



## *Investigative Tool Box*

### *Investigations Possible with HydroImaging Capabilities*

TYPE OF INVESTIGATION	GEOPHYSICAL TOOL						
	Seismic Refraction	Seismic Surface Waves (MASW)	Seismoelectric	Magnetics	Electro-magnetics	Electrical Resistivity/Induced Polarization*	Radiometrics
<b><u>GEOLOGICAL</u></b>							
Subsurface geology	√	√	√	√	√	√	√
Depth to bedrock	√	√				√	
Well siting	√		√		√	√	
Locate water table	√		√			√	
Locate faults	√				√	√	
Evaluate quarry sites	√	√			√	√	
Locate sinkholes, collpases	√				√	√	
Mapping ore deposits							
Mapping layered non-metallic deposits	√		√			√	√
<b><u>ENVIRONMENTAL</u></b>							
Site characterization	√	√		√	√	√	√
Earthen embankments, water seepage	√	√				√	
Map groundwater contaminants	√				√	√	
Mine closure (shafts, tailings)	√	√				√	√
Locate caves, voids	√	√				√	
Locate buried drums, tanks				√	√		
Landfills	√	√		√	√	√	
Archeology				√	√	√	
<b><u>ENGINEERING</u></b>							
Foundation sites		√				√	
UBC-IBC Vs30/Vs100		√					
Soil elasticity (strength)		√					
Evaluate rippability	√					√	
Grounding						√	

\*Hydro Image technology