

Title: Potential range shifts and climatic refugia of rupicolous reptiles in a biodiversity hotspot of South Africa

Journal Name: Environmental Conservation

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Table S1: The spatially rarefied occurrence points gathered from field work of all species analysed in the study. Records obtained from the Global Biodiversity Information Facility (GBIF) are not included here.

Species	Latitude	Longitude	Location	Observer(s)
<i>Afroedura pienaari</i>	-22.9844	29.41328	Goro Game Reserve	van Huyssteen R & Petford M
	-22.9513	29.48729	Bergtop Game Reserve	van Huyssteen R & Petford M
	-22.9578	29.41277	Goro Game Reserve	van Huyssteen R & Petford M
	-22.9880	29.42475	Goro Game Reserve	van Huyssteen R & Petford M
	-22.9469	29.46276	Bergtop Game Reserve	van Huyssteen R & Petford M
	-23.043	29.45005	Lajuma Research Centre	van Huyssteen R & Petford M
	-23.0369	29.42626	Lajuma Research Centre	van Huyssteen R & Petford M
	-23.0327	29.44547	Lajuma Research Centre	van Huyssteen R & Petford M
	-23.0208	29.43580	Lajuma Research Centre	van Huyssteen R & Petford M
	-23.0181	29.40674	Farm Diepkloof 41	van Huyssteen R & Petford M
	-23.0269	29.41068	Farm Diepkloof 41	van Huyssteen R & Petford M
	-22.9753	29.62399	Medike Nature Reserve	van Huyssteen R & Petford M
	-22.9663	29.62280	Medike Nature Reserve	van Huyssteen R & Petford M
	-22.9605	29.61250	Medike Nature Reserve	van Huyssteen R & Petford M
	-22.9783	29.61064	Medike Nature Reserve	van Huyssteen R & Petford M

Supplementary Table 1 Cont.

	-22.9988	29.61992	Medike Nature Reserve	van Huyssteen R & Petford M
	-22.9863	29.61703	Medike Nature Reserve	van Huyssteen R & Petford M
<i>Chondrodactylus turneri</i>	-22.9975	29.26011	5.8km NE of Vivo on the R521	van Huyssteen R & Petford M
	-22.9821	29.61919	Medike Nature Reserve	van Huyssteen R & Petford M
	-22.4224	31.03601	Pafuri River Camp	van Huyssteen R & Petford M
	-22.4316	31.03899	Pafuri River Camp	van Huyssteen R & Petford M
	-22.9917	29.61166	Medike Nature Reserve	van Huyssteen R & Petford M
	-23.0141	29.40548	Farm Diepkloof 41	van Huyssteen R & Petford M
	-22.9627	29.62193	Medike Nature Reserve	van Huyssteen R & Petford M
	-22.9729	29.62460	Medike Nature Reserve	van Huyssteen R & Petford M
	-22.9566	29.61020	Medike Nature Reserve	van Huyssteen R & Petford M
	-22.8004	29.56200	13km NE of Waterpoort on the Waterpoort to Alldays Road	van Huyssteen R & Petford M
	-22.9892	29.42834	Goro Game Reserve	van Huyssteen R & Petford M
	-22.8728	29.60991	Waterpoort	van Huyssteen R & Petford M
	-22.8473	29.59740	7km NE of Waterpoort on the Waterpoort to Alldays Road	van Huyssteen R & Petford M
	-22.8936	29.60967	Waterpoort	van Huyssteen R & Petford M
	-22.6921	31.01619	Punda Maria, KNP	van Huyssteen R & Petford M
	-22.7047	30.79887	Golwe Vhivhuri	van Huyssteen R & Petford M

Supplementary Table 1 Cont.

-22.6518	30.56333	Gundani	van Huyssteen R & Petford M
-22.7494	29.99563	13.4km NE after the junction of the N1 on the Nzhele Dam sand road	van Huyssteen R & Petford M
-22.9614	29.42245	Goro Game Reserve	van Huyssteen R & Petford M
-22.9690	29.41637	Goro Game Reserve	van Huyssteen R & Petford M
-22.4366	30.95524	Awelani Lodge, Pafuri	van Huyssteen R & Petford M
-22.4333	30.94205	Awelani Lodge, Pafuri	van Huyssteen R & Petford M
-22.9808	29.60761	Medike Nature Reserve	van Huyssteen R & Petford M
-22.9760	29.29738	7.5km NE from Vivo on the R523	van Huyssteen R & Petford M
-23.0414	29.44664	Lajuma Research Centre	van Huyssteen R & Petford M
-22.9029	29.60951	Waterpoort	van Huyssteen R & Petford M
-22.8844	29.60977	Waterpoort	van Huyssteen R & Petford M
-22.8249	29.58742	9km NE of Waterpoort on the Waterpoort to Alldays Road	van Huyssteen R & Petford M
-22.8053	29.46361	6km SE of Vetfontein on the Waterpoort to Alldays Road	van Huyssteen R & Petford M
-23.0390	29.30661	3km E of Vivo on the R522	van Huyssteen R & Petford M
-22.8027	29.52757	15km NE of Waterpoort on the Waterpoort to Alldays Road	van Huyssteen R & Petford M
-22.8013	29.53934	14km NE of Waterpoort on the Waterpoort to Alldays Road	van Huyssteen R & Petford M
-22.9344	29.39370	23.5km W of Waterpoort on the R523	van Huyssteen R & Petford M
-23.0422	29.27617	Vivo	van Huyssteen R & Petford M

Supplementary Table 1 Cont.

-22.9859	29.41801	Goro Game Reserve	van Huyssteen R & Petford M
-22.9577	29.41276	Goro Game Reserve	van Huyssteen R & Petford M
-22.9412	29.44345	Bergtop Game Reserve	van Huyssteen R & Petford M
-22.9481	29.41805	Goro Game Reserve	van Huyssteen R & Petford M
-22.7968	29.44861	4km SE of Vetfontein on the Waterpoort to Alldays Road	van Huyssteen R & Petford M
-22.8052	29.50554	16km NE of Waterpoort on the Waterpoort to Alldays Road	van Huyssteen R & Petford M
-23.0607	29.32778	5km SE of Vivo on the R522	van Huyssteen R & Petford M
-23.0834	29.44904	6km E of Buysdorp on the R522	van Huyssteen R & Petford M
-22.9325	29.55518	Bergtop Game Reserve	van Huyssteen R & Petford M
-22.9483	29.47027	Bergtop Game Reserve	van Huyssteen R & Petford M
-22.9495	29.48669	Bergtop Game Reserve	van Huyssteen R & Petford M
-22.9466	29.45943	Bergtop Game Reserve	van Huyssteen R & Petford M
-22.9231	29.45605	17km W of Waterpoort on the R523	van Huyssteen R & Petford M
-22.8166	29.5829	10.5km NE of Waterpoort on the Waterpoort to Alldays Road	van Huyssteen R & Petford M
-23.0509	29.48359	Camp Aquila	van Huyssteen R & Petford M
-22.9055	29.62040	Waterpoort	van Huyssteen R & Petford M
-22.8629	29.60785	Waterpoort	van Huyssteen R & Petford M
-22.8048	29.57454	12km NE of Waterpoort on the Waterpoort to Alldays Road	van Huyssteen R & Petford M

Supplementary Table 1 Cont.

	-22.8046	30.65041	Mphaphuli Nature Reserve	van Huyssteen R & Petford M
	-22.7947	30.65304	Mphaphuli Nature Reserve	van Huyssteen R & Petford M
	-22.9152	29.22951	15km NE of Vivo on the R521	van Huyssteen R & Petford M
	-23.0187	29.64110	Midoroni Village	van Huyssteen R & Petford M
	-23.0007	29.62072	Medike Nature Reserve	van Huyssteen R & Petford M
	-23.0116	29.63407	Midoroni Village	van Huyssteen R & Petford M
	-22.9812	29.62905	Medike Nature Reserve	van Huyssteen R & Petford M
	-22.8354	29.59059	8km NE of Waterpoort on the Waterpoort to Alldays Road	van Huyssteen R & Petford M
<i>Cordylus vittifer</i>	-22.9722	30.29406	Entabeni State Forest	van Huyssteen R & Petford M
	-22.9806	30.25258	Entabeni State Forest	van Huyssteen R & Petford M
	-22.9740	30.30708	Entabeni State Forest	van Huyssteen R & Petford M
	-22.9946	29.89143	Hanglip Forest Reserve	van Huyssteen R & Petford M
<i>Lygodactylus incognitus</i>	-23.0386	29.43002	Lajuma Research Centre	van Huyssteen R & Petford M
	-23.0173	29.4073	Farm Diepkloof 41	van Huyssteen R & Petford M
	-22.9951	29.89476	Hanglip Forest Reserve	van Huyssteen R & Petford M
	-23.0244	29.42688	Lajuma Research Centre	van Huyssteen R & Petford M
	-23.0259	29.41033	Farm Diepkloof 41	van Huyssteen R & Petford M
	-23.0393	29.45245	Lajuma Research Centre	van Huyssteen R & Petford M

Supplementary Table 1 Cont.

	-23.0387	29.43997	Lajuma Research Centre	van Huyssteen R & Petford M
	-23.0268	29.43756	Lajuma Research Centre	van Huyssteen R & Petford M
	-22.9834	29.60652	Medike Nature Reserve	van Huyssteen R & Petford M
	-22.9778	29.61115	Medike Nature Reserve	van Huyssteen R & Petford M
<i>Lygodactylus</i>				
<i>soutpansbergensis</i>	-23.0171	29.40716	Farm Diepkloof 41	van Huyssteen R & Petford M
	-22.9902	29.43011	Goro Game Reserve	van Huyssteen R & Petford M
	-22.9702	29.41574	Goro Game Reserve	van Huyssteen R & Petford M
	-23.0233	29.43145	Lajuma Research Centre	van Huyssteen R & Petford M
	-22.9509	29.41411	Goro Game Reserve	van Huyssteen R & Petford M
	-23.0008	29.42478	Goro Game Reserve	van Huyssteen R & Petford M
	-22.9672	29.62668	Medike Nature Reserve	van Huyssteen R & Petford M
	-23.0412	29.44723	Lajuma Research Centre	van Huyssteen R & Petford M
	-23.0339	29.43185	Lajuma Research Centre	van Huyssteen R & Petford M
	-23.0260	29.40972	Farm Diepkloof 41	van Huyssteen R & Petford M
	-23.0421	29.42510	Lajuma Research Centre	van Huyssteen R & Petford M
	-22.9823	29.61443	Medike Nature Reserve	van Huyssteen R & Petford M
	-22.9797	30.25227	Entabeni State Forest	van Huyssteen R & Petford M

Supplementary Table 1 Cont.

<i>Platysaurus intermedius</i>	-22.6515	30.56283	Gundani	van Huyssteen R & Petford M
	-22.7204	30.80093	Golwe Vhivhuri	van Huyssteen R & Petford M
<i>Platysaurus relictus</i>	-22.9377	29.42796	Goro Game Reserve	van Huyssteen R & Petford M
	-22.9510	29.61295	Medike Nature Reserve	van Huyssteen R & Petford M
	-22.9775	29.62245	Medike Nature Reserve	van Huyssteen R & Petford M
	-22.9879	29.42344	Goro Game Reserve	van Huyssteen R & Petford M
	-22.9963	29.61863	Medike Nature Reserve	van Huyssteen R & Petford M
	-22.9832	29.60748	Medike Nature Reserve	van Huyssteen R & Petford M
	-22.9641	29.62232	Medike Nature Reserve	van Huyssteen R & Petford M
	-22.9574	29.41325	Goro Game Reserve	van Huyssteen R & Petford M
	-22.9996	29.42707	Goro Game Reserve	van Huyssteen R & Petford M
	-22.9673	29.63198	Medike Nature Reserve	van Huyssteen R & Petford M
	-23.0247	29.42737	Lajuma Research Centre	van Huyssteen R & Petford M
	-22.9615	29.42235	Goro Game Reserve	van Huyssteen R & Petford M
	-22.9832	29.41349	Goro Game Reserve	van Huyssteen R & Petford M
	-22.9944	29.40454	Goro Game Reserve	van Huyssteen R & Petford M
	-23.0338	29.43176	Lajuma Research Centre	van Huyssteen R & Petford M
	-22.9862	29.44425	Goro Game Reserve	van Huyssteen R & Petford M

Supplementary Table 1 Cont.

	-22.9822	29.4337	Goro Game Reserve	van Huyssteen R & Petford M
	-23.0158	29.40663	Farm Diepkloof 41	van Huyssteen R & Petford M
	-23.0262	29.40987	Farm Diepkloof 41	van Huyssteen R & Petford M
	-22.9692	29.41664	Goro Game Reserve	van Huyssteen R & Petford M
	-22.9486	29.47131	Bergtop Game Reserve	van Huyssteen R & Petford M
	-23.0353	29.44372	Lajuma Research Centre	van Huyssteen R & Petford M
	-23.0178	29.43372	Lajuma Research Centre	van Huyssteen R & Petford M
	-23.0108	29.46136	Sigurwana	van Huyssteen R & Petford M
	-23.0070	29.4396	Sigurwana	van Huyssteen R & Petford M
	-22.9928	29.45718	Sigurwana	van Huyssteen R & Petford M
	-22.9865	29.62006	Medike Nature Reserve	van Huyssteen R & Petford M
<i>Smaug depressus</i>	-22.9632	29.62300	Medike Nature Reserve	van Huyssteen R & Petford M
	-23.0284	29.41369	Farm Diepkloof 41	van Huyssteen R & Petford M
	-22.9577	29.60971	Medike Nature Reserve	van Huyssteen R & Petford M
	-22.9819	29.42595	Goro Game Reserve	van Huyssteen R & Petford M
	-22.9902	29.43046	Goro Game Reserve	van Huyssteen R & Petford M
	-22.7130	30.79559	Golwe Vhivhuri	van Huyssteen R & Petford M
	-22.9528	29.41276	Goro Game Reserve	van Huyssteen R & Petford M



Supplementary Table 1 Cont.

-22.9928	29.89426	Hanglip Forest Reserve	van Huyssteen R & Petford M
-22.9689	29.63594	Medike Nature Reserve	van Huyssteen R & Petford M
-23.0266	29.43788	Lajuma Research Centre	van Huyssteen R & Petford M
-23.0244	29.42728	Lajuma Research Centre	van Huyssteen R & Petford M
-22.9920	29.61131	Medike Nature Reserve	van Huyssteen R & Petford M
-22.9832	29.41340	Goro Game Reserve	van Huyssteen R & Petford M
-22.9950	29.40528	Goro Game Reserve	van Huyssteen R & Petford M
-23.0004	29.42753	Goro Game Reserve	van Huyssteen R & Petford M
-22.9968	29.86121	Hanglip Forest Reserve	van Huyssteen R & Petford M
-22.9820	29.61500	Medike Nature Reserve	van Huyssteen R & Petford M
-22.9748	29.62413	Medike Nature Reserve	van Huyssteen R & Petford M
-23.0140	29.40558	Farm Diepkloof 41	van Huyssteen R & Petford M
-23.0379	29.45556	Lajuma Research Centre	van Huyssteen R & Petford M
-23.0456	29.44528	Lajuma Research Centre	van Huyssteen R & Petford M
-22.9721	30.30450	Entabeni State Forest	van Huyssteen R & Petford M
-22.9804	30.25244	Entabeni State Forest	van Huyssteen R & Petford M
-22.6998	30.96104	6km E of Punda Maria on Mahonie Loop, KNP	van Huyssteen R & Petford M
-22.9332	29.53554	Bergtop Game Reserve	van Huyssteen R & Petford M

Supplementary Table 1 Cont.

	-22.7946	30.65301	Mphaphuli Nature Reserve	van Huyssteen R & Petford M
	-22.8092	30.65318	Mphaphuli Nature Reserve	van Huyssteen R & Petford M
	-23.0351	29.44258	Lajuma Research Centre	van Huyssteen R & Petford M
	-23.0347	29.43102	Lajuma Research Centre	van Huyssteen R & Petford M
	-23.0482	29.47562	Farm Koedoesvlei 47	van Huyssteen R & Petford M
	-22.9941	29.87366	Hanglip Forest Reserve	van Huyssteen R & Petford M
	-22.9932	29.62157	Medike Nature Reserve	van Huyssteen R & Petford M
	-23.0543	29.44993	Farm Bergplaatz 40	van Huyssteen R & Petford M
	-23.0402	29.42297	Lajuma Research Centre	van Huyssteen R & Petford M
	-23.0006	29.56686	Sigurwana	van Huyssteen R & Petford M
	-23.0180	29.51985	Sigurwana	van Huyssteen R & Petford M
	-22.9838	29.62546	Medike Nature Reserve	van Huyssteen R & Petford M
	-22.9909	29.69077	Farm Leek 769	van Huyssteen R & Petford M
	-22.9967	29.70781	Farm Crewe 771	van Huyssteen R & Petford M
	-23.0028	29.6215	Medike Nature Reserve	van Huyssteen R & Petford M
<i>Trachylepis margaritifer</i>	-22.4314	31.03954	Pafuri River Camp	van Huyssteen R & Petford M
	-22.5977	30.16262	Tshipise	van Huyssteen R & Petford M
	-22.9746	29.4333	Goro Game Reserve	van Huyssteen R & Petford M

Supplementary Table 1 Cont.

-22.9781	29.61019	Medike Nature Reserve	van Huyssteen R & Petford M
-23.0496	29.45463	Farm Bergplaatz 40	van Huyssteen R & Petford M
-23.0520	29.48429	Farm Koedoesvlei 47	van Huyssteen R & Petford M
-22.7372	31.01064	Punda Maria Gate, KNP	van Huyssteen R & Petford M
-22.6515	30.56288	Gundani	van Huyssteen R & Petford M
-22.9544	29.6113	Medike Nature Reserve	van Huyssteen R & Petford M
-22.9948	29.89037	Hanglip Forest Reserve	van Huyssteen R & Petford M
-22.9724	29.41768	Goro Game Reserve	van Huyssteen R & Petford M
-22.9892	29.43147	Goro Game Reserve	van Huyssteen R & Petford M
-22.9818	29.42561	Goro Game Reserve	van Huyssteen R & Petford M
-22.9657	29.6216	Medike Nature Reserve	van Huyssteen R & Petford M
-22.9691	29.63643	Medike Nature Reserve	van Huyssteen R & Petford M
-22.9838	29.61799	Medike Nature Reserve	van Huyssteen R & Petford M
-23.0416	29.44313	Lajuma Research Centre	van Huyssteen R & Petford M
-22.9936	29.61009	Medike Nature Reserve	van Huyssteen R & Petford M
-22.9953	29.40496	Goro Game Reserve	van Huyssteen R & Petford M
-22.4328	30.93931	Awelani Lodge, Pafuri	van Huyssteen R & Petford M
-22.4361	30.95573	Awelani Lodge, Pafuri	van Huyssteen R & Petford M

Supplementary Table 1 Cont.

-22.4270	30.95194	Awelani Lodge, Pafuri	van Huyssteen R & Petford M
-22.3885	31.14364	10km E of Pafuri Gate on the Pafuri Gate to Punda Maria Road	van Huyssteen R & Petford M
-22.9713	30.29363	Entabeni State Forest	van Huyssteen R & Petford M
-22.9857	29.44396	Goro Game Reserve	van Huyssteen R & Petford M
-22.9574	29.41371	Goro Game Reserve	van Huyssteen R & Petford M
-23.0135	29.40498	Farm Diepkloof 41	van Huyssteen R & Petford M
-23.0255	29.41049	Farm Diepkloof 41	van Huyssteen R & Petford M
-22.9751	29.62415	Medike Nature Reserve	van Huyssteen R & Petford M
-23.0309	29.44334	Lajuma Research Centre	van Huyssteen R & Petford M
-23.0379	29.45576	Lajuma Research Centre	van Huyssteen R & Petford M
-23.0378	29.42674	Lajuma Research Centre	van Huyssteen R & Petford M
-22.9748	30.30400	Entabeni State Forest	van Huyssteen R & Petford M
-22.9796	30.25307	Entabeni State Forest	van Huyssteen R & Petford M
-22.6208	31.17609	18km NE of Punda Maria on the Pafuri Gate-Punda Maria road, KNP	van Huyssteen R & Petford M
-22.9432	29.46542	Bergtop Game Reserve	van Huyssteen R & Petford M
-22.9575	29.48926	Bergtop Game Reserve	van Huyssteen R & Petford M
-22.9318	29.5553	Bergtop Game Reserve	van Huyssteen R & Petford M
-22.8070	30.65397	Mphaphuli Nature Reserve	van Huyssteen R & Petford M

Supplementary Table 1 Cont.

	-22.8015	29.90224	1km S before the junction to the Nzhele Dam sand road on the N1	van Huyssteen R & Petford M
	-23.0292	29.41959	Farm Diepkloof 41	van Huyssteen R & Petford M
	-22.9927	29.86908	Hanglip Forest Reserve	van Huyssteen R & Petford M
	-23.0208	29.43279	Lajuma Research Centre	van Huyssteen R & Petford M
	-23.0083	29.59402	Farm Bristol 760	van Huyssteen R & Petford M
	-22.9888	29.48078	Sigurwana	van Huyssteen R & Petford M
	-22.9958	29.50729	Sigurwana	van Huyssteen R & Petford M
	-22.9914	29.45781	Sigurwana	van Huyssteen R & Petford M
	-23.0222	29.90884	Hanglip Forest Reserve	van Huyssteen R & Petford M
	-22.9920	29.62186	Medike Nature Reserve	van Huyssteen R & Petford M
	-22.9900	29.69828	Farm Leek 769	van Huyssteen R & Petford M
<i>Trachylepis punctatissima</i>	-22.9962	29.89291	Hanglip Forest Reserve	van Huyssteen R & Petford M
	-22.9824	30.28281	Entabeni State Forest	van Huyssteen R & Petford M
	-23.0498	30.22304	Entabeni State Forest	van Huyssteen R & Petford M
	-23.001	30.17221	Entabeni State Forest	van Huyssteen R & Petford M
	-23.0007	30.25978	Entabeni State Forest	van Huyssteen R & Petford M
	-22.9911	30.25576	Entabeni State Forest	van Huyssteen R & Petford M
	-23.0000	29.87969	Hanglip Forest Reserve	van Huyssteen R & Petford M

Supplementary Table 1 Cont.

	-23.0196	29.90914	Hanglip Forest Reserve	van Huyssteen R & Petford M
	-23.0562	29.48796	Farm Koedoesvlei 47	van Huyssteen R & Petford M
<i>Vhembelacerta rupicola</i>	-22.9872	29.61466	Medike Nature Reserve	van Huyssteen R & Petford M
	-23.0248	29.42744	Lajuma Research Centre	van Huyssteen R & Petford M
	-23.0344	29.44958	Lajuma Research Centre	van Huyssteen R & Petford M
	-23.0416	29.44281	Lajuma Research Centre	van Huyssteen R & Petford M
	-22.9682	29.62607	Medike Nature Reserve	van Huyssteen R & Petford M
	-23.0166	29.40704	Farm Diepkloof 41	van Huyssteen R & Petford M
	-23.0200	29.43618	Lajuma Research Centre	van Huyssteen R & Petford M
	-23.0259	29.4104	Farm Diepkloof 41	van Huyssteen R & Petford M
	-23.0326	29.43952	Lajuma Research Centre	van Huyssteen R & Petford M
	-23.0366	29.42809	Lajuma Research Centre	van Huyssteen R & Petford M