

NEWPOST CREEK HYDROELECTRIC DEVELOPMENT GEOTECHNICAL EVALUATION

Ontario Power Generation

Toronto, Ontario



Project Description

KGS Group was retained by Ontario Power generation (OPG) and TTN to undertake a feasibility level preliminary geotechnical investigation at the proposed Newpost Creek Hydroelectric Development Site. The feasibility level geotechnical investigation program included seismic refraction surveys to determine the thickness of overburden and depth to competent bedrock, an archaeological survey, test pit excavation, geotechnical drilling and bedrock coring programs at the proposed intake and powerhouse locations, cone penetration testing to characterize granular deposits at the powerhouse and to determine bearing capacity and settlements, a laboratory soil testing program, and piezometer installation and monitoring.