

# PSR

## PHYSICAL SETTING REPORT

The ERIS PSR provides comprehensive information about the physical setting surrounding a site and includes a complete overview of topography as well as hydrologic, geologic, and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, and radon are also included for review.



### What information does a PSR include?

- **Current Topo Map**

- **Shaded Relief Map** with contour overlay and labels of elevation

**Attributes:** Elevation, Slope Direction

- **Hydrologic Information**

- Wetland Map
- NB and ON will include Provincial Significant Wetland (PSW) Map

- **Geologic Information**

- **Bedrock Geology Map**  
**Attributes:** Bedrock Units, Primary/Secondary Rock Type, Geological Timescale, Strata, Lithology, Tectonic Zones, Geological Province

- **Surficial Geology Map**  
**Attributes:** Surficial Geology Units, Unit Description, Material, Texture, Age

- **Soil Map**

**Attributes:** Soil Type, Stoniness, Soil Components, Steepness, Water Table Characteristics, Drainage, Soil Horizon Information (Depth, Surface Material, Deposition, Parent Material, Electrical Conductivity)

- **Oil and Gas Wells**

**Attributes:** Well Type, License Information, Total Depth, Ground Elevation, Status, Operator and Drilling-Related Information

- **Water Wells and Groundwater Wells**

**Attributes:** Water Level, Depth to Bedrock, Depth to Water Table

- **Radon Information**

**Attributes:** Low/Medium/High Risk at Target Property, Percentage of Homes Tested with Radon Concentrations Below 200 Bq/m<sup>3</sup>, Between 200 and 600 Bq/m<sup>3</sup>, Above 600 Bq/m<sup>3</sup> for Each Province and Territory

- **Area Of Natural and Scientific Interest (ANSI) Map (ON Only)**

**Attributes:** ANSI Name, ID, Type, Significance, Management Plan, Area, Comments