

## Turnstone Geological Services Limited

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**Graham C. Wilson, Ph.D, P.Geo (ON)**

### Principal Services & Products

- Mineral Exploration & Property Evaluation, *including*
- Prospecting, Sampling, Drill Supervision and Core Logging.
- Mineralogical and Materials Science Studies, *including*
- Petrography of Rocks & Ores in Transmitted and Reflected Light.
- Microprobe Analytical Techniques.
- Interpretation of Whole-rock, Trace-element and Mineral-chemical Data.
- Work on many Deposit Types of, e.g., Platinum Group Elements & Gold.

### Achievements & Resources

- **100-plus clients in industry, government and academia, 1985-**
- **~500 Turnstone reports** completed (2012)
- **~3,700 detailed petrographic descriptions.**
- **3,000-plus reference samples**, covering many rock and mineral species.
- In-house databases and other resources, e.g., the **MINLIB Earth-Science Research Bibliography** (>82,000 records) and its derivatives, with strengths in many topical and geographic themes (>100,000 records in **MINLIB & WORLD**).
- **Web site** (2001-) with many features, including >120 “rock of the month” articles
- **Projects on six continents, through 67 countries.**
- Extensive **fieldwork**, including regional prospecting and other surveys, work on old mine sites, and the boulder find (with Dr. Gerald Harper) that led to Magma Metals’ discovery of the “Thunder Bay North” conduit-hosted, Pt-rich, Ni-Cu-PGE deposit at Current Lake in northwest Ontario.
- **Expanded office and lab facilities** – libraries, reference rock and thin-section collections, petrographic and binocular photomicrographic capabilities, magnetic susceptibility, specific gravity, LW/SW UV lamps...

### Long-term Specialities

- Characterization of Geological, Metallurgical and other Materials, *including*
- “Rarities”: meteorite classification; fulgurites; slags; geoarchaeological materials such as chert and metals, etc.
- Photography and photomicrography.
- Broader studies of local geology and natural history.