ᓄᓇᓂ ᖃᐅᔨ ᓴᖅᑎ M.R.St-Onge,O.M.W e lle r,B.J.Dyc k,N.M.Rayne r,T.Chad wic k,ᐊᒻᒪ
D.L iikane,ᓄᓇᙳ ᐊ ᓕᕆ ᓂᕐᒧᑦᖃᐅ ᔨ ᓴᖅᑏ ᑦᑲ ᓇᑕᒥ;S.Noble -Nowd luk,T.Milton,ᐊᒻᒪ
T.Rowe,ᓄᓇᕗᑦᒐᕙᒪᒃᑯᑦ,2015

ᓄᓇᒥ ᖃᐅ ᔨ ᓴᕐᓂᕐᒧᓇᓗ ᓇᐃ ᔭᐃ ᔪᖅ M.R.St-Onge ᐊᒻᒪᑎᑎᕋᖅᑕᐅ ᒃᑲ ᓐᓂᖅᑐᑦᐆᒧᖓ
M.R.St-Onge ᐊᒻᒪ O.M.W e lle r,2015

ᓄᓇᒥ ᖃᐅ ᔨ ᓴᓂᕐᒧᑦᒪᓕᓐᓂᐊ ᖅᑐᖅ ᐱᓕᕆ ᐊᒧᑦᖁᐊ ᖑᐃ ᓐᓇᖅᑐᓂᑦᑐᑭᓯ ᒋᐊ ᕈᑎᓂᑦ,ᕚᓯ ᖓ 2.6

ᓄᓇᖑᐊ ᓕᐊ ᖅᑏ ᑦA.Morin,A.Ford,C.Gilbe rt,L.Robe rtson,G.Bulle r,ᐊᒻᒪ R.Bue nviaje

1stEDITIO N

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EDITIO N

T rue |256E|Ge ology|Am ittok L ake (south)|Baffin Island,Nunavut|St-Onge,M.R.,W e lle r,O.M.,Dyc k,B.J.,Rayne r,N.M.,Chad wic k T.,and L iikane,D.|False |False |T rue |1|2|Canad ian Ge osc ie nc e Map|256E|Ge ologic alSurve yof Canad a|GSC|NaturalRe sourc e sCanad a|Ope n File Map|2016-13E|Canad a-NunavutGe osc ie nc e Offic e |CNGO||

GSC ᑲᓇᑕᒥᓄᓇᓂᑦᖃᐅᔨᓴᓂᕐ ᒧᑦᓄᓇᙳ ᐊᖅ 256S•CNGO ᒪᑐᐃᖓ ᔪᖅ ᓄᓇᖑᐊᖅ 2016-13S

GSC ᑲᓇᑕᒥᓄᓇᓂᑦᖃᐅᔨᓴᓂᕐ ᒧᑦᓄᓇᙳ ᐊᖅ 256S•CNGO ᒪᑐᐃᖓ ᔪᖅ ᓄᓇᖑᐊᖅ 2016-13S

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ᑐᕌ ᒐᕆ ᔭᖏ ᑦᓄᓇᖑᐊ ᓕᐅᓂᕐᒧᑦᓂᒋᖓ ᓂ ᕿᑎᐊ ᓂ ᕿᑭᖅᑖᓗ ᒃ2015ᐱᐅᓯ ᑎᒋᐊ ᖅᑕᐅ ᓗ ᓂ ᐅ ᔭᖅᑲ ᓂᑦᖃᐅ ᔨ ᓴᓂᕐᒧᑦᖃᐅ ᔨ ᒪᔭᐅ ᔪᑦ
ᑎᑎᕋᖅᑕᐅᓯ ᒪᔪᓪᓗ ᑮᓇᐅ ᔭᓕᐅ ᕋᓱᐊ ᕈᑎᔅᓴᐅ ᔪᓐᓇᖅᑐᓂᑦᐃ ᖃᓗ ᐃ ᑦᖃᓂᒋᔭᖓ ᓂᑦ.ᓄᓇᖑᐊ ᑦᑕᑯᔅᓴᐅ ᑎᑦᑎᔪᑦᓇᒦᓐᓂᖏ ᑦᓄᓇᖏ ᑦ
ᖃᓄᐃ ᓕᖓ ᓂᖏ ᑦ, ᐱᖃᓯ ᐅ ᑎᓪᓗ ᑎ ᐊ ᔾᔨ ᒌᖏ ᑦᑐᑦ ᐅ ᔭᖅᑲ ᐃ ᑦ ᐊ ᒻᒪ ᓄᓇᐃ ᑦ ᑲ ᑎᓂᖏ ᑦ. ᓄᓇᒥᑦ ᖃᐅ ᔨ ᓴᕐᓂᖅ
ᐊᔾᔨ ᒌᖏ ᑐᖏ ᓐᓇᐅ ᒐᓗ ᐊ ᖅᑎᓪᓗ ᒋᑦ ᐊᕕ ᑦᑐᖅᓯ ᒪᔪᓕᒫᓂᑦ, ᓄᓇᖑᐊᓕᒫᑦ ᐱᑕᖃᖅᑎᑦᑎᔪᑦ ᐊ ᑐᖅᑕᐅ ᒐᔪᑦᑐᓂᑦ: ᐊ ᒥᐊ ᓖᑦ ᐊ ᒻᒪ
ᑎᑎᖅᑲ ᖏ ᑦᓇᓗ ᓇᐃ ᖅᓯ ᓪᓗ ᑎ ᖃᓄᐃ ᑦᑑᓂᖏ ᑦᐅᔭᖅᑲ ᐃ ᑦᓄᓇᐅ ᑉ ᖄᖓ ᓃᑦᑐᑦ,ᑎᑎᑯᑖᔅᓯ ᒪᔪᑦᑲ ᑯᔅᓴᐅᑎᑦᑎᓗ ᑎ ᖃᓄᐃ ᑦᑑᓂᖓ
ᐊᒻᒪ ᓇᒦᓐᓂᖓ ᐊ ᑦᑐᕐᕕ ᒋᔭᖓ ᐊ ᒻᒪ ᓄᓇᐅ ᑉ ᑭᓪᓕᖏ ᑦ,ᑎᑎᑲ ᓪᓚ ᔅᓯ ᒪᔪᑦ ᑕᑯᔅᓴᐅᑎᑦᑎᓗ ᑎᑦ ᓇᒧᑦ ᖁᓕᕇ ᑦᑐᑦ ᐅ ᕕ ᖓ ᒻᒪᖔ ᑕ,
ᓄᓇᖑᐊ ᕐᓗ ᓇᓗ ᓇᐃ ᒃᑯᑕᐃ ᑦᓇᓗ ᓇᐃ ᔭᐃ ᔪᑦᐊ ᒥᐊ ᖏ ᓐᓂᑦᐊ ᒻᒪᓇᓗ ᓇᐃ ᒃᑯᑕᖏ ᑦᐊ ᑐᖅᑕᐅᔪᑦ.

Indᑕᑯᔅᓴᐅ ᓂᕆ ᔭᖏ ᑦᓄᓇᖑᐊ ᓂᑦᐊ ᒥᐊ ᖏ ᑦ.ᐊ ᑐᓂ ᐊ ᒥᐊ ᖏ ᑦᑭᒡᒐᖅᑐᐃ ᔪᑦᐊ ᔾᔨ ᒌᖏ ᑦᑐᓂᑦᓄᓇᓂᑦᖃᐅᔨ ᓴᓂᕐᒧᑦᐊ ᕕ ᑦᑐᖅᓯ ᒪᔪᑦ
ᓄᓇᓂᑦᖃᐅ ᔨ ᓴᓂᕐᒧᑦᐊᕕ ᑦᑐᖅᓯ ᒪᔪᑦᐊ ᖏ ᓂᕆ ᔭᖓ ᓇᓗ ᓇᐃ ᖅᑕᐅ ᓯ ᒪᔪᒥᑦᐅ ᔭᖅᑲ ᐃ ᑦᖃᓄᐃ ᑦᑑᓂᖏ ᓐᓄᑦᐊ ᕐᕌᒍᖏ ᓪᓗ.ᓄᓇᓂᑦ
ᖃᐅ ᔨ ᓴᓂᕐᒧᑦ ᐊ ᕕ ᑦᑐᖅᓯ ᒪᔪᑦ ᐊ ᑎᖃᐅ ᖅᑐᑦ ᐊ ᒻᒪ ᓇᓗ ᓇᐃ ᖅᑕᐅ ᓯ ᒪᔪᑦ ᐅᔭᖅᑲ ᓂᑦ ᖃᐅ ᔨ ᓴᖅᑎᓄᑦ ᓄᓇᖑᐊ ᓕᐅ ᖅᐸ ᑦᑐᑦ,
ᑐᓐᖓ ᓂᐊ ᖅᑐᑎᑦ ᑕᑯᔭᐅᓂᖏ ᓐᓄᑦ ᐅ ᔭᖅᑲ ᐃ ᑦ ᖃᐅ ᔨ ᓴᕐᕕ ᐅ ᔪᓂᑦ ᐊ ᒻᒪ ᖃᐅ ᔨ ᓴᖅᑕᐅ ᓂᖏ ᓐᓄᒧᑦ ᐅ ᔭᖅᑲ ᐃ ᑦ ᐊ ᕐᕌ ᒍᖏ ᓐᓂᑦ.
ᐃ ᓚ ᒋᐊᕐᓗ ᒍ ᐊ ᒥᐊ ᓕᓐᓄᑦ,ᐊ ᑐᓂ ᐊ ᕕ ᑦᑐᖅᓯ ᒪᔪᑦ ᑎᑎᖅᑲ ᖃᐅ ᖅᑎᑕᐅ ᔪᑦ ᐊᔾᔨ ᐅ ᖏ ᑦᑐᓂᑦ ᓄᓇᖑᐊ ᒥᑦ.ᓇᓄᓇᐃ ᒃᑯᑕᕆ ᒐᔪᑦᑕᖏ ᑦ
ᐊᖏ ᔪᑦ ᑎᑎᖅᑲ ᐃ ᑦᑭᖑᓕᕆ ᓪᓗ ᓂᒋᑦ ᐊ ᖏ ᔫᑎᒃᑲ ᓐᓃᑦ ᑎᑎᖅᑲ ᐃ ᑦ ᒥᑭᔫᑕᐅᓂᖅᓴᐅ ᓗ ᑎᓘ ᓐᓃᑦ.ᓯ ᕗᓪᓕᖅᐹᖅ ᑎᑎᖅᑲ ᖅ ᐊ ᖏ ᔪᖅ
ᑭᒡᒐᖅᑐᐃ ᔪᖅ ᐊ ᕐᕌ ᒍᖓ ᓂᑦᓄᓇᒥ ᖃᐅ ᔨ ᓴᓂᕐᒧᑦᐊ ᕕ ᑦᑐᖅᓯ ᒪᔪᖅ. ᓄᓇᓂᑦᖃᐅ ᔨ ᓴᖅᑕᐅ ᔪᑦᐊ ᑎᖃᐅ ᖅᑐᑦᐊ ᒻᒪᓇᓗ ᓇᐃ ᔭᖅᑕᐅ ᓯ ᒪᔪᑦ
ᐅᔭᖅᑲ ᓂᑦᖃᐅ ᔨ ᓴᖅᑎᒧᑦᓄᓇᖑᐊ ᓕᐅ ᖃᑦᑕᖅᑐᖅ,ᑐᓐᖓ ᓂᖃᖅᑐᑎᑦᐅᔭᖅᑲ ᓂᑦᑕᑯᔭᖏ ᓐᓂᑦᖃᐅᔨ ᓴᕐᕕ ᐅ ᔪᒥᑦᖃᐅ ᔨ ᓴᖅᑕᐅ ᓪᓗ ᑎᓪᓗ
ᐊᕐᕌ ᒍᖏ ᑦ ᐅ ᔭᖅᑲ ᐃ ᑦ. ᐃ ᓚ ᒋᐊ ᕐᓗ ᒍ ᐊ ᒥᐊ ᖏ ᓐᓄᑦ, ᖃᐅᔨ ᓴᕐᕕ ᐅ ᔪᑦ ᐊ ᕕ ᑦᑐᖅᓯ ᒪᔪᑦ ᑎᑎᖅᑲ ᖃᖅᑎᑕᐅ ᔪᑦ ᐊ ᔾᔨ ᐅ ᖏ ᑦᑐᒥᑦ
ᓇᓗ ᓇᐃ ᒃᑯᖁᑕᖏ ᑦ. ᓇᓗ ᓇᐃ ᒃᑯᑕᕆ ᒐᔪᑦᑕᖏ ᑦ ᐊ ᖏ ᔪᑦ ᑎᑎᖅᑲ ᐃ ᑦ ᑭᖑᓂᐊ ᒍ ᐊ ᑕᐅᓯ ᖅ ᒪᕐᕉ ᓘ ᓐᓃᒃ ᐊ ᖏ ᔪᑦ ᑎᑎᖅᑲ ᐃ ᑦ
ᒥᑭᓂᖅᓴᐃ ᓘ ᓐᓃᑦᑎᑎᖅᑲ ᐃ ᑦ.ᓯ ᕗᓪᓕᖅᐹᖅ ᐊ ᖏ ᔪᖅ ᑎᑎᖅᑲ ᖅ ᓇᓗ ᓇᐃ ᖅᓯ ᔪᖅ ᐊ ᕐᕌ ᖓ ᐅᔭᖅᑲ ᓂᑦᖃᐅ ᔨ ᓴᕐᕕ ᐅᔪᖅ.ᐅ ᔭᖅᑲ ᓂᑦ
ᖃᐅ ᔨ ᓴᖅᑏ ᑦᐊ ᒡᒍᑐᖅᓯ ᒪᔭᖏ ᑦ ᓯ ᓚ ᕐᔪᐊ ᖅ ᖃᓄᐃ ᓘ ᖃᑦᑕᕐᓂᖓ ᐱᓕᐊ ᖏ ᓐᓃᑦᑐᓂᑦ ᐊ ᕐᕌ ᒍᖏ ᓐᓂᑦ. ᓇᓗ ᓇᐃ ᒃᑯᑕᓕᒫᑦ ᐊ ᖏ ᔪᓂᑦ
ᑎᑎᖅᑲ ᓂᑦᐱᒋᐊ ᕐᓂᖃᖅᑐᑦᓇᓗ ᓇᐃ ᖅᓯ ᔪᑦᐊ ᕐᕌᒍᖏ ᑦᐱᓕᐊ ᖏ ᓐᓃᑦᑐᓂᑦ:ᐆ ᑦᑑᑎᒋᓗ ᒍ { (Paleop roterozoic–2500ᑎᑭᑦᑐᒍ
1600ᒥᓕᐊ ᓐᐊ ᕐᕌᒍᐃ ᑦ),+ (Neop roterozoic–1000ᑎᑭᑦᑐᒍ 541ᒥᓕᐊ ᓐᐊ ᕐᕌ ᒍᐃ ᑦ),ᐅᕝᕙᓘ ᓐᓃᑦ / (Quaternary–2.58
ᒥᓕᐊ ᓐ ᐊ ᕐᕌ ᒍᐃ ᑦᐅ ᓪᓗ ᒥᒧᑦᑎᑭᑦᑐᒍ).ᐊ ᖏ ᔪᑦᑎᑎᖅᑲ ᐃ ᑦᑭᖑᓂᐊ ᓃᑦᑐᑦ ᓇᓗ ᓇᐃ ᖅᓯ ᔪᑦ ᐊᑎᖓ ᐊ ᕕ ᑦᑐᖅᓯ ᒪᔪᖅ,ᐱᑕᖃᕈᓂ.
ᒥᑭᓂᖅᓴᐃ ᑦ ᑎᑎᖅᑲ ᐃ ᑦ ᓇᓗ ᓇᐃ ᖅᓯ ᔪᑦᖃᓄᐃ ᑦᑑᓂᖏ ᑦ ᐅ ᔭᖅᑲ ᐃ ᑦ.ᓲ ᕐᓗ ᐅ ᔭᖅᑲ ᐃ ᑦ ᐊ ᑎᖃᖅᑐᑦ ᐊ ᕕ ᑦᑐᖅᓯ ᒪᔪᓂᑦ ᕿᑭᖅᑖᓗ ᒻᒥ
metasedimentary ᐅ ᔭᖅᑲ ᐅ ᔪᑦ ᑕᐃ ᔭᐅ ᔪᑦ "ᑭᒻᒥᕈᒻᒥ ᐱᓕᕆ ᔪᑦ".ᑕᐃ ᒪᐃ ᓐᓂᖓ ᓄᑦ {LHq ᓄᓇᖑᐊ ᒥᑦ ᓇᓗ ᓇᐃ ᒃᑯᑕᐅ ᒐᔭᖅᑐᖅ
ᑭᒻᒥᕈᒻᒧᑦᐱᓕᕆ ᔪᓄᑦᐅ ᔭᖅᑲ ᖅ q uartzite(ᓄᓇᒨᖅᓯ ᔪᑦ Paleop roterozoic−ᒥᑦ).ᐊ ᔾᔨ ᐸ ᓗ ᐊ ᓂᑦ,+d ᓇᓗ ᓇᐃ ᒃᑯᑕᐅ ᒐᔭᖅᑐᖅ
ᐊᑎᖃᖅᑎᑕᐅ ᖏ ᑦᑐᓄᑦᐊ ᕕ ᑦᑐᖅᓯ ᒪᔪᓄᑦᐅ ᔭᖅᑲ ᐃ ᑦdiabaseᐃ ᓕᓯ ᒪᔪᑦNeop roterozoic−ᖑᑎᓪᓗ ᒍ.

Indᒪᕐᕉ ᒃ ᐊ ᔾᔨ ᒌᖏ ᑦᑐᑦ ᐅ ᔭᖅᑲ ᓖᑦ ᓴᓂᓕᕇ ᑦᑐᑎᑦ ᑕᐃ ᔭᐃ ᔪᑦ ᑲ ᑎᓐᓂᖓ,ᐊ ᒻᒪ ᑖᓐᓇ ᓇᓗ ᓇᐃ ᖅᑕᐅ ᔪᖅ ᐊᔾᔨ ᒋᖏ ᑕᖏ ᓐᓂᑦ
ᑎᑎᖅᑕᐅ ᓯ ᒪᔪᓂᑦᓄᓇᖑᐊ ᒥᑦ. ᐊ ᔾᔨ ᒋᖏ ᓂᕆ ᔭᖏ ᓐᓄᑦᓅᑦᑕᐅ ᓯ ᒪᔪᑦ ᓴᓂᑦᑎᐊ ᖓ ᓄᑦ ᐃ ᒻᒥᓂᒃ ᑕᐃ ᒪᐃ ᓚ ᐅᖅᑎᓪᓗ ᒋᑦ ᑲ ᑎᓐᓂᖓ

ᐊᕕ ᒃᓯ ᒪᓂᖓ ᒍᑦ ᑲ ᑎᓐᓂᖃᖅᑐᖅ. ᐅᔭᖅᑲ ᐅ ᔪᖅ ᐊ ᓯ ᐊᓄᑦ ᐊ ᔭᐅ ᖅᑕᐅ ᒍᓂ (ᓲ ᕐᓗ ᐅ ᔭᖅᑲ ᐃ ᑦ granite ᐊᑦᑐᖃᑦᑕᐅᑎᒋᓪᓗ ᓂᐅ ᒃ
sedimentary strata)ᐊᑦᑐᕐᓂᕆ ᔭᖏ ᑦ ᐊ ᐅ ᓚ ᔾᔭᐃ ᓂᖃᖅᑐᑦ ᐊ ᑦᑐᕐᓂᖓ. ᐊ ᓯ ᐊ ᑦᑕᐅ ᖅ ᑕᑯᔅᓴᐅᑎᑕᐅ ᔪᑦ ᑐᑭᓕᐊ ᖅᑐᑦ ᓄᓇᓄᑦ
ᓄᓇᖑᐊ ᑦᐱᕆ ᒍᓐᓇᖅᑐᖅ.ᐃ ᓚ ᒋᐊ ᕐᓗ ᒍ ᓅᑦᑕᐅ ᓂᖏ ᓐᓄᑦᑲ ᑎᓐᓂᖏ ᓐᓄᑦ,ᓄᓇᓕᕆ ᓂᕐᒧᑦᐊ ᕕ ᑦᑐᖅᓯ ᒪᔪᑦᓂᐅᖓ ᓂᖃᕈᓐᓇᖅᑐᑦ
ᓴᖑᖓ ᓂᖃᒻᒪᕆ ᓪᓗ ᑎᑦ. ᑐᑭᓕᐊ ᖅᑐᑦ ᑎᑎᕋᖅᑕᐅᓯ ᒪᔪᑦ ᖄᖓ ᒎᖅᑐᓘ ᓐᓃᑦᑕᐃ ᔭᐅ ᔪᖅ ᐊ ᑦᑐᕐᕕ ᖏ ᑦ. ᑲ ᑎᕝᕕ ᓪᓗ ᐊ ᕆ ᔭᖓ ᓂᑦ,
ᑕᑯᔅᓴᐅ ᑎᑕᐅ ᔪᖅ ᑎᑎᑯᑖᔅᓯ ᒪᓪᓗ ᓂ,ᑭᓯ ᐊ ᓂ ᓇᓗ ᓇᐃ ᖅᓯ ᒪᑦᑎᐊᖏ ᑉᐸ ᑦ,ᑕᑯᔅᓴᐅᑎᑕᐅ ᔪᑦᑎᑎᖅᑕᐅᑲ ᐃ ᓐᓇᖃᑦᑕᖅᑐᓂ ᑐᑭᓕᐊ ᖅᑐᓂᑦ.
ᑎᑎᑯᑖᔅᓯ ᒪᔪᑦ ᓄᓇᖑᐊ ᒥᑦ ᐊ ᓯ ᔾᔨ ᖅᑕᐅ ᔪᓐᓇᖅᑐᖅ ᐊ ᓯ ᖏ ᓐᓄᑦ ᓇᓗ ᓇᐃ ᒃᑯᑕᓄᑦ ᑎᑎᑯᑖᔅᓯ ᒪᔪᒥᑦ (ᐱᖓ ᓱᓂᑦ ᓴᓂᕋᓕᒃ,ᒥᑭᔪᑦ
ᑎᑎᖅᓯ ᒪᔪᑦ,ᖃᔾᔪᓐᖑᐊ ᑦ,ᐊᓯ ᖏ ᓪᓗ)ᑐᑭᓯ ᒋᐊ ᕈᑎᖃᖅᑎᑦᑎᓂᖅᓴᐅ ᔪᑦᑎᑎᑯᑖᔅᓯ ᒪᔪᒧᑦ.ᐆ ᑦᑑᑎᒋᓗ ᒍ,ᑲ ᑎᓐᓂᖏ ᑦᐱᖓ ᓱᑦᓄᓇᐃ ᑦ
ᑕᑯᔅᓴᐅ ᑎᑦᑎᔪᖅ ᓴᓂᕋᖓ ᐱᖓ ᓱᓂᑦᓴᓂᕋᓕᓐᓂᑦᖁᕝᕙᕆ ᐊ ᖅᓯ ᒪᔪᖅ ᓴᓂᕌ ᓅᖅᑐᓂ ᐱᖓ ᓱᓂᑦᓴᓂᕋᓕᒻᒨᖏ ᑦᑐᖅ.ᐊ ᔾᔨ ᒌᖏ ᑦᑐᓕᒫᑦ
ᓇᓗ ᓇᐃ ᒃᑯᑕᐃ ᑦᑎᑎᖅᓯ ᒪᔪᓂᑦᓇᓗ ᓇᐃ ᔭᖅᓯ ᒪᔪᑦᓄᓇᖑᐊ ᑉᓇᓗ ᓇᐃ ᒃᑯᑕᖏ ᑦ.ᐊ ᑎᖃᖅᑐᑦᖁᓕᕇ ᑦᑐᑦᑕᑯᔅᓴᐅ ᑎᑕᐅᔪᑦᓄᓇᖑᐊ ᒥᑦ

ᑎᑎᑲ ᓪᓚ ᔅᓯ ᒪᔪᑦ ᕿᑭᖅᑕᑲ ᓪᓚ ᒥᓪᓗ ᓇᓗ ᓇᐃ ᒃᑯᑕᖓ.ᓇᓗ ᓇᐃ ᒃᑯᑕᐃ ᑦ ᐱᖓ ᓲ ᓕᖅᑲ ᖓ ᔪᑦ:ᑎᑎᑯᑖᔅᓯ ᒪᔪᖅ,ᓇᑦᑐᓂ ᑎᑎᖅᓯ ᒪᔪᖅ,
ᐊᒻᒪᓗ ᓈᓴᐅ ᑎᖓ.ᑎᑎᑯᑖᔅᓯ ᒪᔪᖅ ᑕᐃ ᔭᐃ ᔪᖅ ᑎᑎᖅᑕᐅᑐᐃ ᓐᓇᖅᑐᖅ,ᐊ ᒻᒪ ᑕᑯᔅᓴᐅ ᑎᑦᑎᔪᖅ ᖁᓕᕇ ᑦᑐᑦᓄᓇᒧᑦᓇᓕᒧᓐᓂᖃᖅᑐᑦ.
ᓅᔅᓯ ᒪᔪᓂᑦ ᓄᓇᐅᑉ ᖄᖓ ᓃᑦᑐᓂᑦ ᑐᕌ ᕐᓂᖃᖅᑐᖅ ᓄᓇᒧᑦ ᓇᓕᒧᓐᓂᖃᖅᑐᓂ,ᖃᓄᐃ ᑦᑐᑐᐃ ᓐᓇᐃ ᑦ ᐅ ᕕ ᖓ ᔪᓂᑦ ᑎᑎᖅᓯ ᒪᔪᑦ
ᑐᕌ ᕐᓂᖃᖅᑐᑦ ᓄᓇᒧᑦ ᓇᓕᒧᓐᓂᖃᖅᑐᑎᑦ (ᐃ ᓱᒪᒋᓐᖑᐊ ᑲ ᐃ ᓐᓇᕈᒃ ᐱᓱᑦᑎᓪᓗ ᑎᑦ ᖃᖅᑲ ᔮᑉ ᓴᓂᕌ ᒍᑦ,ᐅ ᐸ ᒐᔅᓴᐅ ᓂᐊ ᓴᑐᐃ ᓐᓇᖅᑐᖅ
ᖁᒻᒧᐊ ᒐᓂ ᐊ ᒻᒧᐊ ᒐᓂᓘ ᓐᓃᑦ,ᑭᓯ ᐊᓂ ᒪᑭᑕᑦᑎᐊ ᖅᑐᖅ).ᓇᐃ ᑦᑐᑦ ᑎᑎᖅᓯ ᒪᔪᑦ ᑕᐃ ᔭᐅ ᔪᑦ ᑎᑎᑲ ᓪᓚ ᔅᓯ ᒪᔪᑦ ᑐᑭᓕᐊ ᖅᑐᑦ,ᐊ ᒻᒪ
ᑕᑯᔅᓴᐅ ᑎᑦᑎᔪᖅ ᖁᓕᕇ ᑦᑐᑦᖃᓄᑎᒋ ᓯ ᕕ ᖓ ᒻᒪᖔ ᑕ.ᓈᓴᐅ ᑎᖓ ᑕᐃ ᔭᐃ ᔪᑦᑎᑎᑲ ᓪᓚ ᔅᓯ ᒪᔪᖅ,ᐊ ᒻᒪ ᑕᑯᔅᓴᐅᑎᑦᑎᔪᖅ ᖁᓕᕇ ᑦᑐᑦ
ᖃᓄᑎᒋ ᓯ ᕕ ᖓ ᒻᒪᖔ ᑕ, ᑎᕇ ᔅᑯᑎᒍᑦ, ᒪᓂᕋᑦᑐᒥᑦ. ᖁᑦᑎᓂᖅᓴᐅᑎᓪᓗ ᒍ ᓈᓴᐅ ᑎᖓ, ᓯ ᕕ ᖓ ᓂᖅᓴᐅ ᔪᖅ ᖁᓕᕇ ᓐᓂᖏ ᑦ,
ᑎᑎᖅᑕᐅ ᑐᐃ ᓐᓇᖅᓯ ᒪᔪᑦ ᓇᓗ ᓇᐃ ᒃᑕᐃ ᑦ ᐋᖅᑭᒋᐊ ᖅᑕᐅ ᔪᓐᓇᖅᑐᑦ ᑐᑭᓯ ᒋᐊᕈᑎᖃᖅᑎᑦᑎᑲ ᓂᕐᓂᐊ ᕐᒪᑦ ᓯ ᕕ ᖓ ᔪᒥᑦ ᖁᓕᕇ ᑦᑐᓂᑦ
ᑎᑎᑯᑖᔅᓯ ᒪᔪᑦᑕᐃ ᒪᐃ ᒍᓐᓇᑎᓪᓗ ᒋᑦ,ᐊ ᒻᒪᑖᒃᑯᐊ ᐊ ᓯ ᔾᔨ ᕈᑎᐅ ᔪᓐᓇᓗ ᓇᐃ ᔭᖅᓯ ᒪᔪᑦᓄᓇᖑᐊ ᑉᓇᓗ ᓇᐃ ᒃᑯᑕᖏ ᓐᓂ.

Indᓄᓇᒧᑦᓄᓇᖑᐊ ᓕᒫᑦᑎᑎᕋᖅᓯ ᒪᔪᖃᐅ ᖅᑐᑦᑕᐃ ᔭᐅᔪᑦᓄᓇᖑᐊ ᒧᑦᓇᓗ ᓇᐃ ᒃᑯᑕᐃ ᑦ,ᓇᓗ ᓇᐃ ᒃᑯᑕᖏ ᓐᓂ,ᐊ ᒥᓕᒫᖏ ᑦ ᐊ ᒻᒪ
ᓇᓗ ᓇᐃ ᒃᑯᑕᖏ ᑦ ᑕᑯᔅᓴᐅ ᑎᑕᐅ ᔪᑦ ᐊ ᒻᒪ ᓇᓗ ᓇᐃ ᔭᖅᑕᐅ ᓯ ᒪᓪᓗ ᑎᑦ.ᓄᓇᖑᐊ ᒧᑦ ᓇᓗ ᓇᐃ ᒃᑯᑕᐃ ᑦ ᐱᒋᐊ ᖅᓯ ᒪᔪᑦ ᑎᑎᕋᖅᓯ ᒪᔪᓂᑦ

ᑕᑯᔅᓴᐅ ᑎᑦᑎᔪᑦᐊ ᒥᐊ ᖓ ᑎᑎᖅᑲ ᖓ ᓗ ᐊ ᑐᓂ ᓄᓇᖑᐊ ᓕᒫᓂᑦ,ᐱᒋᐊᖅᓯ ᒪᓪᓗ ᓂ ᖁᓛ ᓂ ᐅ ᔭᖅᑲ ᖃᕈᕋᑖᕐᓂᖅᐹᖑᔪᑦ,ᐊᑎᖓ ᑦᑕᐅ ᑦ
ᐃ ᓛ ᒃᑰᖓ ᓂᖓ (ᐱᑕᖃᕈᓂ) ᐊᒻᒪ ᓇᓗ ᓇᐃ ᔭᖅᓯ ᒪᒐᓛ ᓐᓂᖓ ᖃᓄᐃ ᑦᑑᓂᖏ ᑦ ᐅᔭᖅᑲ ᐃ ᑦ ᐊ ᕕ ᑦᑐᖅᓯ ᒪᔪᒥᑦ, ᐊ ᔾᔨ ᒌᖏ ᑦᑐᑦ
ᖃᓄᐃ ᑦᑑᓂᖏ ᑦᓴᑎᑎᑯᑖᔅᓯ ᒪᔪᓂᑦᓄᓇᖑᐊ ᒥᑦᓇᓗ ᓇᐃ ᔭᖅᑕᐅ ᓯ ᒪᔪᑦ,ᐊ ᒻᒪ ᐊ ᔾᔨ ᒌᖏ ᑦᑐᓕᒫᑦᑎᑎᑲ ᓪᓚ ᔅᓯ ᒪᔪᑦᑐᑭᓕᐊ ᖅᑐᑎᑦᐊ ᒻᒪ
ᑕᖅᓴᐅ ᔮᖅᑐᑦ ᓇᓗ ᓇᐃ ᒃᑯᑕᐃ ᑦ. ᓄᓇᖑᐊ ᒧᑦ ᓇᓗ ᓇᐃ ᔭᖅᓯ ᒪᓂᖏ ᑦ ᓇᓗ ᓇᐃ ᔭᐃ ᓯ ᒪᓂᐊ ᕐᒥᔪᑦ ᖃᓄᐃ ᑦᑐᑐᐃ ᓐᓇᕐᓂᑦ ᐊ ᓯ ᖏ ᓐᓂᑦ
ᓄᓇᒧᑦᓇᓗ ᓇᐃ ᒃᑕᐃ ᑦᐊ ᑐᖅᑕᐅᔪᓂᑦᓄᓇᖑᐊ ᒥᑦ(ᐆ ᑦᑑᑎᒋᓗ ᒍ ᓇᒦᓐᓂᖏ ᑦᐅ ᔭᖅᑲ ᐃ ᑦᓇᓂᔭᐅᔪᑦ,ᓇᒦᓐᓂᖏ ᑦᓴᕕ ᕋᔭᑦᑎᐊ ᕙᐃ ᑦ,
ᐊᒻᒪ ᐊ ᓯ ᖏ ᑦ ᓄᓇᖓ ᓂᑦ ᑕᑯᔅᓴᐅᑎᑦᑎᔪᑦ ᐱᒻᒪᕆ ᐅ ᔪᓐᓇᖅᑐᑦ ᐊ ᕕ ᑦᑐᖅᓯ ᒪᔪᒧᑦ ᑎᑎᕋᖅᑕᐅ ᓯ ᒪᔪᑦ ᓄᓇᖑᐊ ᒥᑦ). ᐱ−ᔪᑎᒋᓪᓗ ᒍ
ᓄᓇᓕᕆ ᓂᐅ ᔪᖅ ᐊ ᕕ ᑦᑐᖅᓯ ᒪᔪᓕᒫᓂᑦᐊ ᔾᔨ ᒌᖏ ᑐᐃ ᓐᓇᐃ ᑦ,ᓄᓇᖑᐊ ᒧᑦᓇᓗ ᓇᐃ ᒃᑯᑕᐃ ᑦᐱᒻᒪᕆ ᐅ ᔪᖅ ᑐᑭᓯ ᑦᑎᐊ ᕐᓗ ᒍ ᓄᓇᖑᐊ ᖅ.

Indᖃᐅ ᔨ ᒪᕐᓂᐅᔪᖅ ᐊ ᒻᒪᓄᓇᖑᐊ ᓕᐅ ᕐᓂᖅ ᓂᒋᖓ ᓂ−ᕿᑎᐊ ᓂ ᕿᑭᖅᑖᓗ ᒃᓴᖅᑭᑎᑦᑎᓚ ᐅᖅᑐᑦᓇᒦᓐᓂᖏ ᓐᓂᑦmetasedimentary
ᐅᔭᖅᑲ ᐃ ᑦ(ᑭᒻᒥᕈᒻᒥ ᐱᓕᕆ ᔪᑦ;ᕗᓴᖑᐊᑦᐃ ᓛ ᒃᑰᖓ ᔪᑦ {LHq,{LHc,{LHs,{LHp;ᐳ ᑑᕆ ᔩᑦ;ᐊᒡᒍᖅᓯ ᒪᔪᓂᑦ {PL)ᐊ ᓯ ᐊ ᓄᑦ
ᐊᑦᑐᐊ ᓂᖃᕈᓐᓇᖅᑐᖅ ᐅ ᕝᕙᓘ ᓐᓃᑦᐅ ᔭᖅᑲ ᖃᖃᐅ ᖏ ᓪᓗ ᓂ MetaIncognitaPeninsula−ᒥᑦ.ᐊ ᒥᓱᒐᓚ ᐃ ᑦᑲ ᑎᓐᖓ ᐅ ᖅᑐᑦmagmatic
(sills)ᑎᑎᕋᖅᑕᐅ ᓚ ᐅ ᖅᑐᑦ ᐊ ᒻᒪ ᖃᐅ ᔨ ᓴᖅᑕᓪᓚ ᑐᐊ ᕆ ᔭᐅ ᓂᐊᖅᑐᑦ (ᓄᓇᖑᐊ ᑦ ᐊ ᒡᒍᖅᓯ ᒪᔪᑦ {LHu, {LHm, {LHd). ᑖᒃᑯᐊ
ᑮᓇᐅ ᔭᓕᐅ ᕋᓱᐊ ᕈᑎᔅᓴᐅᔪᓐᓇᕐᓂᖏ ᓐᓄᑦ ᐱᒻᒪᕆ ᐅ ᔪᑦ ᐃ ᓗ ᓕᖃᐅ ᕐᒪᑕ ᓴᕕ ᕋᔭᔅᓴᓖᑦ ᐅᔭᕋᓐᓂᐊ ᕋᔅᓴᐅ ᔪᓐᓇᖅᑐᑦ (sulp hides),ᐅ ᒻᒪ
ᓴᖅᑭᖃᑦᑕᕐᓂᖏ ᑦ ᓇᓗ ᓇᐃ ᖅᓯ ᔪᓐᓇᖅᑐᑦ ᐱᑕᖃᕐᓂᐊ ᓂᑦ ᑮᓇᐅ ᔭᓕᐅ ᕋᓱᐊ ᕈᑎᔅᓴᐅ ᔪᓐᓇᖅᑐᓂᑦ ᓴᕕ?ᔭᖃᕐᓂᖓ ᓂᑦ. ᐱᖓ ᓱᑦ
ᐅᔭᖅᑲ ᐃ ᑦᐊ ᔾᔨ ᒌᖏ ᑦᑐᓂᑦ ᐃ ᓗ ᓕᖃᐅ ᖅᑐᑦ ᐊ ᒻᒪ ᒪᕐᕈᐊ ᑎᖅᓯ ᒪᔪᖅ ᐆ ᓇᖅᓯ ᓂᒥᓂᖓ ᖃᐅ ᔨ ᔭᐅᓚ ᐅᖅᑐᑦ. ᑕᐃ ᒪᓐᓇᐃ ᑦᑐᑦ
ᑲ ᑎᓐᖓ ᓂᖓ ᒍᑦ ᐊᐅ ᓚ ᔾᔭᖃᑦᑕᐅᑎᒍᓐᓇᖅᑐᑦ ᐊ ᔾᔨ ᐸ ᓗ ᐊ ᓂᑦ ᓄᓇ ᓴᔪᑉᐱᓚ ᓐᓂᕆ ᓚ ᐅ ᖅᑕᖓ 1800 ᒥᓕᐊ ᓐ ᐊ ᕐᕌᒍᓕᖅᑐᑦ ᐊ ᒻᒪ
ᑎᑎᕋᖅᑕᐅᓯ,ᒪᔪᖅ ᑕᒪᒃᑭᓐᓂ ᐊ ᓯ ᐊ ᓂᑦᑕᐅ ᖅ ᕿᑭᖅᑖᓗ ᒻᒥᓘ ᓐᓃᑦ ᐊ ᒻᒪ ᐅ ᐊᓐᓇᖓ ᓂᑦ ᑯᕋᐃ ᒃ. ᑖᒃᑯᐊ ᖃᐅ ᔨ ᓴᕈᑕᐅᔪᑦ
ᐊᑐᖅᑕᐅ ᓂᐊ ᖅᑐᑦ ᐊ ᔾᔨ ᒌᓐᖑᐊ ᖅᑎᑕᐅ ᓗ ᑎᑦ ᐊ ᒻᒪ ᐱᐅ ᓯ ᑎᐱᐊ ᖅᑕᐅ ᓗ ᓂ ᐊ ᑐᖅᑕᐅ ᓂᖏ ᑦ ᑕᑯᔅᓴᐅ ᑎᑦᑎᔪᑦ ᐅ ᐊ ᑦᑎᐊ ᕈᒻᒪᕆ ᐊ ᓗ ᓂᑦ
ᓄᓇᖓ ᐊ ᓯ ᔾᔨ ᐸ ᓪᓕᐊ ᓂᖓ ᓄᓇᕗᑦ.

ᐱᒋᐊᕐ ᓂᖓ ᐱᒋᐊᕐ ᓂᖓ ᐱᒋᐊᕐ ᓂᖓ ᐱᒋᐊᕐ ᓂᖓ ᐱᒋᐊᕐ ᓂᖓ ᐱᒋᐊᕐ ᓂᖓ ᐱᒋᐊᕐ ᓂᖓ

ᐱᒋᐊᕐ ᓂᖓ ᐱᒋᐊᕐ ᓂᖓ ᐱᒋᐊᕐ ᓂᖓ ᐱᒋᐊᕐ ᓂᖓ ᐱᒋᐊᕐ ᓂᖓ ᐱᒋᐊᕐ ᓂᖓ ᐱᒋᐊᕐ ᓂᖓ ᐱᒋᐊᕐ ᓂᖓ ᐱᒋᐊᕐ ᓂᖓ

ᖃᓄᖅ ᐅᖃᓕᒫᕋᔅᓴᐅᒻᒪᖔ ᑦᓄᓇᖑᐊᖅ

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ᓴᖅᑭᑎᑕᐅᒋᐊᕐ ᖓ ᖅᓯᒪᔪᑦ

ᑖᒃᑯᓂᖓ ᖃᐅᔨᓴᖅᑎᓄᑦ
ᐋᖅᑭᒋᐊᖅᑕᐅᓯᒪᖏ ᑦᑐᑦ.

© ᑯᐃ ᓐᑭᒡᒐᖅᑐᐃ ᓪᓗ ᓂ ᑲ ᓇᑕᒥ,
ᑭᒡᒐᖅᑐᐃ ᔨ ᖃᖅᖢᓂ
ᐊᑐᒃᑲ ᓐᓂᕈᓐᓇᖅᑐᓕᕆ ᓂᕐᒧᑦᒥᓂᔅᑕᒥ,2016

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ᑎᑎᕋᖅᓯ ᒪᔪᑦᓈᓴᐅ ᑎᖓ.M183-1/256-2016S-PDF
ISBN978-0-660-05093-5
d oi:10.4095/298759

ᑲᓇᑕᒥ ᓄᓇᖑᐊᓕᕆᔨᒃᑯᑦᖃᐅᔨᒋᐊᕐᕕᖏ ᑦᐃᓚᒍᑕᖏ ᓪᓗ ᐊᑦᑐᐊᓂᖃᖅᑐᓄᑦ
ᓴᖅᑭᖅᑎᑕᐅᔪᑦᓄᓇᒥᖃᐅᔨᓴᓂᕐᒧᑦᑲᓇᑕᒥᓄᓇᖑᐊᑦ

ᑖᓐᓇ ᓄᓇᖑᐊ ᖅ ᓇᓗ ᓇᐃ ᔭᐃ ᔪᖅ ᖃᐅ ᔨ ᓴᖅᑎᓪᓗ ᒋᑦ
ᖃᐅ ᔨ ᔭᐅᔪᑦ Amittok Lake (south) ᓄᓇᖑᐊ ᖅ 8−ᓂᑦ
ᐱᓇᓱᐊ ᕈᓯ ᕐᓂᑦ ᐊ ᕕ ᑦᑐᖅᓯ ᒪᔪᒥᑦ ᐊ ᒻᒪ
ᖃᐅ ᔨ ᓴᕐᓂᖃᓗ ᐊ ᓚ ᐅ ᖅᑐᑦ ᖁᐊ ᖑᐃ ᓐᓇᖅᑐᒥᑦ
ᓄᓇᖑᐊ ᓕᐅ ᓂᕐᒥᑦᐱᖓ ᓐᓇᖓ ᓂ ᓴᐅ ᒥᒻᒥᑦ. 2015−ᒥ
ᖃᐅ ᔨ ᓴᕐᓂᐅ ᔪᖅ ᐱᔭᕇ ᖅᓯ ᓚ ᐅ ᖅᑐᖅ ᐊ ᕐᕌᒍᓂᑦ ᐊ ᕙᑎᓂᑦ
ᐱᓕᕆ ᐊ ᖑᔪᖅ ᐅᓪᓗ ᒥᒨᖓ ᓕᖅᑎᑕᐅᓪᓗ ᑎ
ᓄᓇᖑᐊ ᑦᕿᑭᖅᑖᓗ ᒻᒥ ᓂᒋᓕᒫᖓ ᓂᑦ 70°N.
ᖁᐊ ᖑᐃ ᓐᓇᖅᑐᖅ ᐃ ᓗ ᓕᖃᕐᓂᕆ ᔭᖓ Paleop roterozoic
metap lutonic suite, ᐊ ᔾᔨ ᒌᖏ ᓐᓂᖃᖅᑐᑦ ᐃ ᓗ ᓕᖏ ᑦ
ᐱᒋᐊ ᖅᑐᓂ gabbro ᑎᑭᑦᑐᒍ syenogranite,
ᖁᓕᕉ ᕇ ᖃᑦᑕᐅ ᑎᓪᓗ ᑎ
ᖃᓄᐃ ᓘ ᖃᑦᑕᐅ ᑎᓂᖏ ᑦᓇᓗ ᓇᐃ ᖅᓯ ᔪᖅ ᐱᕙᓪᓕᐊ ᓂᖓ

maficᑎᑭᑦᑐᒍ silicicmagmatism.ᒫᓐᓇᐅ ᔪᒥᑦᑕᑯᔅᓴᐅ ᔪᖅ
ᖁᑦᑎᓂᖅᓴᖓ ᒍ amp hibolite ᐊ ᑎᓐᓂᖓ ᓄᑦ granulite
faciesmetamorp hicᖃᓄᐃ ᓐᓂᕆ ᔭᖏ ᑦᖁᓕᕇ ᖃᑦᑕᐅᑎᔪᑦ
ᒪᑭᑕᑦᑎᐊ ᕈᓐᓇᕐᓂᖓ ᑭᓪᓕᖃᖅᑎᑦᑎᔪᖅ magnetite ᐊ ᒻᒪ
orthop yroxene, ᒪᓕᓐᓂᖃᖅᑐᖅ ᓇᓕᒧᑦᑎᑦᑎᓂᕐᒦᑦᑐᓂᑦ
ᐊᔾᔨ ᓐᖑᐊ ᑦ ᐊ ᒻᒪ ᐊ ᕕ ᑦᑐᖅᓯ ᒪᔪᒥᑦᖃᖓ ᑕᓲ ᒃᑯᑦ
ᓂᐱᖅᑲ ᕐᓇᖃᕐᓂᖓ ᓄᑦ ᑐᑭᓯ ᒋᐊ ᕈᑏ ᑦ. Metasedimentary
ᐅᔭᖅᑲ ᐃ ᑦ,ᐱᖃᓯ ᐅ ᑎᓪᓗ ᑎ q uartzite,p elite,ᑐᓐᓅᔭᖅ,ᐊ ᒻᒪ
ᐊᕕ ᑦᑐᖅ metagreywacke, ᑕᑯᔅᓴᐅ ᑎᑕᐅ ᔪᑦ ᐊ ᒻᒪ
ᐊᕕ ᑦᑐᖅᓯ ᒪᔪᓂᑦ ᐊ ᑯᓐᓂᖏ ᓐᓂ ᐃ ᓗ ᐊ ᓂᓗ p lutonic
ᐃ ᓗ ᓕᓖᑦ.ᖃᐅ ᔨ ᓴᖅᑕᐅ ᓂᕆ ᔭᖓ ‘ᑕᕐᕋᐃ ᑦᑐᖅ’ᓄᓇᓕᕆ ᓂᕐᒧᑦ
ᓇᓗ ᓇᐃ ᖅᓯ ᔪᖅ metasedimentary ᐅ ᔭᖅᑲ ᐃ ᑦ
ᑲ ᑎᓐᖓ ᓂᖃᕈᓐᓇᖅᑐᑦ ᕿᑎᖓ ᓃᑦᑐᓂ Paleop roterozoic
ᑭᒻᒥᕈᒻᒥ ᐱᓕᕆ ᔪᑦ ᓂᒋᖓ ᓂ ᐊ ᒻᒪ ᐳ ᑑᕆ ᔩᑦᐅ ᐊᓐᓇᖓ ᓂ.
ᒪᕐᕉ ᒃ basaltic ᐅ ᔭᖅᑲ ᐃ ᑦ ᐊ ᒥᓲ ᔪᑦ ᐊ ᒻᒪᐃ ᒃᑲ ᑦᑐᒨᖓ ᔪᑦ
Ordov ician limestone ᖁᓕᕇ ᖃᑦᑕᐅ ᑎᔪᑦ ᐊ ᒻᒪ ᖁᓛ ᒍᑦ
Paleop roterozoicᑲ ᑎᓐᖓ ᔪᓂᑦ.

ᐃᓱᒪᒋᔭᐅᔪᑦ

T hism ap sum m arize sthe fie ld obse rvationsfor the
Am ittok L ake (south)m ap are afollowing e ightwe e ksof
re gionaland targe te d be d roc k m apping on we ste rn Hall
Pe ninsula.T he 2015fie ld c am paign c om ple te satwo-
d e c ad e m ission to upd ate m ap c ove rage for the whole
of Baffin Island south of latitud e 70°N.T he be d roc k is
d om inate d by a Pale oprote rozoic m e taplutonic suite,
ranging in c om position from gabbro to sye nogranite,
with c rossc utting re lationsind ic ating aprogre ssion from
m afic to silic ic m agm atism.Pre vailing uppe r am phibolite
to lowe r granulite fac ie s m e tam orphic c ond itions
ove rlap the stability lim its of m agne tite and
orthopyroxe ne,whic h is c onsiste ntwith e q uilibrium
phase d iagram s and re gional ae rom agne tic d ata.
Me tase d im e ntary roc ks, inc lud ing q uartzite, pe lite,
m arble,and m e tagre ywac ke,are pre se ntassc re e ns
and e nc lave sbe twe e n and within plutonic bod ie s.An
e xam ination of the ‘ghost’stratigraphysugge ststhatthe
m e tase d im e ntary roc ks c an be c orre late d with the
m id d le Pale oprote rozoic L ake Harbour Group in the
south and Piling Group in the north.T wo basaltic d yke
swarm s and shallowly d ipping Ord ovic ian lim e stone
re spe c tive ly c rossc utand ove rly the Pale oprote rozoic
units.

Ab strac t

St-Onge,M.R.,W e lle r,O.M.,Dyc k,B.J.,Rayne r,N.M.,Chad wic k T.,
ᐊ ᒻᒪL iikane,D.,2016.ᓄᓇᓂ ᖃᐅ ᔨ ᓴᕐᓂᖅ,Am ittok L ake (south),
ᕿᑭᖅᑖᓗ ᒃ,ᓄᓇᕗᑦ;ᓄᓇᙳ ᐊ ᓕᕆ ᓂᕐᒧᑦᖃᐅᔨ ᓴᖅᑏ ᑦᑲ ᓇᑕᒥ,
ᑲ ᓇᑕᒥ ᓄᓇᓂᑦᖃᐅ ᔨ ᓴᓂᕐᒧᑦᓄᓇᙳ ᐊ ᖅ 256S(ᐱᒋᐊ ᕐᓂᖓ);
ᓄᓇᕗᓪᓗ ᐅᔭᖅᑲ ᓂᑦᖃᐅ ᔨ ᓴᖅᑏ ᑦᑎᑎᕋᕐᕕ ᖓ,ᒪᑐᐃ ᖓ ᔪᖅ ᓄᓇᖑᐊ ᖅ
2016-13S,ᐊ ᖏ ᓂᖓ 1:100000.d oi:10.4095/298759

ᓄᓇᙳ ᐊ ᓕᕆ ᔪᖅ N.Cô té

ᑐᑭᓕᐅᕆ ᔭᐅ ᔪᖅ ᖃᓪᓗ ᓈᑎᑐ ᐃ ᓄᒃᑎᑐᒧᑦW intranslation;ᑐᑭᓕᐅ ᕆ ᓯ ᒪᔪᖅ ᓱᓕ
ᓈᒻᒪᒃᑲ ᓗ ᐊ ᕆ ᐊ ᒃᓴᖅ ᐅ ᖃᐅᓯ ᐅ ᓯ ᒪᙱ ᑦᑐᖅ.

ᐅᓇ ᓄᓇᙳ ᐊ ᖅ ᐃ ᓚ ᒋᔭᖓ ᓄᓇᐅ ᑉᖃᓄᐃ ᓕᖓ ᓂᖓ ᓂᑦᓄᓇᙳ ᐊ ᓕᐅᕐᓂᕐᒧᑦᐅ ᑯᓄᖓ
ᐆᒻᒪᖁᑎᓕᕆ ᔨ ᒃᑯᑦᐊ ᒻᒪᐅᔭᕋᐅ ᔭᓕᕆ ᔨ ᒃᑯᓄᑦ(GEM)ᐱᓕᕆ ᐊ ᖑᔪᒥᑦᕿᑭᖅᑖᓗ ᒻᒥ ᑐᑭᒧᐊ ᖅᑎᑕᐅ ᓪᓗ ᓂ
ᓄᓇᙳ ᐊ ᓕᕆ ᓂᕐᒧᑦᖃᐅ ᔨ ᓴᖅᑏ ᑦᑲ ᓇᑕᒥ (GSC)ᐱᓕᕆ ᖃᑎᖃᖅᖢᑎᑦᑲ ᓇᑕᒥ ᓄᓇᕗᓪᓗ ᓄᓇᐅ ᑉ
ᖄᖓ ᓃᑦᑐᓂ ᖃᐅ ᔨ ᓴᖅᑐᓕᕆ ᔨ ᒃᑯᑦᑎᑎᕋᕐᕕ ᖓ ᓂ (CNGO),ᓄᓇᕗᒻᒥ ᓯ ᓚ ᑦᑐᖅᓴᕐᕕ ᒃ,ᑲ ᐅᕈᑕᓐ
ᓯ ᓚ ᑦᑐᖅᓴᕐᕕ ᒃᔪᐊ ᖅ,ᓯ ᓚ ᑦᑐᖅᓴᕐᕕ ᒃᔪᐊ ᖓ ᐋ ᒃᕗᑦ,ᐊ ᒻᒪᓗ ᓄᓇᕗᑦᒐᕙᒪᒃᑯᑦ.

ᐃ ᖅᑲ ᓇᐃ ᔭᖅᑐᓕᕆ ᓂᕐᒧᑦᐃ ᑲ ᔪᖅᑐᑦᓯ ᓚ ᕐᔪᐊ ᒥ ᐅ ᑭᐅ ᑕᖅᑐᖓ ᓂ ᐱᓕᕆ ᐊ ᖅ ᐃ ᓚ ᒋᓪᓗ ᓂᐅ ᒃᑐᕌ ᒐᖏ ᓐᓂᑦ
ᓴᖅᑭᔮᖅᑎᑎᒃᑲ ᓂᕐᓗ ᑎᑦᖃᐅᔨ ᓴᓂᕐᒧᑦᖃᐅ ᔨ ᓴᖅᑎᓄᑦᑲ ᓇᑕᐅ ᑉᐅᑭᐅ ᑕᖅᑐᖓ ᓂ.PCSP05615

ᓄᓇᙳ ᐊ ᖅ ᖃᓄᐃ ᓕᖓ ᓂᖓ ᓄᑦU nive rsalT ransve rse Me rc ator,ᐊᕕ ᒃᑐᖅᓯ ᒪᓂᒃᑯᑦ19.
North Am e ric an Datum 1983

ᓄᓇᙳ ᐊ ᑉᐆ ᒃᑐᕋᖅᑕᐅ ᓯ ᒪᓂᖓ ᒍᑦ1:250000ᓄᓇᒥᐅ ᑕᓕᕆ ᔨ ᒃᑯᓐᓂᑦᑲ ᓇᑕᒥ,ᐋ ᖅᑭᒋᐊ ᖅᑕᐅ ᓯ ᒪᓪᓗ ᑎᑦ.
ᖁᕝᕙᓯ ᓐᓂᖓ ᒦᑕᓂᑦᖁᓛ ᒍᑦᑐᑭᖃᖅᑐᖅ ᐃ ᒪᐅ ᑉᓇᐅ ᒃᑰᕐᓂᖓ ᑕ ᖁᕝᕙᓯ ᖕᓂᖓ

ᑐᑭᑲ ᖅᑐᖅ ᓂᐱᓐᓇᖅᑐᖃᕐᓂᖓ ᑕ ᒥᑭᒡᓕᕙᓪᓕᐊᓂᖓ 2016,31°00'W,ᒥᒃᖠᕙᓪᓕᐊ ᓪᓗ ᓂ 28.5'ᐊᕐᕌ ᒍᑕᒫᑦ.
ᓇᓃᓐᓂᖏ ᓐᓄᑦᖃᐅ ᔨ ᓇᓱᖕᓂᖅ ᐊᔾᔨ ᒌᖏ ᑦᑐᑦᐅ ᕙᙵ 30°28'W ᐱᖓ ᖕᓇᖅ ᐅ ᕙᓂ ᓂᒋᐊ ᑕ
ᐱᖓ ᖕᓇᖅᐸ ᓯ ᐊ ᓂ ᑎᕆ ᖅᑯᐊᓂᑦᐅ ᕗᖓ 31°30'W ᐱᖓ ᖕᓇᖅ ᐅ ᕙᓂ ᐅ ᐊᖕᓇᖓ ᑕ
ᑲ ᓇᖕᓇᖅᐸ ᓯ ᐊ ᑕ ᑎᕆ ᖅᑯᐊ ᓂ ᓄᓇᙳ ᐊ ᕐᒥᑦ.

ᐅᓇ ᓄᓇᙳ ᐊ ᖅ ᐊ ᑐᖅᑕᐅ ᔭᕆ ᐊ ᖃᙱ ᑦᑐᖅ ᑕᒻᒪᕇ ᒃᑯᑎᐅ ᓗ ᓂ ᓄᓇᑰᖅᑐᓂᑦ.

ᐊᔾᔨ ᓐᖑᐊ ᖅ ᐊ ᑎᖓ:ᐱᑐᖃᖅ,ᒪᓂᕋᑦᑐᖅᑐᕌᖓ ᔪᑦᐅ ᐊ ᓐᓇᒥᑦᐅ ᐊ ᓐᓇᖓ ᑕ ᑲ ᓇᓐᓇᖓ ᐃ ᒪᖃᕐᕕ ᒃ(ᕿᓐᓂᖅᑐᖅ)ᐃ ᓕᓯ ᒪᔪᖅ
ᐃ ᓱᐊ ᒍᑦᖂᑭᓪᓕᓯ ᒪᓪᓗ ᓂ m onzogranite (ᖃᖁᕐᑐᖅ).Mafic d yke 5ᒦᑕ ᓴᓂᒧᑦ,ᑐᑭᒧᑦᖑᓴᖁ ᓴᖑᖓ ᔪᑦᐊ ᑕᖏ ᖅᑐᒍ
Pale oprote rozoic fe lsic plutonic ᐊᑕᐅᓰᑦ.ᐊ ᒥᑦᑐᖅ ᑕᓯ ᖅ,ᕿᑭᖅᑖᓗ ᒃ,ᓄᓇᕗᑦ.ᐊ ᔾᔨ ᓕᐅᕆ ᔪᖅ B.J.Dyc k.2015-126

ᓄᓇᙳ ᐊ ᓕᕆ ᓂᕐᒧᑦᖃᐅ ᔨ ᓴᖅᑏ ᑦᑲ ᓇᑕᒥ ᑐᙵ ᓱᒃᑎᑦᑎᔪᑦᐋ ᕿᒋᐊ ᕈᑎᓂᑦᐃ ᓚ ᒋᐊ ᕈᑎᓂᒡᓘ ᓐᓃᑦᑐᑭᓯ ᒋᐊ ᒃᑲ ᓐᓂᕈᑎᓂ
ᐊᑐᖃᑦᑕᖅᑐᓄᑦ.

ᑐᑭᓯ ᒋᐊ ᕈᑎᖏ ᑦᐱᖃᓯ ᐅ ᔾᔨ ᔪᓐᓇᖅᑐᑦᑕᑯᔭᐅ ᒃᑲ ᓂᖅᑐᓂᑦᑕᑯᔅᓴᐅ ᑎᑕᐅᖏ ᑦᑐᓂᑦᓄᓇᙳ ᐊᕐᒥᑦ.
ᑕᑯᓗ ᒍ ᑎᑎᕋᖅᓯ ᒪᔪᑦᐃ ᓚ ᓕᐅᔾᔭᐅ ᓯ ᒪᔪᑦᑖᒃᑯᓇᓂ ᑲ ᑎᕐᓱᒐᕐᓂ.
ᓇᓗ ᓇᐃ ᔭᖅᓯ ᒪᒃᑲ ᓂᕐᓂᖏ ᑦᑎᑎᕋᖅᓯ ᒪᔪᑦ,ᖃᐅ ᔨ ᒋᐊ ᕐᕖᑦ,ᐊ ᒻᒪᐊ ᔾᔨ ᓐᖑᐊ ᑦᓄᓇᖑᐊ ᒦᑦᑐᖅ ᑐᑭᓯ ᒋᐊ ᕈᑎᖏ ᓐᓂᑦᑎᑎᕋᖅᓯ ᒪᔪᓂᑦ.

ᑖᓐᓇ ᓴᖅᑭᖅᑎᑕᐅᔪᖅ ᐊ ᑭᖃᖏ ᑐᑦᖃᕋᓴᐅ ᔭᒃᑯᑦᐊ ᑐᐃ ᓐᓇᐅ ᔪᑦᐅ ᑯᑎᒎᓇ
GEOSCAN(http://ge osc an.nrc an.gc.c a/)
ᑲ ᓇᑕ ᓄᓇᕗᒻᒥᓗ ᐅ ᔭᖅᑲ ᓂᑦᖃᐅᔨ ᓴᖅᑏ ᑦᑎᑎᕋᕐᕕ ᖓ (http://c ngo.c a/).

26-D

26-K 26-I

26-B

26-L 26-J

26-F 26-G 26-H

26-C

26-E

26-A

CGM258S

CGM262S

CGM259S

CGM256S

CGM260S

CGM253S

CGM254S

CGM255S CGM257S
O FM2016-14S

O FM2016-15S

O FM2016-19S

O FM2016-11S

O FM2016-10S

O FM2016-16S

O FM2016-17S

O FM2016-13S

O FM2016-12S

CGM
261S
O FM
2016-18S

ᓄᓇᙳ ᐊᓕᕆᓂᕐ ᒧᑦᖃᐅᔨᓴᖅᑏᑦᑲᓇᑕᒥ

ᑲᓇᑕᒥᓄᓇᓂᑦᖃᐅᔨᓴᓂᕐ ᒧᑦᓄᓇᙳ ᐊᖅ 256S
ᓄᓇᕗᓪᓗ ᐅᔭᖅᑲᓂᑦᖃᐅᔨᓴᖅᑏᑦᑎᑎᕋᕐ ᕕᖓ

ᒪᑐᐃᖓ ᔪᖅ ᓄᓇᖑᐊᖅ 2016-13S
ᓄᓇᓂ ᖃᐅᔨᓴᕐ ᓂᖅ

AMITTO KLAKE(SO UTH)
ᕿᑭᖅᑖᓗ ᒃ,ᓄᓇᕗᑦ
1:100000

ᓄᓇᙳ ᐊᓕᕆᓂᕐ ᒧᑦᖃᐅᔨᓴᖅᑏᑦᑲᓇᑕᒥ
ᑲᓇᑕᒥᐅᔭᖅᑲᓂᑦᖃᐅᔨᓴᓂᕐᒧᑦᓄᓇᖑᐊᑦ

ᑎᑎᕋᖅᑐᑦ:M.R.St-O nge,O.M.W eller,B.J.Dy c k,N.M.Ray ner,T.Chad w ic k,
ᐊ ᒻᒪ D.Liikane

ᓄᓇᓂ ᖃᐅᔨᓴᕐᓂᖅ

AMITTO KLAKE(SO UTH)
ᕿᑭᖅᑖᓗ ᒃ,ᓄᓇᕗᑦ
1:100000

ᐊᑐᓕᖁᔭᐅᔪᑦᐅᖃᖅᑕᐅᓯᒪᔪᑦᖃᐅᔨᒋᐊᕐᕖᓘᓐᓃᑦ

ᓄᓇᙳ ᐊᓕᕆᓂᕐ ᒧᑦᖃᐅᔨᓴᖅᑏᑦᑲᓇᑕᒥ

ᑲᓇᑕᒥᓄᓇᓂᑦᖃᐅᔨᓴᓂᕐ ᒧᑦᓄᓇᙳ ᐊᖅ 256S
ᓄᓇᕗᓪᓗ ᐅᔭᖅᑲᓂᑦᖃᐅᔨᓴᖅᑏᑦᑎᑎᕋᕐ ᕕᖓ

ᒪᑐᐃᖓ ᔪᖅ ᓄᓇᖑᐊᖅ 2016-13S
ᓄᓇᓂ ᖃᐅᔨᓴᕐᓂᖅ

AMITTO KLAKE(SO UTH)
ᕿᑭᖅᑖᓗ ᒃ,ᓄᓇᕗᑦ

Ge ologic alc ontac t
De fine d

Approxim ate

Ge ologic alc ontac t,d e positional-unc onform able

Approxim ate

Norm alfault;solid c irc le ind ic ate sd ownthrown sid e

Approxim ate

Obliq ue -slip fault,norm al,infe rre d

Sinistralslip

De xtralslip

Foliation form line

ᕿᕐᓂᖅᑕᐃ ᑦᓇᓗ ᓇᐃ ᒃᑯᑎᒋᔭᐅ ᔪᑦᓄᓇᙳ ᐊ ᕐᒥ ᓴᕿᑎᑦᑎᓯ ᒪᕗᑦᐃ ᓂᒋᔭᐅ ᔪᒥᑦ.ᓯ ᐊ ᕐᓇᐃ ᑦ
ᓇᓗ ᓇᐃ ᒃᑯᑏ ᑦᐅ ᑯᓂᖓ ᐆ ᒃᑐᕋᐅ ᑎᒍᑎᕕ ᓂᕐᓄᑦᓴᕿᔮᖅᑎᑕᐅᔪᓐᓇᙱ ᑦᑐᓄᑦᑕᕝᕙᓂ
ᓄᓇᙳ ᐊ ᕐᒥ;ᐃ ᓚ ᖃᖅᑐᑦᑕᒪᐃ ᓐᓂᑦᓴᓇᕕ ᐅᓯ ᒪᔪᓂᑦᐊᒻᒪᐃ ᓚ ᖏ ᓐᓂ 2015ᓴᓇᕝᕕ ᐅ ᓂᑯᓂᑦ.

Band ing,inc line d

Be d d ing,inc line d

Cle avage,c re nulation,inc line d

Contac t,inc line d

Contac t,ve rtic al

Faultplane,inc line d

Foliation,inc line d

Foliation,ve rtic al

Frac ture,inc line d

Frac ture,ve rtic al

Gne issosity,inc line d

Glac ialstriae

Glac ialstriae,flowd ire c tion unknown

Mine ralline ation

Mullions

Rod d ing

Rod d ing,flowd ire c tion unknown

Slic ke nsid e striation

Fold hinge

Antiform,d e fine d
f2

f3

Antiform,ove rturne d,d e fine d
f2

Synform,d e fine d
f2

f3

Station
Fie ld work 2015

L e gac y

Carving stone

Oc c urre nc e in hyd rate d ultram afic roc k CS

10

20

30

40

10

30

40

50

10

20

30

40

50

ᖃᓄᖅᐅᖃᓕᒫᕋᔅᓴᐅᒻᒪᖔ ᑕ ᓇᓗᓇᐃᒃᑯᑕᓖ ᑦ

ᓇᓗ ᓇᐃ ᒃᑯᑕᐃ ᑦᐊ ᑐᖅᑕᐅ ᒐᔪᑦᑐᑦCGM253S,CGM254S,CGM255S,CGM256S,CGM257S,
CGM258S,CGM259S,CGM260S,CGM261S,ᐊ ᒻᒪCGM262S.ᐊ ᒥᐊ ᓖᑦᓇᓗ ᓇᐃ ᒃᑯᑕᐃ ᑦ
ᓇᓗ ᓇᐃ ᖅᓯ ᔪᑦᓄᓇᖑᐊ ᒥ ᑕᑯᔅᓴᐅ ᔪᑦᑕᕝᕙᓂ ᓄᓇᖑᐊ ᒥ.ᐊ ᕐᕌᒍᖏ ᑦ(Eon)ᓄᓇᖑᐊ ᒥ ᓇᓗ ᓇᐃ ᖅᑕᐅ ᔪᑦ
ᓯ ᕗᓪᓕᖅᐹᖓ ᓂ ᑎᑎᕋᖅᓯ ᒪᔪᓂᑦ,ᓲ ᕐᓗ { (Pale oprote rozoic),ᓄᓇᐃ ᑦᐊ ᕕ ᔅᓯ ᒪᓂᖓ ᒍᑦᓇᒦᓐᓂᖓ
ᐊᑎᖓ,ᐊ ᑐᕆ ᐊ ᖃᕈᓂ,ᑐᖏ ᓕᐊ ᓂ ᐱᖓ ᔪᖓ ᓐᓂᓗ ᑎᑎᕋᖅᓯ ᒪᔪᑦᓲ ᕐᓗ.L H(L ake Harbour Group),
ᐊᒻᒪᐅ ᔭᖅᑲ ᓂᑦᖃᐅᔨ ᓴᕐᓂᖅ ᒥᑭᓂᖅᓴᐅ ᔪᓂᑦᑎᑎᕋᖅᓯ ᒪᔪᑦ,ᓲ ᕐᓗ.m o (orthorpyroxe ne -be aring
m onzogranite).
QUATERNARY

Glac ialtill(bould e ryd iam ic ton);glac iofluvialsand and grave l;glac iolac ustrine,
glac iom arine and m arine sand,silt,and grave l;alluvialsand and grave l;talus
sc re e bould e ryd iam ic ton.

/

O RDO VICIAN

AMADJUAQFO RMATIO N:lim e stone;tan to d ark brown;nod ular be d d e d,

we athe rsm assive;argillac e ousto shalyin lowe r part. _A

NEO PRO TERO ZO IC

Diabase d yke (Franklin swarm). +d

MESO PRO TERO ZO IC–CENO ZO IC

Diabase d yke (Ke ke rtaluk swarm). 4Cd

PALEO PRO TERO ZO IC

{sb Biotite sye nogranite;loc allywith K-fe ld spar m e gac rysts.

Biotite -garne t±orthopyroxe ne m onzogranite;loc allyc ontainsabund ant
inc lusionsof m e tase d im e ntaryroc k. {mg

Biotite -garne t±orthopyroxe ne m onzogranite;with K-fe ld spar m e gac rysts;
loc allyc ontainsabund antinc lusionsof m e tase d im e ntaryroc k. {mgk

{mb Biotite -m agne tite ±orthopyroxe ne m onzogranite;loc allywith K-fe ld spar m e gac rysts.

{mh Biotite -hornble nd e ±m agne tite ±orthopyroxe ne m onzogranite.

Orthopyroxe ne -biotite m onzogranite;c om m onlyc ontainsabund antinc lusions
of m e tase d im e ntaryroc k. {ms

{mo Orthopyroxe ne -biotite ±m agne tite m onzogranite;loc allywith K-fe ld spar m e gac rysts.

{go Orthopyroxe ne -hornble nd e -biotite ±m agne tite granod iorite.

Hornble nd e -orthopyroxe ne -c linopyroxe ne d iorite,le uc od iorite;loc allylaye re d
with c om positionsranging from d iorite to anorthosite. {d

Hornble nd e -c linopyroxe ne -m agne tite ±biotite gabbro;loc allylaye re d with
c om positionsranging from gabbro to anorthosite. {g

PILINGGRO UP

LO NGSTAFFBLUFFFO RMATIO N:psam m ite,se m ipe lite,arkosic and lithic
m e tawac ke;thin-to-thic k laye rs,lightto d ark gre y;m inor hornble nd e -be aring
c alc -silic ate laye rsand c onc re tions.

{PL

LAKEHARBO URGRO UP

FRO BISHERSUITE

W hite garne t-biotite le uc ogranite;c om m onlyinte rlaye re d with
m e tase d im e ntaryroc k. {LHw

{LHd Me tale uc od iorite.

{LHm Me tagabbro,am phibolite.

{LHu Me tape rid otite,m e tapyroxe nite,m e tad unite.

METASEDIMENTARY RO CKS

Diopsid e -phlogopite -spine l-apatite m arble,c alc -silic ate;m inor silic ic lastic
laye rs;white garne t-biotite le uc ogranite pod sand se am s. {LHc

{LHa Hornble nd e -garne t-biotite ±c linopyroxe ne am phibolite;loc allywith c arbonate se am s.

Garne t-sillim anite -biotite psam m ite;se m ipe lite,pe lite,q uartzite;m inor m arble
and c alc -silic ate;white garne t-biotite le uc ogranite pod sand se am s;
m e tad iorite to m e tale uc od iorite and laye re d m afic -ultram afic sills.

{LHp

Garne t-biotite se m ipe lite;pe lite,q uartzite;white garne t-biotite le uc ogranite
pod sand se am s. {LHs

Garne t-sillim anite q uartzite,fe ld spathic q uartzite;se m ipe lite,orthoq uartzite,
pe lite;m inor m arble and c alc -silic ate;white garne t-biotite le uc ogranite pod s
and se am s.

{LHq

ARCHEAN

Biotite -m agne tite m onzogranite,loc allyc rossc utbyc oarse -graine d to
pe gm atitc sye nogranite ve ins. 0mm

0mk K-fe ld spar m e gac rystic biotite m onzogranite to q uartzm onzonite.

0g Biotite ±hornble nd e granod iorite to m onzogranite.

Biotite ±hornble nd e tonalite to granod iorite;c om m onlyc ontainslaye rsof d iorite
to q uartzd iorite,and loc allyc ontainspod sand e nc lave sof m e tagabbro. 0t