

1354A



Figure 11. Haliburton-Bancroft area, Ontario.

- LEGEND**
- CRETACEOUS**
8. Carboniferous to Devonian, with some younger rocks, including some of the following: sandstone, shale, limestone, and other sedimentary rocks.
7. Carboniferous to Devonian, with some younger rocks, including some of the following: sandstone, shale, limestone, and other sedimentary rocks.
6. Carboniferous to Devonian, with some younger rocks, including some of the following: sandstone, shale, limestone, and other sedimentary rocks.
5. Carboniferous to Devonian, with some younger rocks, including some of the following: sandstone, shale, limestone, and other sedimentary rocks.
4. Carboniferous to Devonian, with some younger rocks, including some of the following: sandstone, shale, limestone, and other sedimentary rocks.
3. Carboniferous to Devonian, with some younger rocks, including some of the following: sandstone, shale, limestone, and other sedimentary rocks.
- PRECAMBRIAN**
2. Metamorphic rocks, including some of the following: gneiss, schist, and amphibolite.
1. Metamorphic rocks, including some of the following: gneiss, schist, and amphibolite.

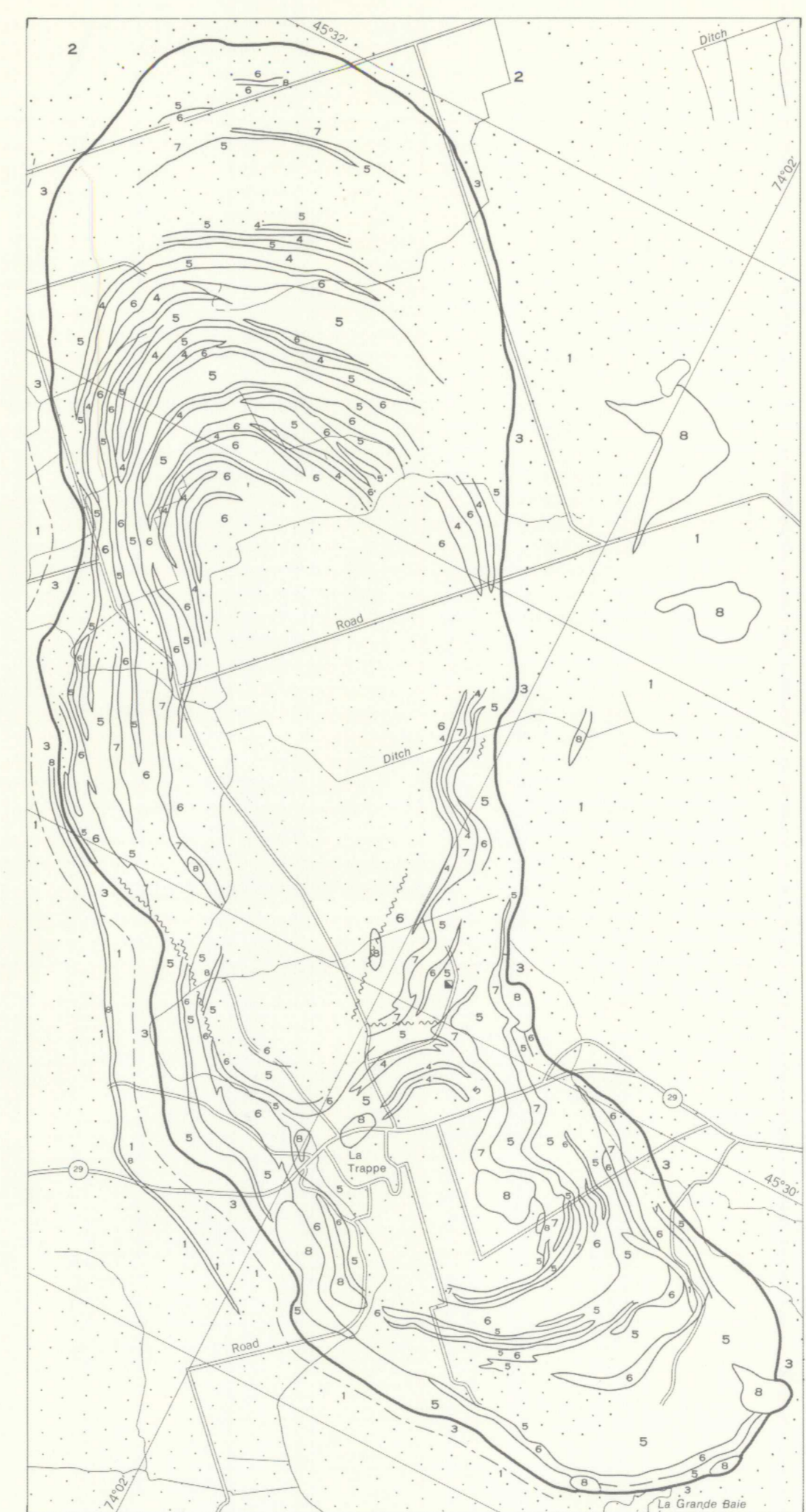


Figure 4. Oka, Quebec, alkaline syenite-carbonate complex.

- LEGEND**
6. Hornblende gneiss
5. Carbonate (dolomite) - contact
4. Dolomite
3. Amphibole-dolomite - locally
2. Amphibole-bearing carbonates, including some of the following: amphibole, dolomite, and quartz.
1. Amphibole-bearing carbonates, including some of the following: amphibole, dolomite, and quartz.

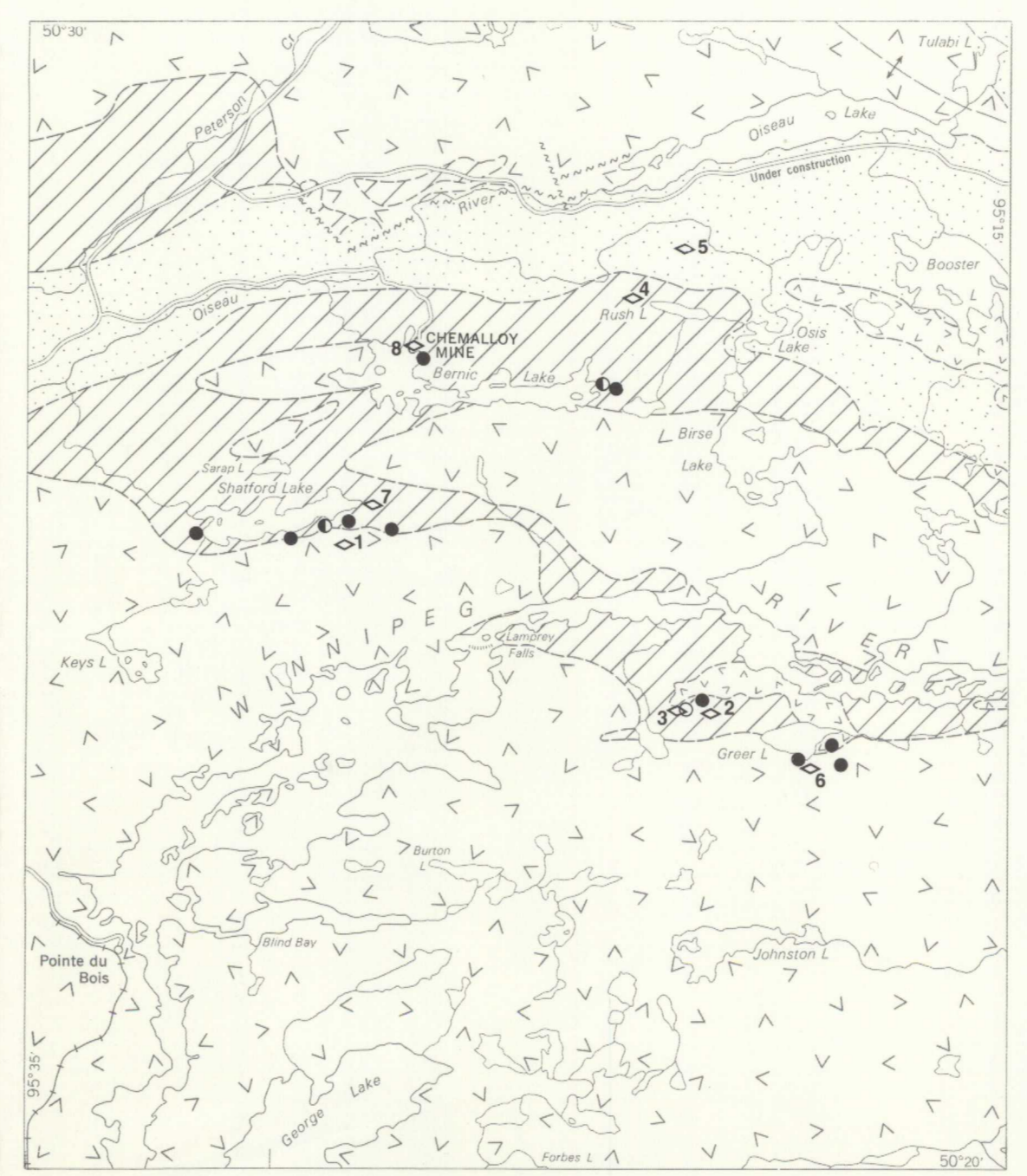


Figure 5. Oiseau River-Winnipeg River area, Manitoba.

- LEGEND**
6. Hornblende gneiss
5. Carbonate (dolomite) - contact
4. Dolomite
3. Amphibole-dolomite - locally
2. Amphibole-bearing carbonates, including some of the following: amphibole, dolomite, and quartz.
1. Amphibole-bearing carbonates, including some of the following: amphibole, dolomite, and quartz.

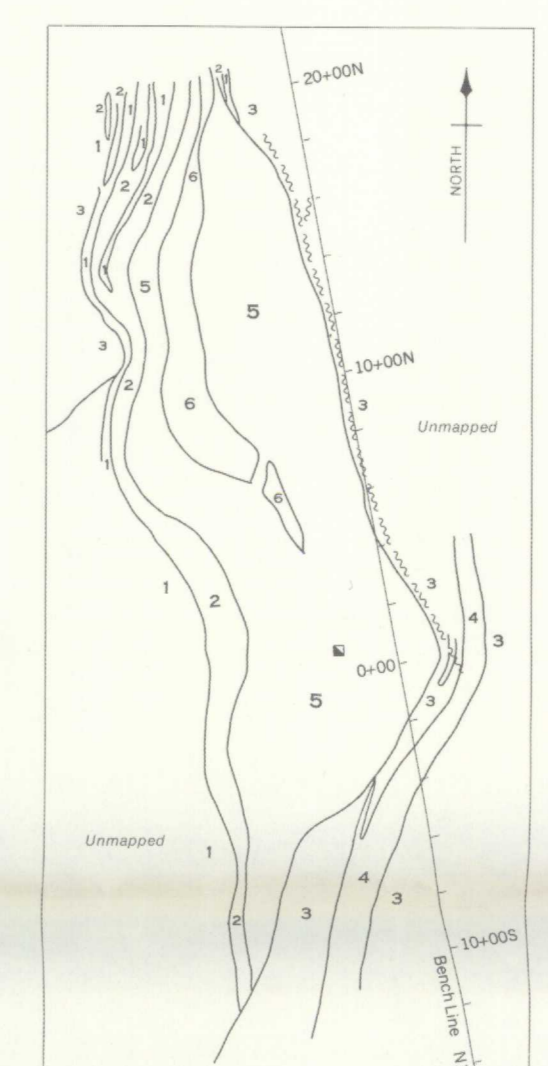


Figure 6. Alpha-B or South Bluff Creek, Ontario, carbonate lenses.

Refer to column legend at lower left corner of map for explanation of mineral symbols on figures 5, 6, 7, 9, 10 and 11. See map for location of figures 4 to 11.

- LEGEND**
10. Sand and gravel
9. Gabbro
8. Laccadinitic
7. Albite and/or hornblende gneiss
6. Hornblende gneiss
5. Amphibole gneiss
4. Gabbro
3. Metapelite, albite-actinolite rock, amphibolite
2. Metapelite, albite-actinolite rock, amphibolite
1. Metapelite, albite-actinolite rock, amphibolite

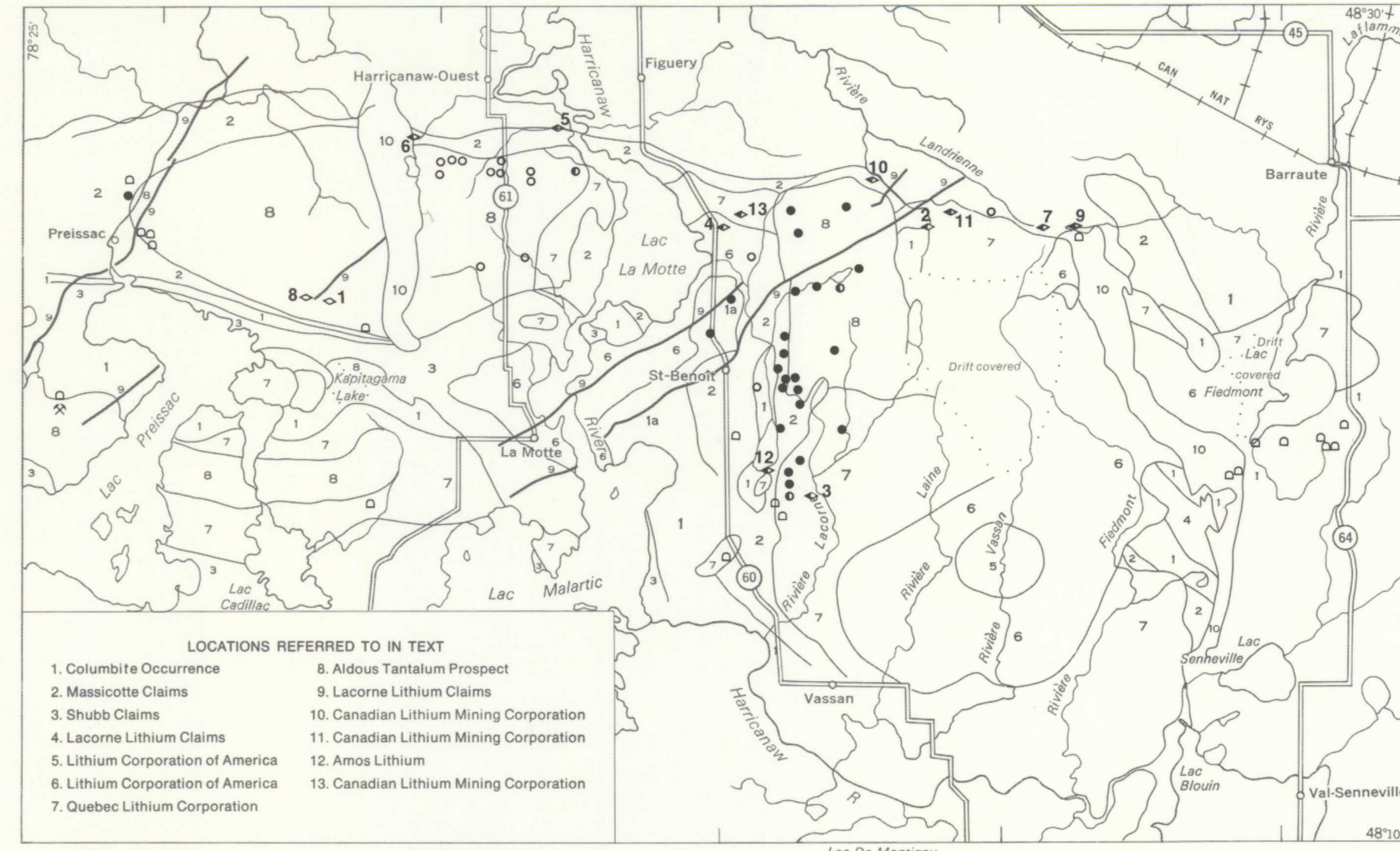


Figure 9. Preissac-Lacorne batholith, Quebec.

- LEGEND**
10. Sand and gravel
9. Gabbro
8. Laccadinitic
7. Albite and/or hornblende gneiss
6. Hornblende gneiss
5. Amphibole gneiss
4. Gabbro
3. Metapelite, albite-actinolite rock, amphibolite
2. Metapelite, albite-actinolite rock, amphibolite
1. Metapelite, albite-actinolite rock, amphibolite

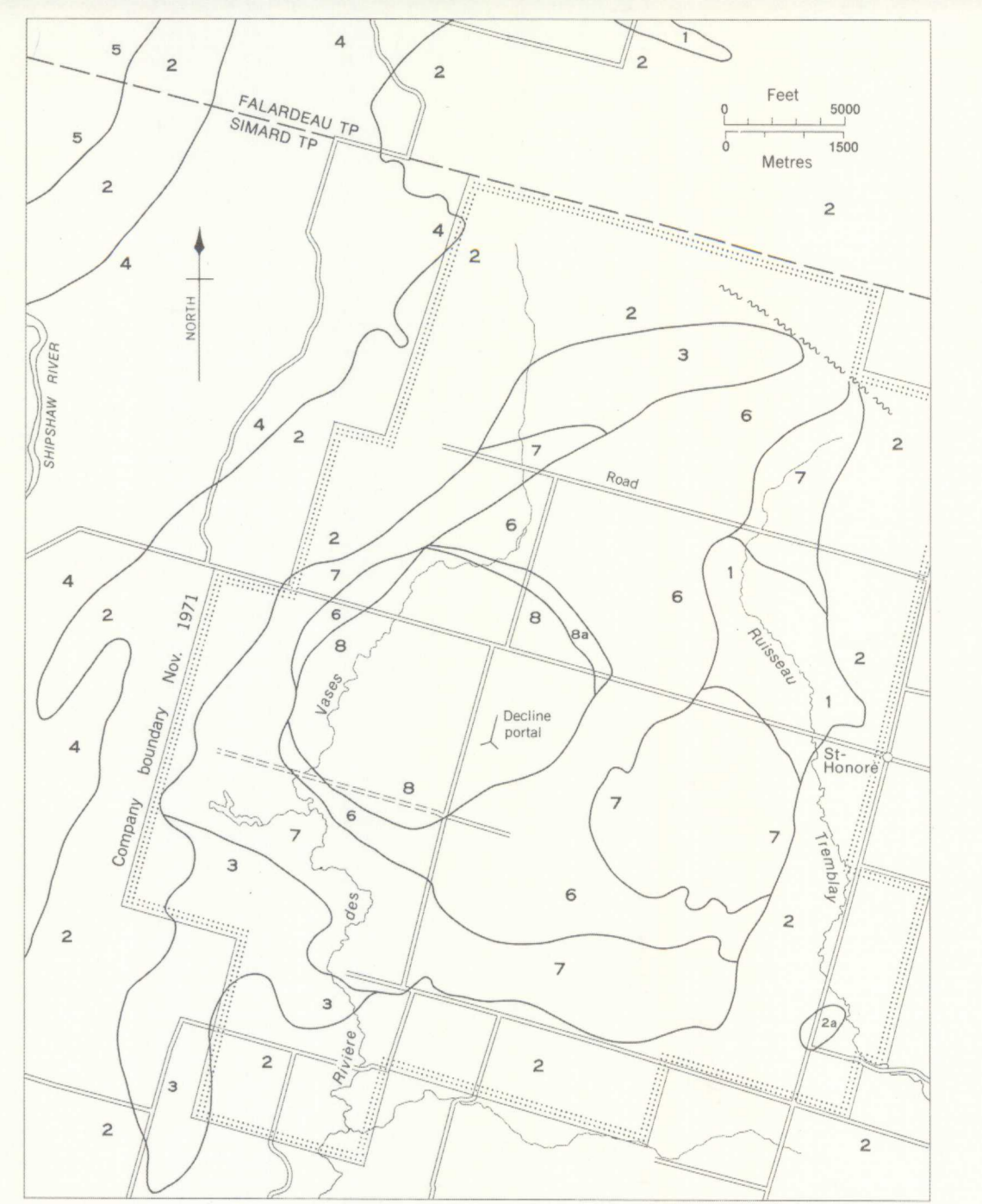
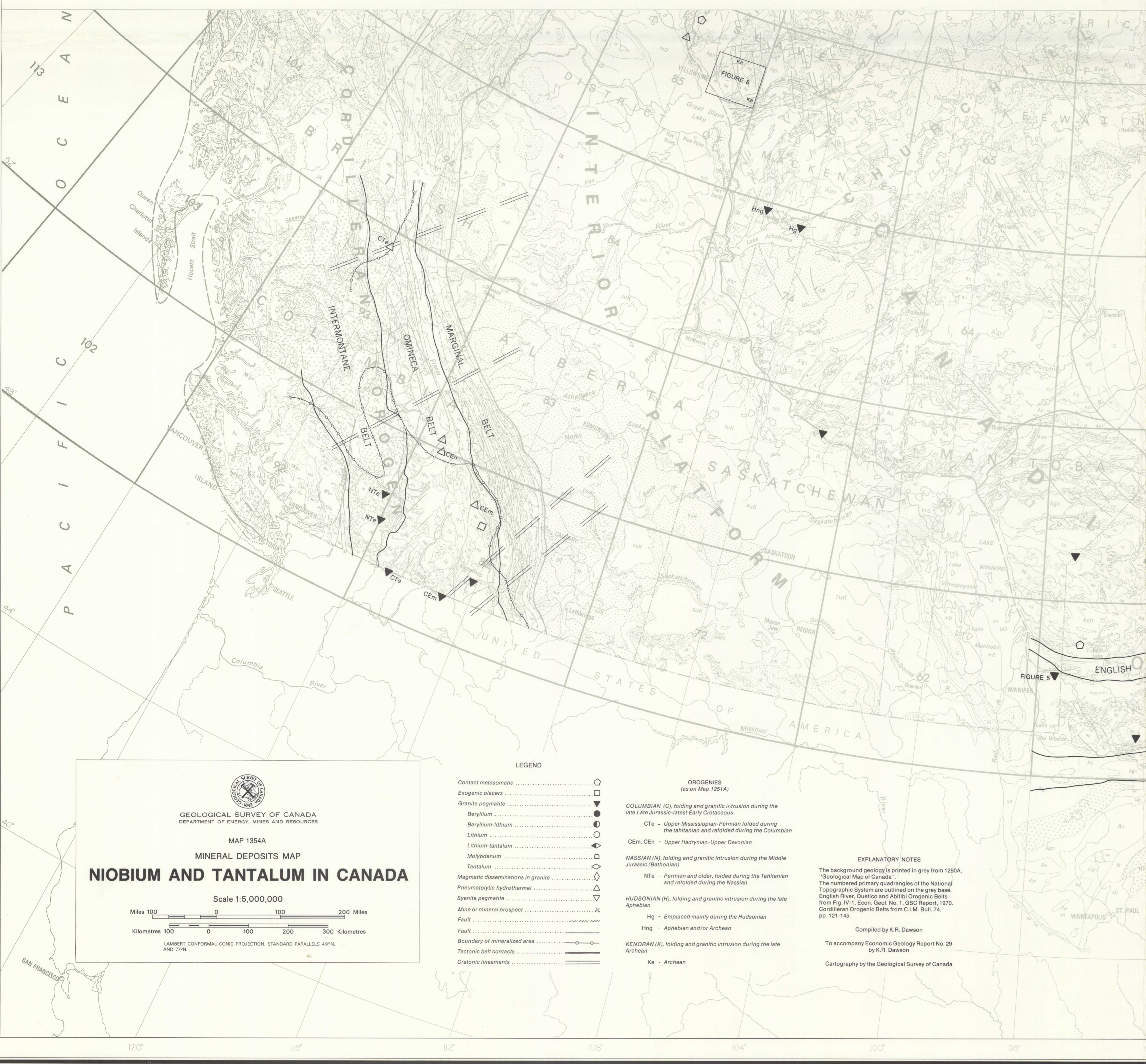


Figure 7. St-Honore, Quebec, alkaline syenite-carbonatite complex.

**LEGEND**

Age of rocks is indicated by capital letters. Modifications are shown to the left by lower case letters in lower, in middle, or upper position (if being the latter).

QUATERNARY	QUATERNARY	QUATERNARY	QUATERNARY
Q	Q	Q	Q
Q1	Q1	Q1	Q1
Q2	Q2	Q2	Q2
Q3	Q3	Q3	Q3
Q4	Q4	Q4	Q4
Q5	Q5	Q5	Q5
Q6	Q6	Q6	Q6
Q7	Q7	Q7	Q7
Q8	Q8	Q8	Q8
Q9	Q9	Q9	Q9
Q10	Q10	Q10	Q10
Q11	Q11	Q11	Q11
Q12	Q12	Q12	Q12
Q13	Q13	Q13	Q13
Q14	Q14	Q14	Q14
Q15	Q15	Q15	Q15
Q16	Q16	Q16	Q16
Q17	Q17	Q17	Q17
Q18	Q18	Q18	Q18
Q19	Q19	Q19	Q19
Q20	Q20	Q20	Q20
Q21	Q21	Q21	Q21
Q22	Q22	Q22	Q22
Q23	Q23	Q23	Q23
Q24	Q24	Q24	Q24
Q25	Q25	Q25	Q25
Q26	Q26	Q26	Q26
Q27	Q27	Q27	Q27
Q28	Q28	Q28	Q28
Q29	Q29	Q29	Q29
Q30	Q30	Q30	Q30
Q31	Q31	Q31	Q31
Q32	Q32	Q32	Q32
Q33	Q33	Q33	Q33
Q34	Q34	Q34	Q34
Q35	Q35	Q35	Q35
Q36	Q36	Q36	Q36
Q37	Q37	Q37	Q37
Q38	Q38	Q38	Q38
Q39	Q39	Q39	Q39
Q40	Q40	Q40	Q40
Q41	Q41	Q41	Q41
Q42	Q42	Q42	Q42
Q43	Q43	Q43	Q43
Q44	Q44	Q44	Q44
Q45	Q45	Q45	Q45
Q46	Q46	Q46	Q46
Q47	Q47	Q47	Q47
Q48	Q48	Q48	Q48
Q49	Q49	Q49	Q49
Q50	Q50	Q50	Q50
Q51	Q51	Q51	Q51
Q52	Q52	Q52	Q52
Q53	Q53	Q53	Q53
Q54	Q54	Q54	Q54
Q55	Q55	Q55	Q55
Q56	Q56	Q56	Q56
Q57	Q57	Q57	Q57
Q58	Q58	Q58	Q58
Q59	Q59	Q59	Q59
Q60	Q60	Q60	Q60
Q61	Q61	Q61	Q61
Q62	Q62	Q62	Q62
Q63	Q63	Q63	Q63
Q64	Q64	Q64	Q64
Q65	Q65	Q65	Q65
Q66	Q66	Q66	Q66
Q67	Q67	Q67	Q67
Q68	Q68	Q68	Q68
Q69	Q69	Q69	Q69
Q70	Q70	Q70	Q70
Q71	Q71	Q71	Q71
Q72	Q72	Q72	Q72
Q73	Q73	Q73	Q73
Q74	Q74	Q74	Q74
Q75	Q75	Q75	Q75
Q76	Q76	Q76	Q76
Q77	Q77	Q77	Q77
Q78	Q78	Q78	Q78
Q79	Q79	Q79	Q79
Q80	Q80	Q80	Q80
Q81	Q81	Q81	Q81
Q82	Q82	Q82	Q82
Q83	Q83	Q83	Q83
Q84	Q84	Q84	Q84
Q85	Q85	Q85	Q85
Q86	Q86	Q86	Q86
Q87	Q87	Q87	Q87
Q88	Q88	Q88	Q88
Q89	Q89	Q89	Q89
Q90	Q90	Q90	Q90
Q91	Q91	Q91	Q91
Q92	Q92	Q92	Q92
Q93	Q93	Q93	Q93
Q94	Q94	Q94	Q94
Q95	Q95	Q95	Q95
Q96	Q96	Q96	Q96
Q97	Q97	Q97	Q97
Q98	Q98	Q98	Q98
Q99	Q99	Q99	Q99
Q100	Q100	Q100	Q100



**GEOLOGICAL SURVEY OF CANADA**  
DEPARTMENT OF ENERGY, MINES AND RESOURCES

**MAP 1354A**  
**MINERAL DEPOSITS MAP**  
**NIOBIUM AND TANTALUM IN CANADA**

Scale 1:5,000,000

Miles 0 100 200 300  
Kilometres 0 100 200 300

LAMBERT CONFORMAL CONIC PROJECTION, STANDARD PARALLELS 49°N AND 74°N

- LEGEND**
- Contact metamorphic
- Engelbrecht placers
- Granitic gneiss
- Berylum
- Berylum-ilmenite
- Lithium
- Lithium-sulphate
- Molybdenum
- Tantalum
- Megacrystic titanite-bearing gneiss
- Phenocrystic amphibolite
- Synthetic pegmatite
- Mine or mineral prospect
- Fault
- Boundary of mineralized area
- Regional belt contacts
- Clastic coverments
- OROGENES**  
(see on Map 1251A)
- COLUMBIAN (C)**, folding and granitic intrusion during the late Paleozoic - early Carboniferous
- CTE** - Upper Mississippian - Permian folded during the Carboniferous and related during the Columbian
- CEM, CEH** - Upper Mississippian - Upper Devonian
- MASSIAN (M)**, folding and granitic intrusion during the Middle Jurassic (see on Map 1251A)
- HTA** - Permian and older, folded during the Taharian and related during the Assuan
- Hudsonian (H)**, folding and granitic intrusion during the late Paleozoic
- Hg** - Erupted mainly during the Hudsonian
- Hg+** - Aphanitic and/or Archaean
- XENORAN (X)**, folding and granitic intrusion during the late Archaean
- Ka** - Archaean

**EXPLANATORY NOTES**

The background geology is printed in grey on 1250A, Geological Map of Canada.

The numbered primary quadrangles of the National Topographic System are outlined on the grey base.

English River, Ontario and Arctic Orogenic Belts from F.S. & L. Econ. Geol. No. 1, GSC Report, 1970, p. 143-145.

Compiled by K.R. Dawson

To accompany Economic Geology Report No. 29 by K.R. Dawson

Cartography by the Geological Survey of Canada

