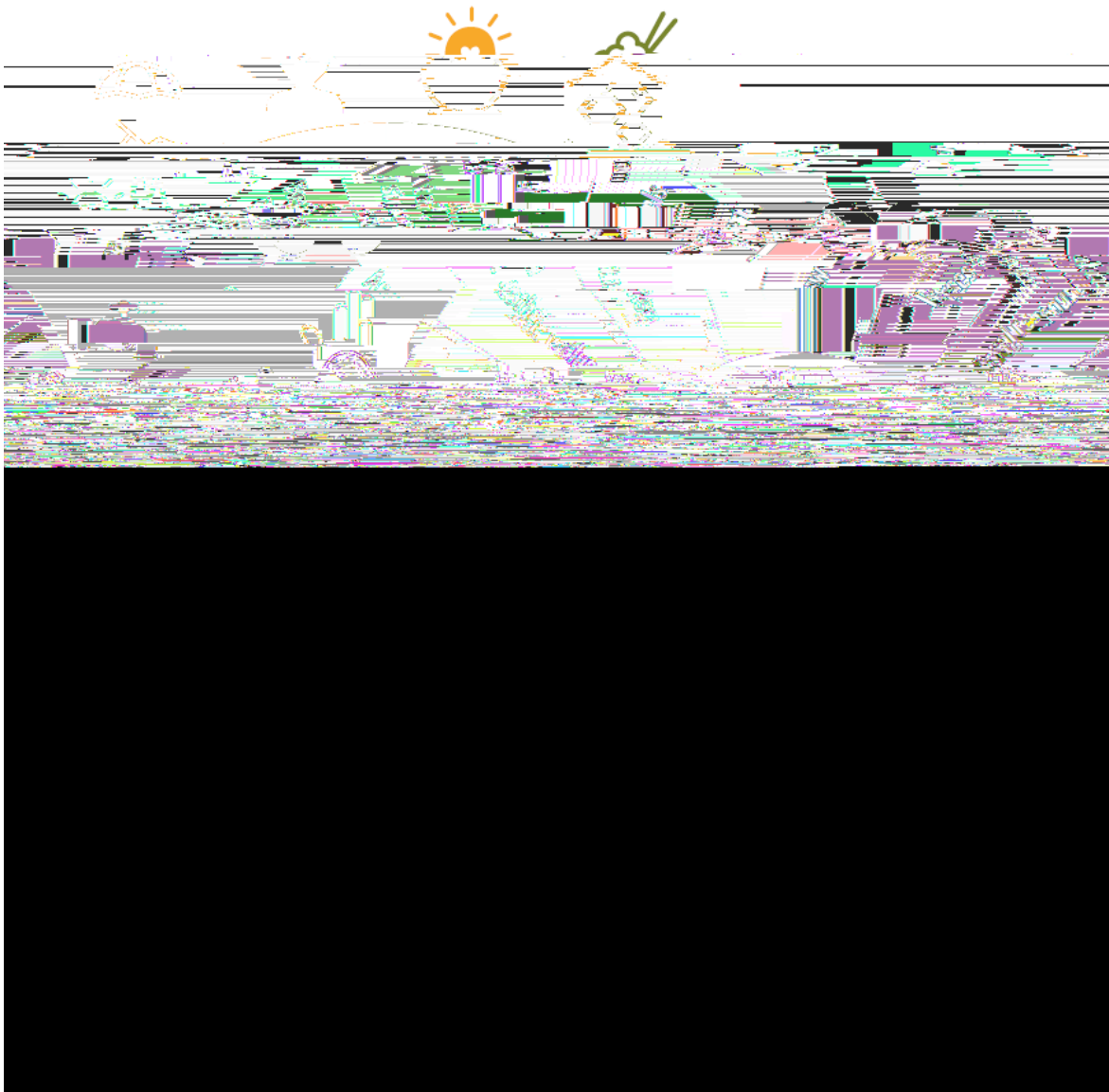


Author calculation





Author based on data provided by Birmingham City Council, Natural England, the Forestry Commission and EcoRecord

2.1 *Property Value Uplift*

Adapted from Pretty et al. (2011, p. 1157)

Author calculation.

2.3.3 *Air Quality Regulation*

Physical Accounts			
		Annually	Over 25 years
Tonnes of pollutants captured (dry deposition of pollutants)			
...Fine particles (PM2.5)		7	169
...Sulfur dioxide (SO2)		38	938
...Nitrogen dioxide (NO2)		62	1,557
...Ozone (O3)		220	5,502
...Fine particles (PM10)		10	251
...Anhydrous ammonia (NH3)		18	440
Avoided hospital admissions (respiratory & cardiovascular)		133	3,334
Avoided life years lost		489	12,218
Avoided deaths		28	708
Monetary Accounts			
Annual Natural Capital Value		High	Low
Fine particles (PM2.5)	£12,342,000	£14,810,000	£9,873,000
Sulfur dioxide (SO2)	£16,000	£20,000	£13,000
Nitrogen dioxide (NO2)	£1,432,000	£1,719,000	£1,146,000
Ozone (O3)	£667,000	£800,000	£534,000
Total	£14,457,000	£17,349,000	£11,566,000
Capitalised Natural Capital Value		High	Low
Fine particles (PM2.5)	£259,547,000	£329,421,000	£207,638,000
Sulfur dioxide (SO2)	£344,000	£437,000	£276,000
Nitrogen dioxide (NO2)	£30,120,000	£38,228,000	£24,096,000
Ozone (O3)	£14,028,000	£17,805,000	£11,222,000
Total	£304,039,000	£385,891,000	£243,231,000
Present value, 2018 prices; capitalised central value discounted at 1.5% over 25 years (quality of life benefits).			

Author calculation based on Jones et al. (2017) and

2.4 Recreation



Author calculation.

2.6 *Food Production from Allotments*

Author calculation.

2.7 Biodiversity (Non-use Benefits Only)

2.9 *Aggregation of Asset Values*

<i>Capitalised/stock values stated in £billions; 2018 prices; central estimates</i>				Individual value			
				Total Natural Capital Value	Health Benefits	Direct & Indirect Council Income	Conventional Accounts
Food production from allotments	S	£7.18	66%	£4.75			
	F	£0.48	100%	£0.48		£0.48	
	F	£4.06	100%	£4.06	£4.06		
	F	£0.20	100%	£0.20	£0.20		
	F	£0.30	100%	£0.30	£0.30		
	F	£1.65	63%	£1.03			
	S	£0.22	100%	£0.22			
	F	£0.07	100%	£0.07			
	F	£0.04	100%	£0.04			
	F	£0.03	100%	£0.03			
	F	£0.23	100%	£0.23		£0.23	£0.23
	F	-£0.01	100%	-£0.01		-£0.01	-£0.01
				£11.41	£4.56	£0.70	£0.22
		£0.44	100%	£0.44	£0.44	£0.44	£0.44
				£10.97	£4.13	£0.27	-£0.22
				to society	in health benefits	to the Council	as per books
				26.2 : 1	10.5 : 1	1.6 : 1	0.5 : 1

Notes:
S Based on stock value
F

Author calculation

Author calculation



Author calculation

	<i>High Estimate</i>	<i>Low Estimate</i>	<i>High Estimate</i>	<i>Low Estimate</i>	<i>High Estimate</i>	<i>Low Estimate</i>
	£536	£21				
	£54	£2			£54	£2
	£247	£138	£247	£138		
	£13	£7	£13	£7		
	£17	£12	£17	£12		
	£63	£59				
	£19	£6				
	£14	£3				
	£4	£1				
	£2	£1				
	£13	£13			£13	£13
	£0	£0			£0	£0
	£984	£263	£278	£157	£67	£15
	£26	£26	£26	£26	£26	£26
	£959 to society	£238 to society	£253 in health benefits	£132 in health benefits	£42	-£10

Author calculation

