Nikki L. Floris entered the Bureau in 2005 as an Intelligence Analyst in the Current Intelligence Unit (part of the Directorate of Intelligence). In 2008, Ms. Floris was transferred to the San Diego Division where she worked as the Domain Management Coordinator and Counterterrorism Analytic Team Lead, overseeing various working groups made up of FBI analysts and partner personnel, which were tasked with providing comprehensive threat picture overviews.

In 2010, Ms. Floris returned to Headquarters in the Counterterrorism Division to work as the Supervisory Intelligence Analyst in the Arabian Peninsula Terrorism Analysis Unit, eventually becoming its Unit Chief, wherein she led the targeting, identification, and disruption efforts against Al-Qa'ida in the Arabian Peninsula (AQAP) where it concerned the Homeland and US Interests. In 2011, Ms. Floris became the Assistant Section Chief, and then Section Chief, of the Counterterrorism Analysis Section, with responsibility for assessing Homeland and overseas terrorist activity, recruitment, and radicalization to drive operational and policy-making decisions and strategies. In 2017, Ms. Floris was promoted to Deputy Assistant Director of Operations Branch III in the Counterterrorism Division, where she oversaw terrorism financing operations, strategic operations, and counterterrorism analysis.

Most recently, Ms. Floris was named Deputy Assistant Director of the Counterintelligence Division. In this role, she oversees the Intelligence Branch, containing the Foreign Influence Task Force Section.

Prior to joining the FBI, Ms. Floris was a Lead Systems Analyst with BAE Systems, working with the DIA as a member of the Human Factors Analysis Team. She has a Bachelor's Degree in Psychology and a Master's Degree in Criminology.