

# Supplementary Information

## Indicator A: Population & Land Use

### State of Casco Bay 6<sup>th</sup> Edition

#### References

Casco Bay Estuary Partnership. 2010. State of the Bay 2010 Report. Portland, Maine.

<https://www.cascobayestuary.org/wp-content/uploads/2018/05/2010-State-of-the-Bay-Report-CBEP.pdf>.

Casco Bay Estuary Partnership. 2015. State of the Bay 2015 Report. Portland, Maine.

<https://www.cascobayestuary.org/wp-content/uploads/2014/06/2015-SOTB-Report-final-3-16-16.pdf>

#### Further Reading

The Greater Portland Council of Governments established an online portal, GPCOG Community Profiles, which summarizes population and demographic information and trends for the municipalities within GPCOG's service area. Available at:

[https://dashboards.mysidewalk.com/gpcog/gray\\_popdemo](https://dashboards.mysidewalk.com/gpcog/gray_popdemo)

NOAA's National Ocean Service produced the *National Coastal Population Report* in 2013. The report summarizes population trends for coastal counties and states. Available at:

<https://aamboceanservice.blob.core.windows.net/oceanservice-prod/facts/coastal-population-report.pdf>

NOAA's Office for Coastal Management's *Digital Coast* manages the Coastal Change Analysis Program (C-CAP) tracking Regional Land Cover and Change. The C-CAP Land Cover Atlas is an online viewer that provides access to interactive maps, summary reports, and land cover data at a variety of spatial scales. Available at: <https://coast.noaa.gov/digitalcoast/tools/lca.html>

#### Methods and Data Sources

##### Population Change

We obtained historical U.S. Census population data through the IPUMS National Historical Geographic Information System (<https://nhgis.org>). We prepared the population change map using ArcMap.

Steven Manson, Jonathan Schroeder, David Van Riper, and Steven Ruggles. IPUMS National Historical Geographic Information System: Version 14.0 [Database]. Minneapolis, MN: IPUMS. 2019. <http://doi.org/10.18128/D050.V14.0>

### Residential Building Permits

We obtained residential building permit data for Casco Bay municipalities from the U.S. Department of Housing and Urban Development SOCDS Building Permits Database. We compiled the data, and developed the bar graph, using Microsoft Excel. Data were not available for three communities: Albany Township, Greenwood, and Mason Township.

U.S. Department of Housing and Urban Development, Office of Policy Development and Research, State of the Cities Data Systems. 2019. SOCDS Building Permits Database.

<https://socds.huduser.gov/permits/>. Date accessed: August 21, 2019.

### Land Cover

We obtained geospatial land cover data from the Multi-Resolution Land Characteristics Consortium via the National Land Cover Database (NLCD). We exported tabular data from ArcMap into Excel to prepare the bar graph and pie graph. Additional information about the NLCD is available at: <https://pubs.usgs.gov/fs/2012/3020/fs2012-3020.pdf>.

Multi-Resolution Land Characteristics Consortium. 2019. National Land Cover Database.

<https://www.mrlc.gov/data?f%5B0%5D=category%3Aland%20cover>. Date accessed: December 16, 2019.