

WASHINGTON, DC

STRUCTURAL URBAN FORM REFERENCE MAP

Structural Intensity (SI) ≥ 0.007987
8-Neighbor Connectivity (Strict)

STRUCTURAL COMPONENTS

- Structural Core**
Largest connected component
- L'Enfant Plaza-Southwest Waterfront**
Separate named structural area
- Navy Yard-Capitol Riverfront**
Separate named structural area
- Georgetown**
Separate named structural area
- Other substantive components**
SI ≥ 0.007987 ; ≥ 10 cells
- Minor structural fragments**
SI ≥ 0.007987 ; < 10 cells

FIXED MEASUREMENTS

Geography	Cells / comps.	Area (mi ² / km ²)
Structural Core	3,957	5.397 mi ² 13.978 km ²
L'Enfant-Southwest Waterfront	348	0.475 mi ² 1.230 km ²
Navy Yard-Capitol Riverfront	264	0.360 mi ² 0.934 km ²
Georgetown	216	0.295 mi ² 0.763 km ²
Other substantive components	84 comps.	2.844 mi ² 7.366 km ²
Total substantive structural areas	88 comps.	9.371 mi ² 24.271 km ²
Minor fragments	904 comps.	2.925 mi ² 7.575 km ²

South-of-the-Mall analytical grouping: 8 strict components, 826 cells, 1.127 mi² / 2.920 km². This row is non-additive.

BOUNDARIES AND REFERENCE

- Washington, DC municipal boundary
- County / independent-city boundary
- DC geographic center
- National Mall reference area (context only)

METHOD AND SOURCES

SI = estimated building-footprint coverage $\times$ normalized building height.
Native Microsoft raster cells; no smoothing, bridging, or gap filling.
2025 Census municipal-land mask; strict 8-neighbor labeling.

Sources: Microsoft 2023 Q4 Building Density & Height; U.S. Census Bureau 2025 TIGER/Line; Esri World Light Gray Canvas.
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