





**Figure S1.** Ranking of genera according to their abundance recorded in the different successional stages (R3, R10 and R14) and the references sites as well. The letter above each column corresponds to genus c-p value.

**Table S1.** The most abundant herbaceous species recorded in reclaimed and reference sites (Papatheodorou et al. 2019).

R2	R9	R13	Reference sites
<i>Polygonum aviculare</i>	<i>Medicago minima</i>	<i>Trifolium angustifolium</i>	<i>Dactylis glomerata</i>
<i>Hirschfeldia incana</i>	<i>Cynodon dactylon</i>	<i>Daucus carota</i>	<i>Thymus cherlerioides</i>
<i>Sonchus oleraceus</i>	<i>Lotus halophilus</i>	<i>Avena barbata</i>	<i>Carlina vulgaris</i>
<i>Melilotus albus</i>	<i>Plantago lanceolata</i>	<i>Anisantha diandra</i>	<i>Cichorium intybus</i>
<i>Polypogon monspeliensis</i>	<i>Solanum elaeagnifolium</i>	<i>Vulpia ciliata</i>	<i>Trifolium scabrum</i>
	<i>Trifolium campestre</i>	<i>Vicia villosa</i>	<i>Chrysopogon gryllus</i>
	<i>Centaurium tenuiflorum</i>	<i>Anisantha rubens</i>	<i>Trifolium angustifolium</i>
		<i>Bromus intermedius</i>	<i>Daucus carota</i>
		<i>Lactuca saligna</i>	<i>Avena barbata</i>
		<i>Convolvulus arvensis</i>	<i>Anisantha diandra</i>
		<i>Urospermum picroides</i>	<i>Solanum elaeagnifolium</i>
		<i>Medicago minima</i>	<i>Trifolium campestre</i>
		<i>Cynodon dactylon</i>	
		<i>Solanum elaeagnifolium</i>	
		<i>Trifolium campestre</i>	

**Table S2.** Results of one-way ANOVA applied on Channel Index.

	SS	df	MS	F	p
Between groups	26242.8	3	8747.61	14.29	4.44E-06
Within groups	19594.1	32	612.316		
Total	45837	35	2.00E-05		

**Table S3.** Results of one-way ANOVA applied on Enrichment Index.

	SS	df	MS	F	p
Between groups	4276.3	3	1425.43	6.267	0.00181
Within groups	7278.9	32	227.466		
Total	11555.2	35	0.0017		

**Table S4.** Results of one-way ANOVA applied on Plant Parasite Index.

	SS	df	MS	F	p
Between groups	0.111835	3	0.037278	0.5304	0.6649
Within groups	2.10846	30	0.070282		
Total	2.2203	33	0.6637		

**Table S5.** Results of one-way ANOVA applied on Maturity Index.

	SS	df	MS	F	p
Between groups	0.259853	3	0.086618	1.068	0.3766
Within groups	2.59638	32	0.081137		
Total	2.85623	35	0.3919		

**Table S6.** Results of one-way ANOVA applied on Structural Index.

	SS	df	MS	F	p
Between groups	1388.78	3	462.925	0.8092	0.4984
Within groups	17733.7	31	572.055		
Total	19122.5	34	0.495		