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

ᓄᓇᒥᖃᐅ ᔨ ᓴᕐᓂᕐᒧᓇᓗ ᓇᐃ ᔭᐃ ᔪᖅ M.R.St-Onge ᐊᒻᒪᑎᑎᕋᖅᑕᐅ ᒃᑲ ᓐᓂᖅᑐᑦᐆᒧᖓ
M.R.St-Onge ᐊᒻᒪO.M.W e lle r,2015

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

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T rue |257E|Ge ology|Cle arwate r Fiord (north)|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|257E|Ge ologic alSurve yof Canad a|GSC|NaturalRe sourc e sCanad a|Ope n File Map|2016-14E|Canad a-NunavutGe osc ie nc e Offic e |CNGO||

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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 ᑦᑐᖅᓯᒪᔪᑦ
ᓄᓇᓂᑦᖃᐅ ᔨ ᓴᓂᕐᒧᑦᐊᕕ ᑦᑐᖅᓯᒪᔪᑦᐊ ᖏ ᓂᕆ ᔭᖓ ᓇᓗ ᓇᐃ ᖅᑕᐅ ᓯᒪᔪᒥᑦᐅ ᔭᖅᑲ ᐃ ᑦᖃᓄᐃ ᑦᑑᓂᖏ ᓐᓄᑦᐊᕐᕌᒍᖏ ᓪ ᓗ.ᓄᓇᓂᑦ
ᖃᐅ ᔨ ᓴᓂᕐᒧᑦ ᐊ ᕕ ᑦᑐᖅᓯᒪᔪᑦ ᐊ ᑎᖃᐅ ᖅᑐᑦ ᐊ ᒻᒪ ᓇᓗ ᓇᐃ ᖅᑕᐅ ᓯᒪᔪᑦ ᐅ ᔭᖅᑲ 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 ᑦᑐᖅᓯᒪᔪᑦ ᑎᑎᖅᑲ ᖃᐅ ᖅᑎᑕᐅ ᔪᑦ ᐊᔾᔨ ᐅ ᖏ ᑦᑐᓂᑦ ᓄᓇᖑᐊ ᒥᑦ.ᓇᓄᓇᐃ ᒃᑯᑕᕆ ᒐᔪᑦᑕᖏ ᑦ
ᐊᖏ ᔪᑦ ᑎᑎᖅᑲ ᐃ ᑦᑭᖑᓕᕆ ᓪ ᓗ ᓂᒋᑦ ᐊ ᖏ ᔫᑎᒃᑲ ᓐᓃᑦ ᑎᑎᖅᑲ ᐃ ᑦ ᒥᑭᔫᑕᐅᓂᖅᓴᐅ ᓗ ᑎᓘ ᓐᓃᑦ.ᓯᕗᓪ ᓕᖅᐹᖅ ᑎᑎᖅᑲ ᖅ ᐊ ᖏ ᔪᖅ
ᑭᒡᒐᖅᑐᐃ ᔪᖅ ᐊ ᕐᕌ ᒍᖓ ᓂᑦᓄᓇᒥᖃᐅ ᔨ ᓴᓂᕐᒧᑦᐊ ᕕ ᑦᑐᖅᓯᒪᔪᖅ. ᓄᓇᓂᑦᖃᐅ ᔨ ᓴᖅᑕᐅ ᔪᑦᐊᑎᖃᐅ ᖅᑐᑦᐊ ᒻᒪᓇᓗ ᓇᐃ ᔭᖅᑕᐅ ᓯᒪᔪᑦ
ᐅᔭᖅᑲ ᓂᑦᖃᐅ ᔨ ᓴᖅᑎᒧᑦᓄᓇᖑᐊ ᓕᐅ ᖃᑦᑕᖅᑐᖅ,ᑐᓐᖓ ᓂᖃᖅᑐᑎᑦᐅᔭᖅᑲ ᓂᑦᑕᑯᔭᖏ ᓐᓂᑦᖃᐅᔨ ᓴᕐᕕ ᐅ ᔪᒥᑦᖃᐅ ᔨ ᓴᖅᑕᐅ ᓪ ᓗ ᑎᓪ ᓗ
ᐊᕐᕌ ᒍᖏ ᑦ ᐅ ᔭᖅᑲ ᐃ ᑦ. ᐃ ᓚ ᒋᐊ ᕐᓗ ᒍ ᐊ ᒥᐊ ᖏ ᓐᓄᑦ, ᖃᐅᔨ ᓴᕐᕕ ᐅ ᔪᑦ ᐊ ᕕ ᑦᑐᖅᓯᒪᔪᑦ 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 ᑕᐅ ᓯᖅ ᒪᕐᕉ ᓘ ᓐᓃᒃ ᐊ ᖏ ᔪᑦ ᑎᑎᖅᑲ ᐃ ᑦ
ᒥᑭᓂᖅᓴᐃ ᓘ ᓐᓃᑦᑎᑎᖅᑲ ᐃ ᑦ.ᓯᕗᓪ ᓕᖅᐹᖅ ᐊ ᖏ ᔪᖅ ᑎᑎᖅᑲ ᖅ ᓇᓗ ᓇᐃ ᖅᓯᔪᖅ ᐊ ᕐᕌ ᖓ ᐅᔭᖅᑲ ᓂᑦᖃᐅ ᔨ ᓴᕐᕕ ᐅᔪᖅ.ᐅ ᔭᖅᑲ ᓂᑦ
ᖃᐅ ᔨ ᓴᖅᑏ ᑦᐊ ᒡᒍᑐᖅᓯᒪᔭᖏ ᑦ ᓯᓚ ᕐᔪᐊ ᖅ ᖃᓄᐃ ᓘ ᖃᑦᑕᕐᓂᖓ ᐱᓕᐊ ᖏ ᓐᓃᑦᑐᓂᑦ ᐊ ᕐᕌ ᒍᖏ ᓐᓂᑦ. ᓇᓗ ᓇᐃ ᒃᑯᑕᓕᒫᑦ ᐊ ᖏ ᔪᓂᑦ
ᑎᑎᖅᑲ ᓂᑦᐱᒋᐊ ᕐᓂᖃᖅᑐᑦᓇᓗ ᓇᐃ ᖅᓯᔪᑦᐊ 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 ᓪ ᓗ ᒥᒧᑦᑎᑭᑦᑐᒍ).ᐊ ᖏ ᔪᑦᑎᑎᖅᑲ ᐃ ᑦᑭᖑᓂᐊ ᓃᑦᑐᑦ ᓇᓗ ᓇᐃ ᖅᓯᔪᑦᐊ ᑎᖓ ᐊ ᕕ ᑦᑐᖅᓯᒪᔪᖅ,ᐱᑕᖃᕈᓂ.
ᒥᑭᓂᖅᓴᐃ ᑦ ᑎᑎᖅᑲ ᐃ ᑦ ᓇᓗ ᓇᐃ ᖅᓯᔪᑦᖃᓄᐃ ᑦᑑᓂᖏ ᑦ ᐅᔭᖅᑲ ᐃ ᑦ.ᓲ ᕐᓗ ᐅ ᔭᖅᑲ ᐃ ᑦ ᐊ ᑎᖃᖅᑐᑦ ᐊ ᕕ ᑦᑐᖅᓯᒪᔪᓂᑦ ᕿᑭᖅᑖᓗ ᒻᒥ
metasedimentary ᐅ ᔭᖅᑲ ᐅ ᔪᑦ ᑕᐃ ᔭᐅ ᔪᑦ "ᑭᒻᒥᕈᒻᒥ ᐱᓕᕆ ᔪᑦ".ᑕᐃ ᒪᐃ ᓐᓂᖓ ᓄᑦ {LHq ᓄᓇᖑᐊ ᒥᑦ ᓇᓗ ᓇᐃ ᒃᑯᑕᐅᒐᔭᖅᑐᖅ
ᑭᒻᒥᕈᒻᒧᑦᐱᓕᕆ ᔪᓄᑦᐅ ᔭᖅᑲ ᖅ q uartzite(ᓄᓇᒨᖅᓯᔪᑦ Paleop roterozoic−ᒥᑦ).ᐊ ᔾᔨ ᐸ ᓗ ᐊ ᓂᑦ,+d ᓇᓗ ᓇᐃ ᒃᑯᑕᐅ ᒐᔭᖅᑐᖅ
ᐊᑎᖃᖅᑎᑕᐅ ᖏ ᑦᑐᓄᑦᐊᕕ ᑦᑐᖅᓯᒪᔪᓄᑦᐅ ᔭᖅᑲ ᐃ ᑦdiabaseᐃ ᓕᓯᒪᔪᑦNeop roterozoic−ᖑᑎᓪ ᓗ ᒍ.

Indᒪᕐᕉ ᒃ ᐊ ᔾᔨ ᒌᖏ ᑦᑐᑦ ᐅ ᔭᖅᑲ ᓖ ᑦ ᓴᓂᓕᕇ ᑦᑐᑎᑦ ᑕᐃ ᔭᐃ ᔪᑦ ᑲ ᑎᓐᓂᖓ,ᐊ ᒻᒪ ᑖᓐᓇ ᓇᓗ ᓇᐃ ᖅᑕᐅ ᔪᖅ ᐊ ᔾᔨ ᒋᖏ ᑕᖏ ᓐᓂᑦ
ᑎᑎᖅᑕᐅ ᓯᒪᔪᓂᑦᓄᓇᖑᐊ ᒥᑦ. ᐊ ᔾᔨ ᒋᖏ ᓂᕆ ᔭᖏ ᓐᓄᑦᓅᑦᑕᐅ ᓯᒪᔪᑦ ᓴᓂᑦᑎᐊ ᖓ ᓄᑦ ᐃ ᒻᒥᓂᒃ ᑕᐃ ᒪᐃ ᓚ ᐅᖅᑎᓪ ᓗ ᒋᑦ ᑲ ᑎᓐᓂᖓ

ᐊᕕ ᒃᓯᒪᓂᖓ ᒍᑦ ᑲ ᑎᓐᓂᖃᖅᑐᖅ. ᐅᔭᖅᑲ ᐅ ᔪᖅ ᐊ ᓯᐊᓄᑦ ᐊ ᔭᐅ ᖅᑕᐅ ᒍᓂ (ᓲ ᕐᓗ ᐅ ᔭᖅᑲ ᐃ ᑦ granite ᐊ ᑦᑐᖃᑦᑕᐅᑎᒋᓪ ᓗ ᓂᐅ ᒃ
sedimentary strata)ᐊ ᑦᑐᕐᓂᕆ ᔭᖏ ᑦ ᐊ ᐅ ᓚ ᔾᔭᐃ ᓂᖃᖅᑐᑦ ᐊ ᑦᑐᕐᓂᖓ. ᐊ ᓯᐊ ᑦᑕᐅ ᖅ ᑕᑯᔅᓴᐅᑎᑕᐅ ᔪᑦ ᑐᑭᓕᐊ ᖅᑐᑦ ᓄᓇᓄᑦ
ᓄᓇᖑᐊ ᑦᐱᕆ ᒍᓐᓇᖅᑐᖅ.ᐃ ᓚ ᒋᐊ ᕐᓗ ᒍ ᓅᑦᑕᐅ ᓂᖏ ᓐᓄᑦᑲ ᑎᓐᓂᖏ ᓐᓄᑦ,ᓄᓇᓕᕆ ᓂᕐᒧᑦᐊ ᕕ ᑦᑐᖅᓯᒪᔪᑦᓂᐅᖓ ᓂᖃᕈᓐᓇᖅᑐᑦ
ᓴᖑᖓ ᓂᖃᒻᒪᕆ ᓪ ᓗ ᑎᑦ. ᑐᑭᓕᐊ ᖅᑐᑦ ᑎᑎᕋᖅᑕᐅᓯᒪᔪᑦ ᖄᖓ ᒎᖅᑐᓘ ᓐᓃᑦᑕᐃ ᔭᐅ ᔪᖅ ᐊ ᑦᑐᕐᕕ ᖏ ᑦ. ᑲ ᑎᕝᕕ ᓪ ᓗ ᐊ ᕆ ᔭᖓ ᓂᑦ,
ᑕᑯᔅᓴᐅ ᑎᑕᐅ ᔪᖅ ᑎᑎᑯᑖᔅᓯᒪᓪ ᓗ ᓂ,ᑭᓯᐊ ᓂ ᓇᓗ ᓇᐃ ᖅᓯᒪᑦᑎᐊᖏ ᑉᐸ ᑦ,ᑕᑯᔅᓴᐅᑎᑕᐅ ᔪᑦᑎᑎᖅᑕᐅᑲ ᐃ ᓐᓇᖃᑦᑕᖅᑐᓂ ᑐᑭᓕᐊ ᖅᑐᓂᑦ.
ᑎᑎᑯᑖᔅᓯᒪᔪᑦ ᓄᓇᖑᐊ ᒥᑦ ᐊ ᓯᔾᔨ ᖅᑕᐅ ᔪᓐᓇᖅᑐᖅ ᐊ ᓯᖏ ᓐᓄᑦ ᓇᓗ ᓇᐃ ᒃᑯᑕᓄᑦ ᑎᑎᑯᑖᔅᓯᒪᔪᒥᑦ (ᐱᖓ ᓱᓂᑦ ᓴᓂᕋᓕᒃ,ᒥᑭᔪᑦ
ᑎᑎᖅᓯᒪᔪᑦ,ᖃᔾᔪᓐᖑᐊ ᑦ,ᐊᓯᖏ ᓪ ᓗ)ᑐᑭᓯᒋᐊ ᕈᑎᖃᖅᑎᑦᑎᓂᖅᓴᐅ ᔪᑦᑎᑎᑯᑖᔅᓯᒪᔪᒧᑦ.ᐆ ᑦᑑᑎᒋᓗ ᒍ,ᑲ ᑎᓐᓂᖏ ᑦᐱᖓ ᓱᑦᓄᓇᐃ ᑦ
ᑕᑯᔅᓴᐅ ᑎᑦᑎᔪᖅ ᓴᓂᕋᖓ ᐱᖓ ᓱᓂᑦᓴᓂᕋᓕᓐᓂᑦᖁᕝᕙᕆ ᐊ ᖅᓯᒪᔪᖅ ᓴᓂᕌ ᓅᖅᑐᓂ ᐱᖓ ᓱᓂᑦᓴᓂᕋᓕᒻᒨᖏ ᑦᑐᖅ.ᐊ ᔾᔨ ᒌᖏ ᑦᑐᓕᒫᑦ
ᓇᓗ ᓇᐃ ᒃᑯᑕᐃ ᑦᑎᑎᖅᓯᒪᔪᓂᑦᓇᓗ ᓇᐃ ᔭᖅᓯᒪᔪᑦᓄᓇᖑᐊ ᑉᓇᓗ ᓇᐃ ᒃᑯᑕᖏ ᑦ.ᐊ ᑎᖃᖅᑐᑦᖁᓕᕇ ᑦᑐᑦᑕᑯᔅᓴᐅ ᑎᑕᐅᔪᑦᓄᓇᖑᐊ ᒥᑦ

ᑎᑎᑲ ᓪ ᓚ ᔅᓯᒪᔪᑦ ᕿᑭᖅᑕᑲ ᓪ ᓚ ᒥᓪ ᓗ ᓇᓗ ᓇᐃ ᒃᑯᑕᖓ.ᓇᓗ ᓇᐃ ᒃᑯᑕᐃ ᑦ ᐱᖓ ᓲ ᓕᖅᑲ ᖓ ᔪᑦ:ᑎᑎᑯᑖᔅᓯᒪᔪᖅ,ᓇᑦᑐᓂ ᑎᑎᖅᓯᒪᔪᖅ,
ᐊᒻᒪᓗ ᓈᓴᐅ ᑎᖓ.ᑎᑎᑯᑖᔅᓯᒪᔪᖅ ᑕᐃ ᔭᐃ ᔪᖅ ᑎᑎᖅᑕᐅᑐᐃ ᓐᓇᖅᑐᖅ,ᐊ ᒻᒪ ᑕᑯᔅᓴᐅ ᑎᑦᑎᔪᖅ ᖁᓕᕇ ᑦᑐᑦᓄᓇᒧᑦᓇᓕᒧᓐᓂᖃᖅᑐᑦ.
ᓅᔅᓯᒪᔪᓂᑦ ᓄᓇᐅᑉ ᖄᖓ ᓃᑦᑐᓂᑦ ᑐᕌ ᕐᓂᖃᖅᑐᖅ ᓄᓇᒧᑦ ᓇᓕᒧᓐᓂᖃᖅᑐᓂ,ᖃᓄᐃ ᑦᑐᑐᐃ ᓐᓇᐃ ᑦ ᐅ ᕕ ᖓ ᔪᓂᑦ ᑎᑎᖅᓯᒪᔪᑦ
ᑐᕌ ᕐᓂᖃᖅᑐᑦ ᓄᓇᒧᑦ ᓇᓕᒧᓐᓂᖃᖅᑐᑎᑦ (ᐃ ᓱᒪᒋᓐᖑᐊ ᑲ ᐃ ᓐᓇᕈᒃ ᐱᓱᑦᑎᓪ ᓗ ᑎᑦ ᖃᖅᑲ ᔮᑉ ᓴᓂᕌ ᒍᑦ,ᐅ ᐸ ᒐᔅᓴᐅ ᓂᐊ ᓴᑐᐃ ᓐᓇᖅᑐᖅ
ᖁᒻᒧᐊᒐᓂ ᐊ ᒻᒧᐊ ᒐᓂᓘ ᓐᓃᑦ,ᑭᓯᐊᓂ ᒪᑭᑕᑦᑎᐊ ᖅᑐᖅ).ᓇᐃ ᑦᑐᑦ ᑎᑎᖅᓯᒪᔪᑦ ᑕᐃ ᔭᐅ ᔪᑦ ᑎᑎᑲ ᓪ ᓚ ᔅᓯᒪᔪᑦ ᑐᑭᓕᐊ ᖅᑐᑦ,ᐊ ᒻᒪ
ᑕᑯᔅᓴᐅ ᑎᑦᑎᔪᖅ ᖁᓕᕇ ᑦᑐᑦᖃᓄᑎᒋ ᓯᕕ ᖓ ᒻᒪᖔ ᑕ.ᓈᓴᐅ ᑎᖓ ᑕᐃ ᔭᐃ ᔪᑦᑎᑎᑲ ᓪ ᓚ ᔅᓯᒪᔪᖅ,ᐊ ᒻᒪ ᑕᑯᔅᓴᐅᑎᑦᑎᔪᖅ ᖁᓕᕇ ᑦᑐᑦ
ᖃᓄᑎᒋ ᓯᕕ ᖓ ᒻᒪᖔ ᑕ, ᑎᕇ ᔅᑯᑎᒍᑦ, ᒪᓂᕋᑦᑐᒥᑦ. ᖁᑦᑎᓂᖅᓴᐅᑎᓪ ᓗ ᒍ ᓈᓴᐅ ᑎᖓ, ᓯᕕ ᖓ ᓂᖅᓴᐅ ᔪᖅ ᖁᓕᕇ ᓐᓂᖏ ᑦ,
ᑎᑎᖅᑕᐅ ᑐᐃ ᓐᓇᖅᓯᒪᔪᑦ ᓇᓗ ᓇᐃ ᒃᑕᐃ ᑦ ᐋᖅᑭᒋᐊ ᖅᑕᐅ ᔪᓐᓇᖅᑐᑦ ᑐᑭᓯᒋᐊᕈᑎᖃᖅᑎᑦᑎᑲ ᓂᕐᓂᐊ ᕐᒪᑦ ᓯᕕ ᖓ ᔪᒥᑦ ᖁᓕᕇ ᑦᑐᓂᑦ
ᑎᑎᑯᑖᔅᓯᒪᔪᑦᑕᐃ ᒪᐃ ᒍᓐᓇᑎᓪ ᓗ ᒋᑦ,ᐊ ᒻᒪᑖᒃᑯᐊ ᐊ ᓯᔾᔨ ᕈᑎᐅ ᔪᓐᓇᓗ ᓇᐃ ᔭᖅᓯᒪᔪᑦᓄᓇᖑᐊ ᑉᓇᓗ ᓇᐃ ᒃᑯᑕᖏ ᓐᓂ.

Indᓄᓇᒧᑦᓄᓇᖑᐊ ᓕᒫᑦᑎᑎᕋᖅᓯᒪᔪᖃᐅ 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 ᓯᒪᓪ ᓗ ᑎᑦ.ᓄᓇᖑᐊ ᒧᑦ ᓇᓗ ᓇᐃ ᒃᑯᑕᐃ ᑦ ᐱᒋᐊ ᖅᓯᒪᔪᑦ ᑎᑎᕋᖅᓯᒪᔪᓂᑦ

ᑕᑯᔅᓴᐅ ᑎᑦᑎᔪᑦᐊ ᒥᐊ ᖓ ᑎᑎᖅᑲ ᖓ ᓗ ᐊ ᑐᓂ ᓄᓇᖑᐊ ᓕᒫᓂᑦ,ᐱᒋᐊᖅᓯᒪᓪ ᓗ ᓂ ᖁᓛ ᓂ ᐅ ᔭᖅᑲ ᖃᕈᕋᑖᕐᓂᖅᐹᖑᔪᑦ,ᐊ ᑎᖓ ᑦᑕᐅ ᑦ
ᐃ ᓛ ᒃᑰᖓ ᓂᖓ (ᐱᑕᖃᕈᓂ) ᐊᒻᒪ ᓇᓗ ᓇᐃ ᔭᖅᓯᒪᒐᓛ ᓐᓂᖓ ᖃᓄᐃ ᑦᑑᓂᖏ ᑦ ᐅᔭᖅᑲ ᐃ ᑦ ᐊ ᕕ ᑦᑐᖅᓯᒪᔪᒥᑦ, ᐊ ᔾᔨ ᒌᖏ ᑦᑐᑦ
ᖃᓄᐃ ᑦᑑᓂᖏ ᑦᓴᑎᑎᑯᑖᔅᓯᒪᔪᓂᑦᓄᓇᖑᐊᒥᑦᓇᓗ ᓇᐃ ᔭᖅᑕᐅ ᓯᒪᔪᑦ,ᐊ ᒻᒪ ᐊ ᔾᔨ ᒌᖏ ᑦᑐᓕᒫᑦᑎᑎᑲ ᓪ ᓚ ᔅᓯᒪᔪᑦᑐᑭᓕᐊ ᖅᑐᑎᑦᐊ ᒻᒪ
ᑕᖅᓴᐅ ᔮᖅᑐᑦ ᓇᓗ ᓇᐃ ᒃᑯᑕᐃ ᑦ. ᓄᓇᖑᐊ ᒧᑦ ᓇᓗ ᓇᐃ ᔭᖅᓯᒪᓂᖏ ᑦ ᓇᓗ ᓇᐃ ᔭᐃ ᓯᒪᓂᐊ ᕐᒥᔪᑦ ᖃᓄᐃ ᑦᑐᑐᐃ ᓐᓇᕐᓂᑦ ᐊ ᓯᖏ ᓐᓂᑦ
ᓄᓇᒧᑦᓇᓗ ᓇᐃ ᒃᑕᐃ ᑦᐊ ᑐᖅᑕᐅ ᔪᓂᑦᓄᓇᖑᐊ ᒥᑦ(ᐆ ᑦᑑᑎᒋᓗ ᒍ ᓇᒦᓐᓂᖏ ᑦᐅ ᔭᖅᑲ ᐃ ᑦᓇᓂᔭᐅᔪᑦ,ᓇᒦᓐᓂᖏ ᑦᓴᕕ ᕋᔭᑦᑎᐊ ᕙᐃ ᑦ,
ᐊᒻᒪ ᐊ ᓯᖏ ᑦ ᓄᓇᖓ ᓂᑦ ᑕᑯᔅᓴᐅᑎᑦᑎᔪᑦ ᐱᒻᒪᕆ ᐅ ᔪᓐᓇᖅᑐᑦ ᐊ ᕕ ᑦᑐᖅᓯᒪᔪᒧᑦ ᑎᑎᕋᖅᑕᐅ ᓯᒪᔪᑦ ᓄᓇᖑᐊ ᒥᑦ). ᐱ−ᔪᑎᒋᓪ ᓗ ᒍ
ᓄᓇᓕᕆ ᓂᐅ ᔪᖅ ᐊ ᕕ ᑦᑐᖅᓯᒪᔪᓕᒫᓂᑦᐊ ᔾᔨ ᒌᖏ ᑐᐃ ᓐᓇᐃ ᑦ,ᓄᓇᖑᐊ ᒧᑦᓇᓗ ᓇᐃ ᒃᑯᑕᐃ ᑦᐱᒻᒪᕆ ᐅ ᔪᖅ ᑐᑭᓯᑦᑎᐊ 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;ᐊ ᒡᒍᖅᓯᒪᔪᓂᑦ {PL)ᐊ ᓯᐊ ᓄᑦ
ᐊᑦᑐᐊ ᓂᖃᕈᓐᓇᖅᑐᖅ ᐅ ᕝᕙᓘ ᓐᓃᑦᐅ ᔭᖅᑲ ᖃᖃᐅ ᖏ ᓪ ᓗ ᓂ MetaIncognitaPeninsula−ᒥᑦ.ᐊ ᒥᓱᒐᓚ ᐃ ᑦᑲ ᑎᓐᖓ ᐅ ᖅᑐᑦmagmatic
(sills)ᑎᑎᕋᖅᑕᐅ ᓚ ᐅ ᖅᑐᑦ ᐊ ᒻᒪ ᖃᐅ ᔨ ᓴᖅᑕᓪ ᓚ ᑐᐊ ᕆ ᔭᐅ ᓂᐊᖅᑐᑦ (ᓄᓇᖑᐊ ᑦ ᐊ ᒡᒍᖅᓯᒪᔪᑦ {LHu, {LHm, {LHd). ᑖᒃᑯᐊ
ᑮᓇᐅ ᔭᓕᐅ ᕋᓱᐊ ᕈᑎᔅᓴᐅᔪᓐᓇᕐᓂᖏ ᓐᓄᑦ ᐱᒻᒪᕆ ᐅ ᔪᑦ ᐃ ᓗ ᓕᖃᐅ ᕐᒪᑕ ᓴᕕ ᕋᔭᔅᓴᓖ ᑦ ᐅᔭᕋᓐᓂᐊ ᕋᔅᓴᐅ ᔪᓐᓇᖅᑐᑦ (sulp hides),ᐅ ᒻᒪ
ᓴᖅᑭᖃᑦᑕᕐᓂᖏ ᑦ ᓇᓗ ᓇᐃ ᖅᓯᔪᓐᓇᖅᑐᑦ 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 ᑎᖅᓯᒪᔪᖅ ᐆ ᓇᖅᓯᓂᒥᓂᖓ ᖃᐅᔨ ᔭᐅ ᓚ 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 ᐊᒻᒪ
ᑎᑎᕋᖅᑕᐅᓯ,ᒪᔪᖅ ᑕᒪᒃᑭᓐᓂ ᐊ ᓯᐊ 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 ᓯᑎᐱᐊ ᖅᑕᐅ ᓗ ᓂ ᐊ ᑐᖅᑕᐅ ᓂᖏ ᑦ ᑕᑯᔅᓴᐅ ᑎᑦᑎᔪᑦ ᐅ ᐊ ᑦᑎᐊ ᕈᒻᒪᕆ ᐊ ᓗ ᓂᑦ
ᓄᓇᖓ ᐊ ᓯᔾᔨ ᐸ ᓪ ᓕᐊ ᓂᖓ ᓄᓇᕗᑦ.

ᖃᓄᖅ ᐅᖃᓕᒫᕋᔅᓴᐅᒻᒪᖔ ᑦᓄᓇᖑᐊᖅ

2 0 2 4 6 8km

ᓴᖅᑭᑎᑕᐅᒋᐊᕐ ᖓ ᖅᓯᒪᔪᑦ

ᑖᒃᑯᓂᖓ ᖃᐅᔨᓴᖅᑎᓄᑦ
ᐋᖅᑭᒋᐊᖅᑕᐅᓯᒪᖏ ᑦᑐᑦ.

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

ᑎᑎᕋᖅᓯᒪᔪᑦᓈᓴᐅ ᑎᖓ.M183-1/257-2016S-PDF
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ᑲᓇᑕᒥ ᓄᓇᖑᐊᓕᕆᔨᒃᑯᑦᖃᐅᔨᒋᐊᕐᕕᖏ ᑦᐃᓚᒍᑕᖏ ᓪᓗ ᐊᑦᑐᐊᓂᖃᖅᑐᓄᑦ
ᓴᖅᑭᖅᑎᑕᐅᔪᑦᓄᓇᒥᖃᐅᔨᓴᓂᕐᒧᑦᑲᓇᑕᒥᓄᓇᖑᐊᑦ

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

ᑖᓐᓇ ᓄᓇᖑᐊ ᖅ ᓇᓗ ᓇᐃ ᔭᐃ ᔪᖅ ᖃᐅ ᔨ ᓴᖅᑎᓪ ᓗ ᒋᑦ
ᖃᐅ ᔨ ᔭᐅᔪᑦ Clearwater Fiord (north) ᓄᓇᖑᐊ ᖅ
8−ᓂᑦ ᐱᓇᓱᐊ ᕈᓯᕐᓂᑦ ᐊ ᕕ ᑦᑐᖅᓯᒪᔪᒥᑦ ᐊ ᒻᒪ
ᖃᐅ ᔨ ᓴᕐᓂᖃᓗ ᐊ ᓚ ᐅ ᖅᑐᑦ ᖁᐊ ᖑᐃ ᓐᓇᖅᑐᒥᑦ
ᓄᓇᖑᐊ ᓕᐅ ᓂᕐᒥᑦᐱᖓ ᓐᓇᖓ ᓂ ᓴᐅᒥᒻᒥᑦ. 2015−ᒥ
ᖃᐅ ᔨ ᓴᕐᓂᐅ ᔪᖅ ᐱᔭᕇ ᖅᓯᓚ ᐅ ᖅᑐᖅ ᐊ ᕐᕌᒍᓂᑦ ᐊ ᕙᑎᓂᑦ
ᐱᓕᕆ ᐊ ᖑᔪᖅ ᐅᓪ ᓗ ᒥᒨᖓ ᓕᖅᑎᑕᐅᓪ ᓗ 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 ᖃᑦᑕᐅᑎᓪ ᓗ ᑎ
ᖃᓄᐃ ᓘ ᖃᑦᑕᐅ ᑎᓂᖏ ᑦᓇᓗ ᓇᐃ ᖅᓯᔪᖅ ᐱᕙᓪ ᓕᐊ ᓂᖓ

maficᑎᑭᑦᑐᒍ silicicmagmatism.ᒫᓐᓇᐅ ᔪᒥᑦᑕᑯᔅᓴᐅ ᔪᖅ
ᖁᑦᑎᓂᖅᓴᖓ ᒍ amp hibolite ᐊ ᑎᓐᓂᖓ ᓄᑦ granulite
faciesmetamorp hicᖃᓄᐃ ᓐᓂᕆ ᔭᖏ ᑦᖁᓕᕇ ᖃᑦᑕᐅᑎᔪᑦ
ᒪᑭᑕᑦᑎᐊ ᕈᓐᓇᕐᓂᖓ ᑭᓪ ᓕᖃᖅᑎᑦᑎᔪᖅ magnetite ᐊ ᒻᒪ
orthop yroxene, ᒪᓕᓐᓂᖃᖅᑐᖅ ᓇᓕᒧᑦᑎᑦᑎᓂᕐᒦᑦᑐᓂᑦ
ᐊᔾᔨ ᓐᖑᐊ ᑦ ᐊ ᒻᒪ ᐊ ᕕ ᑦᑐᖅᓯᒪᔪᒥᑦᖃᖓ ᑕᓲ ᒃᑯᑦ
ᓂᐱᖅᑲ ᕐᓇᖃᕐᓂᖓ ᓄᑦ ᑐᑭᓯᒋᐊ ᕈᑏ ᑦ. Metasedimentary
ᐅᔭᖅᑲ ᐃ ᑦ,ᐱᖃᓯᐅ ᑎᓪ ᓗ ᑎ q uartzite,p elite,ᑐᓐᓅᔭᖅ,ᐊ ᒻᒪ
ᐊᕕ ᑦᑐᖅ metagreywacke, ᑕᑯᔅᓴᐅ ᑎᑕᐅ ᔪᑦ ᐊ ᒻᒪ
ᐊᕕ ᑦᑐᖅᓯᒪᔪᓂᑦ ᐊ ᑯᓐᓂᖏ ᓐᓂ ᐃ ᓗ ᐊ ᓂᓗ p lutonic
ᐃ ᓗ ᓕᓖ ᑦ.ᖃᐅ ᔨ ᓴᖅᑕᐅ ᓂᕆ ᔭᖓ ‘ᑕᕐᕋᐃ ᑦᑐᖅ’ᓄᓇᓕᕆ ᓂᕐᒧᑦ
ᓇᓗ ᓇᐃ ᖅᓯᔪᖅ 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
Cle arwate r Fiord (north)m ap are afollowing e ightwe e ks
of re gionaland targe te d be d roc k m apping on we ste rn
HallPe ninsula.T he 2015fie ld c am paign c om ple te sa
two-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 a
progre ssion from m afic to silic ic m agm atism.Pre vailing
uppe r am phibolite to lowe r granulite fac ie sm e tam orphic
c ond itionsove rlap the stability lim itsof 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,Cle arwate r Fiord
(north),ᕿᑭᖅᑖᓗ ᒃ,ᓄᓇᕗᑦ;ᓄᓇᙳ ᐊ ᓕᕆ ᓂᕐᒧᑦᖃᐅ ᔨ ᓴᖅᑏ ᑦᑲ ᓇᑕᒥ,
ᑲ ᓇᑕᒥᓄᓇᓂᑦᖃᐅ ᔨ ᓴᓂᕐᒧᑦᓄᓇᙳ ᐊ ᖅ 257S(ᐱᒋᐊ ᕐᓂᖓ);
ᓄᓇᕗᓪ ᓗ ᐅᔭᖅᑲ ᓂᑦᖃᐅ ᔨ ᓴᖅᑏ ᑦᑎᑎᕋᕐᕕ ᖓ,ᒪᑐᐃ ᖓ ᔪᖅ ᓄᓇᖑᐊ ᖅ
2016-14S,ᐊ ᖏ ᓂᖓ 1:100000.d oi:10.4095/298760

ᓄᓇᙳ ᐊ ᓕᕆ ᔪᖅ N.Cô té

ᑐᑭᓕᐅᕆ ᔭᐅ ᔪᖅ ᖃᓪ ᓗ ᓈᑎᑐ ᐃ ᓄᒃᑎᑐᒧᑦW intranslation;ᑐᑭᓕᐅ ᕆ ᓯᒪᔪᖅ ᓱᓕ
ᓈᒻᒪᒃᑲ ᓗ ᐊ ᕆ ᐊ ᒃᓴᖅ ᐅ ᖃᐅᓯᐅ ᓯᒪᙱ 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 ᒻᒥᑐᑭᒧᐊ ᖅᑎᑕᐅ ᓪ ᓗ ᓂ
ᓄᓇᙳ ᐊ ᓕᕆ ᓂᕐᒧᑦᖃᐅ ᔨ ᓴᖅᑏ ᑦᑲ ᓇᑕᒥ (GSC)ᐱᓕᕆ ᖃᑎᖃᖅᖢᑎᑦᑲ ᓇᑕᒥᓄᓇᕗᓪ ᓗ ᓄᓇᐅ ᑉ
ᖄᖓ ᓃᑦᑐᓂ ᖃᐅ ᔨ ᓴᖅᑐᓕᕆ ᔨ ᒃᑯᑦᑎᑎᕋᕐᕕ ᖓ ᓂ (CNGO),ᓄᓇᕗᒻᒥᓯᓚ ᑦᑐᖅᓴᕐᕕ ᒃ,ᑲ ᐅᕈᑕᓐ
ᓯᓚ ᑦᑐᖅᓴᕐᕕ ᒃᔪᐊ ᖅ,ᓯᓚ ᑦᑐᖅᓴᕐᕕ ᒃᔪᐊ ᖓ ᐋ ᒃᕗᑦ,ᐊ ᒻᒪᓗ ᓄᓇᕗᑦᒐᕙᒪᒃᑯᑦ.

ᐃ ᖅᑲ ᓇᐃ ᔭᖅᑐᓕᕆ ᓂᕐᒧᑦᐃ ᑲ ᔪᖅᑐᑦᓯᓚ ᕐᔪᐊ ᒥᐅ ᑭᐅ ᑕᖅᑐᖓ ᓂ ᐱᓕᕆ ᐊ ᖅ ᐃ ᓚ ᒋᓪ ᓗ 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 ᒃᑐᖅᓯᒪᓂᒃᑯᑦ19.
North Am e ric an Datum 1983

ᓄᓇᙳ ᐊ ᑉᐆ ᒃᑐᕋᖅᑕᐅᓯᒪᓂᖓ ᒍᑦ1:250000ᓄᓇᒥᐅ ᑕᓕᕆ ᔨ ᒃᑯᓐᓂᑦᑲ ᓇᑕᒥ,ᐋ ᖅᑭᒋᐊ ᖅᑕᐅ ᓯᒪᓪ ᓗ ᑎᑦ.
ᖁᕝᕙᓯᓐᓂᖓ ᒦᑕᓂᑦᖁᓛ ᒍᑦᑐᑭᖃᖅᑐᖅ ᐃ ᒪᐅ ᑉᓇᐅ ᒃᑰᕐᓂᖓ ᑕ ᖁᕝᕙᓯᖕᓂᖓ

ᑐᑭᑲ ᖅᑐᖅ ᓂᐱᓐᓇᖅᑐᖃᕐᓂᖓ ᑕ ᒥᑭᒡᓕᕙᓪ ᓕᐊ ᓂᖓ 2016,31°52'W,ᒥᒃᖠᕙᓪ ᓕᐊ ᓪ ᓗ ᓂ 29.2'ᐊᕐᕌ ᒍᑕᒫᑦ.
ᓇᓃᓐᓂᖏ ᓐᓄᑦᖃᐅ ᔨ ᓇᓱᖕᓂᖅ ᐊᔾᔨ ᒌᖏ ᑦᑐᑦᐅ ᕙᙵ 31°26'W ᐱᖓ ᖕᓇᖅ ᐅ ᕙᓂ ᓂᒋᐊ ᑕ
ᐱᖓ ᖕᓇᖅᐸ ᓯᐊ ᓂ ᑎᕆ ᖅᑯᐊᓂᑦᐅ ᕗᖓ 32°15'W ᐱᖓ ᖕᓇᖅ ᐅ ᕙᓂ ᐅ ᐊᖕᓇᖓ ᑕ
ᑲ ᓇᖕᓇᖅᐸ ᓯᐊ 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:ᐊ ᓴᓇᓯᒪᑦᑎᐊ ᖅᑐᖅ,ᐊ ᒻᒧᐊ ᖓ ᔪᖅ,ᓴᓐᓂᖓ ᔪᑦᐃ ᑳᖓ ᔪᑦᐅ ᐊ ᓐᓇᒧᑦᑐᔅᓯᕋᐅᑕᐅᓂᐊ ᖅᑐᒥᑦᕿᑭᖅᑖᓗ ᒻᒥ
ᓄᓇᖓ ᑲ ᑎᓐᖓ ᓂᖓ.ᐊ ᖏ ᓂᖓ ᓯᐊ ᓐᑕᒦᑕᒃᑰᖅᑐᑦ.ᐃ ᓱᐃ ᑦᑐᖅ,ᕿᑭᒻᑖᓗ ᒃᓄᓇᕗᑦᐊᖏ ᓂᖓ ᐊ ᖏ ᔾᓕᕙᓪ ᓕᐊ ᓂᖓ
ᓯᐊ ᓐᑕᒦᑕᐃ ᑦ,ᐃ ᓱᐃ ᑦᑐᖅ,ᕿᑭᖅᑖᓗ ᒃ,ᓄᓇᕗᑦ.ᐊ ᔾᔨ ᓕᐅ ᕆ ᔪᖅ T.Chad wic k.2015-128

ᓄᓇᙳ ᐊ ᓕᕆ ᓂᕐᒧᑦᖃᐅ ᔨ ᓴᖅᑏ ᑦᑲ ᓇᑕᒥᑐᙵ ᓱᒃᑎᑦᑎᔪᑦᐋ ᕿᒋᐊ ᕈᑎᓂᑦᐃ ᓚ ᒋᐊ ᕈᑎᓂᒡᓘ ᓐᓃᑦᑐᑭᓯᒋᐊ ᒃᑲ ᓐᓂᕈᑎᓂ
ᐊᑐᖃᑦᑕᖅᑐᓄᑦ.

ᑐᑭᓯᒋᐊ ᕈᑎᖏ ᑦᐱᖃᓯᐅ ᔾᔨ ᔪᓐᓇᖅᑐᑦᑕᑯᔭᐅ ᒃᑲ ᓂᖅᑐᓂᑦᑕᑯᔅᓴᐅ ᑎᑕᐅᖏ ᑦᑐᓂᑦᓄᓇᙳ ᐊ ᕐᒥᑦ.
ᑕᑯᓗ ᒍ ᑎᑎᕋᖅᓯᒪᔪᑦᐃ ᓚ ᓕᐅᔾᔭᐅ ᓯᒪᔪᑦᑖᒃᑯᓇᓂ ᑲ ᑎᕐᓱᒐᕐᓂ.
ᓇᓗ ᓇᐃ ᔭᖅᓯᒪᒃᑲ ᓂᕐᓂᖏ ᑦᑎᑎᕋᖅᓯᒪᔪᑦ,ᖃᐅ ᔨ ᒋᐊ ᕐᕖᑦ,ᐊ ᒻᒪᐊ ᔾᔨ ᓐᖑᐊ ᑦᓄᓇᖑᐊ ᒦᑦᑐᖅ ᑐᑭᓯᒋᐊ ᕈᑎᖏ ᓐᓂᑦᑎᑎᕋᖅᓯᒪᔪᓂᑦ.

ᑖᓐᓇ ᓴᖅᑭᖅᑎᑕᐅᔪᖅ ᐊ ᑭᖃᖏ ᑐᑦᖃᕋᓴᐅ ᔭᒃᑯᑦᐊᑐᐃ ᓐᓇᐅᔪᑦᐅ 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 257S
ᓄᓇᕗᓪᓗ ᐅᔭᖅᑲᓂᑦᖃᐅᔨᓴᖅᑏᑦᑎᑎᕋᕐ ᕕᖓ

ᒪᑐᐃᖓ ᔪᖅ ᓄᓇᖑᐊᖅ 2016-14S
ᓄᓇᓂ ᖃᐅᔨᓴᕐ ᓂᖅ

CLEARW ATER

FIO RD(NO RTH)
ᕿᑭᖅᑖᓗ ᒃ,ᓄᓇᕗᑦ
1:100000

ᓄᓇᙳ ᐊᓕᕆᓂᕐ ᒧᑦᖃᐅᔨᓴᖅᑏᑦᑲᓇᑕᒥ
ᑲᓇᑕᒥᐅᔭᖅᑲᓂᑦᖃᐅᔨᓴᓂᕐᒧᑦᓄᓇᖑᐊᑦ

ᓄᓇᓂ ᖃᐅᔨᓴᕐᓂᖅ

CLEARW ATERFIO RD(NO RTH)
ᕿᑭᖅᑖᓗ ᒃ,ᓄᓇᕗᑦ
1:100000

ᐊᑐᓕᖁᔭᐅᔪᑦᐅᖃᖅᑕᐅᓯᒪᔪᑦᖃᐅᔨᒋᐊᕐᕖᓘᓐᓃᑦ

ᓄᓇᙳ ᐊᓕᕆᓂᕐ ᒧᑦᖃᐅᔨᓴᖅᑏᑦᑲᓇᑕᒥ

ᑲᓇᑕᒥᓄᓇᓂᑦᖃᐅᔨᓴᓂᕐ ᒧᑦᓄᓇᙳ ᐊᖅ 257S
ᓄᓇᕗᓪᓗ ᐅᔭᖅᑲᓂᑦᖃᐅᔨᓴᖅᑏᑦᑎᑎᕋᕐ ᕕᖓ

ᒪᑐᐃᖓ ᔪᖅ ᓄᓇᖑᐊᖅ 2016-14S
ᓄᓇᓂ ᖃᐅᔨᓴᕐᓂᖅ

CLEARW ATERFIO RD(NO RTH)
ᕿᑭᖅᑖᓗ ᒃ,ᓄᓇᕗᑦ

QUATERNARY

O RDO VICIAN

NEO PRO TERO ZO IC

MESO PRO TERO ZO IC–CENO ZO IC

PALEO PRO TERO ZO IC

ARCHEAN

ᖃᓄᖅᐅᖃᓕᒫᕋᔅᓴᐅᒻᒪᖔ ᑕ ᓇᓗᓇᐃᒃᑯᑕᓖ ᑦ
ᓇᓗ ᓇᐃ ᒃᑯᑕᐃ ᑦᐊ ᑐᖅᑕᐅ ᒐᔪᑦᑐᑦCGM253S,CGM254S,CGM255S,CGM256S,CGM257S,
CGM258S,CGM259S,CGM260S,CGM261S,ᐊ ᒻᒪCGM262S.ᐊ ᒥᐊ ᓖ ᑦᓇᓗ ᓇᐃ ᒃᑯᑕᐃ ᑦ
ᓇᓗ ᓇᐃ ᖅᓯᔪᑦᓄᓇᖑᐊᒥᑕᑯᔅᓴᐅ ᔪᑦᑕᕝᕙᓂ ᓄᓇᖑᐊ ᒥ.ᐊ ᕐᕌᒍᖏ ᑦ(Eon)ᓄᓇᖑᐊ ᒥᓇᓗ ᓇᐃ ᖅᑕᐅ ᔪᑦ
ᓯᕗᓪ ᓕᖅᐹᖓ ᓂ ᑎᑎᕋᖅᓯᒪᔪᓂᑦ,ᓲ ᕐᓗ { (Pale oprote rozoic),ᓄᓇᐃ ᑦᐊ ᕕ ᔅᓯᒪᓂᖓ ᒍᑦᓇᒦᓐᓂᖓ
ᐊᑎᖓ,ᐊ ᑐᕆ ᐊ ᖃᕈᓂ,ᑐᖏ ᓕᐊ ᓂ ᐱᖓ ᔪᖓ ᓐᓂᓗ ᑎᑎᕋᖅᓯᒪᔪᑦᓲ ᕐᓗ.L H(L ake Harbour Group),
ᐊᒻᒪᐅ ᔭᖅᑲ ᓂᑦᖃᐅᔨ ᓴᕐᓂᖅ ᒥᑭᓂᖅᓴᐅᔪᓂᑦᑎᑎᕋᖅᓯᒪᔪᑦ,ᓲ ᕐᓗ.m o (orthorpyroxe ne -be aring
m onzogranite).

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.

/

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

+d Diabase d yke (Franklin swarm).

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

{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

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

Ge ologic alc ontac t

Approxim ate

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

Approxim ate

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

Sinistralslip

De xtralslip

Foliation form line

ᕿᕐᓂᖅᑕᐃ ᑦᓇᓗ ᓇᐃ ᒃᑯᑎᒋᔭᐅ ᔪᑦᓄᓇᙳ ᐊ ᕐᒥᓴᕿᑎᑦᑎᓯᒪᕗᑦᐃ ᓂᒋᔭᐅ ᔪᒥᑦ.ᓯᐊ ᕐᓇᐃ ᑦ
ᓇᓗ ᓇᐃ ᒃᑯᑏ ᑦᐅ ᑯᓂᖓ ᐆ ᒃᑐᕋᐅ ᑎᒍᑎᕕ ᓂᕐᓄᑦᓴᕿᔮᖅᑎᑕᐅᔪᓐᓇᙱ ᑦᑐᓄᑦᑕᕝᕙᓂ
ᓄᓇᙳ ᐊ ᕐᒥ;ᐃ ᓚ ᖃᖅᑐᑦᑕᒪᐃ ᓐᓂᑦᓴᓇᕕ ᐅᓯᒪᔪᓂᑦᐊ ᒻᒪᐃ ᓚ ᖏ ᓐᓂ 2015ᓴᓇᕝᕕ ᐅ ᓂᑯᓂᑦ.

Band ing,inc line d

Band ing,inc line d,d ip unknown

Be d d ing,inc line d

Contac t,inc line d

Faultplane,norm al,inc line d

Foliation,inc line d

Foliation,inc line d,d ip unknown

Foliation,ve rtic al

Frac ture,inc line d

She ar zone,ve rtic al

Faultgroove s

Glac ialstriae,flowd ire c tion unknown

Mine ralline ation

Rod d ing

Stre tc hing line ation

Antiform,d e fine d
f2

Antiform,ove rturne d,d e fine d
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

30

40

10

30

40

10

20

30

10