



Name	Climate Change in the Casco Bay Watershed: Past, Present, and Future
Description	From the report: This report describes how the climate of Casco Bay watershed in Maine has changed over the past century and how the future climate of the region is likely to be affected by climate change. To generate future projections for Portland, Farmington, and Lewiston, simulated temperature and precipitation from four climate models were fitted to local, long-term weather observations. Two future scenarios were used for estimated carbon emissions. For the lower emissions scenario, conservation practices and development of renewable energy reduce emissions below those of today by 2100. In the higher emissions scenario, fossil fuels are assumed to remain a primary energy resource, and emissions grow four times the amount of today by 2100. The scenarios describe climate in terms of temperature and precipitation for three future periods: the near-term, 2010-2039, mid-century, 2040-2069, and end-of-century, 2070-2099. All changes are relative to a historical baseline, 1970-1999. "
Type	- PRODUCTS: Projections (intra-annual to multi-decadal, including SLR and model down-scaling) - PRODUCTS: Other
Sector	
Focus Area	- Coasts and Climate Resilience (including sea-level rise)
Region	- Regional Or State -- New England
Lead Agencies	Casco Bay Estuary Partnership