Macroinvertebrate variation in endorheic depression wetlands in North West and Mpumalanga provinces, South Africa

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Supplementary Table S1: GPS coordinates and hydrological states per sampling season of 19 sampled pans in North West (NW) and Mpumalanga (MP) provinces, South Africa

Pan name	GPS coordinates		Hydrological state	Hydrological state
	South	East	May 2012	December/January 2012/2013
NW A	-26.54822	25.30036	Dry	Wet
NW B	-26.61613	25.34218	Dry	Wet
NW C	-26.63553	25.37402	Dry	Dry
NW E	-26.77504	25.30532	Wet	Wet
NW F	-26.80451	25.49156	Dry	Wet
NW G	-26.7692	25.48975	Dry	Wet
NW H	-26.69913	25.4566	Dry	Wet
NW I	-26.59834	25.58096	Wet	Wet
NW J	-26.80149	25.49281	Not sampled	Wet
MP A	-26.26997	30.26477	Wet	Wet
MP B	-26.27777	30.26957	Wet	Wet
MP C	-26.26871	30.29175	Wet	Wet
MP D	-26.32602	30.28577	Wet	Wet
MP E	-26.32674	30.26735	Wet	Wet
MP F	-26.37426	30.28127	Wet	Dry
MP G	-26.36087	30.31407	Wet	Wet
MP H	-26.34822	30.3299	Wet	Wet
MP I	-26.36309	30.35846	Wet	Wet
MP J	-26.35973	30.25344	Wet	Wet

Supplementary Table S2: Water quality in 10 Mpumalanga pans in the 2012 dry season

Pan	Temperature (°C)	pH	Electrical conductivity (mS cm⁻¹)	Total dissolved solids (mg l⁻¹)	Oxygen saturation (%)	Oxygen content (mg l⁻¹)
Pan A	19.20	8.99	4.55	0.0035	95.40	8.90
Pan B	19.90	8.99	4.29	0.0031	89.90	8.47
Pan C	18.20	9.07	3.77	0.0025	110.10	10.20
Pan D	18.20	9.26	3.80	0.0026	59.60	6.43
Pan E	10.30	8.93	2.49	0.0016	86.80	7.88
Pan F	12.50	8.62	1.64	0.0010	89.70	8.99
Pan G	15.50	8.55	2.10	0.0014	89.90	8.86
Pan H	16.00	8.82	2.70	0.0019	85.60	8.48
Pan I	14.60	8.92	2.15	0.17	12.50	13.50
Pan J	10.00	8.62	0.17	0.0012	73.90	8.41

Supplementary Table S3: Water quality in nine Mpumalanga pans in the 2013 wet season

Pan	Temperature (°C)	pH	Electrical conductivity (mS cm⁻¹)	Total dissolved solids (mg l⁻¹)	Oxygen saturation (%)	Oxygen content (mg l⁻¹)
Pan A	24.00	9.39	OL	OL	5.87	0.68
Pan B	23.00	9.38	9.06	0.0042	7.44	0.88
Pan C	28.20	9.20	5.06	0.0037	7.98	1.05
Pan D	22.30	8.96	6.02	0.0031	7.66	0.89
Pan E	24.50	8.98	2.80	0.0019	7.80	0.91
Pan F	21.80	8.92	2.30	0.0012	6.19	0.69
Pan G	24.50	9.07	3.52	0.0024	6.59	0.84
Pan H	26.60	9.31	2.96	0.0020	6.69	0.79
Pan I	20.60	9.52	0.24	0.0010	9.01	0.98

Supplementary Table S4: Water quality in two North West pans in the 2012 dry season

Pan	Temperature (°C)	pH	Electrical conductivity (mS cm⁻¹)	Total dissolved solids (mg l⁻¹)	Oxygen saturation (%)	Oxygen content (mg l⁻¹)
Pan E	22.00	9.79	11.88	0.0085	21.57	222.00
Pan I	15.00	9.20	1.32	0.0090	9.59	97.00

Supplementary Table S5: Water quality in nine North West pans in the 2013 wet season

Pan	Temperature (°C)	pH	Electrical conductivity (mS cm⁻¹)	Total dissolved solids (mg l⁻¹)	Oxygen saturation (%)	Oxygen content (mg l⁻¹)
Pan A	33.20	10.08	1.69	0.0012	97.30	7.93
Pan B	32.80	9.32	33.00	0.0002	88.00	5.90
Pan C	23.30	9.57	5.21	0.00003	77.30	6.59
Pan E	31.90	8.95	4.56	0.00003	95.40	6.92
Pan F	36.60	9.17	3.58	0.00002	140.20	8.04
Pan G	32.40	9.20	3.90	0.00003	65.40	5.20
Pan H	28.80	9.14	1.54	0.0010	90.50	7.25
Pan I	31.80	9.11	0.82	0.00005	88.90	6.35
Pan J	33.20	10.08	1.69	0.0012	97.30	7.93