

Turnstone Geological Services Limited

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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 clients in industry, government and academia, 1985-.**
- **>500 Turnstone reports** completed
- **>3,700 detailed petrographic descriptions.**
- **>4,000 reference samples in searchable catalogues**, plus many more in additional collections, covering many rock and mineral species.
- **In-house databases** and other resources, e.g., the **MINLIB Earth-Science Research Bibliography** (84,000 records) and its derivatives, with strengths in many topical geographic and geopolitical themes (>102,000 records in **MINLIB & WORLD**).
- **Web site** (2001-) with many features, including, as of March 2013, >140 “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 the Keweenaw Midcontinent Rift in northwestern Ontario.
- **Expanded office and lab facilities** – extensive libraries, reference rock and thin-section collections, petrographic and binocular digital photomicrographic capabilities, magnetic susceptibility measurement, specific gravity measurement, LW/SW UV lamps, metal detector...

Long-term Specialities

- Characterization of Geological, Metallurgical and other Materials, *including*
- “Rarities”: meteorite classification; fulgurites; slags; geoarchaeology (chert and metals, etc.)
- Geographic strengths: the Americas, Indian subcontinent, Europe, etc
- Photography and photomicrography.
- Broader studies of local geology and natural history.