Carbon Storage

Northwest Indiana Regional Planning Commission

GREEN INFRASTRUCTURE VISION
VERSION 2.3 ECOSYSTEM SERVICE VALUATION
Chicago Wilderness
THE CONSERVATION FUND

Map Prepared by
The Conservation Fund, 2015.

1 in = 2 miles

0 6 Miles

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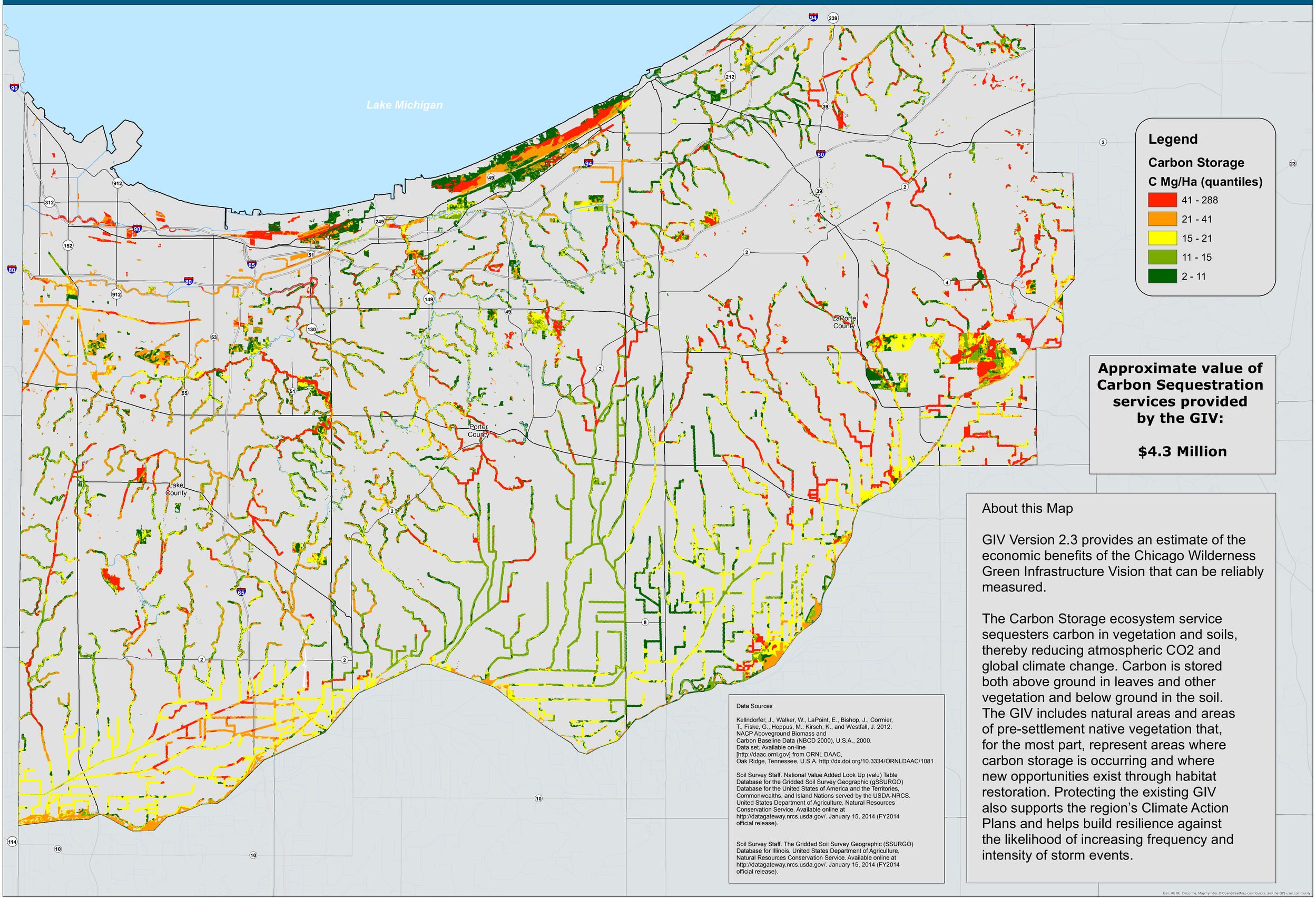

Approximate value of Carbon Sequestration services provided by the GIV:

$4.3 Million

About this Map

GIV Version 2.3 provides an estimate of the economic benefits of the Chicago Wilderness Green Infrastructure Vision that can be reliably measured.

The Carbon Storage ecosystem service sequesters carbon in vegetation and soils, thereby reducing atmospheric CO2 and global climate change. Carbon is stored both above ground in leaves and other vegetation and below ground in the soil. The GIV includes natural areas and areas of pre-settlement native vegetation that, for the most part, represent areas where carbon storage is occurring and where new opportunities exist through habitat restoration. Protecting the existing GIV also supports the region's Climate Action Plans and helps build resilience against the likelihood of increasing frequency and intensity of storm events.

Data Sources

Kellndorfer, J., Walker, W., LaPoint, E., Bishop, J., Cormier, T., Fiske, G., Hoppus, M., Kirsch, K., and Westfall, J. 2012. NACP Aboveground Biomass and Carbon Baseline Data (NBCD 2000), U.S.A., 2000. Data set. Available on-line [http://daac.ornl.gov] from ORNL DAAC, Oak Ridge, Tennessee, U.S.A. http://dx.doi.org/10.3334/ORNLDAAC/1081

Soil Survey Staff. National Value Added Look Up (valu) Table Database for the Gridded Soil Survey Geographic (gSSURGO) Database for the United States of America and the Territories, Commonwealths, and Island Nations served by the USDA-NRCS. United States Department of Agriculture, Natural Resources Conservation Service. Available online at http://datagateway.nrcs.usda.gov/. January 15, 2014 (FY2014 official release).

Soil Survey Staff. The Gridded Soil Survey Geographic (SSURGO) Database for Illinois. United States Department of Agriculture, Natural Resources Conservation Service. Available online at http://datagateway.nrcs.usda.gov/. January 15, 2014 (FY2014 official release).

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