

Executive Summary

Urban development in the Sacramento region has been booming since the early 2000's. Specifically in the Natomas area, housing developments, schools, and shopping malls have sprung up and are replacing once open agricultural lands. This project will evaluate the land cover change between undeveloped land and urban development in rural Sacramento County in California. For the specified area, a supervised classification will be used for two different years to compare and quantify the different land cover types. After the classification is complete, the statistics for the area will be determined to quantify the change over the two years. To perform this analysis, National Agriculture Imagery Program (NAIP) imagery will be classified for each year and then compared to determine the land cover for each category. Once the land cover is calculated, it will be compared to determine the land cover change between 2009 and 2014.