



**NIAGARA PENINSULA GEOLOGICAL SOCIETY**  
**Canadian Shield Treasures Touch Table - Appendix C – Specimens**  
*list with locations*

**Specimens:**

**Granites (6)**

*Granites are found in all 3 geologic provinces that make up the Canadian Shield*

*- Superior Province ~3.4-2.6 billion*

*years ago*

*- Southern Province ~2.5-1.1 billion*

*years ago*

*- Grenville Province ~1.8 billion-980 million years ago*

1. Granite (4)

(1 slab & 1 rough-Bancroft area, 2 other roughs-Beryl Pit, Quadeville)

2. Porphyry (1) - Bancroft area

3. Graphic Granite (1) - near Perth

*Granite is made up of 3 main minerals - mica, feldspar, and quartz.*

**Micas (9)**

4. Annite (1 large-Bancroft area, 3 small-Rutter Pluton, French River)

5. Lepidolite, muscovite, & fuchsite micas in granite (3) - Beryl Pit, Quadeville

6. Phlogopite (1) - Lacey Mine

7. Biotite Gneiss (1) Rutter Pluton, French River

**Feldspars (10)**

8. Orthoclase (3) - Beryl Pit, Quadeville

9. Plagioclase (1) - Bancroft area

10. Albite (1) - Bancroft area

11. Cleavelandite (1 flat, 3 platy) - Beryl Pit, Quadeville

12. Bytownite (1) - Bancroft area

**Quartzes (9)**

13. Clear Quartz crystals (2) - Bancroft area

14. Milky Quartz (3) - Bancroft area

15. Smoky Quartz (1) - Bancroft area

16. "Everything" rock (3) - Bancroft area

**Feldspathoids (3)**

*Alkalic complexes are essentially granitic in nature, except, they're lower in quartz content.*

17. Aegerine / Nepheline (1) Rutter Pluton, French River

18. Syenite / Cancrinite (with aegerine & nepheline) (1) Rutter Pluton, French River

19. Sodalite (1) Rutter Pluton, French River

*(The GRANITE & ALKALIC portion of the Canadian Shield Treasures makes up 2 boxes - 37 specimens.)*

**Gemstones (47)**

*Bancroft is known as the gemstone capital of Ontario - but it's not the only location in Ontario. Thunder Bay is famous for amethyst.*

20. Beryl, blue green (2) - Beryl Pit, Quadeville

21. Tourmaline (6) - Beryl Pit, Quadeville

22. Scapolite (4) - Bancroft area

23. Garnet (5 singles, 4 grouped) - Marmoraton Mine

24. Apatite (4) (single brown-red crystal-Silver Crater Mine, 3 others-Bancroft area)

25. Fluorite (5) - (green crystal-Wild Horse Ranch, Arizona (a USA portion of the Grenville Province), 3 pale yellow crystals-Bancroft area, deep purple small crystals-Sunrise Vein)

26. Serpentinite (1) - near Madoc



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27. Jade, black (1) - Fraser River, British Columbia
28. Diopside (1) - Canadian Wollastonite Mine
29. Amazonite (3) - Beryl Pit, Quadeville
30. Labradorite (2) (1-Bancroft area, 1-Labrador)
31. Moonstone (1) - Beryl Pit, Quadeville
32. Rose Quartz (1) - Rose Quartz Mine, Quadeville
33. Amethyst (6) - Thunder Bay area
34. Citrine (1) - Bancroft area

*(The GEMSTONES portion of the Canadian Shield Treasures makes up 2 boxes - 47 specimens.)*

***Banded Iron Formations (12)***

*BIFs are found in both the Southern & Superior Provinces.*

*Current research indicates that these may be “first life” sites. Microfossils are found in the iron layers.*

35. Banded Iron (6) (3 large-Gunflint Formation, Thunder Bay, 3 small-Abitibi Gold Belt, Timiskaming)
36. “Red” Jasper (2) - Gunflint Formation, Thunder Bay
37. Greenalite (1) - Gunflint Formation, Thunder Bay
38. Hematite (1) - Ontario
39. Magnetite (2) - Marmoraton Mine

***Precious Metals (8)***

*Gold and silver in Ontario is found mainly in the Superior Province.*

40. Gold indicators (4 core samples) - Abitibi Gold Field

41. Sericite schist (2) - Hemlo Gold Field
  42. Granite w/epidote (gold indicator) (1) - Hemlo Gold Field
  43. Silver (1) - Silver City, Cobalt
- Metals (11)***
- Northern Ontario is a metals haven - the most famous is the Abitibi Gold Belt, which stretches into Québec - but not the only gold field.*
44. Pyrite (5) - Marmoraton Mine, Marmora
  45. Chalcopyrite (1) - Marmoraton Mine
  46. Specularite (1) - Gagnon, Québec
  47. Bog Iron (1) - English River
  48. Copper (1) - Michigan
  49. Molybdenite (1) - Hastings County
  50. Psilomelane (1) - Bancroft area

*(The METALS portion of the Canadian Shield Treasures makes up 2 boxes - 31 specimens.)*

***Metamorphics - Igneous & Sedimentary (24)***

51. Basalt (1) - Ontario
52. Diabase (2) - Ontario & Little Pig Vein, Thunder Bay
53. Breccia (1) - Coldwell Alkalic Complex, Marathon
54. Hornblende (1) - Ontario
55. Axinite (1) - Marmoraton Mine
56. Wollastonite (2) - Canadian Wollastonite Mine, Kingston
57. Talc (2) - Canada Talc Mine, Madoc
58. Marble (6) (mounted & slab-Bancroft area, transitional-McKellar Township, pink-Canadian



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- Wollastonite Mine, Kingston, 2 with  
galena-Frontenac Lead Mine,  
Kingston)
59. Slate (1) - Ontario
  60. Strontianite (1) - National Limestone  
Quarry, Pennsylvania
  61. Potsdam Sandstone (2) - Ellisville  
“Potsdam Sandstone” Quarry,  
Kingston
  62. “red” quartz (1) - Kingston area
  63. Quartzite (3) (white specimen  
LaCloche Mountains, Lorrain  
Formation

*(The METAMORPHICS  
portion of the Canadian  
Shield Treasures makes up  
2 boxes - 24 specimens.)*

**Total 139 specimens**

**Documentation:**

1. Loan Agreement (in advance to  
borrower)
2. Addendum (2 copies)  
*To be signed at time of pick up.*

**Display Materials:**

1. Interpretive Display Sign
2. Interpretive Binder
3. Guest Book
4. Pick me up signs (2)
5. Specimen cards
6. Table cloth

**Transportation Materials:**

1. Boxes (8 boxes maximum + 1 display  
sign box)

**Canadian Shield** can be  
borrowed as 4 separate  
tables:

a) Granite & Alkalic  
minerals

b) Gemstones

c) Metals

d) Metamorphic minerals

2. Packing material

*When repacking, please try your best to  
ensure that specimen signs are with the  
specimens and laid flat. Thanks.*