

**On-line Suppl. Tab. 1:** Analytical table of plant communities of Velika plaža (Montenegro).

Class diagnostic species according to Macrì et al. (2016)		Diagnostic species		Layer Frequency			
JUN	<i>Juncus maritimus</i>	6	25	3	5	4	2
JUN	<i>Juncus acutus</i>	6	3	2	1	1	
JUN	<i>Juncus effusus</i>	6	+	4	4		
ISO	<i>Carex acutiformis</i> ssp. <i>cesatana</i>	25	+	4	4		
SAC	<i>Polygonum maritimum</i>	9	+	1	1		
BID	<i>Balanus tintinnans</i>	5	+	1	1		
MOL	<i>Ceratodon purpureus</i>	7	+	1	1	2	
NER	<i>Scorpiurus neglectus</i>	8	+	1	1	2	
ATO	<i>Tridium racemosum</i>	9	+	1	1	2	
MOL	<i>Rubus ulmifolius</i>	4	+	1	1	2	
UN	<i>Limonium gmelini</i>	8	+	1	1	2	
MOL	<i>Scrophularia nodosa</i>	31	2	1	2	+	
FEP	<i>Levisticum officinale</i>	1	+	1	1	2	
CAR	<i>Cakile maritima</i>	14	+	1	1	2	
CAR	<i>Erophila vaginata</i>	2	+	1	1	2	
CAR	<i>Salsola komarovii</i>	13	+	1	1	2	
AMM	<i>Cyperus capitatus</i>	27	+	1	1	2	
ARM	<i>Echinochloa crusgalli</i>	36	+	1	1	2	
AMM	<i>Eryngium maritimum</i>	30	+	1	1	2	
ARM	<i>Pseuderanthemum variabile</i>	27	+	1	1	2	
AMM	<i>Ammobium alatum</i>	7	+	1	1	2	
MIS	<i>Stephanomeria paniculata</i>	16	+	1	1	2	
AMM	<i>Calystegia soldanella</i>	6	+	1	1	2	
TRA	<i>Calystegia soldanella</i>	6	+	1	1	2	
COR	<i>Polygonum arenastrum</i>	6	+	1	1	2	
AMM	<i>Carex kobomugi</i>	6	+	1	1	2	
TRA	<i>Medicago littoralis</i>	31	+	1	1	2	
-	<i>Erophila tereticaulis</i>	11	+	1	1	2	
AMM	<i>Medicago marina</i>	21	+	1	1	2	
FES	<i>Armenia capensis</i>	6	+	1	1	2	
COR	<i>Alchemilla vulgaris</i>	13	+	1	1	2	
HED	<i>Hordeum chrysanthoides</i>	5	+	1	1	2	
TUB	<i>Urtica dioica</i>	9	+	1	1	2	
TUB	<i>Oenothera lamarckiana</i>	13	+	1	1	2	
DRA	<i>Vicia sativa</i>	24	+	1	1	2	
TUB	<i>Hypericum glabratum</i>	7	+	1	1	2	
CHB	<i>Laporta erosa</i>	10	+	1	1	2	
PHR	<i>Thymelaea hirsuta</i>	3	+	1	1	2	
SIS	<i>Anisotoma nemorosa</i>	9	+	1	1	2	
CHB	<i>Dasypteron villosissimum</i>	2	+	1	1	2	
ARC	<i>Verousia sinuata</i>	2	+	1	1	2	
GRM	<i>Silene viscaria</i>	3	+	1	1	2	
UN	<i>Ballota nigra</i>	19	+	1	1	2	
MOL	<i>Dianthus carthusianorum</i>	4	+	1	1	2	
PHR	<i>Phragmites australis</i>	21	+	1	1	2	
PHR	<i>Bulnesia undulata</i>	1	+	1	1	2	
LIT	<i>Bellardia trixago</i>	4	+	1	1	2	
POT	<i>Myrsinaceae</i>	1	+	1	1	2	
PHR	<i>Schoenoplectus lacustris</i> ssp. <i>glauca</i>	2	+	1	1	2	
POT	<i>Urticaria vulgaris</i>	2	+	1	1	2	
POT	<i>Potentilla laciniata</i>	4	+	1	1	2	
PHR	<i>Schoenoplectus lacustris</i>	4	+	1	1	2	
PHR	<i>Carex kobomugi</i>	9	+	1	1	2	
PHR	<i>Carex officinalis</i>	9	+	1	1	2	
PHR	<i>Cyperus longus</i>	1	+	1	1	2	
PHR	<i>Cyperus flavescens</i>	1	+	1	1	2	
ISO	<i>Plantago major</i> ssp. <i>intermedia</i>	4	+	1	1	2	
MOL	<i>Polygonum distichon</i>	7	+	1	1	2	
MOL	<i>Polygonum dilatatum</i>	1	+	1	1	2	
AMM	<i>Amorphophallus</i>						
	<i>Eryngium pectinatum</i>	24	+	1	1	2	
	<i>Spigelia panamensis</i>	2	+	1	1	2	
	<i>Soucius luteus</i>	2	+	1	1	2	
ART	<i>Asterolasia valgimis</i>						
	<i>Dierama reichenbachii</i>	16	2	+	1	2	
	<i>Eriogonum annuum</i>	6	+	1	1	2	
	<i>Plagiochila leucodonta</i>	3	+	1	1	2	
	<i>Oenothera biennis</i> agg.	2	+	1	1	2	
	<i>Scrophularia hispanica</i>	1	+	1	1	2	
	<i>Dactylis glomerata</i>	1	+	1	1	2	
	<i>Polygonum perfoliatum</i>	1	+	1	1	2	
	<i>Carex stans</i>	1	+	1	1	2	
CAR	<i>Calluna vulgaris</i>						
	<i>Narthecium ossifraga</i> ssp. <i>ediculae</i>	43	+	2	1	2	
	<i>Polygonum marinum</i>	13	+	1	1	2	
	<i>Atriplex portulacoides</i>	2	+	1	1	2	
CHE	<i>Chenopodium</i>						
	<i>Antennaria alpina</i>	4	+	1	1	2	
	<i>Valerianella coronata</i>	2	+	1	1	2	
	<i>Vicia sativa</i>	2	+	1	1	2	
	<i>Erophila peplata</i>	2	+	1	1	2	
	<i>Ceratostigma glomeratum</i>	1	+	1	1	2	
	<i>Malva pusilla</i>	1	+	1	1	2	
	<i>Grindelia paniculata</i>	1	+	1	1	2	
	<i>Carex stans</i>	1	+	1	1	2	
	<i>Carex riparia</i>	1	+	1	1	2	
	<i>Arenaria barbata</i>	1	+	1	1	2	
	<i>Ruppia cirrhosa</i>	1	+	1	1	2	
COR	<i>Kosteria-Corynephoretea ceniscentis</i>						
	<i>Equisetum censcentum</i>	6	+	1	1	2	
	<i>Mycetis canadensis</i>	2	+	1	1	2	
	<i>Hypochaeris radicata</i>	1	+	1	1	2	
EPI	<i>Epilobietea angustifoliae</i>						
	<i>Ceratodon purpureus</i>	5	+	1	1	2	
	<i>Stipa-Agrostis</i>	5	+	1	1	2	
	<i>Polygonum diversifolium</i>	5	+	1	1	2	
	<i>Calyptis spinosa</i>	3	2	+	1	2	
FES	<i>Festucet-Brometia</i>						
	<i>Sanguisorba minor</i>	3	+	1	1	2	
	<i>Lesqestia bipinnata</i>	3	+	1	1	2	
	<i>Luzula sylvatica</i>	2	+	1	1	2	
	<i>Anemone coronaria</i>	1	+	1	1	2	
	<i>Antennaria pedunculata</i>	1	+	1	1	2	
	<i>Hypoxis pedunculata</i>	1	+	1	1	2	
	<i>Thlaspi perfoliatum</i>	1	+	1	1	2	
ISO	<i>Iantho-Nemenecea</i>						
	<i>Iuncus articulatus</i>	12	+	1	1	2	
	<i>Senecio vernalis</i>	7	1	1	1	2	
	<i>Blackstonia perfoliata</i>	4	+	1	1	2	
	<i>Lithospermum hypoleuca</i>	3	+	1	1	2	
	<i>Ranunculus ophiocarpos</i>	2	+	1	1	2	
	<i>Ranunculus illyricus</i>	2	+	1	1	2	
JUN	<i>Juncus maritimus</i>						
	<i>Thlaspi arvense</i> ssp. <i>trigynum</i>	13	1	+	1	2	
JUN	<i>Lamium galeobdolon</i>	3	2	+	1	2	
	<i>Impatiens cylindrica</i>	2	+	1	1	2	
	<i>Limnanthes riparia</i>	1	+	1	1	2	
MOL	<i>Malvinae-Artemisiaetalia</i>						
	<i>Lotus corniculatus</i>	5	+	1	1	2	
	<i>Potentilla reptans</i>	4	+	1	1	2	
	<i>Agrostis stolonifera</i>	4	+	1	1	2	
	<i>Oenothera lutea</i>	3	+	1	1	2	
	<i>Trifolium pratense</i>	3	+	1	1	2	
	<i>Oenothera lutea</i>	3	+	1	1	2	
	<i>Dobera</i>	3	+	1	1	2	
	<i>Trifolium resupinatum</i>	3	+	1	1	2	
	<i>Althaea officinalis</i>	3	+	1	1	2	
	<i>Rumex conglomeratus</i>	2	+	1	1	2	
	<i>Lobelia peruviana</i>	2	+	1	1	2	
	<i>Oenothera stroblii</i>	2	+	1	1	2	
	<i>Veronica officinalis</i>	2	+	1	1	2	
	<i>Scrophularia scorodonia</i>	2	+	1	1	2	
	<i>Carex toru</i>	1	+	1	1	2	
	<i>Holosteum galactiferum</i>	1	+	1	1	2	
	<i>Dipsacus fullonum</i>	1	+	1	1	2	
	<i>Ranunculus marginatus</i>	1	+	1	1	2	
	<i>Neto-Tamarietalia</i>						
	<i>Persicaria gracilis</i>	4	+	1	1	2	
	<i>Persicaria macrorhiza</i>	6	15	+	1	2	
	<i>Carex africana</i>	4	1	1	1	2	
	<i>Tournefortia diffusa</i>	6	2	+	1	2	
PAP	<i>Other species</i>						
	<i>Crotonax decolor</i>	10</td					

**On-line Suppl. Tab. 2**

Date (year/month/day) and GPS coordinates of relevés (see On-line Suppl. Tab. 1).

1. 2012/05/04, 41.87902, 19.32544; 2. 2017/05/12, 41.87129, 19.33759; 3. 2017/05/13, 41.88644, 19.31188; 4. 2017/05/14, 41.90816, 19.24821; 5. 2013/06/04, 41.14967, 19.06069; 6. 2017/05/13, 41.88653, 19.31168; 7. 2015/06/14, 41.89944, 19.32333; 8. 2015/06/14, 41.88889, 19.31389; 9. 2015/06/14, 41.88972, 19.30917; 10. 2015/06/14, 41.88556, 19.3375; 11. 2015/06/14, 41.89667, 19.29111; 12. 2015/06/14, 41.89194, 19.30361; 13. 2015/06/14, 41.89167, 19.305; 14. 2015/06/14, 41.89639, 19.32833; 15. 2015/06/14, 41.89694, 19.32889; 16. 2015/06/14, 41.89667, 19.29111; 17. 2015/06/14, 41.89667, 19.29028; 18. 2015/06/14, 41.89667, 19.29028; 19. 2017/05/14, 41.90185, 19.27412; 20. 2017/05/14, 41.89989, 19.28006; 21. 2017/05/14, 41.898, 19.2892; 22. 2017/05/13, 41.88615, 19.31408; 23. 2017/05/13, 41.8865, 19.31234; 24. 2012/05/03, 41.88683, 19.31289; 25. 2012/05/03, 41.88591, 19.31472; 26. 2017/05/13, 41.8865, 19.31152; 27. 2012/05/03, 41.88544, 19.31327; 28. 2017/05/14, 41.89864, 19.28981; 29. 2012/05/03, 41.88896, 19.3095; 30. 2017/05/13, 41.88576, 19.3104; 31. 2017/05/14, 41.90277, 19.26729; 32. 2012/05/04, 41.87058, 19.33313; 33. 2012/05/04, 41.87014, 19.33345; 34. 2017/05/14, 41.90872, 19.24607; 35. 2017/05/12, 41.87234, 19.3312; 36. 2017/05/12, 41.87152, 19.33231; 37. 2017/05/13, 41.88688, 19.30897; 38. 2012/05/04, 41.86899, 19.33502; 39. 2012/05/04, 41.87225, 19.33177; 40. 2012/05/04, 41.87151, 19.3327; 41. 2012/05/03, 41.88556, 19.31226; 42. 2012/05/03, 41.88693, 19.3099; 43. 2012/05/03, 41.88739, 19.30941; 44. 2012/05/04, 41.87477, 19.32905; 45. 2012/05/04, 41.87641, 19.32698; 46. 2012/05/04, 41.87563, 19.32839; 47. 2017/05/10, 41.89482, 19.28956; 48. 2017/05/10, 41.88142, 19.31956; 49. 2017/05/10, 41.89653, 19.28437; 50. 2017/05/10, 41.89887, 19.27783; 51. 2017/05/14, 41.9084, 19.24752; 52. 2017/05/13, 41.90992, 19.24147; 53. 2017/05/14, 41.9094, 19.24461; 54. 2017/05/13, 41.90972, 19.24271; 55. 2017/05/13, 41.90982, 19.24184; 56. 2012/05/04, 41.87397, 19.33067; 57. 2012/05/04, 41.8729, 19.33135; 58. 2012/05/04, 41.87264, 19.33166; 59. 2012/05/04, 41.87315, 19.33089; 60. 2012/05/04, 41.8748, 19.32956; 61. 2019/05/08, 41.15456, 19.06372; 62. 2019/05/08, 41.15317, 19.06547; 63. 2017/05/13, 41.88537, 19.3129; 64. 2017/05/13, 41.88658, 19.3108; 65. 2012/05/03, 41.88565, 19.31383; 66. 2017/05/14, 41.90941, 19.24496; 67. 2017/05/14, 41.90047, 19.27407; 68. 2017/05/14, 41.9028, 19.24826; 69. 2017/05/14, 41.9087, 19.24806; 70. 2015/09/04, 0, 0; 71. 2017/05/11, 41.87949, 19.32814; 72. 2015/06/14, 41.88417, 19.32139; 73. 2012/05/04, 41.8713, 19.33821; 74. 2015/06/14, 41.89694, 19.32889; 75. 2013/06/04, 41.14953, 19.06078; 76. 2015/06/14, 41.89528, 19.33028; 77. 2015/06/15, 41.89778, 19.29417; 78. 2015/06/15, 41.89778, 19.29806; 79. 2015/06/14, 41.88944, 19.32389; 80. 2012/05/04, 41.87001, 19.34001; 81. 2015/06/14, 41.88583, 19.3375; 82. 2015/06/14, 41.88583, 19.33778; 83. 2015/06/15, 41.89694, 19.29806; 84. 2017/05/14, 41.89976, 19.28; 85. 2015/06/14, 41.89361, 19.30361; 86. 2017/05/14, 41.898, 19.28906; 87. 2015/06/14, 41.88944, 19.32389; 88. 2015/06/14, 41.89, 19.31944; 89. 2015/06/14, 41.88583, 19.33389; 90. 2015/06/15, 41.90167, 19.30444; 91. 2015/06/15, 41.89639, 19.29167; 92. 2015/06/14, 41.89194, 19.305; 93. 2015/06/14, 41.88944, 19.31278.