Archaic Long Island Native Americans used steatite to produce cooking vessels, pipes, and other objects. Steatite is not local and must have been obtained from distant quarries. Procurement of steatite is one of the earliest examples of travel and trade over water. X-ray microscopic analysis was used to match the chemical profiles of steatite artifacts from Long Island sites to two specific quarries in Rhode Island. It was inspired by archaeologist Mark Tweedie’s previous work which surveyed numerous quarry sources for Long Island steatite. Future studies using the SRX and XFM beamlines will allow us to identify the source of steatite at each site and to use this information to better understand the travel and trade patterns.