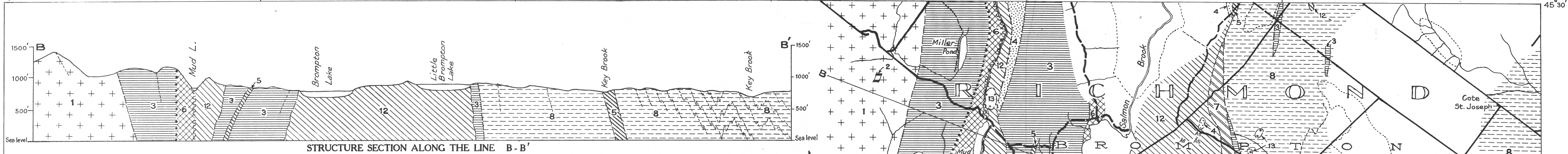


GEOLOGICAL SURVEY



LEGEND

- | | |
|----|---|
| 16 | Alkaline and lamprophyre dykes |
| 15 | Granite |
| 14 | Hornblende gabbro, diorite, quartz diorite and granite, cut by trap, granite, and feldspar porphyry dykes |
| 13 | Hornblende gabbro and diorite; includes massive andesite flows |
| 12 | Serpentine, dunite, peridotite, pyroxenite; actinolite schists |
| 11 | DEVONIAN
Slate, quartzite, limestone |
| 10 | Quartz and quartzite conglomerate |
| 9 | CAMBRIAN (?) AND ORDOVICIAN
Conglomerate with much volcanic material; tuffaceous grit |
| 8 | Dark slate; some interbedded quartzite; conglomerate and breccia |
| 7 | Grey, green, blue, red, pink, and purple slates; green quartzite |
| 6 | Quartz-sericite schists, quartz-chlorite-sericite schists, phyllites; sheared greywacke and quartzites |
| 5 | Siliceous tuffs, rhyolite flows, cherty slates, sericite schists; quartz-feldspar porphyry |
| 4 | Massive flows of altered andesite (greenstone), pillowed and amygdaloidal flows, flow breccias, agglomerates and basic tuffs; some undifferentiated sedimentary rocks |
| 3 | Greywackes, quartzites, slates; some arkoses |
| 2 | Chlorite schists |
| 1 | Quartz-sericite schists, quartz-chlorite-sericite schists, graphite-sericite schists; some quartzites |

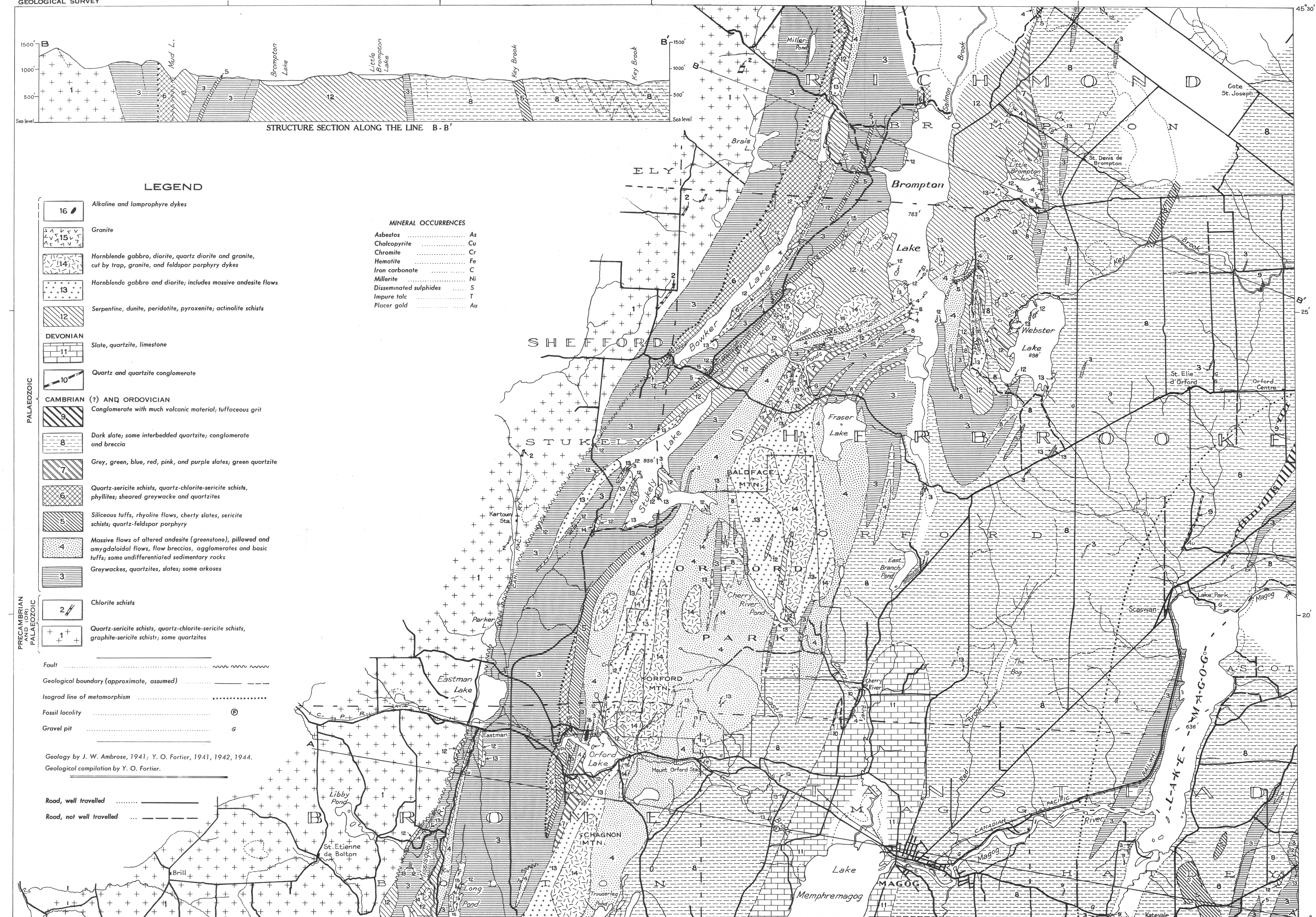
MINERAL OCCURRENCES

- | | |
|------------------------|----|
| Asbestos | As |
| Chalcophyrite | Cu |
| Chromite | Cr |
| Hematite | Fe |
| Iron carbonate | C |
| Millerite | Ni |
| Disseminated sulphides | S |
| Impure talc | T |
| Placer gold | Au |

- Fault wavy line
- Geological boundary (approximate, assumed) dashed line
- Isograd line of metamorphism dotted line
- Fossil locality circle with dot
- Gravel pit G

Geology by J. W. Ambrose, 1941; Y. O. Fortier, 1941, 1942, 1944.
Geological compilation by Y. O. Fortier.

- Road, well travelled solid line
- Road, not well travelled dashed line



PRELIMINARY MAP 45-8A

ORFORD
EASTERN TOWNSHIPS

QUEBEC

Scale: 1 inch to 1 mile

Compiled by the Topographical Survey
Issued 1945