

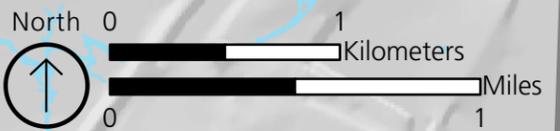
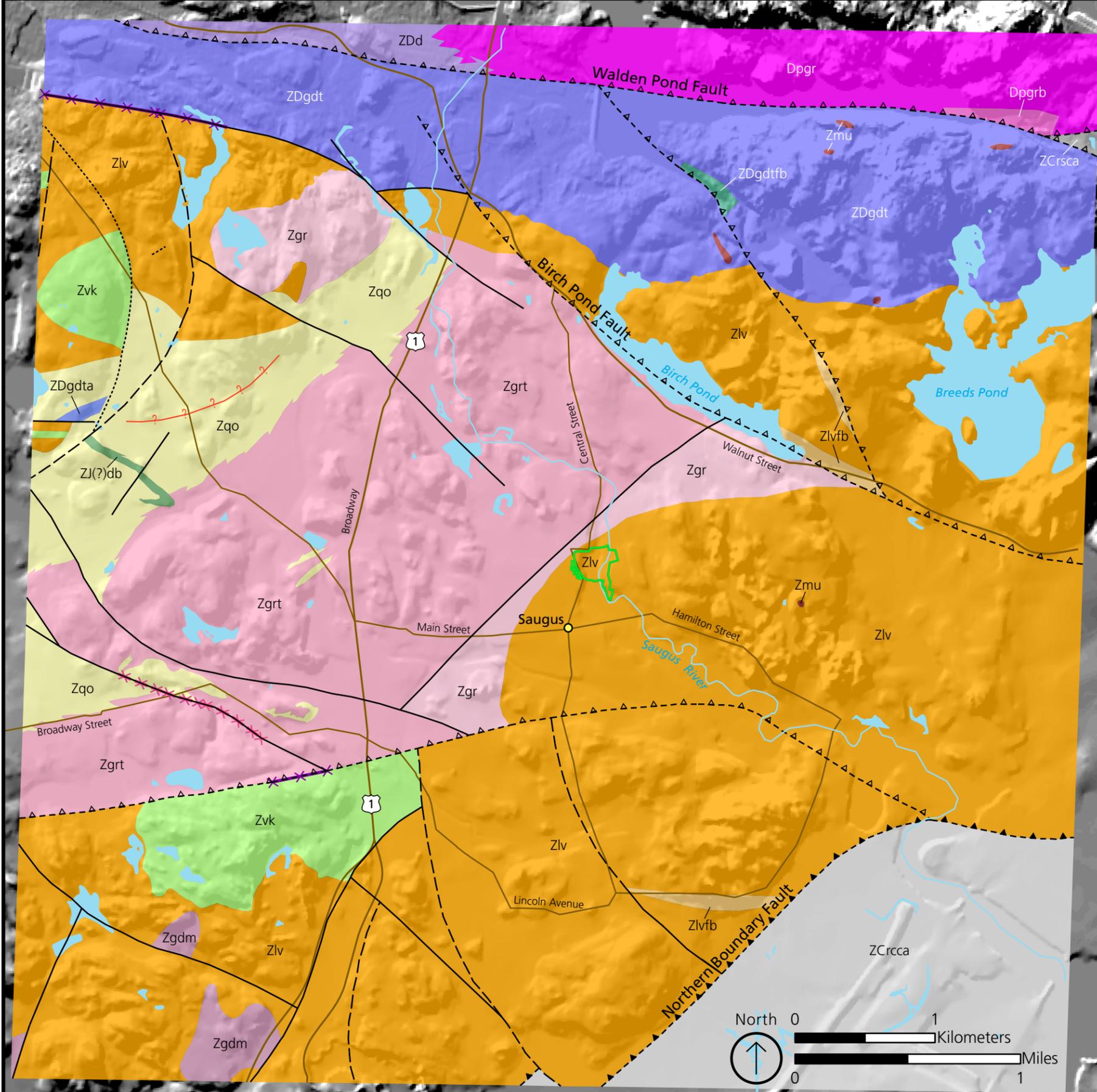
# Geologic Map of Saugus Iron Works National Historic Site

Massachusetts

National Park Service  
U.S. Department of the Interior



Geologic Resources Inventory



**NPS Boundary**  
 NPS Boundary

**Infrastructure**  
 cities  
 roads

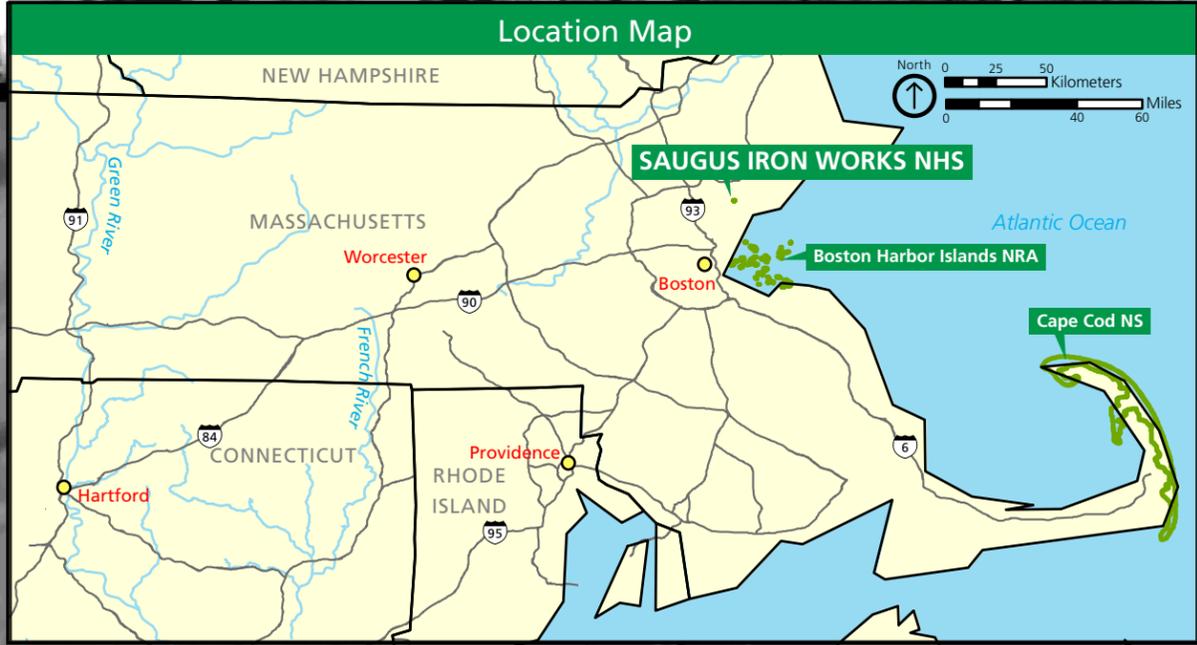
**Folds**  
 antiform, queried

**Faults**  
 thrust fault, inferred  
 reverse fault, short dashed where inferred and long dashed where approximate  
 right-lateral strike-slip fault, short dashed where inferred and long dashed where approximate  
 left-lateral strike-slip fault, approximate  
 unknown offset/displacement, solid where known, short dashed where inferred, and long dashed where approximate

**Linear Dikes**  
 unknown unit, known or certain  
 unknown unit, approximate

**Geologic Units**  
 water  
 ZJ(?)db Diabase dike with magnetite (Proterozoic? to Jurassic?)

	Dpgr	Peabody Granite (Devonian)
	Dpgrb	Peabody Granite, brecciated (Devonian)
	ZDd	Quartz-diorite and diorite (Proterozoic to Devonian)
	ZDgdt	Tonalite to granodiorite (Proterozoic to Devonian)
	ZDgdtfb	Tonalite to granodiorite, fault breccia (Proterozoic to Devonian)
	ZCrcca	Roxbury Conglomerate and Cambridge Argillite, undifferentiated (Neoproterozoic to Lower Cambrian)
	ZCrzca	Argillaceous sandstone and siltstone and Cambridge Argillite, undifferentiated (Neoproterozoic to Lower Cambrian)
	Zvk	Quartz keratophyre and keratophyre (Neoproterozoic)
	Zlv	Lynn Volcanics (Neoproterozoic)
	Zlvfb	Lynn Volcanics, fault breccia (Neoproterozoic)
	Zqo	Quartzite and Olistostromal Assemblage (Proterozoic)
	Zmu	Mafic metavolcanic xenoliths of unknown affinity (Proterozoic)
	Zgrt	Trondhjemite (Proterozoic)
	Zgdm	Granodiorite to quartz monzonite (Proterozoic)
	Zgr	Granitoid rocks, undifferentiated (Proterozoic)



This map was produced by Kari Lanphier (Colorado State University) in February 2014. It is an overview of compiled geologic data prepared as part of the NPS Geologic Resources Inventory. This map is not a substitute for site-specific investigations.

The source map used in creation of the digital geologic data was:

Kopera, J. P. 2011. Preliminary compilation of bedrock geology in the vicinity of Saugus Iron Works National Historic Site. 1:24,000 scale. Unpublished map and report. Massachusetts Geological Survey, Amherst, Massachusetts.

As per source map scale and U.S. National Map Accuracy Standards, geologic features represented here are within 12 m (40 ft) of their true location.

All digital geologic data and publications prepared as part of the Geologic Resources Inventory are available at the NPS Integrated Resource Management Applications Portal (IRMA): <https://irma.nps.gov/App/Reference/Search>. Enter "GRI" as the search text and select a park from the unit list.