

Vulture dominance in a scavenger assemblage in the neotropical dry forest

Paul Monar-Barragán^{1,2*}, Félix Hernán Vargas², Rubén Pineida¹, Andy Salazar¹, Emilio Virgos³, Fabricio Narváez¹, Sebastián Kohn¹, Juan de Dios Morales⁴, Juan Sebastián Restrepo-Cardona^{1,5}

¹Fundación Cóndor Andino Ecuador, Quito-Pichincha, Ecuador. ²The Peregrine Fund-Neotropical Program, Santa Cruz-Galápagos, Ecuador. ³Rey Juan Carlos University, Móstoles-Madrid, Spain. ⁴The Wild GYE Initiative, Guayaquil-Guayas, Ecuador. ⁵Department of Wildlife Ecology and Conservation, University of Florida, Gainesville-FL, US

*Email: pmonar@fundacioncondor.org

Supplementary Table 1. Mean values and range of variables of the scavenger community and carcass consumption in the tropical dry forest of Ecuador.

Variables	Total (n= 62)		Medium-sized Carcass (n=31)		Small-sized Carcass (n=31)	
	Mean ± SD	Range	Mean ± SD	Range	Mean ± SD	Range
Total species richness	2.63±0.94	1-5	3.03±0.83	2-5	2.23±0.88	1-5
Vulture species richness	2.21±0.89	0-3	2.74±0.44	23	1.68±0.91	0-3
Mammal species richness	0.42±0.71	0-3	0.29±0.59	0-2	0.54±0.81	0-3
Vulture abundance	15.66±11.15	0-51	22.09±10.73	8-51	9.23±7.21	0-23
Mammal abundance	0.56±0.98	0-4	0.38±0.80	0-3	0.74±1.12	0-4
<i>Coragyps atratus</i> abundance	10.48±9.75	0-49	15.06±10.47	1-49	5.90±6.34	0-22
<i>Cathartes aura</i> abundance	3.35±2.14	0-9	3.96±1.96	1-9	2.74±2.16	0-8
<i>Sarcoramphus papa</i> abundance	1.82±2.85	0-11	3.06±2.85	0-11	0.58±1.59	0-8
<i>Leopardus pardalis</i> abundance	0.34±0.62	0-2	0.25±0.57	0-2	0.42±0.67	0-2
<i>Eira barbara</i> abundance	0.15±0.44	0-2	0.06±0.25	0-1	0.22±0.56	0-2
<i>Procyon crancrivorus</i> abundance	0.01±0.12	0-1	0	0	0.03±0.18	0-1
<i>Canis lupus familiaris</i> abundance	0.06±0.36	0-2	0.06±0.36	0-2	0.06±0.36	0-2
Canopy cover (%)	52.18±27.26	10-90	52.58±28.69	10-90	51.77±26.22	10-85
Detection time (h)	20.16±18.99	1.03-108.63	15.25±10.78	1.15-40.93	25.07±23.82	1.03-108.63
Consumption time (h)	47.64±31.73	3,73-149,13	40.87±21.37	6,38-92,63	54.40±38.67	3,73-149,13
Feeding time (h)	27.47±29.10	0.05-136.73	25.61±16.91	2.68-63.37	29.33±37.80	0.05-136.73
Consumption rate (kg/h)	0.47±0.75	0.02-5.36	0.86±0.91	0.13-5.36	0.08±0.11	0.02-5.36