

Land Economics 102 (2), May 2026

“Economic Benefits of Nature-Based Solutions for Climate Risk: A Meta-analysis”

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APPENDIX A: Table of papers included in the meta-analysis

Study ID	Author	Year of publication	Title	Sample size
1	Robinson et al.	2022	Understanding the determinants of biodiversity non-use values in the context of climate change: Stated preferences for the Hawaiian coral reef	1,369
2	Netusil et al.	2022	Valuing the public benefits of green roofs	6,172
3	Ando et al.	2020	Willingness-to-volunteer and stability of preferences between cities: Estimating the benefits of stormwater management	685
4	Acharya R.P., Maraseni T.N., Cockfield G.	2021	Estimating the willingness to pay for regulating and cultural ecosystem services from forested Siwalik landscapes: perspectives of disaggregated users	241
5	Torres et al.	2017	Framing Decisions in Uncertain Scenarios: An Analysis of Tourist Preferences in the Face of Global Warming	407
6	Chau and Chung	2010	A choice experiment to estimate the effect of green experience on preferences and willingness-to-pay for green building attributes	480
7	Koetse, Verhoef, Brander	2017	A generic marginal value function for natural areas	1360
8	Collins, Schaafsma, Hudson	2017	The value of green walls to urban biodiversity	127
9	Hampson et al.	2017	River Water Quality: Who Cares, How Much and Why?	200
10	Hagedoorn L.C., Koetse M.J., van Beukering P.J.H.	2021	Estimating Benefits of Nature-based Solutions: Diverging Values From Choice Experiments With Time or Money Payments	480
11	Acong	2016	Measuring Households' Willingness to Pay for Water Quality Restoration of a Natural Urban Lake in the Philippines	341
12	Che, Yang and Jiang	2012	Assessing Local Communities' Willingness to Pay for River Network Protection: A Contingent Valuation Study of Shanghai, China	531
13	Chen and Jim	2011	Contingent valuation of ecotourism development in country parks in the urban shadow	613
14	Chen, Aertsen, Liekens, Broekx and De Nocker	2014	What are we missing? Economic value of an urban forest in Ghana	300

15	Chui and Ngai	2016	Willingness to pay for sustainable drainage systems in a highly urbanised city: a contingent valuation study in Hong Kong	600
16	Dare, Ayinde and Shittu	2015	Urban trees forest management in Abeokuta Metropolis, Ogun State, Nigeria	670
17	Dumenu	2013	What are we missing? Economic value of an urban forest in Ghana	200
18	Giergiczny and Kronenberg	2014	From Valuation to Governance: Using Choice Experiment to Value Street Trees	351
19	Sarvilinna, Lehtoranta and Hjerppe	2013	Is Urban Stream Restoration Worth It?	228
20	Kim, Ahn and Kim	2016	Metropolitan Residents' Preferences and Willingness to Pay for a Life Zone Forest for Mitigating Heat Island Effects during Summer Season in Korea	448
21	Kim, Kim and Doh	2015	Metropolitan Residents' Preferences and Willingness to Pay for a Life Zone Forest for Mitigating Heat Island Effects during Summer Season in Korea	984
22	Lantz, Boxall, Kennedy and Wilson	2013	The valuation of wetland conservation in an urban/peri urban watershed	1407 / 1088
23	Latinopoulos, Mallios and Latinopoulos	2016	Valuing the benefits of an urban park project: A contingent valuation study in Thessaloniki, Greece	600
27	Lo and Jim	2010	Willingness of Residents to Pay and Motives for Conservation of Urban Green Spaces in the Compact City of Hong Kong	495
28	Machado, Silva, Dupas, Mattedi and Vergara	2014	Economic assessment of urban watersheds: developing mechanisms for environmental protection of the Feijão river, São Carlos	280
29	Majumdar, Deng, Zhang and Pierskalla	2011	Using contingent valuation to estimate the willingness of tourists to pay for urban forests: A study in Savannah, Georgia	640
30	Mell, Henneberry, Hehl-Lange and Keskin	2013	Promoting urban greening: Valuing the development of green infrastructure investments in the urban core of Manchester, UK	512
31	Mueller	2013	Estimating willingness to pay for watershed restoration in Flagstaff, Arizona using dichotomous-choice contingent valuation	120

32	Shamsudin, Ghani, Radam, Kaffashi, Rahim and Hassin	2012	Willingness to Pay for Watershed Conservation at Hulu Langat, Selangor	500
33	Tao, Yan and Zhan	2012	Economic Valuation of Forest Ecosystem Services in Heshui Watershed using Contingent Valuation Method	170
34	Tu, Abildtrup and Garcia	2016	Preferences for urban green spaces and peri-urban forests: An analysis of stated residential choices	180
37	Londoño Cadavid C., Ando A.W.	2013	Valuing preferences over stormwater management outcomes including improved hydrologic function	131
38	Stefanski S.F., Shimshack J.P.	2016	Valuing Marine Biodiversity in the Gulf of Mexico: Evidence from the Proposed Boundary Expansion of the Flower Garden Banks National Marine Sanctuary	1526
39	Dallimer M., Martin-Ortega J., Rendon O., Afionis S., Bark R., Gordon I.J., Paavola J.	2019	Urban-rural divides in preferences for wetland conservation in Malaysia	403
40	Aguilar F.X., Obeng E.A., Cai Z.	2018	Water quality improvements elicit consistent willingness-to-pay for the enhancement of forested watershed ecosystem services	1,002
41	Petrolia D.R., Interis M.G., Hwang J.	2014	America's wetland? A national survey of willingness to pay for restoration of Louisiana's coastal wetlands	3,464
42	Omori Y.	2021	Preference Heterogeneity of Coastal Gray, Green, and Hybrid Infrastructure against Sea-Level Rise: A Choice Experiment Application in Japan	840
45	Viti et al.	2023	Holistic valuation of Nature-Based Solutions accounting for human perceptions and nature benefits	607
46	Herivaux & Le Coent	2020	Preferences for nature-based solutions aiming at reducing flood risks. Results of a Discrete Choice Experiment in the Lez catchment (France)	400
47	Ureta	2021	Valuing stakeholder preferences for environmental benefits of stormwater ponds: Evidence from choice experiment	1159
48	Uggeldahl et al.	2019	Public preferences for co-benefits of riparian buffer strips in Denmark: An economic valuation study	1471

49	Shoyama et al.	2013	Public preferences for biodiversity conservation and climate-change mitigation: A choice experiment using ecosystem services indicators	3848
50	Bockarjova et al.	2023	Citizens' preferences and valuation of urban nature: Insights from two choice experiments	1973
51	Turkelboom et al.	2021	How does a nature-based solution for flood control compare to a technical solution? Case study evidence from Belgium	332
52	Owuor, et al.	2019	Valuing mangrove biodiversity and ecosystem services: A deliberative choice experiment in Mida Creek, Kenya	300
53	Lara-Pulido et al.	2021	A Business Case for Marine Protected Areas: Economic Valuation of the Reef Attributes of Cozumel Island	740
54	Duijndam et al.	2020	Valuing a Caribbean coastal lagoon using the choice experiment method: The case of the Simpson Bay Lagoon, Saint Martin	219
55	Maximilian Nawrath, Kathinka Fürst, Michael Hutchins, Isabel Seifert-Dähnn	2023	Milder, wilder, drier: Understanding preferences for urban nature-based solutions in China	517
56	Robinson et al.	2023	The Intangible Economic Value of Nature Landscape and Biodiversity Restoration	1530
57	Jarvie et al.	2012	Valuing multiple benefits, and the public perception of SUDS ponds	238
58	Tran et al.	2017	Atlanta households' willingness to increase urban forests to mitigate climate change	470
59	Zhi Ying	2020	Beijing resident's preferences of ecosystem services of urban forests	560
60	Davies et al.	2023	Willingness-to-pay for urban ecosystem services provision under objective and subjective uncertainty	362
61	Vechiato & Tempesta	2023	Valuing the benefits of an afforestation project in a peri-urban area with choice experiments	830