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**LOCATION AND ACCESS**

The area mapped covers about 800 and includes parts of the 1:50,000 grid numbered 52 F16, 52 F17, and 52 K1, 2. The map-area thus includes parts of the following townships: Otonabee, North York, and Blackfoot Townships. The town of Otonabee and the village of Otonabee are located within the map-area. The town of Otonabee is located on the east side of the map-area. The town of Otonabee is located on the east side of the map-area. The town of Otonabee is located on the east side of the map-area.

**HISTORY OF MINERAL EXPLORATION**

Early work in the Lateral Lake area was of a very limited nature prior to the 1941 gold discoveries in southeastern Echo Township. The area was explored by the Ontario Geological Survey, Ontario Department of Mines, and by private individuals. The area was explored by the Ontario Geological Survey, Ontario Department of Mines, and by private individuals. The area was explored by the Ontario Geological Survey, Ontario Department of Mines, and by private individuals.

**REFERENCES**

Armstrong, H.S. 1969. Geology of Echo Township, Ontario. Department of Mines, Vol. 59, p. 15. 1991. Report by Map 1955-1 scale 1:50,000.

Coville, A.C. and McCarter, P. 1977. Geology and Mineralization of the Lateral Lake Stock. District of Ontario, Ontario Geological Survey, Miscellaneous Report 77-1.

Hurst, M.E. 1960. Geology of the Gullwing Lake-Sunburst area, District of Ontario, Ontario Geological Survey, District of Ontario, Ontario Geological Survey, Miscellaneous Report 60-1.

**GENERAL GEOLOGY**

Bedrock within the Lateral Lake map-area appears to be entirely of Early Proterozoic age. Metavolcanics extending west from Vermilion Lake from the oldest unit within the area are commonly of a character with locally well developed massive and phylloitic beds and only rare occurrences of fragmentary (igneous and metamorphic). Metavolcanics extending east from Vermilion Lake are commonly of a character with locally well developed massive and phylloitic beds and only rare occurrences of fragmentary (igneous and metamorphic).

**METAL AND MINERAL ABREVIATIONS**

act. Actinolite  
am. Amphibole  
an. Anorthite  
ap. Apatite  
asp. Asbestos  
az. Azurite  
bz. Biotite  
ca. Calcite  
ce. Celestine  
ch. Chalcocite  
cl. Chlorite  
co. Calcopryite  
cp. Calcopryite  
cpx. Clinopyroxene  
cr. Crystalline  
d. Dolomite  
ep. Epidote  
g. Garnet  
gl. Garnet  
gr. Garnet  
h. Hornblende  
il. Ilmenite  
k. Kyanite  
m. Magnetite  
mg. Magnetite  
mo. Magnetite  
py. Pyrite  
pyop. Pyrope  
qtz. Quartz  
sc. Sphalerite  
sp. Spinel  
st. Staurolite  
t. Titanite  
ur. Uranium  
z. Zircon

**LIST OF PROPERTIES AND OCCURRENCES**

1. Alberts Occurrence  
2. Alford's P.  
3. Canadian Inland Occurrences  
4. Cho, P.H. and Cho, E.K.S.  
5. Coates Occurrence  
6. East Lun Gold Mines Limited  
7. Glen Echo Mines Limited (1951)  
8. Goulet, D.Z., Kendall, M., and Young, J.W.  
9. Goulet Mines Limited (Peak and Prospect)  
10. Goulet Mines Limited (North Prospect)  
11. Goulet Mines Limited (Vibrona Prospect)  
12. Kurylo, I. and Bradburn, P.S.  
13. Lamy, M.  
14. McCreigh, J.G. (1964)  
15. McLagan, H. (1969)  
16. Northern Ontario Limited (1965)  
17. Poppon Molybdenum Mines Limited  
18. Rio Algon Limited (Concessions Project)  
19. Rio Tinto Canadian Exploration Limited (Canada Inland Project)  
20. Rio Tinto Canadian Exploration Limited (D'Arcy Couvreur Shovel Project)  
21. Selsby Mining Corporation Limited  
22. Southern Vermilion Lake  
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24. Southern Vermilion Lake  
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26. Southern Vermilion Lake  
27. Woodbury Occurrence

**STRUCTURAL GEOLOGY**

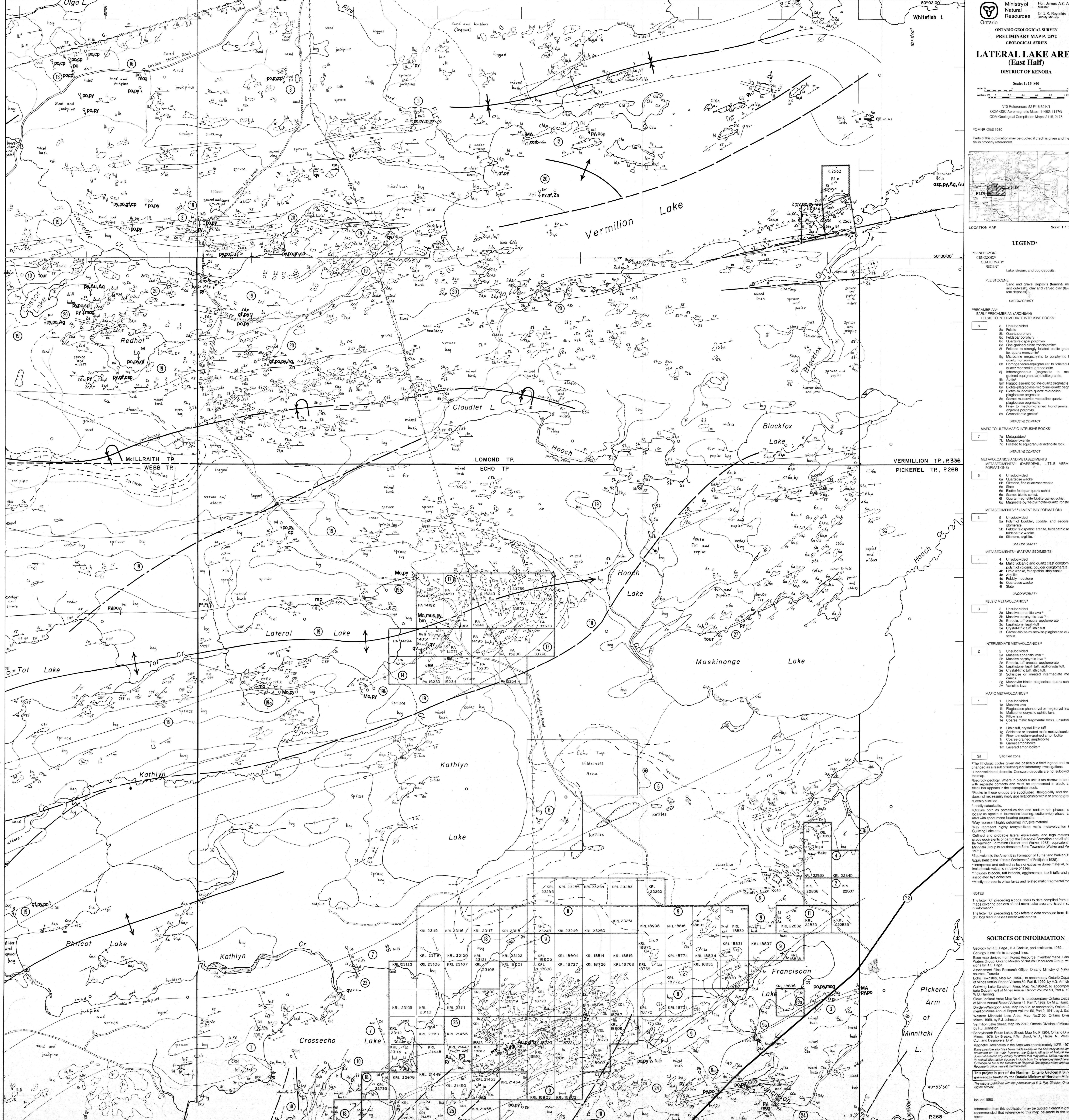
Structure within the map-area is relatively simple on a regional scale. The main structural features are:  
1. A north-south trending fault zone.  
2. A north-south trending fault zone.  
3. A north-south trending fault zone.  
4. A north-south trending fault zone.  
5. A north-south trending fault zone.

**ECONOMIC GEOLOGY**

A variety of metallic deposits (Au, Cu, Zn, Pb, Ag, Mo, Ta) have been identified within the map-area. The most important of these are:  
1. Gold deposits.  
2. Silver deposits.  
3. Lead deposits.  
4. Zinc deposits.  
5. Copper deposits.  
6. Molybdenum deposits.

**PROPERTY AND EXPLORATION LOCATION MAP**

This map shows the location of all properties and exploration points within the map-area. It includes the names of the property owners and the dates of exploration. The map is a grid of 10x10 kilometers, with each square representing a 10x10 km area.



**PROPERTY AND EXPLORATION LOCATION MAP**  
Scale: 1:100,000

**LEGEND**

**PHANEROZOIC**  
QUATERNARY  
RECENT  
Lake stream, and bog deposits.

**PROTEROZOIC**  
Sand and gravel deposits (terminal moraine and drift), till, and varved clay (see note on page 75).

**UNCONFORMITY**

**PRECAMBRIAN**  
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