



CREATION / UPDATE OF THE DRAINAGE NETWORK FOR KAWARTHA WATERSHED AREA

Client: Kawartha Conservation

Malone Given Parsons Ltd. was contracted by Kawartha Conservation to create a seamless drainage network. A methodology was used that relied on both manual and automated processes that insured that the development of the drainage network was accurate and cost effective. A series of data models and customized ArcGIS tools were created in Visual Basic for Applications and then used to combine the Ontario Base Mapping and Breakline water features into one spatial layer representing the new drainage network. The new network was then applied to a quality assistance and quality control procedure that confirmed that all virtual segments were accurately captured, appropriate attribute information was entered, and all topological rules were followed.