

Framework Plan

NEWCASTLE-UNDER-LYME URBAN

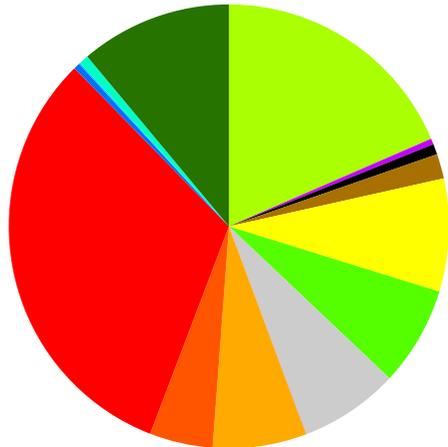


NEWCASTLE-UNDER-LYME URBAN

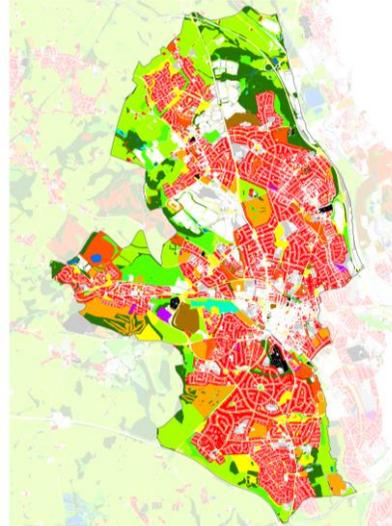
GREEN INFRASTRUCTURE PROVISION

| | Agricultural land | Allotment, community garden or urban farm | Cemetery, churchyard or burial ground | Derelict land | General amenity space | Grassland, heathland, moorland or scrubland | Institutional grounds | Orchard | Outdoor sports facility | Park or public garden | Private domestic garden | Water body | Water course | Wetland | Woodland | Total GI | Total area |
|--------------|-------------------|---|---------------------------------------|---------------|-----------------------|---|-----------------------|---------|-------------------------|-----------------------|-------------------------|------------|--------------|---------|----------|---------------|---------------|
| Area (ha) | 428.3 | 9.9 | 17.7 | 41.5 | 190.0 | 167.4 | 168.6 | 0.4 | 159.1 | 107.1 | 734.7 | 10.5 | 2.4 | 15.9 | 257.1 | 2310.5 | 3224.6 |
| % of area | 13.3% | 0.3% | 0.5% | 1.3% | 5.9% | 5.2% | 5.2% | 0.0% | 4.9% | 3.3% | 22.8% | 0.3% | 0.1% | 0.5% | 8.0% | 71.7% | 100.0% |
| % of area GI | 18.5% | 0.4% | 0.8% | 1.8% | 8.2% | 7.2% | 7.3% | 0.0% | 6.9% | 4.6% | 31.8% | 0.5% | 0.1% | 0.7% | 11.1% | 100.0% | |

Distribution across green infrastructure types

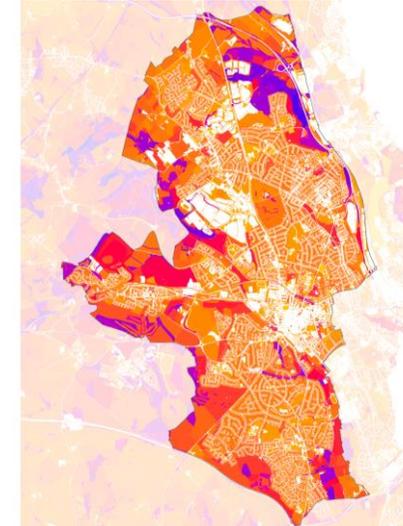


Green infrastructure types map



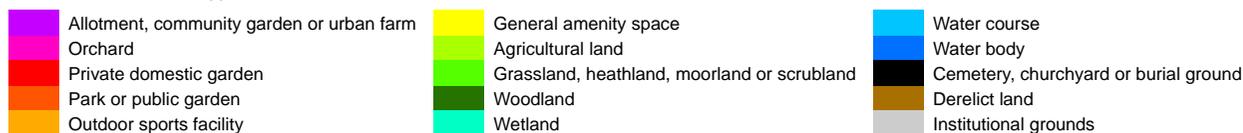
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Green infrastructure multifunctionality map



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Green infrastructure types:



Multifunctionality:



AREA WEIGHTED AVERAGE NUMBER OF FUNCTIONS

6.09

GREEN INFRASTRUCTURE PROVIDING FOR PUBLIC OUTDOOR RECREATION

| | Total natural & semi-natural green space | Accessible natural & semi-natural green space | Allotments | Amenity greenspace | Green corridor | Park | Provision for children & young people |
|-----------|--|---|------------|--------------------|----------------|--------|---------------------------------------|
| Area (ha) | 242.43 | 202.91 | 9.84 | 88.20 | 20.59 | 156.38 | 38.32 |

GREEN INFRASTRUCTURE NEEDS AND DEFICITS: RECREATION

| Is quantity appropriate? ¹ | 2016 PROVISION PER 1,000 POPULATION | SURPLUS (+) OR DEFICIT (-) IN HECTARES |
|---|-------------------------------------|--|
| Total natural & semi-natural green space | 3.23 | -0.37 |
| Accessible natural & semi-natural green space | 2.70 | -0.90 |
| Allotments | 0.13 | -0.02 |
| Amenity greenspace | 1.17 | +0.27 |
| Park | 2.08 | -1.02 |
| Provision for children and young people | 0.51 | +0.10 |

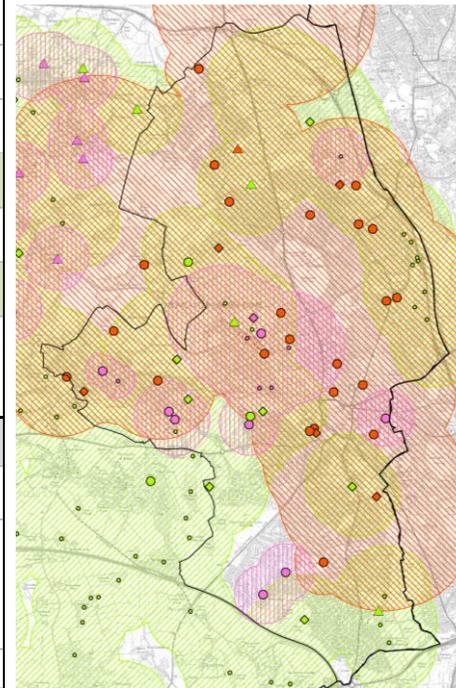
¹ Extent of recommended quantity standard met, Recommended standards per 1,000 population are: 3.60ha for natural & semi-natural green space, 0.15ha for allotments, 0.90ha for amenity greenspace, 3.10ha for parks, 0.41ha for provision for children and young people.

Beyond quantity: key sites requiring qualitative improvements²

| SITE TYPE | SCORE | SITE NUMBER & NAME |
|---|-------|--|
| Natural & semi-natural green space | 62% | 268 – Brick Kiln Lane Open Space |
| | 64% | 213 – Coedbach Open Space |
| | 68% | 91 – Cheviot Close Wood |
| | 71% | 114 – Mill Street Open Space |
| | 74% | 156 – Butts Walk |
| Allotments | ≥80% | |
| Amenity greenspace | 60% | 209 – Cambridge Drive Open Space |
| | 70% | 53 – Merryfields Open Space |
| | 72% | 109 – Open Space |
| | 73% | 101 – Church Lane Open Space |
| | 74% | 125 – Scot Hay Road Open Space |
| Green corridor | 61% | 181 – Guernsey Drive Open Space |
| | 71% | 292 – Silverdale Road Corridor |
| | 74% | 55 – Lyme Brook Open Space |
| | 75% | 105 – Church Lane Open Space |
| | 75% | 123 – Moffatt Way Open Space |
| Park | 66% | 5 – Parkhouse Industrial Estate |
| | 70% | 150 – Lyme Brook |
| | 76% | 255 – Underwood Road Play Area |
| | 77% | 203 – Lyme Valley Parkway |
| | 78% | 19 – Arnold Grove Recreation Ground |
| Provision for children and young people | 72% | 65 – Thomson Avenue Playground |
| | 76% | 98 – Newcastle Enterprise Centre Play Area |
| | 76% | 256 – Underwood Road Play Area |
| | 76% | 313 – Site 5 Wolstanton |
| | 77% | 204 – Lyme Valley Play Areas |

² For each type, the 5 audited sites with the lowest quality score are listed, including only those that achieve less than 80% of the maximum. ≥80% indicates that all audited sites of the type scored at least 80% of the maximum quality score.

Beyond quantity: quality and distribution



Type

- Natural & semi-natural green space
- Allotments
- Amenity greenspace
- Green corridor
- Park
- Provision for children and young people

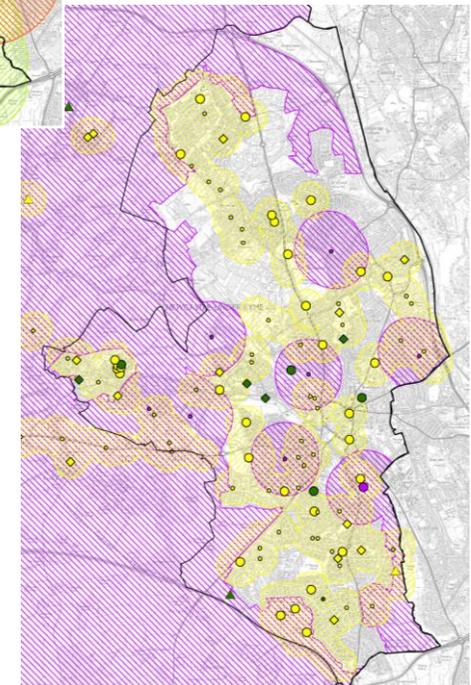
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Quality score

- Not audited
- △ <70%
- ◇ 70-79%
- 80%+

Catchment

- Natural & semi-natural green space
- Allotments
- Amenity greenspace
- Park
- Provision for children and young people



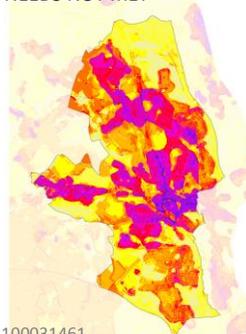
GREEN INFRASTRUCTURE NEEDS AND DEFICITS: OTHER DIMENSIONS

Total percentage of needs met: **19.9%**

NEEDS MET



NEEDS NOT MET



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| OTHER BENEFITS GREEN INFRASTRUCTURE (GI) CAN PROVIDE - IN ADDITION TO OPPORTUNITIES FOR RECREATION | | LOCAL RELEVANCE ³ | FUNCTIONAL RESOURCES ⁴ |
|---|---------|------------------------------|-----------------------------------|
| Wildlife and biodiversity | | | |
| > Pollination | ■ ■ | ■ | |
| > Pest and disease control | ■ ■ | ■ | |
| > Habitat for wildlife | ■ | ■ ■ ■ ■ | |
| > Corridor for wildlife | ■ | ■ ■ | |
| Community health and wellbeing | | | |
| > Support for community cohesion | ■ ■ ■ | ■ ■ | |
| > Environment for learning | ■ ■ ■ | ■ | |
| > Opportunities to hear natural sound | ■ ■ ■ | 0 | |
| > Connection with local environment | ■ ■ ■ | ■ ■ ■ | |
| > Encouraging green travel | ■ ■ | ■ | |
| Quality of place | | | |
| > Visual contribution to landscape character | ■ ■ ■ | ■ | |
| > Quality physical boundaries | ■ ■ | ■ ■ | |
| > Culture | ■ ■ ■ | ■ | |
| > Heritage | ■ | ■ | |
| Products and green economy | | | |
| > Food production | ■ ■ ■ | ■ | |
| > Timber production | ■ ■ ■ ■ | ■ | |
| > Biofuels production | ■ ■ | ■ | |
| > Providing jobs | ■ ■ | ■ ■ | |
| ³ Local relevance: 0 = None ■ indicates that there is a high level of need covering up to 25% of the area ■ ■ indicates that there is a high level of need covering 25 to 50% of the area ■ ■ ■ indicates that there is a high level of need covering 50 to 75% of the area ■ ■ ■ ■ indicates that there is a high level of need covering over 75% of the area | | | |
| ⁴ Functional resources: 0 = None in the areas of need ■ = Cover up to 25% of the area of need ■ ■ = Cover 25-50% of the area of need ■ ■ ■ = Cover 50-75% of the area of need ■ ■ ■ ■ = Cover 75-100% of the area of need | | | |

OTHER BENEFITS GREEN INFRASTRUCTURE (GI) CAN PROVIDE - IN ADDITION TO OPPORTUNITIES FOR RECREATION

LOCAL RELEVANCE³

FUNCTIONAL RESOURCES⁴

Environmental resilience

| | | |
|--|---------|-------|
| > Noise absorption | ■ | ■ |
| > Trapping air pollutants | ■ | ■ |
| > Soil stabilisation | ■ | ■ ■ |
| > Removal of pollution from soil/water | ■ | ■ |
| > Water interception | ■ ■ ■ | ■ |
| > Water infiltration | ■ ■ ■ | ■ |
| > Water flow reduction through surface roughness | ■ ■ ■ | ■ |
| > Water conveyance | ■ | ■ |
| > Accessible water storage | ■ ■ ■ ■ | ■ |
| > Inaccessible water storage | ■ ■ ■ | ■ |
| > Wind shelter | ■ | ■ |
| > Carbon storage | ■ ■ ■ ■ | ■ |
| > Shading from the sun | ■ ■ ■ | ■ |
| > Evaporative cooling | ■ ■ ■ | ■ ■ ■ |