand	initial
BG 20	6	35	20	14	3	2.2	1.4	115	60	partly shaded	35	acidic	gravel + stone	sparse <i>Salix</i> spp. shrubs
BG 21	9	85	0	85	2	0	0	160	90	sun-exposed	20	acidic	stone + sand	<i>Calamagrostis pseudophragmites</i> dom.
BG 22	15	95	70	90	5	3.5	2	141	90	sun-exposed	60	acidic	gravel + stone	<i>Salix</i> spp. shrubs
BG 23	7	60	40	23	2	4.2	2.5	80	40	sun-exposed	90	base-rich	stone + sand	<i>Salix</i> spp. shrubs
BG 24	7	60	33	20	5	1.9	0.9	230	91	sun-exposed	75	base-rich	gravel + stone	sparse <i>Salix</i> spp. shrubs
BG 25	6	55	30	25	2	2.5	0.8	100	45	sun-exposed	55	base-rich	stone + sand	sparse <i>Salix</i> spp. shrubs
BG 29	1	35	0	35	1	0	0	145	40	sun-exposed	10	base-rich	gravel + stone	<i>Calamagrostis pseudophragmites</i> dom.
BG 31	9	30	10	20	2	1.9	1.3	110	45	sun-exposed	40	base-rich	gravel + stone	initial
BG 32	7	45	15	35	2	2.8	1.5	80	50	partly shaded	45	base-rich	gravel + stone	<i>Calamagrostis pseudophragmites</i> dom.
BG 33	3	75	70	15	1	5.5	3	20	10	partly shaded	60	base-rich	gravel + stone	<i>Salix</i> spp. shrubs
BG 34	2	90	80	15	1	2.5	1.7	70	40	sun-exposed	55	base-rich	gravel + stone	<i>Salix</i> spp. shrubs
BG 35	4	80	75	10	1	4	3	85	40	sun-exposed	55	base-rich	gravel + stone	<i>Salix</i> spp. shrubs

Plot field number	No. of bryophyte taxa	Cover total (%)	Cover shrub layer (%)	Cover herb layer (%)	Cover moss layer (%)	Maximum height of shrub layer (m)	Mean height of shrub layer (m)	Maximum height of herb layer (cm)	Mean height of herb layer (cm)	Light conditions	Height from water level (cm)	Substrate reaction	Substrate structure (main type is on the first position)	Vegetation type
BG 37	2	12	0	12	1	0	0	62	15	sun-exposed	20	acidic	gravel + stone	initial
BG 38	2	87	85	5	1	4.3	3.2	50	15	partly shaded	25	acidic	gravel + stone	<i>Salix</i> spp. shrubs
BG 39	8	90	85	20	10	2.5	1.6	100	50	sun-exposed	35	acidic	gravel + stone	<i>Salix</i> spp. shrubs
BG 40	2	80	15	70	2	2.2	1.5	140	91	sun-exposed	40	acidic	gravel + sand	<i>Calamagrostis pseudophragmites</i> dom.
BG 41	2	13	0	13	1	0	0	50	30	partly shaded	10	acidic	gravel + sand	initial
SR 1	1	35	34	2	1	1.5	0.4	120	35	partly shaded	80	mixture	gravel + stone	sparse <i>Salix</i> spp. shrubs
SR 2	9	65	15	52	3	3	2	100	40	partly shaded	130	base-rich	gravel + stone	sparse <i>Salix</i> spp. shrubs
SR 3	5	90	75	35	1	3.5	1.4	140	25	sun-exposed	60	mixture	gravel + sand	<i>Salix</i> spp. shrubs
SR 4	10	50	45	10	1	2.5	0.8	143	35	sun-exposed	80	mixture	gravel + sand	<i>Salix</i> spp. shrubs
SR 6	13	90	70	50	30	3	2	150	90	sun-exposed	110	acidic	gravel + sand	<i>Salix</i> spp. shrubs
SR 7	7	47	5	42	4	1.9	1.5	160	120	sun-exposed	115	acidic	gravel + sand	initial
SR 8	9	80	70	40	2	3	2	200	45	sun-exposed	80	acidic	gravel + sand	<i>Myricaria germanica</i> dom. shrubs
SR 9	11	65	4	64	4	1.6	1.5	200	100	sun-exposed	120	acidic	gravel + sand	<i>Calamagrostis pseudophragmites</i> dom.
SR 10	4	20	0	10	5	0	0	190	35	sun-exposed	140	acidic	gravel + sand	initial
MK 1	12	60	55	10	2	3.5	2	45	30	sun-exposed	40	acidic	gravel + stone	<i>Salix</i> spp. shrubs
MK 2	4	75	70	5	4	5	3.5	50	20	sun-exposed	110	acidic	gravel + stone	<i>Salix</i> spp. shrubs
MK 3	5	95	0	94	3	0	0	140	120	partly shaded	30	base-rich	stone + sand	<i>Calamagrostis pseudophragmites</i> dom.
MK 4	5	94	80	50	10	6	3.5	170	100	partly shaded	30	base-rich	gravel + stone	<i>Salix</i> spp. shrubs
MK 5	6	60	0	60	2	0	0	120	90	sun-exposed	-	base-rich	gravel + stone	<i>Calamagrostis pseudophragmites</i> dom.
MK 6	12	55	0	40	10	1.7	1.7	140	80	partly shaded	-	base-rich	stone + sand	<i>Calamagrostis pseudophragmites</i> dom.
MK 7	12	35	12	27	2	0.8	0.5	110	30	partly shaded	110	base-rich	stone + sand	initial
MK 8	2	95	5	93	1	1.2	1.1	205	110	partly shaded	50	base-rich	stone + sand	<i>Petasites hybridus</i> dom.
MK 9	8	55	10	50	3	1.6	1.4	160	100	sun-exposed	20	base-rich	stone + sand	<i>Calamagrostis pseudophragmites</i> dom.
MK 10	10	97	90	10	3	3	2.3	180	60	sun-exposed	160	base-rich	gravel + sand	<i>Salix</i> spp. shrubs
MK 11	12	87	0	87	10	0	0	170	140	sun-exposed	75	base-rich	gravel + sand	<i>Calamagrostis pseudophragmites</i> dom.
AL 1	4	60	45	20	2	1.8	1.1	180	20	sun-exposed	50	base-rich	gravel + sand	<i>Myricaria germanica</i> dom. shrubs

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MN 1	5	25	0	25	1	0	0	110	40	sun-exposed	60	mixture	gravel + sand	initial
MN 2	3	53	0	50	4	0	0	130	75	sun-exposed	150	mixture	gravel + sand	<i>Calamagrostis pseudophragmites</i> dom.
MN 3	4	18	0	17	2	0	0	130	40	sun-exposed	120	mixture	gravel + sand	initial
MN 4	4	96	94	12	2	3.4	2.8	140	60	sun-exposed	50	mixture	gravel + stone	<i>Salix</i> spp. shrubs
MN 5	8	13	0	13	2	0	0	60	15	sun-exposed	50	base-rich	gravel + sand	initial
MN 6	9	98	85	40	5	2	1.8	160	120	sun-exposed	-	base-rich	gravel + sand	<i>Myricaria germanica</i> dom. shrubs
MN 7	7	75	55	40	8	2.6	2	150	40	sun-exposed	60	base-rich	gravel + sand	<i>Myricaria germanica</i> dom. shrubs
MN 8	7	75	5	55	20	1.6	0.8	140	100	sun-exposed	100	base-rich	gravel + sand	<i>Calamagrostis pseudophragmites</i> dom.
MN 9	7	95	85	70	2	6.3	4.5	155	45	sun-exposed	-	mixture	gravel + sand	<i>Salix</i> spp. shrubs
MN 10	18	95	87	60	5	2.8	2	130	50	sun-exposed	-	base-rich	gravel + sand	<i>Salix</i> spp. shrubs
MN 11	17	45	0	43	5	0	0	85	45	sun-exposed	-	base-rich	gravel + stone	initial
MN 12	10	55	35	23	2	1.5	1.2	150	50	partly shaded	-	base-rich	gravel + stone	initial