

Appendix i: The resource and landscape variables used in backward stepwise regression model development (n=120). Continuous variables are listed with their minimum, maximum, and mean values, along with the standard error. Categorical variables are presented in binary form with the number of *T. stans* in each category indicated.

<b><i>Continuous variables</i></b>	<b><i>Description</i></b>	<b>Min</b>	<b>Max</b>	<b>Mean</b>	<b>Std. Error</b>
D RIP	distance to the nearest riparian area, measured in metres	39.753	535.901	235.340	12.523
D WUI	distance to the wildland-urban interface, measured in metres	0.535	830.858	261.350	18.271
HEIGHT	height of the resource, measured in metres to the nearest 0.25 m	0.000	6.000	2.670	0.113
FLW	the total number of flowers that a resource possessed, estimated through a sub sample of the canopy	2.000	1200.000	148.178	15.979
CON-SP 10	the number of other <i>T. stans</i> within a 10 m radius	0.000	9.000	1.680	0.180
CON-SP 50	the number of other <i>T. stans</i> within a 10 m radius	0.000	11.000	4.100	0.295
CON-SP 100	the number of other <i>T. stans</i> within a 10 m radius	0.000	19.000	6.130	0.403
<b><i>Categorical variables</i></b>	<b><i>Description</i></b>	<b>no. of cases</b>		<b>no. of cases</b>	
OPEN SPACE	the presence of open or green space adjacent to the <i>T. stans</i> resource	no=0	98	yes=1	22
LAND USE	the dominant land use at the site	commercial (com)=0	32	residential (res)=1	88
SHRUB	lower growing <i>T. stans</i> individuals without a trunk	no=0	86	yes=1	34
HEDGE	taller <i>T. stans</i> individuals with foliage extending the length of the form	no=0	97	yes=1	23
TREE	taller <i>T. stans</i> individuals with an obvious trunk	no=0	57	yes=1	63

Appendix ii: The backward stepwise regression models describing bee visitor abundance and taxon richness at *T. stans* resources and across all of the cities (n=120) and at each individual study site; Bagaces (n=27), Cañas (n=35), and Liberia (n=58). Variable abbreviations are as follows: FLW=total flowers, CON-SP 10=the number of other *T. stans* within a 10 metre radius of the sampled resource, RES=residential land use, OPEN=proximity to open space, D WUI=distance to the wildland-urban interface, and D RIP=distance to riparian areas. The life form of the resource is indicated as a TREE, SHRUB, or HEDGE.

Regression Model		no. para.	$df_1$	$df_2$	F	p	R <sup>2</sup>	Adj. R <sup>2</sup>
<b><i>Abundance</i></b>								
All cities	$y = 2.129 + 0.006(\text{FLW}) + 0.265(\text{CON-SP 10})$	3	2	118	15.959	0.000	0.213	0.200
Bagaces	$y = 0.044 + 0.008(\text{FLW}) + 2.643(\text{RES})$	2	2	24	7.189	0.004	0.375	0.323
Cañas	$y = 0.856 + 0.009(\text{FLW}) + 1.288(\text{OPEN}) + 0.006(\text{D WUI})$	3	3	31	10.521	0.000	0.504	0.457
Liberia	$y = 2.111 + 0.006(\text{FLW}) - 1.922(\text{OPEN}) + 1.52(\text{SHRUB})$	4	3	55	6.169	0.001	0.252	0.211
<b><i>Richness</i></b>								
All cities	$y = 1.041 + 0.002(\text{FLW})$	2	1	119	47.892	0.000	0.287	0.281
Bagaces	$y = 0.883 + 0.003(\text{FLW}) + 0.898(\text{RES}) - 0.003(\text{D WUI}) - 0.235(\text{CON-SP 10}) - 0.478(\text{SHRUB})$	6	5	21	8.765	0.000	0.676	0.599
Cañas	$y = 1.100 + 0.002(\text{FLW})$	2	1	33	13.226	0.001	0.286	0.264
Liberia	$y = 1.107 + 0.002(\text{FLW})$	2	1	52	20.117	0.008	0.261	0.248

Appendix iii: The backward stepwise regression models describing the occurrence individual guilds at *T. stans* resources and across all of the cities (n=120) and at each individual study site; Bagaces (n=27), Cañas (n=35), and Liberia (n=58). Variable abbreviations are as follows: FLW=total flowers, CON-SP 10=the number of other *T. stans* within a 10 metre radius of the sampled resource, RES=residential land use, OPEN=proximity to open space, D WUI=distance to the wildland-urban interface, and D RIP=distance to riparian areas. The life form of the resource is indicated as a TREE, SHRUB, or HEDGE.

Regression Model		no. para.	$df_1$	$df_2$	F	p	R <sup>2</sup>	Adj. R <sup>2</sup>
<b><i>Solitary bees</i></b>								
All cities	$y = 2.047 + 0.004(\text{FLW})$	1	1	119	17.042	0.000	0.125	0.118
Bagaces	$y = 0.036 + 0.005(\text{FLW}) + 2.364(\text{RES})$	2	2	24	6.825	0.005	0.363	0.309
Cañas	$y = 0.294 + 0.009(\text{FLW}) + 1.061(\text{TREE}) + 0.008(\text{D WUI})$	3	3	31	17.410	0.000	0.628	0.591
Liberia	$y = 1.767 + 0.004(\text{FLW}) - 1.714(\text{OPEN}) + 1.497(\text{SHRUB})$	4	3	55	4.180	0.010	0.186	0.141
<b><i>Large bees</i></b>								
All cities	$y = 1.129 + 0.003(\text{FLW}) + 0.170(\text{CON-SP 10})$	3	2	118	9.003	0.000	0.132	0.118
Bagaces	$y = 0.703 + 0.005(\text{FLW}) + 2.095(\text{RES}) - 0.007(\text{D RIP})$	3	2	23	7.464	0.001	0.493	0.427
Cañas	$y = -0.669 + 0.005(\text{FLW}) + 1.053(\text{TREE}) + 0.009(\text{D WUI})$	3	3	31	13.168	0.000	0.560	0.518
Liberia	$y = 1.386 + 0.002(\text{FLW})$	1	2	56	5.255	0.008	0.163	0.132
<b><i>Small bees</i></b>								
All cities	$y = 0.433 + 0.002(\text{FLW}) - 0.606(\text{OPEN}) + 0.632(\text{SHRUB})$	3	3	116	5.825	0.001	0.120	0.108
Bagaces	$y = 0.006 + 0.005(\text{D RIP})$	1	1	25	10.314	0.004	0.292	0.264
Cañas	$y = 0.535 + 0.002(\text{FLW}) - 0.188(\text{HEIGHT})$	2	1	32	9.113	0.001	0.363	0.323
Liberia	$y = 0.654 + 0.923(\text{SHRUB})$	1	1	57	9.802	0.003	0.144	0.129
<b><i>Eusocial Bees</i></b>								
All cities	$y = 0.296 + 0.002(\text{FLW}) + 0.087(\text{CON-SP 10})$	2	2	118	19.768	0.000	0.251	0.238
Bagaces	$y = 0.027 + 0.003(\text{FLW}) + 0.447(\text{HEDGE})$	2	3	24	8.837	0.001	0.424	0.376
Cañas	$y = 0.481 + 0.003(\text{FLW}) + 0.091(\text{CON-SP 10})$	2	2	32	4.630	0.017	0.224	0.176
Liberia	$y = 0.046 + 0.002(\text{FLW}) + 0.001(\text{D WUI})$	2	2	56	16.592	0.000	0.372	0.350
<b><i>Native</i></b>								
All cities	$y = 0.253 + 0.001(\text{FLW}) + 0.103(\text{CON-SP 10})$	2	2	118	9.647	0.000	0.141	0.126
Bagaces	$y = 0.140 + 0.008(\text{FLW})$	1	1	25	5.504	0.027	0.180	0.148
Cañas	$y = 0.581 + 0.770(\text{HEDGE}) + 0.789(\text{OPEN})$	2	3	32	5.566	0.008	0.258	0.212
Liberia	$y = 0.516 + 0.001(\text{FLW}) - 0.307(\text{RES})$	2	2	56	4.151	0.021	0.129	0.098
<b><i>Non-native</i></b>								
All cities	$y = -0.226 + 0.001(\text{FLW}) + 0.146(\text{RES}) + 0.001(\text{D WUI})$	3	3	117	22.456	0.000	0.365	0.349
Bagaces	$y = -0.149 + 0.001(\text{FLW}) + 0.001(\text{D RIP})$	2	2	24	11.059	0.000	0.480	0.436
Cañas	$y = 0.001 + 0.011(\text{FLW})$	2	1	33	3.326	0.077	0.092	0.069
Liberia	$y = -0.233 + 0.001(\text{FLW}) + 0.001(\text{D WUI}) + 0.227(\text{RES}) - 0.089(\text{CON-SP 10})$	4	4	54	20.971	0.000	0.608	0.579