

Supplementary information for 2003-06-05570A

Table Legends

Table 1 Data used to investigate correlations between change in forest cover (1990-95) and a range of socio-economic factors.

Table 2 Data used in stepwise regression modelling to find socio-economic factors that best explain changes in national populations of African elephants and black rhinoceros between 1987 and 1994.

Table 3 Data used to investigate links between countries that have been identified as containing priority areas for conservation and national governance scores.

Supplementary information for 2003-06-05570A: Table 1

Country	Change in natural forest cover (%)	Change in total forest cover (%)	Mean modelled governance score	Mean per capita GDP	Mean population density (km ⁻²)	Mean HDI score
Algeria	-1.63	-1.22	3.18	1691.7	11.1	0.64
Angola	-1.05	-0.95	2.76	673.3	8.1	
Argentina	-0.27	-0.26	3.80	6538.7	12.3	0.81
Australia		0.04	8.31	18153.1	2.3	0.89
Austria		0.00	8.31	24085.5	95.7	0.89
Bangladesh	-3.14	-0.85	1.95	293.9	884.6	0.42
Belgium		0.00	8.14	22688.1	329.7	0.90
Bolivia	-1.17	-1.17	2.23	887.0	6.4	0.60
Botswana	-0.50	-0.50	4.57	3021.7	2.4	0.65
Brazil	-0.46	-0.46	4.37	3109.7	18.2	0.72
Bulgaria		0.02	4.48	1297.7	76.9	0.79
Burkina Faso	-0.74	-0.74	3.15	256.7	34.5	0.29
Cameroon	-0.65	-0.65	3.63	848.3	26.5	0.51
Canada		0.07	9.85	20246.3	3.1	0.93
Chile	-0.42	-0.37	3.57	3343.8	18.2	0.79
China	-0.48	-0.06	4.44	441.7	125.5	0.63
Colombia	-0.49	-0.49	3.35	1732.4	35.4	0.73
Congo	-0.21	-0.21	2.73	1081.1	7.0	0.51
Costa Rica	-3.13	-3.07	4.95	2760.1	62.0	0.79
Cote d'Ivoire	-0.57	-0.56	4.28	785.7	39.5	0.42
Cuba	-1.42	-1.24	3.73		99.0	
Dem. Rep. of Congo	-0.67	-0.67	1.49	178.4	17.9	
Denmark		0.00	9.85	28473.1	122.0	0.89
Dominican Republic	-1.61	-1.60	3.37	1221.8	154.4	0.68
Ecuador	-1.64	-1.63	3.50	1240.8	39.2	0.71
Egypt	0.00	0.00	3.40	801.9	55.6	0.58
Ethiopia	-0.46	-0.45	2.16	150.6	48.9	0.30
Finland		-0.08	9.85	22725.4	16.6	0.90

France		1.10	8.77	23322.1	106.7	0.90
Gabon	-0.50	-0.50	2.75	5282.6	4.0	
Germany		0.00	9.10	24343.1	231.1	0.89
Ghana	-1.27	-1.26	3.89	391.2	70.2	0.51
Greece		2.29	5.82	9369.9	80.2	0.86
Guatemala	-2.05	-2.04	2.08	1112.2	86.2	0.58
Guinea-Bissau	-0.44	-0.45	2.13	238.3	28.4	0.31
Guinea	-1.14	-1.14	3.41	519.5	25.1	
Guyana	-0.05	-0.05	2.18	581.9	3.8	0.68
Honduras	-2.34	-2.34	2.37	607.0	47.0	0.62
Hungary		0.52	6.15	3774.8	111.6	0.81
Iceland		0.00	9.85	24755.8	2.6	0.91
India	-0.53	0.01	3.43	343.9	299.3	0.52
Indonesia	-1.02	-0.96	2.86	817.7	102.7	0.63
Iran	-1.85	-1.76	3.67	1505.2	34.9	0.65
Iraq	0.00	0.00	1.77			
Ireland		2.62	7.75	15014.9	51.7	0.87
Italy		0.09	5.22	19453.6	193.8	0.88
Japan		-0.05	8.09	33215.3	330.7	0.91
Jordan	-4.82	-2.50	4.07	1305.3	42.4	0.68
Kenya	-0.28	-0.26	3.80	311.4	44.6	0.53
Liberia	-0.58	-0.59	1.42			
Libya	0.00	0.00	3.83	5664.8		
Madagascar	-0.85	-0.84	3.50	249.8	21.4	0.44
Malawi	-1.63	-1.57	2.91	194.5	96.9	0.37
Malaysia	-2.47	-2.43	4.10	3334.3	59.0	0.73
Mali	-0.96	-0.96	2.19	263.1	7.4	0.32
Mexico	-0.90	-0.90	3.28	3782.8	45.5	0.76
Mongolia	0.00	0.00	3.93	509.7		0.65
Morocco	-0.33	-0.31	3.50	1113.3	56.5	0.55
Mozambique	-0.68	-0.68	3.66	159.0	19.0	0.31
Myanmar	-1.42	-1.38	2.31	80.6		
Namibia	-0.34	-0.34	5.54	1865.1	1.8	0.63
Netherlands		0.00	9.85	22141.5	448.7	0.91

New Zealand		0.56	9.85	13571.4	13.2	0.88
Nicaragua	-2.55	-2.54	3.96	422.5	34.0	0.60
Niger	0.00	0.00	3.04	257.8	6.7	0.26
Nigeria	-0.87	-0.86	2.67	262.1	113.7	0.43
North Korea	0.00	0.00	3.31			
Norway		0.34	8.92	28850.4	14.0	0.91
Oman	0.00	0.00	3.91	6450.0		
Pakistan	-3.21	-2.92	2.58	453.7	149.3	0.45
Panama	-2.16	-2.15	2.12	2652.8	33.8	0.75
Papua New Guinea	-0.36	-0.36	3.74	1120.3	9.0	0.49
Paraguay	-2.65	-2.65	2.59	1504.2	11.4	0.72
Peru	-0.32	-0.32	2.69	1869.3	17.6	0.71
Philippines	-3.65	-3.54	2.52	851.1	222.6	0.72
Poland		0.14	6.05	2300.7	126.1	0.80
Portugal		0.85	5.89	9045.7	108.1	0.83
Romania		-0.02	3.60	1302.3	99.4	0.78
Russia		0.00	3.85	3000.1	8.8	0.82
Saudi Arabia	-0.79	-0.79	3.17	6917.2		0.71
Senegal	-0.67	-0.66	3.10	649.8	40.6	0.38
Sierra Leone	-3.03	-3.02	1.97	194.8	59.3	
Somalia	-0.15	-0.16	1.99			
South Africa	-0.21	-0.18	6.38	3471.1	30.5	0.72
Spain		0.00	5.46	14038.1	78.2	0.88
Sri Lanka	-1.19	-1.09	3.00	578.7	271.4	0.70
South Korea	-0.21	-0.17	5.67	7947.3	446.5	0.82
Sudan	-0.83	-0.83	2.18	487.7		0.43
Suriname	-0.08	-0.08	2.63	1428.8		
Sweden		-0.01	9.85	26427.3	21.1	0.90
Switzerland		0.00	9.85	36414.9	174.3	0.91
Syria	-4.98	-2.24	3.42	1058.1	71.4	0.64
Taiwan			5.54	10241.8	576.3	
Tanzania	-0.97	-0.97	3.54	191.0	31.2	0.42
Thailand	-2.77	-2.65	4.72	2078.9	112.8	0.72
Togo	-1.47	-1.44	2.31	372.6	70.1	0.47

Tunisia	-0.80	-0.53	3.38	1757.5	52.4	0.65
Turkey		0.00	4.03	2666.4	76.6	0.69
United Arab Emirates	0.00	0.00	3.06	18160.7		
Uganda	-0.95	-0.95	2.69	207.8	88.9	0.39
United Kingdom		0.54	8.14	17866.3	240.5	0.88
United States		0.28	8.31	25430.8	28.0	0.92
Uruguay	-0.05	-0.05	2.87	4502.9	18.1	0.80
Venezuela	-1.12	-1.11	3.50	2908.8	23.4	0.76
Vietnam	-1.69	-1.43	3.10	182.1	213.9	0.61
Zambia	-0.83	-0.82	2.90	398.3	11.3	0.46
Zimbabwe	-0.57	-0.57	4.11	707.6	26.9	0.59

Supplementary information for 2003-06-05570A: Table 2

Country	Elephant population change (%)	Black rhino population change (%)	Mean modelled governance score	Mean per capita GDP	Mean population density (km ⁻²)	Mean HDI score	Adjusted spending per km ² of PA
Angola		-85.7	2.85	776.0			
Botswana	62.7		4.90	2582.7	2.3	0.64	57.4
Cameroon	-32.0	-10.0	3.44	1029.2	24.7	0.51	13.0
Congo	-32.3		2.70	1176.8	6.5	0.51	
Cote d'Ivoire	-61.6		4.15	886.7	36.6	0.41	79.7
DRC	-67.2		1.50	211.6	16.5		4.1
Ethiopia	-90.1		2.24	170.3	46.0	0.29	5.0
Gabon	-18.7		2.84	5134.6	3.7		7.0
Ghana	-71.2		3.47	392.6	65.3	0.50	157.0
Kenya	-32.0	9.5	3.85	339.8	41.4	0.52	88.5
Malawi	-17.0		3.00	201.7	90.1	0.36	51.9
Mozambique	-5.9	-50.0	3.71	164.9	18.2	0.30	
Namibia	42.5	29.8	5.20	1752.7	1.6		74.5
Nigeria	-55.2		2.50	272.7	105.8	0.42	107.0
Somalia	-58.3		2.55				
South Africa	22.5	55.5	6.48	3086.5	28.9	0.70	1672.4
Sudan	-100.0		2.10	594.8		0.41	
Tanzania	-45.8	-52.0	3.19	203.8	28.9	0.42	178.3
Uganda	-38.4		2.46	273.9	82.0	0.39	
Zambia	-44.4	-79.3	2.65	419.7	10.5	0.47	
Zimbabwe	42.5	-78.5	3.71	784.0	25.2	0.61	449.5

Supplementary information for 2003-06-05570A: Table 3

Country	Governance score (2002)	Does country contain a hotspot?	Does country contain an EBA?	Does country contain a Focal 25 ecoregion?	Adjusted species richness (km ⁻²)
Albania	2.50	Yes	No	No	23.2
Angola	1.70	No	Yes	Yes	31.2
Argentina	2.80	Yes	Yes	Yes	29.9
Australia	8.60	Yes	Yes	No	17.3
Austria	7.80	No	No	No	17.5
Bangladesh	1.20	Yes	Yes	No	21.3
Belgium	7.10	No	No	No	18.0
Bolivia	2.20	Yes	Yes	Yes	
Botswana	6.40	No	No	Yes	20.1
Brazil	4.00	Yes	Yes	Yes	35.6
Bulgaria	4.00	No	No	No	17.6
Cameroon	2.20	Yes	Yes	Yes	42.1
Canada	9.00	No	No	No	11.2
Chile	7.50	Yes	Yes	Yes	13.2
China	3.50	Yes	Yes	Yes	27.2
Colombia	3.60	Yes	Yes	Yes	64.5
Costa Rica	4.50	Yes	Yes	No	53.6
Cote d'Ivoire	2.70	Yes	Yes	No	32.2
Denmark	9.50	No	No	No	16.7
Dominican Republic	3.50	Yes	Yes	No	10.5
Ecuador	2.20	Yes	Yes	Yes	73.7
Egypt	3.40	No	No	No	8.0
El Salvador	3.40	Yes	Yes	No	32.2
Ethiopia	3.50	No	Yes	Yes	27.2
Finland	9.70	No	No	No	13.1
France	6.30	Yes	No	No	13.3

Germany	7.30	No	No	No	13.0
Ghana	3.90	Yes	Yes	No	34.4
Greece	4.20	Yes	No	No	18.3
Guatemala	2.50	Yes	Yes	No	39.0
Haiti	2.20	Yes	Yes	No	6.1
Honduras	2.70	Yes	Yes	No	32.5
Hong Kong	8.20	No	No	No	
Hungary	4.90	No	No	No	16.5
Iceland	9.40	No	No	No	5.6
India	2.70	Yes	Yes	Yes	29.9
Indonesia	1.90	Yes	Yes	Yes	54.2
Ireland	6.90	No	No	No	10.3
Israel	7.30	Yes	No	No	24.7
Italy	5.20	Yes	No	No	13.9
Jamaica	4.00	Yes	Yes	No	13.4
Japan	7.10	No	Yes	No	17.7
Jordan	4.50	No	No	No	12.3
Kenya	1.90	Yes	Yes	Yes	43.9
Luxembourg	9.00	No	No	No	
Madagascar	1.70	Yes	Yes	Yes	12.4
Malawi	2.90	No	Yes	Yes	40.9
Malaysia	4.90	No	Yes	No	33.8
Mexico	3.60	Yes	Yes	Yes	34.0
Morocco	3.70	Yes	No	No	12.2
Namibia	5.70	Yes	Yes	Yes	23.9
Netherlands	9.00	No	No	No	18.1
New Zealand	9.50	Yes	Yes	No	7.0
Nicaragua	2.50	Yes	Yes	No	36.5
Nigeria	1.60	Yes	Yes	No	30.9
Norway	8.50	No	No	No	12.6
Pakistan	2.60	No	Yes	Yes	17.8
Panama	3.00	Yes	Yes	No	57.5
Paraguay	1.70	Yes	Yes	Yes	34.3

Peru	4.00	Yes	Yes	Yes	59.5
Philippines	2.60	Yes	Yes	No	15.2
Poland	4.00	No	No	No	13.2
Portugal	6.30	No	Yes	No	15.5
Romania	2.60	No	No	No	15.1
Russia	2.70	Yes	Yes	Yes	14.0
Senegal	3.10	No	No	No	27.5
Singapore	9.30	Yes	No	No	40.9
South Africa	4.80	Yes	Yes	No	25.6
South Korea	4.50	No	No	No	9.1
Spain	7.10	Yes	Yes	No	13.5
Sri Lanka	3.70	Yes	Yes	No	21.2
Sweden	9.30	No	No	No	12.2
Switzerland	8.50	No	No	No	19.0
Taiwan	5.60	No	Yes	No	
Tanzania	2.70	Yes	Yes	No	37.3
Thailand	3.20	Yes	No	No	33.0
Trinidad & Tobago	4.90	No	No	No	42.5
Tunisia	4.80	No	No	No	12.5
Turkey	3.20	Yes	Yes	No	14.1
Uganda	2.10	No	Yes	Yes	55.3
United Kingdom	8.70	No	No	No	12.6
United States	7.70	Yes	Yes	Yes	19.7
Uruguay	5.10	Yes	Yes	Yes	15.6
Venezuela	2.50	Yes	Yes	Yes	54.3
Vietnam	2.40	Yes	Yes	Yes	31.3
Zambia	2.60	No	Yes	Yes	28.5
Zimbabwe	2.70	No	Yes	Yes	32.2
