

Supplementary

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Table S1. Demographic characteristics of the sample.

Attribute	Features	Haizhu Lake Park		Zhujiang Park		Yunxi Ecological Park		Total	
		Num-ber of people	propor-tion (%)	Num-ber of people	propor-tion (%)	Num-ber of people	propor-tion (%)	Num-ber of people	propor-tion (%)
Gender	Man	112	53.6	95	50.5	76	52.4	283	52.2
	Women	97	46.4	93	49.5	69	47.6	259	47.8
Profession	Staff of Party and government organs, enterprises and institutions	11	5.3	12	6.4	11	7.6	34	6.3%
	Professional technical personnel	23	11.0	27	14.4	8	5.5	58	10.7%
	Business, Service industry	30	14.4	29	15.4	20	13.8	79	14.6%
	Soldier	0	0	4	2.1	1	0.7	5	0.9%
	Worker	14	6.7	1	0.5	4	2.8	19	3.5%
	Student	32	15.3	17	9.0	13	9.0	62	11.4%
	Peasant	2	1.0	4	2.1	0	0	6	1.1%
	Freelancer	53	25.4	46	24.5	24	16.6	123	22.7%
	inoccupation	4	1.9	7	3.7	9	6.2	20	3.7%
	Retirement	16	7.7	12	6.4	44	30.3	72	13.3%
	Other	24	11.5	29	15.4	11	7.6	64	11.8%
Educational level	Junior high school and below	53	25.4	17	9.0	24	16.6	94	17.3
	high school	56	26.8	32	17.0	37	25.5	125	23.1
	Technical secondary and junior college	38	18.2	54	28.7	47	32.4	139	25.6
	Undergraduate course	50	23.9	69	36.7	34	23.4	153	28.2
	Postgraduate and above	12	5.7	16	8.5	3	2.1	31	5.7
The fre-	3-4 times a	49	23.4	72	38.3	67	46.2	188	34.7

quency of park visita- tions	week								
	1-2 times a week	50	23.9	65	34.6	34	23.4	149	27.5
	Once or twice a month	63	30.1	30	16.0	29	20.0	122	22.5
	Every few months or less	47	22.5	21	11.2	15	10.3	83	15.3
The dura- tion of park visitation	Within 2 hours	105	50.2	115	61.2	47	32.4	267	49.3
	2-4 hours	94	45.0	72	38.3	83	57.2	249	45.9
	4-8 hours	10	4.8	1	0.5	12	8.3	23	4.2
	More than 8 hours	0	0	0	0	3	2.1	3	0.6
The dura- tion of your stay in Guang- zhou.	tourist	28	13.4	8	4.3	6	4.1	42	7.7
	New citizen	10	4.8	7	3.7	2	1.4	19	3.6
	Senior citizen	171	81.8	173	92.0	137	94.5	481	88.7
Annual household income	Less than 60,000 yuan	38	21.1	32	19.4	30	27.8	100	22.1
	60,000 to 100,000 yuan	71	39.4	29	17.6	24	22.2	124	27.4
	100,000 to 140,000 yuan	33	18.3	28	17.0	18	16.7	79	17.4
	140,000 to 190,000 yuan	17	9.4	18	10.9	11	10.2	46	10.2
	190,000 to 300,000 yuan	13	7.2	24	14.5	11	10.2	48	10.6
	More than 300,000 yuan	8	4.4	34	20.6	14	13.0	56	12.4
Age	Youth 16-29	102	49.5	60	32.3	30	20.7	192	35.7
	Middle age 30- 49	81	39.3	109	58.6	57	39.3	247	46.0
	Middle-aged and elderly 50-65	21	10.2	14	7.5	47	32.4	82	15.3
	Aged 65 years or older	2	1.0	3	1.6	11	7.6	16	3.0

Table S2. Reliability test.

Index	Haizhu Lake Park		Zhujiang Park		Yunxi Ecological Park	
	Cronbach's Alpha	项数	Cronbach's Alpha	项数	Cronbach's Alpha	项数
Importance	0.890	19	0.892	19	0.894	19
Performance	0.875	19	0.894	19	0.865	19

Table S3. Validity test.

KMO and Bartlett tests		Haizhu Lake Park		Zhujiang Park		Yunxi Ecological Park	
		Importance	Performance	Importance	Performance	Importance	Performance
KMO sample appropriateness measure		0.906	0.883	0.913	0.885	0.907	0.886
Bartlett sphericity test	Approximate Chi-squared value	1951.948	1591.611	1769.167	1641.726	1594.278	1397.277
	Degree of freedom	171	171	171	171	171	171
	significance	0.000	0.000	0.000	0.000	0.000	0.000

Table S4. Paired sample T-test of importance and satisfaction of Haizhu Lake Park.

Landscape service type	Landscape Service Index	Importance (I)		Satisfaction (S)		Difference of means (S-I)	T value	P value
		Mean value	Standard deviation	Mean value	Standard deviation			
Supplying services	Food production	2.69	1.157	2.77	1.334	0.08	-0.887	0.376
	Raw material supply	3.62	0.929	3.87	1.397	0.25	-3.051	0.003
Adjusting service	Air purification	4.23	0.669	4.75	0.780	0.52	-9.960	0.000
	Microclimate regulation	4.15	0.645	4.73	0.707	0.58	-11.151	0.000
	Rainwater storage	3.94	0.830	4.34	1.118	0.40	-5.729	0.000
	Waste disposal	3.72	0.935	3.88	1.397	0.16	-2.264	0.025
	Disaster adjustment	3.72	0.977	4.02	1.349	0.30	-3.990	0.000
	Noise mitigation	4.14	0.657	4.62	0.768	0.48	-8.878	0.000
Habitat Services	biodiversity	3.86	0.885	4.42	0.902	0.56	-8.629	0.000
	nutrient cycling	4.03	0.749	4.55	0.900	0.52	-9.202	0.000
Cultural Services	Inspiration	4.07	0.775	4.66	0.810	0.59	-10.801	0.000
	Educational value	3.60	0.986	3.90	1.353	0.30	-3.599	0.000
	Recreation and	4.00	0.806	4.49	0.941	0.49	-7.887	0.000

	entertainment							
	Physical and mental health	4.23	0.685	4.79	0.581	0.56	-12.402	0.000
	Cultural preservation	3.33	1.098	3.41	1.463	0.08	-1.616	0.108
	spiritual value	2.23	1.104	2.50	1.342	0.27	-3.986	0.000
	Social interaction	3.77	0.858	4.47	1.032	0.70	-12.072	0.000
	Sense of belonging	3.68	0.866	4.13	1.133	0.45	-6.955	0.000
	Safety	4.32	0.685	4.22	1.160	-0.10	-6.001	0.000

Table S5. Paired sample T-test of importance and satisfaction in Zhujiang Park.

Landscape service type	Landscape Service Index	Importance (I)		Satisfaction (S)		Difference of means (S-I)	T value	P value
		Mean value	Standard deviation	Mean value	Standard deviation			
Supplying services	Food production	2.60	1.204	2.80	1.261	0.20	-2.495	0.013
	Raw material supply	3.57	1.013	3.72	1.388	0.15	-2.188	0.030
Adjusting service	Air purification	4.33	0.583	4.73	0.646	0.40	-9.663	0.000
	Microclimate regulation	4.25	0.634	4.81	0.397	0.56	-15.021	0.000
	Rainwater storage	3.93	0.862	4.29	1.127	0.36	-6.840	0.000
	Waste disposal	3.76	1.045	3.94	1.292	0.18	-3.627	0.000
	Disaster adjustment	3.88	0.914	4.14	1.258	0.26	-5.271	0.000
	Noise mitigation	4.21	0.692	4.73	0.546	0.52	-11.425	0.000
Habitat Services	biodiversity	4.01	0.834	4.50	0.847	0.49	-8.065	0.000
	nutrient cycling	4.20	0.703	4.65	0.818	0.45	-7.930	0.000
Cultural Services	Inspiration	4.22	0.632	4.72	0.625	0.50	-11.637	0.000
	Educational value	3.67	0.947	4.20	1.017	0.53	-8.237	0.000
	Recreation and entertainment	4.27	0.649	4.65	0.827	0.38	-8.499	0.000
	Physical and mental health	4.31	0.603	4.86	0.466	0.55	-16.945	0.000
	Cultural preservation	3.17	1.086	3.19	1.432	0.02	-0.843	0.401
	spiritual value	2.08	1.132	2.42	1.219	0.34	-4.682	0.000
	Social interaction	3.93	0.798	4.55	0.864	0.62	-11.300	0.000

	Sense of belonging	3.94	0.775	4.51	0.831	0.57	-13.046	0.000
	Safety	4.38	0.656	4.71	0.603	0.33	-7.349	0.000

Table S6. Paired sample T-test of importance and satisfaction of Yunxi Ecological Park.

Landscape service type	Landscape Service Index	Importance (I)		Satisfaction (S)		Difference of means (S-I)	T value	P value
		Mean value	Standard deviation	Mean value	Standard deviation			
Supplying services	Food production	2.90	1.282	2.84	1.301	-0.06	-0.422	0.673
	Raw material supply	3.67	1.061	3.61	1.534	-0.06	-0.711	0.478
Adjusting service	Air purification	4.39	0.616	4.80	0.401	0.41	-10.843	0.000
	Microclimate regulation	4.30	0.625	4.85	0.362	0.55	-13.871	0.000
	Rainwater storage	3.99	0.862	4.29	1.194	0.30	-6.840	0.000
	Waste disposal	3.92	0.983	4.06	1.398	0.14	-2.193	0.030
	Disaster adjustment	3.87	0.922	4.06	1.404	0.19	-3.236	0.002
	Noise mitigation	4.28	0.661	4.81	0.456	0.53	-11.245	0.000
Habitat Services	biodiversity	4.10	0.797	4.66	0.699	0.56	-10.267	0.000
	nutrient cycling	4.25	0.732	4.54	1.001	0.29	-5.532	0.000
Cultural Services	Inspiration	4.14	0.697	4.78	0.440	0.64	-15.911	0.000
	Educational value	3.65	1.024	3.90	1.192	0.25	-3.396	0.001
	Recreation and entertainment	4.15	0.691	4.67	0.585	0.52	-9.350	0.000
	Physical and mental health	4.33	0.667	4.78	0.551	0.45	-9.255	0.000
	Cultural preservation	3.21	1.209	2.84	1.509	-0.37	1.435	0.154
	spiritual value	2.23	1.206	2.27	1.246	0.04	-1.992	0.048
	Social interaction	4.05	0.776	4.71	0.560	0.66	-10.945	0.000
	Sense of belonging	4.08	0.826	4.62	0.654	0.54	-10.265	0.000
	Safety	4.48	0.636	4.83	0.379	0.35	-9.513	0.000