

Allen and Indian Brooks are located in a rapidly urbanizing area in Chittenden County, Vermont. Field measurements and remotely sensed images will be used to quantify channel migration of the streams, which will be related to the quantity of riparian tree cover and specific tree species that are located in the surrounding areas. Other factors that contribute to erosion along Allen and Indian Brooks will be investigated by associated projects. This study will help identify the geomorphological importance of wooded areas near streams, and hopefully encourage the replanting of specific riparian tree species that prevent stream channel migration in urban areas.