

New York State Department Of Health Environmental Radiation  
Protection Program  
Environmental Radiation Surveillance Site

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**KNOLLS ATOMIC POWER LABORATORY (KAPL) - NISKAYUNA,  
SCHENECTADY COUNTY AND KESSELRING SITE OPERATIONS (KSO) - WEST  
MILTON, SARATOGA COUNTY**

Managed by a private contractor for the US Department of Energy (DOE) and US Naval Reactors program, the nuclear reactor research laboratory and reactor training facilities have been operating since 1951 and 1955, respectively. KAPL is on the shore of the Mohawk River, east of Schenectady, where a small test reactor and hot cell facilities are maintained. The Kesselring site in West Milton is used to train U.S. Navy personnel on prototype naval training reactors. Figure 2.2-5a shows the location of the Kesselring facility in Saratoga County and Figure 2.2-5b shows the location of the KAPL facility in Schenectady County.

Additional information on both the Knolls and Kesselring sites can be found at <http://www.knollslab.com/>.

The US DOE also operated the Separations Process Research Unit (SPRU) at the Knolls site. The SPRU facilities were constructed to research the separation of plutonium and uranium from radioactive material encased in aluminum, known as slugs. SPRU operated between February 1950 and October 1953, when research activities ceased following successful development of the reduction oxidation (REDOX) and plutonium uranium extraction (PUREX) processes subsequently used by Hanford and the Savannah River Sites. The research was performed on a laboratory scale; SPRU was never a production plant. Decommissioning of SPRU began in October 1953 and continued through the 1990s. All SPRU facilities are under surveillance and maintenance.

Additional information on the SPRU can be found at: <http://spru.energy.gov/>.

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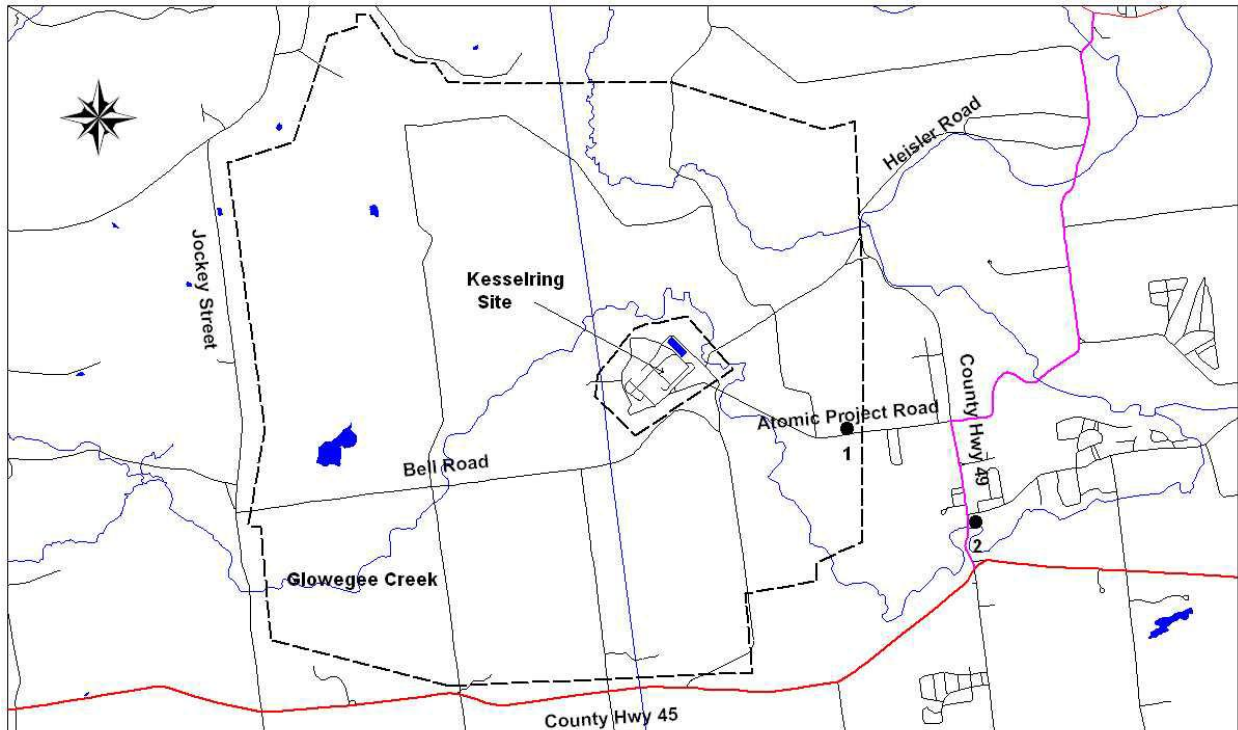


Figure 2.2-5a. Kesselring Site Sampling Locations

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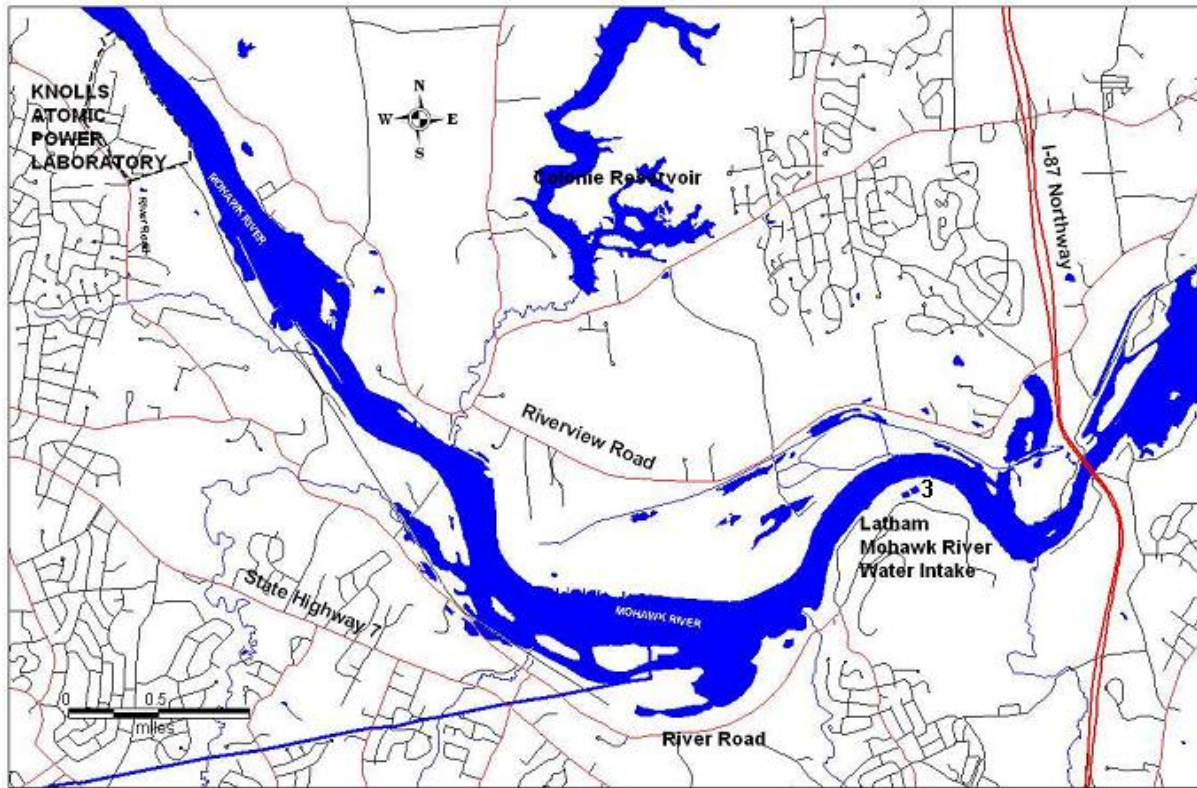


Figure 2.2-5b. Locations of Knolls Atomic Power Laboratory and the Latham Public Water District's Mohawk River Water Intake