

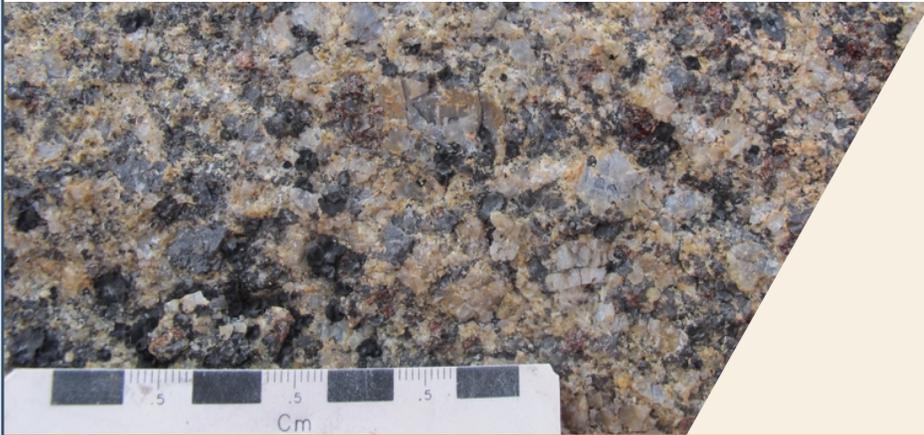


Natural Resources
Canada

Ressources naturelles
Canada

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**SYLVIA GRINNELL
LAKE (NORTH)**
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2016

Canada 

ደብዳቤው የሚያስተላልፍበት ሁኔታ ለሁሉም ገጾች ለማረጋገጥ ማስፈሰፍ ይገባል። ይህም የሚለየው የሚገኝበት ሁኔታ ለሁሉም ገጾች ለማረጋገጥ ማስፈሰፍ ይገባል። ይህም የሚለየው የሚገኝበት ሁኔታ ለሁሉም ገጾች ለማረጋገጥ ማስፈሰፍ ይገባል።

የሚገኘው የሚገኝበት ሁኔታ ለሁሉም ገጾች ለማረጋገጥ ማስፈሰፍ ይገባል። ይህም የሚለየው የሚገኝበት ሁኔታ ለሁሉም ገጾች ለማረጋገጥ ማስፈሰፍ ይገባል። ይህም የሚለየው የሚገኝበት ሁኔታ ለሁሉም ገጾች ለማረጋገጥ ማስፈሰፍ ይገባል።

ደብዳቤው የሚያስተላልፍበት ሁኔታ ለሁሉም ገጾች ለማረጋገጥ ማስፈሰፍ ይገባል።

ለገጽ 1

ደብዳቤው የሚያስተላልፍበት ሁኔታ ለሁሉም ገጾች ለማረጋገጥ ማስፈሰፍ ይገባል። ይህም የሚለየው የሚገኝበት ሁኔታ ለሁሉም ገጾች ለማረጋገጥ ማስፈሰፍ ይገባል። ይህም የሚለየው የሚገኝበት ሁኔታ ለሁሉም ገጾች ለማረጋገጥ ማስፈሰፍ ይገባል።

tectonostratigraphically ናድሮኒ-ግራኒት ደብዳቤ Lake Harbour Group ለውጫ ከሌሎች ያልተለየው ሳሊክላስቲክ ክፍለ-መድሃኒቶች ስር ይገኛል።

Metagreywacke (ልዩ ስም ያልተሰጠ PPL)

Metagreywacke በበጎት ለሆነው ደብዳቤ ደብዳቤ ከሌሎች የተለየው ክፍለ-መድሃኒቶች ከሌሎች የተለየው ሳሊክላስቲክ ክፍለ-መድሃኒቶች ስር ይገኛል። ሳሊክላስቲክ ክፍለ-መድሃኒቶች ከሌሎች የተለየው ክፍለ-መድሃኒቶች ስር ይገኛል።

Paleoproterozoic mafic-ultramafic sills (ልዩ ስም ያልተሰጠ PLHu-PLHd)

ደብዳቤ ከሌሎች የተለየው ሳሊክላስቲክ ክፍለ-መድሃኒቶች ስር ይገኛል። mafic-ግራኒት ሳሊክላስቲክ ክፍለ-መድሃኒቶች ከሌሎች የተለየው ክፍለ-መድሃኒቶች ስር ይገኛል። (Liikane et al., 2015) ሳሊክላስቲክ ክፍለ-መድሃኒቶች ስር ይገኛል።

Paleoproterozoic metaplutonic suite (ልዩ ስም ያልተሰጠ Pg-Psb)

Gabbro (ልዩ ስም ያልተሰጠ Pg)

ከሌሎች የተለየው ሳሊክላስቲክ ክፍለ-መድሃኒቶች ስር ይገኛል። pegmatitic, kilometre-scale, layered biotite-clinopyroxene-magnetite±hornblende gabbro plutons ለሌሎች የተለየው ክፍለ-መድሃኒቶች ስር ይገኛል።

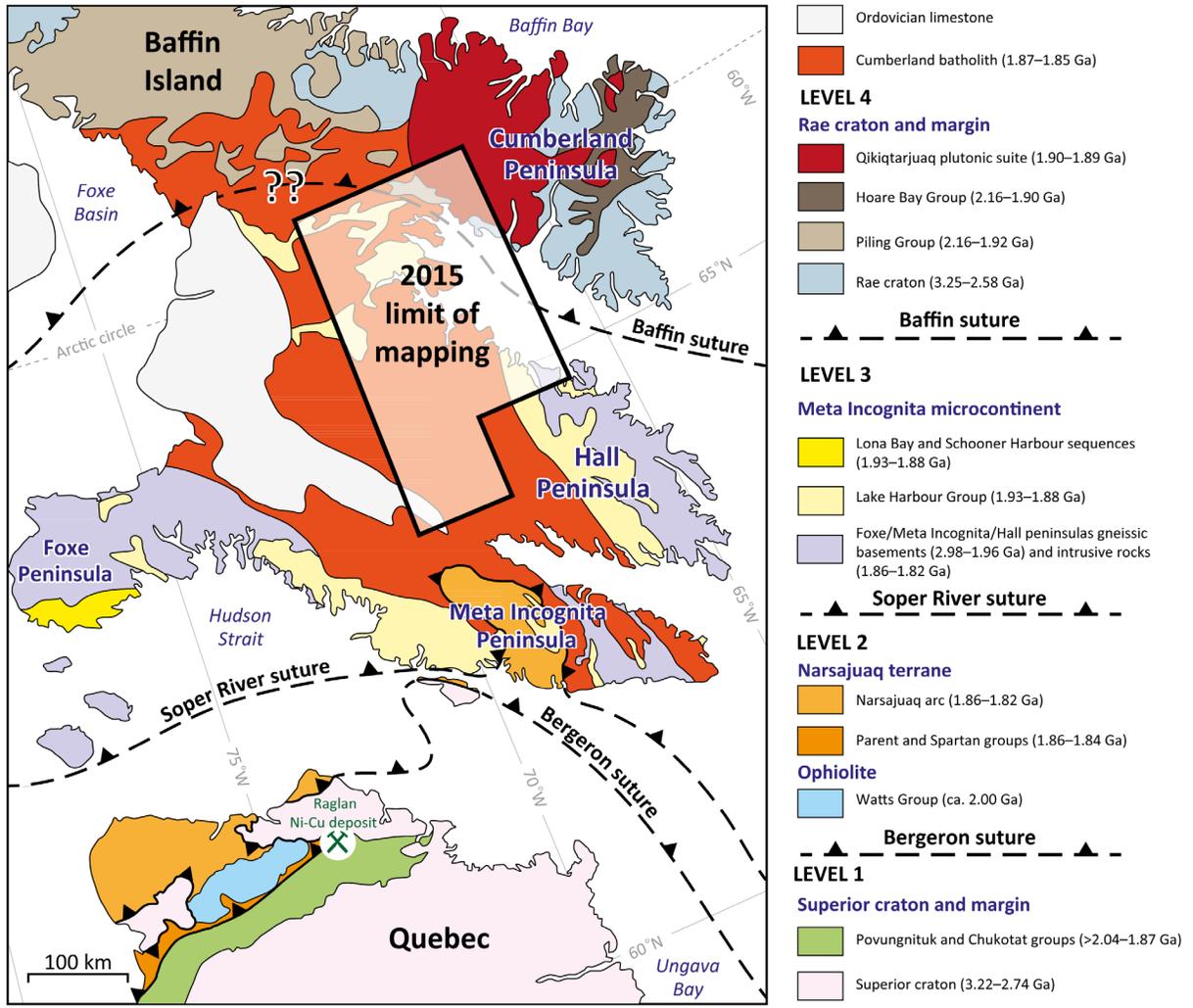
Quartz diorite (ልዩ ስም ያልተሰጠ Pd)

Quartz diorite ከሌሎች የተለየው ሳሊክላስቲክ ክፍለ-መድሃኒቶች ስር ይገኛል። biotite-clinopyroxene-orthopyroxene±hornblende. ክፍለ-መድሃኒቶች ስር ይገኛል።

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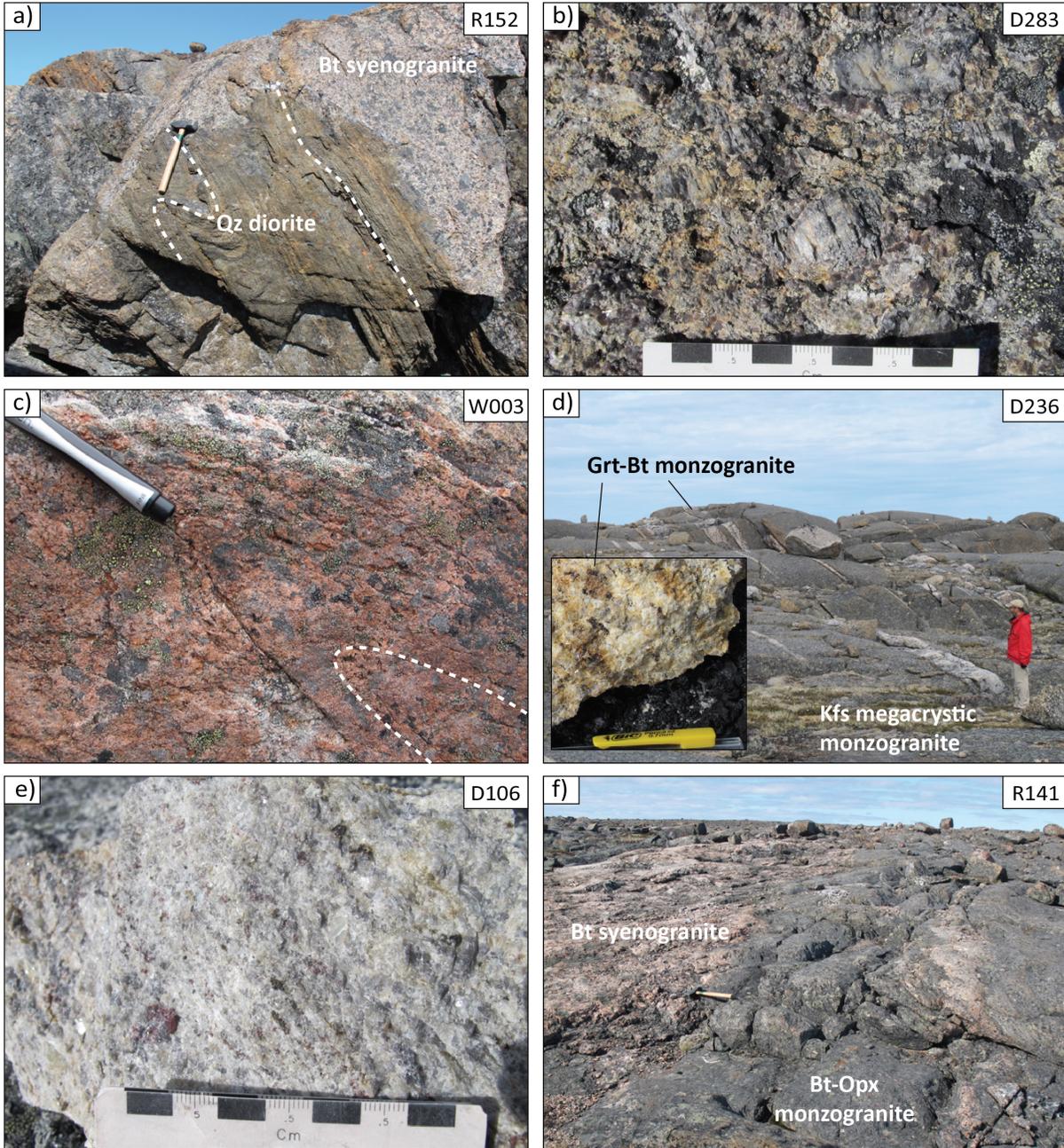


Ճեօլոգիական քարտեզը ցույց է տալիս Կանադայի արևելյան շրջանի տեկտոնիկ միավորները և ստրուկտուրալ սահմանները (Baffin, Soper River, Bergeron sutures)։ Կարգավորված է ժամանակակից հիմնարկի (LEVEL 1-4) և տարբեր ժամանակակից խմբերի (Cumberland, Qikiqtarjuaq, Hoare Bay, Piling, Lona Bay, Lake Harbour, Watts, Parent and Spartan) հիմնարկի վրա։ Կարգավորված է 2015 թվականի քարտեզի սահմանը (2015 limit of mapping)։

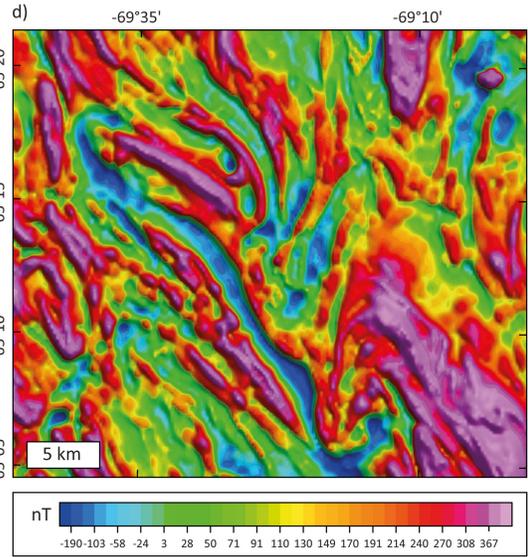
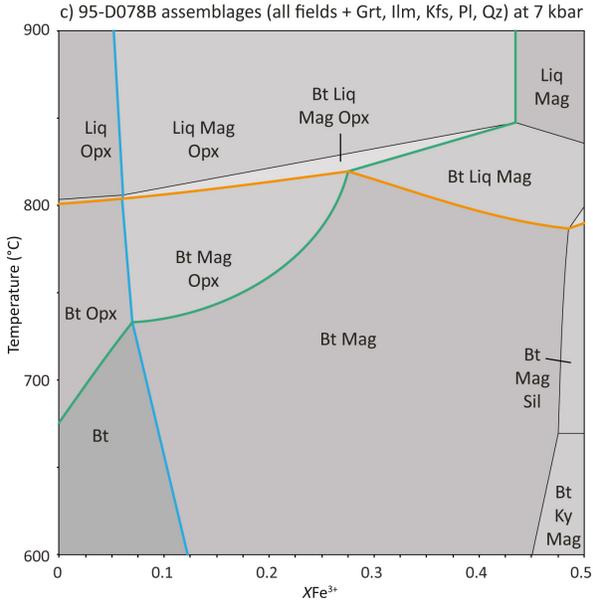
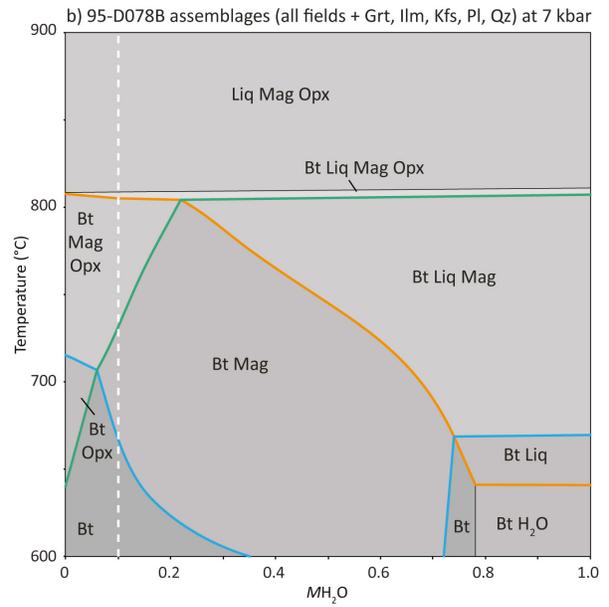
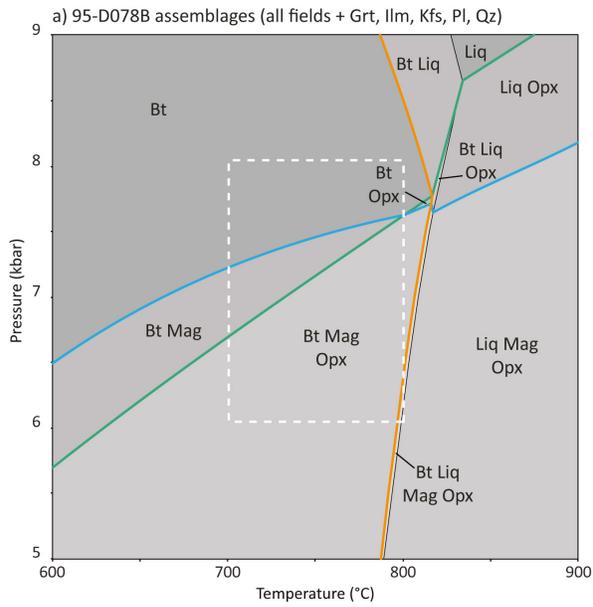
Trans-Hudson Orogen (Վերջին քարտեզի հեղինակ՝ St-Onge և ընկերակիցները, 2007), Կանադայի արևելյան շրջանի տեկտոնիկ միավորները և ստրուկտուրալ սահմանները (Baffin, Soper River, Bergeron sutures)։ Կարգավորված է ժամանակակից հիմնարկի (LEVEL 1-4) և տարբեր ժամանակակից խմբերի (Cumberland, Qikiqtarjuaq, Hoare Bay, Piling, Lona Bay, Lake Harbour, Watts, Parent and Spartan) հիմնարկի վրա։ Կարգավորված է 2015 թվականի քարտեզի սահմանը (2015 limit of mapping)։



Վերջնական 3. Վերջնական ՇժԿԵՆԻՐԻՆԻՍ ՏԵՆԵՆՆԵՐԻՍ Sylvania Grinnell Lake–Clearwater Fiord. ՈՐՈՇԵՆԵՆԵՆԵՆԻՐ ՁԿԵՆԻՐ ՇԵՆՆԵՆԻՐ ՈՐՈՇԵՆԻՐ ՎՈՐ ՎԵՐՋԻՆԱՆԻՐ 15SAB-ՆԵՆԵՆԻՐ: a) 10 m ՇժԿԵՆ ՂՇԻՐՏժ զվարտիտ ընթացիկ բիոտիտ-ՂՇԻՐ ընթացիկ: b) ԻժՇՆԻՐՈՒՄՆԵՆԻՐ զվարտիտ ձվարտիժ ՏԵՆԵՆԻՐ ԼԻՆՏ ձվարտիժ: c) ՇժԿԵՆԻՐԻՐ 1–2 cm ՎՈՐՆԵՆԻՐ ընթացիկ՝ ՎԵՆԵՆԻՐ ձվարտիժ ԻՐՏԻՐ ՎԵՐՋԻՆԱՆԻՐ ԻՐՏԻՐ ՎԵՐՋԻՆԱՆԻՐ ԻՐՏԻՐ ՎԵՐՋԻՆԱՆԻՐ biotite ՎԵՐՋԻՆԱՆԻՐ sillimanite: d) ՆԵՆԻՐՈՒՄՆԵՆԻՐ ձվարտիժ ձվարտիժ ձվարտիժ biotite-orthopyroxene monzogranite: e) ԿՈՒՐՈՒՄ: ՏԵՆԵՆԻՐ ձվարտիժ ձվարտիժ ձվարտիժ ձվարտիժ, ՇԵՆՆԵՆԻՐ: ԵՆԻՐՆԵՆԻՐ ԻՐՏԻՐ ՎԵՐՋԻՆԱՆԻՐ ՆԵՆԻՐՈՒՄՆԵՆԻՐ, diopside ՎԵՐՋԻՆԱՆԻՐ phlogopite: f) ձվարտիժ ձվարտիժ metagreywacke ձվարտիժ biotite monzogranite:



Վնթագրք 5. Ձառձնիկի վնթագրքի metagranitoid-ժ Sylvania Grinnell Lake–Clearwater Fiord-Դ. Ունիայի անտիքի ձևի Շոտլանդիայի Կոլմոնտո ժրտի Վնթագրքի 15SAB- նիկի ձևի. a) Ձառձնիկի Լուրիկի Կվարտզ դիորիտի և Գրանիտային սյենոգրանիտի. b) նիկի K-ֆելդսպար մեգակրիստիկ մոնոզոգրանիտի 3-6 րձի Կոլմոնտո ձևի րապակի նիկի. c) նիկի սիլիմանիտ-օրթոփոքսեն մոնոզոգրանիտի. d) նիկի K-ֆելդսպար մեգակրիստիկ մոնոզոգրանիտի և Գրանիտային սյենոգրանիտի և Գրանիտային սյենոգրանիտի 1.8 մ շրջանի 1-3 րձի Կոլմոնտո ձևի Գրանիտային սյենոգրանիտի և Գրանիտային սյենոգրանիտի. e) նիկի Գրանիտային սյենոգրանիտի և Գրանիտային սյենոգրանիտի. f) նիկի Գրանիտային սյենոգրանիտի և Գրանիտային սյենոգրանիտի 35 սմ շրջանի.



ᐃᓄᓐᓂᓄᓐᓂᓄᓐ 6. ᐃᓄᓐᓂᓄᓐᓂᓄᓐ ᐃᓄᓐᓂᓄᓐᓂᓄᓐ ᐃᓄᓐᓂᓄᓐᓂᓄᓐ monzogranite, ᐃᓄᓐᓂᓄᓐᓂᓄᓐ metagranitoid amphibolite-granulite ᐃᓄᓐᓂᓄᓐᓂᓄᓐ ᐃᓄᓐᓂᓄᓐᓂᓄᓐ: a) P-T ᐃᓄᓐᓂᓄᓐᓂᓄᓐ; b) T-MH₂O ᐃᓄᓐᓂᓄᓐᓂᓄᓐ; c) T-XFe³⁺ ᐃᓄᓐᓂᓄᓐᓂᓄᓐ; d) ᐃᓄᓐᓂᓄᓐᓂᓄᓐ ᐃᓄᓐᓂᓄᓐᓂᓄᓐ biotite±magnetite±orthopyroxene monzogranite ᐃᓄᓐᓂᓄᓐᓂᓄᓐᓂᓄᓐ.

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