Advanced Explorations Inc.
2011 Project Summary
2012 Project Plans
Tuktu Project

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ᕿᑭᖅᑕᓂᒃ ᑯᑎᒍᑦ ᐱᔪᓐᓇᐅᑎᖓ ᐱᓇᓱᐊᕈᑦ ᑐᓂᔭ ᐅᓯᒪᔪᖅ

ᐋᖅᑭᑎᐊᖅᑕᑦ ᓅᕝ ᕗᐊᓇ, 2012ᒥ

EXECUTIVE SUMMARY

Advanced Explorations Inc.'s ("AEI" ᐅᕝ ᕙᓘᓐ ᓃᑦ "ᑎᒥᐅᔪᖅ") ᐱᓕᕆᐊᖑᑦ ᓄᑦ ᓇᐃᓈᕐ ᓯᒪᓪ ᓗᑎᒃ ᑎᑎᕋᕐ ᓯᒪᔭᖏ ᓇᓗᓇᐃᕐ ᓯᓯᒪᔪᑦ ᐱᓕᕆᐊᕆᔪᒫᕐ ᓂᐊᖅᑕᖏ ᓂᒃ ᑐᒃ ᑐ ᐱᓕᕆᐊᖕᙵ – HB-06, ᑕᒫᓂ 70 ᑭᒫᒥᑕ ᐅᖕᖁ ᓐ ᓂᓕᓪ ᒥ ᐱᖑ ᓇᖕᙵ ᓴᓂᕋᔭᐅᑉ, ᓄᓇᕗᒥ ᑕᒫᓂ ᐊᕐ ᕌᒍᒥ. ᑎᒥᐅᔪᖅ ᐱᓇᓱᐊᕐ ᓯᒪᔪᖅ ᐱᓕᕆᔪᓐ ᓇᐅᑎᓪ ᓚᑦ ᑖᓂᑦ /ᐱᔪᓐ ᓇᐅᑎᓪ ᓚᑦ ᑖᓂᓪ ᓗ ᑕᒪᑐᒧᖓ ᓄᓇᒧᑦ, ᑕᐃᒫᒃ ᓇᓗᓇᐃᔭᕐ ᓯᒪᒻ ᒪᑕ ᓯᕗᓕᐊᕈᑕᖕᙵᑖᒃ ᑯᐊ ᐅᓂᒃ ᑳᑦ .

ᐱᓕᕆᐊᖅ 15ᓂᒃ ᓇᒻ ᒥᓂᖅ ᓱᕈᓐ ᓇᐅᑎᑖᕈᑕᐅᓯᒪᒻ ᒪᑦ (HABS 1 to 11), ᓇᓗᓇᐃᒃ ᑯᓯᖅᑕᐅᓯᒪᔪᑦ ᓯᑎᐱᕆᒥ ᐅᑐᐱᕆᒧᑦ 2009ᒥ. HABS 12ᓂᑦ 15ᓄᑦ ᓇᓗᓇᐃᒃ ᑯᓯᖅᑕᐅᓯᒪᔪᑦ ᓯᑎᐱᕆ 2011ᒥ). ᓇᒻ ᒥᓂᖅ ᓱᕈᓐ ᓇᐅᑏᑦ ᓇᒻ ᒥᓂᕆᔭᐅᒻ ᒪᑕ ᑖᒃ ᑯᓄᖕᒐᕿᓂᖅᑎᓄᑦ Advanced Explorations Inc., ᐊᒻ ᒪᓗ ᐃᓚᒋᔭᐅᓪ ᓗᑎᒃ ᐃᖃᓗᒑᕐ ᔪᓐ ᓂ ᑲᑐᔾ ᔨᓪ ᓗᑎᒃ ᐱᓇᓱᐊᕈᑕᐅᔪᒧᑦ ᑖᒃ ᑯᓄᖕᒐᐃᖃᓗᒑᕐ ᔪᓐ ᓂᐱᓕᕆᔪᓄᑦ Roche Bay plc.

ᓴᓂᕋᔭᒻ ᒨᓗᐊᖅᖠ ᑕᕋᔭᖅᑐᑦ ᐊᑭᓕᖅᑕᐅᓯᒪᔪᓂᑦ ᖃᖕᒪᓖᕐ ᓂᑦ ᐊᑐᕐ ᓗᑎᒃ ᐃᖃᓗᓐ ᓂ,ᑦ ᔨᐊᓗᓇᐃᕝᒥᑦ, ᐊᒻ ᒪᓗ ᓇᑭᑐᐃᓐ ᓇᖅ ᐊᓯᖕᖏ ᓂᒃ ᐃᓪ ᓗᒐᓴᓕᖅ ᔪᐊᓂᑦ ᖁᓪ ᓗᓈᖕᖁ ᓄᖕᖑ ᓂ ᑲᓴᑕᒥ, ᖀᓖᓕᒃ ᑯᑦ ᑕᒪᐅᖕᖓ ᓄᓇᒃ ᑯᑦ ᐃᖕᖏ ᕋᖅᖠ ᑕᕋᔭᖅᑐᑦ ᐅᐱᕐ ᖕᖔ ᑯᑦ, ᐊᐅᔭᒃ ᑯᓪ ᓗ ᐅᑭᐊᒃ ᓵᑯᓪ ᓗ ᑭᓪ ᓕᖅᖢ ᓗᑎᒃ ᐊᑐᕈᓐ ᓇᕐ ᕕᓚᒫᖕᖏ ᓂ ᐊᑦ ᑎᓂᖅ ᐹᖕᖑ ᓂ ᐊᑐᖅᖠ ᑕᕐ ᓗᑎᒃ, ᐊᒻ ᒪᓗ ᐃᓱᒪᒋᔭᖅᑲᓇᐊᖅᖠ ᑕᕋᔭᖅᑐᑦ ᓄᓇᒃ ᑯᑦ ᐊᑐᕐ ᓴᐅᓂᖕᙳᑦ, ᐊᒻ ᒪᓗ ᓄᓇᒃ ᑯᑦ ᑭᓯᐊᓂ ᐃᖕᖏ ᕋᔭᕆᐊᖅᖤᐃᑉ ᐸᑕ ᐃᖕᖏ ᕋᖅᖠ ᑕᕐ ᓗᑎᒃ ᐊᒻ ᒪᓗ ᓯᓚ ᐱᔾ ᔪᑎᒋᓪ ᓗᒍ ᖁᓖᒎᓪ ᓗᑦ ᐃᖕᖏ ᕋᒎᓐ ᓇᖖᑕᐃᑉ ᐸᑕ. ᐅᑭᐅᒃ ᑯᑦ, ᖃᒧᑕᐅᔭᐃᑦ ᐊᒻ ᒪᓗ ᑯᑭᓖᑦ ᓱᓇᒃ ᑯᑖᑦ ᐊᑐᖅᑕᐅᖅᖠ ᑕᕋᔭᖅᑐᑦ ᓄᓇᒃ ᑯᑦ ᐊᐳᑎᖅᖠ ᑎᐊᑎᓪ ᓗᒍ ᑭᓯᐊᓂ.

ᐱᓕᕆᐊᖅ ᓄᓇᒦᙶᖅᑐᓂᒃ ᐅᔭᕋᑦ ᑕᕋᔅ ᓴᓂᒃ ᖃᓂᖅ ᓂᖅ ᒥᒃ ᐱᓕᕆᔅ ᔪᑕᐅᒻ ᒪᑦ ᖃᐅᔨᔭᐅᕋᑖᖅ ᓯᒪᔪᒥᒃ ᓴᕙᕋᔭᙲ ᓯᒪᔪᒥᒃ . ᑖᓐ ᓇ ᐃᓚᒋᔭᐅᓂᐊᖅᑐᖅ ᐊᖕᖏᖅ ᓴᒧᑦ ᐃᖃᓗᒑᕐ ᔪᓐ ᓂᕿᓂᖅ ᓂᖅ ᒧᑦ ᐸᕐ ᓇᑕᐅᓯᒪᔪᒧᑦ . ᐅᔭᕋᓐ ᓂᐊᕐ ᓂᖅ ᐱᒋᐊᖅᑎᑕᐅᓚᐅᕐ ᓯᒪᔪᖅ ᐊᒻ ᒪᓗ ᓄᓇᒋᖅᖠ ᑕᓂᐊᖅᖔᖅᑯᐋᖅᑭᑦ ᑕᐅᓚᐅᕐ ᓯᒪᔪᖅ 2011ᒥ. ᐱᓕᕆᐊᑉ ᑲᔪᓯᓂᕆᓂᐊᖅᑕᖔᖅᑯᐋᖅᑭᓯᒪᓂᖕᙲᓗ ᐱᕖᖅᖠ ᕖᖕᖏ 2012ᒧᑦ ᒪᓕᓐ ᓂᐊᖅᑐᑦ ᑮᓇᐅᔭᖅᑷᑎᒋᔪᓐ ᓇᖅᑕᖏ ᓂᒃ .

ᑖᒃ ᑯᐊ ᐱᓕᕆᐊᑦ ᓇᐃᓈᕐ ᓯᒪᔪᑦ ᐊᒻ ᒪᓗᐃᓱᒪᒋᔭᐅᓯᒪᔪᑦ ᐱᓕᕆᓂᖅ ᒧᑦ ᐸᕐ ᓇᐅᒻ ᒥ ᑐᓂᔭᐅᕗᑦ ᐃᓚᒋᔭᐅᓪ ᓗᑎᒃ AEIᑯᑦ ᐊᕐ ᕌᒍᑕᒫᑦ ᑐᓴᖅᑎᑦ ᑎᖅᖠ ᑕᕆᐊᖅᖠ ᓂᖏ ᓂᒃ ᐅᓂᒃ ᑳᖑᓗᑎᒃ .

ᐋᖅᑭᓱᒪᓂᖓ ᐃᓗᓕᖏ

2011 ᐱᓕᕆᐊᑉ ᒥᔅᓵᓄᑦ ᓇᐃᓈᖅᓯᒪᔪᑦ 4
ᓄᓇᒋᖃᑦᑕᖅᑕᖕᒐᓂ ᐃᓪᓗᐃᑦ 4
ᐃᑰᑕᕐᓂᖅ 4
ᓱᓇᒃᑯᑖᑦ 5
ᐃᒥᕐᒥᒃ ᐊᑐᕐᓂᖅ 5
ᓴᓃᑦ 6
ᐅᖅᓱᐊᓗᖃᐅᑎᖃᕐᕕᒃ 6
ᐆᒪᔪᐃᑦ/ᐃᖃᓗᐃᓪᓗ 7
ᓄᓇᒥᒃ ᐊᑦᑐᐃᓂᖅ 7
ᐃᑦᑕᕐᓂᓴᖃᕖᑦ 7
ᐃᖕᒐᖅᑐᑦ/ᑯᕙᔪᓪᓗ 8
ᖃᐅᔨᓴᕐᓃᑦ/ᐱᓕᕆᕙᒻᒧᑦ ᑕᑯᔭᖅᑐᖃᑦᑕᕐᓂᖅ 8
ᖃᖓᑕᓲᑦ 9
ᐊᕿᑎᓕᕆᓂᕐᒥ ᑐᙵᕕᐅᓂᐊᖅᑐᓂᑦ ᖃᐅᔨᓴᕐᓂᖅ 9
ᓴᓗᒻᒪᕐᓴᐃᓂᖅ 10
ᓄᓇᓕᖕᓂᑦ ᑐᓴᕆᐊᕐᕙᖃᕐᓂᖅ ᐊᒻᒪᓗ ᓄᓇᓕᖕᓂᑦ ᐃᖅᑲᓇᐃᔭᖅᑎᑦᑎᓂᖅ 10
ᐱᔭᕇᕐᑎᕆᓗᒍ 11
2012ᒥ ᐱᓕᕆᓂᕐᒧᑦ ᐸᕐᓇᐅᑏᑦ 11
ᐅᐃᒍᖓ ᐃ: ᓄᓇᙳᐊᑦ 12
ᓱᑯᑦᑎᐊᓃᓐᓂᖕᒐᑕ ᓇᓖᓂ ᓄᓇᙳᐊᖅ 12
ᐱᓕᕆᕙᖕᒐᑕ ᓇᓖᓂ ᓄᓇᙳᐊᖅ 13
ᓄᓇᒋᔭᐅᕙᑦᑐᑉ ᐋᖅᑭᓱᒪᓂᖕᒐ (ᑎᑎᕋᐅᔭᕐᓯᒪᑐᐃᓐᓇᖅᑐᖅ 14
ᐃᑰᑕᕐᕙᐅᕙᑦᑑᑉ ᓇᓖᓂ ᓄᓇᙳᐊᖅ – 2011ᒥ ᐱᓕᕆᓐᓇᒥ 15
ᓄᓇ ᐊᑐᖅᑕᖕᒐᑕ ᓇᓖᓂ ᓄᓇᙳᐊᖅ 16
ᐅᐃᒍᖓ ᐱ: ᓈᓴᐃᓃᑦ 17
ᓱᓇᒃᑯᑖᖕᒋᑕ ᓈᓴᖅᑕᐅᓯᒪᓂᖕᒋᑦ (ᓯᑎᐱᕆ, 2011ᒥ) 17
Camp Water Use & Source 18
Drill Water Use & Sources 18
Waste 19
ᐅᐃᒍᖓ ᑎ: ᐆᒪᔪᑦ 20
ᐅᐃᒍᖓ ᑭ: ᖃᖓᑕᓲᑦ 21
ᐅᐃᒍᖓ ᒋ: ᐃᒥᐅᑉ ᖃᓄᐃᑦᑑᓂᖓ ᓇᐃᓈᖅᓯᒪᓪᓗᑎᒃ 22
ᐅᐃᒍᖓ ᒥ: ᓄᓇᓕᖕᓂᑦ ᒪᑭᒪᓇᓱᐊᕐᓂᕐᒧᑦ ᐃᑲᔫᑏᑦ 23

2011 ᐱᓕᕆᐊᑉ ᒥᔅ ᓵᓄᕝ ᓇᐃᓅᕐ ᓯᒪᔪᑦ

ᑖᒃ ᑯᐊ ᐅᓂᒃ ᑳᑦ ᓇᐃᓅᕐ ᓯᒪᓪ ᓗᑎᒃ ᑎᑎᕋᕐ ᓯᒪᔪᑦ ᐱᓕᕆᐊᖑᔾᔪᑦ ᐱᓕᕆᕕᒻ ᒥ 2011ᖑᑎᓪ ᓗᒍ. ᕿᓂᕐ ᓂᕐ ᒧᑦ ᓄᓇᓯᔭᐅᕙᑦ ᑐᖅ ᐋᖅᑭᑦ ᑕᐅᔪᒻ ᒪᑦ ᐊᒻ ᒪᓗ ᐱᓕᕆᐊᖅ ᐱᒋᐊᖅᑎᑕᐅᓪ ᓗᓂ ᑲᓇᑕᐅᑉ ᓄᕐᑯᑎᖑᐸ ᓂᑭᓯᐊᓂ, ᐊᒻ ᒪᓗ ᐱᔪᓐ ᓇᖅᑎᑕᐅᓯᒪᓪ ᓗᑎᒃ ᐃᓄᓕᕆᔾᔪᖅᑯ ᑯᑎᒍᑦ ᓄᓇᒥᒃ ᐊᑐᕐ ᓂᕐ ᒧᑦ ᐱᔪᓐ ᓇᐅᑎᑎᒍᑦ ᐊᒻ ᒪᓗ ᓄᓇᖏ ᐃᒪᕐ ᒥᒃ ᐊᑐᕐ ᓂᕐ ᒧᑦ ᓚᐃᓴᒥᒃ ᑎᑎᕋᖅᑕᐅᓯᒪᔪᒥᒃ ᓯᕗᓕᐊᕈᑕᖕᓂᒪᑉ ᐱᒐᕐ ᓂᑕᕝ ᕙᓂᐅᓂᒃ ᑳᓂᑦ. ᐱᓕᕆᐊᕐ ᒧᑦ ᓄᓇᖕᖏᑦ ᐱᑕᓖᑦ ᐅᐃᒍᖕᓂᐃ-ᒥ, ᐱᖃᓯᐅᑎᓪ ᓗᒍ ᐅᓪ ᓗᒥ ᒨᖕᖒᖅ ᓄᓇᒥ ᓱᑯᑦ ᑎᐊᓃᓪ ᒪᖕᑍ ᓄᓇᖕᖏᖅ ᑕᑯᔅ ᓴᐅᓪ ᓗᑎᒃ ᑕᒪᒃ ᑮᒃ ᐊᑐᖅᑐᑦ ᐊᒻ ᒪᓗ ᓄᑖᑦ ᓇᓪ ᒥᓂᕐ ᓯᕈᓐ ᓇᐅᑎᖅᑰᑎᖕᖏ ᑖᒃ ᑯᐊ ᒫᓐ ᓇ ᐱᓕᕆᕕᖕᖏ ᓂᐊᑐᖅᑐᑦ.

ᓄᓇᕐᖅ ᑕᖅᑕᖕᓂᐃᓪ ᓗᐃᑦ

ᓄᓇᕐᖅ ᑕᖅᑕᖕᓂ ᐊᑐᑲᐃᓐ ᓇᑐᐃᓐ ᓇᓂᐊᖅᑐᓂᑦ ᑐᐱᖅᖃᔪᑦ ᐊᒻ ᒪᓗ ᑕᓛᓂ ᐊᕙᑎᓂᑦ (20) ᐃᓄᖅᑭᓐ ᓇᖅᑐᑎᒃ, ᑖᓐ ᓇ ᐊᖏ ᓕᒋᐊᖅᑕᐅᔪᔪᖅ ᐊᓯᒃ ᑲᓐ ᓂᖏᓂ ᐃᖅᑲᓇᐃᔭᖅᑎᓂᑦ ᐃᓄᖅᑭᓐ ᓇᓂᐊᕐ ᖑᖁ. ᑕᒪᕐ ᒥᒃ ᐊᐅᓚᔾ ᔪᑕᐅᔪᑦ ᐊᑐᑲᐃᓐ ᓇᖅᑐᑦ, ᐊᒻ ᒪᓗ ᐋᕋᔅ ᓴᐅᓪ ᓗᑎᒃ ᐱᔭᓈᖅᑲᑕ ᕿᓂᕐ ᓂᕐ ᒥᒃ ᓄᓖᖖᑐᓂᑦ. ᐃᖅᑲᓇᐃᔭᖅᑏᑦ ᐊᑐᔪᔪᑦ ᓄᓇᕙᑦ ᑕᐃᓐ ᓇᖕᖏᐃᖅᑲᓇᐃᔭᕐ ᓇᒥ ᐋᐳᕈᓪ ᒥ ᐅᑐᐱᓚᒃᑦ.

ᐃᓯᐊᓂ ᐃᖅᑲᓇᐃᔭᕐ ᓇᐅᑉ, ᑕᒪᕐ ᒥᒃ ᓄᓇᕙᑦ ᑕᖕᖏ ᐊᑐᖅᑕᐅᔪᑦ ᒪᑐᔭᐅᔪᔪᑦ ᐊᑦ ᑕᓇᐃᖅᑕᐅᓪ ᓗᑎᓪ ᓗ ᐅᑭᐅᖑᓂᖕᖏ ᑕᐃᒪᐃᓕᖕᖏᐊᖅᑐᑎᒃ. ᓄᓇᓯᔭᐅᕙᑦ ᑑᑉ ᐋᖅᑭᓯᒪᓂᖓ ᖃᓄᐃᓕᖕᖔ ᒪᖕᖠᒃ ᑕᑯᔭᔅ ᓴᖅ ᐅᐃᒍᖕᖏ ᐃ–ᒥ.

ᐃᖅᑲᓇᐃᔾᔫᒥ ᐊᑦ ᑕᓇᖅᑐᒥᑦ ᑕᐃᓕᓂᕐ ᒧᑦ ᐸᕐ ᓇᐅᑦ ᐊᑐᖅᑕᐅᔪᔪᖅ ᖃᓄᐃᕐᑯᖖᖏᕐ ᒧᑦ ᐸᓚᕐ ᔩᒥᑎᑦ ᑎᒋᐊᕐ ᓂᒧᓪ ᓗ ᑕᒪᕐ ᒥᒃ ᐊᑦ ᑕᓇᖅᑐᒥᒍᑕᐅᔪᓐ ᓇᖅᑐᓂᑦ ᐱᓕᕆᐊᕐ ᒥ. ᑕᒪᐅᖕᖃᐅᖅᑐᑦ ᖄᐅᔾ ᑎᑕᐅᖅᖅ ᑕᔪᔪᑦ ᑐᑭᓯᐅᒪᔭᕆᐊᓕᖕᖏ ᓂᒃ ᓄᓇᕙᑦ ᑕᖕᖓ. ᐊᑦ ᑕᓇᖅᑐᒦᑦ ᑕᐃᓕᒍᑕᐅᔭᕆᐊᓖᓪ ᓗ ᐅᖄᐅᓯᐅᕙᑦ ᑐᑎᒃ ᐊᒻ ᒪᓗᑦ ᑕᐅᖅ ᑕᒪᐃᓐ ᓈᓕᖕᖌᑦ ᐊᐅᓚᔾ ᔪᓯᐅᔭᕆᐊᓖᓪ ᓄᓇᕙᑦ ᑕᖑᓂ ᑐᑭᓯᑎᑦ ᑎᒍᑕᐅᖅᖅ ᑕᔪᔪᑦ. ᐊᔾ ᓵᖏ ᓂᒃ ᓄᓇᓯᐊᑦ ᖃᓇᐃᓕᖕᖓᖕᖠ ᓄᓇᕙᑦ ᑕᖕᖠ ᐋᖅᑭᔅ ᓯᓯᒪᔪᔪᑦ. ᖁᓖᒎᓕᒃ ᑯᑦ ᐊᑦ ᑕᓇᖅᑐᒦᑦ ᑕᐃᓕᕆᐊᕐ ᓂᕐ ᒥᒃ ᑐᑭᓯᑎᑦ ᑎᖅᖅ ᑕᔪᒻ ᒥᔪᑦ ᐊᕐᖁᑎᖏ ᐃᑭᒪᔭᕆᐅᕐ ᓂᐊᖅᑐᓄᑦ ᖁᓖᒎᓕᒧᑦ. ᐱᓇᓯᐊᕈᓯᖅᑕᓖᑦ ᑲᑎᒪᕐᖅ ᑕᔪᔪᑦ ᐱᔾ ᔪᑎᖅᖅᖅ ᑕᖅᑐᑎᒃ ᐆᒪᔪᓂᑦ ᑕᑯᓐ ᓂᕈᑎᒃ, ᐊᖑᓇ ᓂᕐ ᒥᒃ /ᐃᖅᑲᓗᖁᓯᓐ ᓂᕐ ᒥᒃ, ᐃᑦ ᑕᕐ ᓂᔅ ᖅᖅ ᕕᓐ ᓂᑦ ᐸᕝ ᕕᔅᑦ ᑕᐃᓕᕆᐊᖅᖅ ᓂᕐ ᒥᒃ ᐊᒻ ᒪᓗ ᓇᓗᓇᐃᕐ ᓯᓂᕐ ᒥᒃ, ᖁᓖᒎᓕᒃ ᑯᑦ ᐊᑦ ᑕᓇᖅᑐᒦᑦ ᑕᐃᓕᕆᐊᕐ ᓂᕐ ᒥᒃ, ᐊᒻ ᒪᓘᑦ ᑕᐅᖅ ᐱᓕᓪ ᒪᔅᕐ ᓂᕐ ᒥᒃ ᐱᓕᓪ ᒪᔅ ᓴᓇᐊᖅᖅᖅ ᑎᓪ ᓗᒋᑦ.

ᖃᐅᑕᒫᑦ ᐱᓕᕆᐊᖑᕙᑦ ᑐᑦ ᑎᑎᕋᖅᑕᐅᖅ ᑕᔪᔪᑦ ᐱᓕᕆᐊᕐ ᒥ ᐊᐅᓚᑦ ᑎᓵ ᒧᑦ ᐊᒻ ᒪᓗ ᐊᕙᑎᓕᕆᓂᕐ ᒥᒃ ᖃᐅᓵᒪᓵᑕᕐ ᒧᑦ, ᐱᖃᓯᐅᔾ ᓵ ᕙᑦ ᑐᑎᒃ ᖃᐅᑕᒫᑦ ᐊᐅᓚᓂᐅᕙᑦ ᑐᓂᒃ ᓄᓇᕙᑦ ᑕᖑ ᓂ, ᐃᓅᑕᕐ ᓂᕐ ᒥ ᐊᐅᓚᓂᕐ ᓂᑦ, ᐅᖅᓯᐊᓗᓐ ᓂᑦ ᖃᐅᓵᓴᖅ ᑕᓂᕐ ᒥᒃ, ᓴᓂᕐ ᓂᒃ ᓇᐅᑦ ᑎᓯᕐ ᓂᕐ ᒥᒃ, ᐆᒪᔪᓂᑦ ᑕᑯᖅ ᑕᖅᑕᖕᖏ ᓂᒃ, ᐃᒥᕐ ᒥᒃ ᐊᑐᖅ ᑕᖅᑕᖕᖓᒃ ᓇᐅᑦ ᑎᕐ ᓯᖅ ᑕᓂᕐ ᒥᒃ, ᖃᖕᖠᓂᐅᕙᑦ ᑐᓂᑦ ᐅᓂᒃ ᑳᖅᖅ ᑕᕐ ᓂᖅ, ᐃᑦ ᑕᕐ ᓂᔅ ᖅᖅ ᕕᒻ ᒥ ᑕᑯᖅ ᑕᖅᑕᖕᖏ ᓂᒃ, ᓇᐅᑦ ᑎᕐ ᓯᕆᐊᖅ ᑕᓂᕐ ᒥᓪ ᓗ ᓄᓇᒥᒃ ᐊᑦ ᑐᐃᓂᖕᖏ ᓂᒃ ᐊᒻ ᒪᓗᐊᑦ ᑕᓇᖅᑐᒦᑦ ᑕᐃᓕᕆᐊᖅᖅ ᓂᕐ ᒥᒃ.

ᑕᒪᕐ ᒥᒃ ᐱᔪᓐ ᓇᐅᑎᐅᔭᕆᐊᓖᑦ /ᓚᐃᓴᐅᔭᕆᐊᓖᓪ ᓗ ᓴᖅᑭᔮᖅᑎᑕᐅᕙᑦ ᑐᑎᒃ ᐱᓕᕆᕕᒻ ᒥ ᐊᒻ ᒪᓗ ᐊᑐᐃᓐ ᓇᐅᕙᑦ ᑐᑎᒃ ᓄᓇᕙᑦ ᑕᖑᓂ.

ᐃᓅᑕᕐ ᓂᖅ

ᑲᑎᑦ ᑐᒋᑦ 19 ᐳᑑᖅᑕᐅᔪᒻ ᒪᑕ ᐃᓅᑕᕐ ᓂᕐ ᒥ ᑕᓛᓂ ᐃᖅᑲᓇᐃᔭᕐ ᓇᒥ. ᑕᒪᕐ ᒥᒃ ᐃᓅᑕᕐ ᕕᐅᔪᑦ ᐱᓕᕆᓂᕐ ᒥ ᐃᓂᖅᖃᔪᑦ 31 ᒦᑕ ᐆᑦ ᑑᑎᑎᒍᑦ ᐅᖕᖑᓐ ᓂᓖᓪ ᒥ ᑕᒪᕐ ᒥᒃ ᐃᒪᕐ ᓂᑦ. ᓄᓇᖕᖏᖅᑕᓖᒃ ᐃᓅᑕᕐ ᕕᐅᔪᔪᓂᑦ ᐱᓕᕆᓂᕐ ᒥ ᑖᓐ ᓇ ᐱᖃᓯᐅᔾ ᔭᐅᓯᒪᔪᖅ ᐅᐃᒍᖏ ᓂᐃ–ᒥ.

ᐊᑲᐅᖕᖏᐅᕈᑕᐅᕙᔪᑦ ᑐᖅ ᐃᓅᑕᕐ ᓂᕐ ᒥ ᐅᑭᐅᖅᑕᖅᑐᒥ ᐃᓅᑕᕈᑕᐅᓲᑦ ᓴᕕᕋᔭᑯᑖᑦ ᖁᐊᓲᖑᖙ ᒪᑕ ᓄᓇᒥ ᓄᓇᐅᑉ ᐃᑭᐊᖕᖏ ᖁᐊᖑᐃᓐ ᓇᖅᑐᖅᖅ ᓂᖕᖠᕝ. ᐊᑐᖅᑕᐅᕙᔪᑦ ᑐᖅ ᑕᒪᑐᒥᖕᖑᐋᖅᑭᑭᐊᕆᓂᕐ ᒥᒃ ᐊᑐᖅᐸᑦ ᑐᑎᒃ ᐆᓇᖅᑐᒥᒃ ᐃᓅᑕᕐ ᓂᕐ ᒥ ᐃᒥᕐ ᒥᒃ ᓯᑰᓕᕐ ᓄᑦ 200 ᒦᑕᓄᑦ ᐆᑦ ᑑᑎᑎᒍᑦ ᐃᓅᑕᕐ ᓂᕐ ᒥ ᐊᒻ ᒪᓗ ᐃᓚᓯᓰᖑᖠ ᓗᑎᒃ ᑕᕆᐅᕐ ᒥᒃ (CaCl) ᐊᒻ ᒪᓗ ᑕᕆᐅᓕᐅᓰᖑᖠ ᓗᑎᒃ ᖁᐊᕐ ᓇᓂᐊᖕᖠᒪᑦ ᐃᒥᕐ ᒧᑦ

ᓂᓪ ᓕᓇᕐ ᓂᕐᖃᖅᑎᓪ ᓗᒍ 0 ᑐᖕᓕᓂ ᓂᓪ ᓕᓇᓪ ᓚᕆᑦ ᑐᒥ. ᑕᕆᐅᑐᐊᕐ ᒥᒃ ᐃᑰᑕᕐ ᓂᕐ ᒧᑦ ᐃᓚᓯᓯᒪᔪᑦ ᐱᓕᕆᓂᖕᒋ ᓂ, ᐊᒻ ᒪᓗᑕᕆᐅᕐ ᒥ ᐊᑐᖅᐸᑦ ᑐᑎᒃ ᐊᑐᕆᐊᖅᖃᖅᑕᖕᒋ ᓂᒃ ᑭᓯᐊᓂᓈᒻ ᒪᒋᐊᖅᑐᒍ.

ᖃᐅᔨᓴᕐ ᓯᒪᔪᑦ ᐃᑰᑕᕐ ᕕᓐ ᓂᑦ ᓯᕗᕐ ᖕᖓᑦ, ᐃᑰᑕᕐ ᓂᖕᒋ ᓂᓗ ᐃᑯᑕᕇᕐ ᖕᑲᓗ ᐊᒻ ᒪᓗ ᑎᑎᕋᖅᑐᑎᒃ, ᐊᒻ ᒪᓗ ᐊᑲᐅᙱᐅᕈᑕᐅᔪᑦ ᑲᒪᒋᔭᐅᑦ ᑕᐅᑎᒋᖅᖢ ᑕᖅᑐᑎᒃ ᐃᑰᑕᕐ ᓂᕐ ᒧᑦ ᑳᓐᑐᓛᒃ ᑕᐅᓯᒪᔪᒧᑦ. ᐃᓚᒋᔭᐅᓪ ᓗᓂ ᐃᑰᑕᕐ ᓂᕐ ᒧᑦ, ᑐᒥᓚᖀ ᓗᐊᑦ ᑕᐃᓚᕐᖢ ᑕᖅᑐᒥᓃᑦ, ᑕᕆᐅᕐ ᓗᓂ ᐅᓚᒃ ᓴᔭᐃᑦ ᖃᖕᓕᓃᑎᑕᐅᕙᑦ ᑐᑎᒃ, ᐅᖅᓯᐊᓗᒃ ᐊᓪ ᓚᕋᖕᒋ ᓃᑎᑕᐅᕙᑦ ᑐᑎᒃ ᐃᓗᐱᐊᕈᑕᖅᖃᖅᑐᑎᒃ ᑭᓂᕆᔫᒥᒃ ᖃᓪ ᓘᓈᖅᑕᔭᒥᒃ ᐊᒻ ᒪᓗ ᓴᓃᑦ ᐃᓛᒃ ᑰᖕᖏᑎᑕᐅᓪ ᓗᑎᒃ (ᓴᕕᕋᔭᒥᓃᑦ ᐊᒻ ᒪᓗ ᐃᑭᒍᓐ ᓇᖅᑐᑦ ᓴᓃᑦ) ᐊᒻ ᒪᓗ ᐃᒪᖅᖠᕐᑐᓂᑦ ᖅᖢ ᑕᐅᔭᓃᑎᑕᐅᕙᑦ ᑐᑎᒃ. ᐃᑰᑕᖅᑎᓪ ᓗᕆᑦ ᓴᕐ ᕙᐸᓪ ᓕᐊᓂᖕᒐ ᑕᒪᐃᑦ ᑐᓕᕆᔾ ᔪᑎᑎᒎᖅᑕᐅᕙᑦ ᑐᓂ ᐊᔪᕐ ᓇᙵᒻ ᒪᑦ ᐅᕝ ᕙᔫᓐ ᓃᑦ ᐊᖅ ᒍᖅᑕᐅᕙᓪ ᓕᐊᔪᑦ ᑲᑕᒐᕐ ᕕᖕᒋ ᔫᖅᑲ ᖅᑕᐅᓪ ᓗᑎᒃ ᐊᒻ ᒪᓗ ᐆᖅᑲ ᖅᑕᐅᕙᑦ ᑐᑎᒃ ᓯᐅᕋᕐ ᔫᑦ ᐴᔅ ᓴᔭᖅᖢ ᕕᓐ ᔫᑦ ᑕᐃᒪᐃᒋᐊᕐᖠᕋᐃᒻ ᒪᑕ. ᐊᖅ ᒍᖅᑕᐅᓂᑯᐃᑦ ᐱᓕᕆᔾ ᔪᑎᖕᒋ ᓂ ᐊᑐᖅᑕᐅᓕᖅᑭᐸᑦ ᑐᑎᒃ ᐊᔪᕐ ᓇᙵᐃᒻ ᒪᑦ ᐊᒻ ᒪᓗ ᐊᑐᖅᑕᐅᕙᑦ ᑐᑎᒃ ᓴᓘᒻ ᒪᐃᒋᐊᕈᑕᐅᓪ ᓗᑎᒃ ᐃᑰᑕᕇᕋᐃᒻ ᒪᑕ. ᐊᒥᐊᒃ ᑰᖕᒋ ᐃᑰᑕᕐ ᓂᕐ ᒥ ᐊᖅ ᒍᕐ ᓯᒪᔪᑦ ᐃᒋᑕᐅᕙᑦ ᑐᑎᒃ ᓄᓇᒧᑦ ᐅᖕᖓᓐ ᓂᕐᖃᖅᑐᑎᒃ 31 ᒦᑕᓃᑦ ᐃᒪᕐ ᓅᑦ.

ᓯᓇᒃ ᑯᓛᑦ

ᐃᖅᑲᓇᐃᔭᖅᑏᑦ, ᑭᓯᐅᑐᐃᓐ ᓇᐃᑦ ᓯᓇᒃ ᑯᓛᓪ ᓗᑎᑭᑎᑕᐅᓯᒪᔪᑦ ᖃᓪᓘᓪᓗ ᑯᑦ ᖃᖕᖠᕋᒃ ᑯᓘᓐ ᓃᑦ. ᓯᓇᒃ ᑯᓛᓕᒫᐸᓗᐃᑦ ᑐᖅᑯᖅᑕᐅᓯᒪᑦ ᑎᐊᖅᖢ ᑕᖅᑐᑎᒃ ᐱᓕᕆᕕᖕᒋ ᓂᓯᕗᓂᑦ ᑎᓐ ᓂᐊᑐᖅᑕᐅᔪᒫᕐ ᓂᐊᖅᑐᑎᒃ ᐱᔭᕇᕋᐃᒻ ᒪᑕ. ᑎᑎᕋᖅᑕᐅᓯᒪᔪᑦ ᖃᓇᐃᑦ ᑑᒻ ᒪᖕᓖᖕ ᓯᓇᒃ ᑯᓛᖕᒋ ᑭᓯᐅᑐᐃᓐ ᓇᐃᓪ ᓗᑕᒫᓂᑦ ᑐᑦ ᓯᓕ ᐱᓕᕆᕕᐅᓯᒪᔪᒥ ᑎᑎᕋᕐ ᓯᒪᓪ ᓗᑎᒃ ᐅᐃᒍᖕᒋ ᓂᐱ-ᒥ.

ᐃᒥᕐ ᒥᒃ ᐊᑐᕐ ᓂᖅ

ᑕᒪᕐ ᒥᒃ ᐃᓂᖕᒋ (ᑖᒻ ᒪᕇᒃ ᑯᑎᑎᒍᑦ ᖃᐅᔨᔭᐅᓯᒪᓪ ᓗᑎᒃ) ᐃᒥᕐ ᒥᒃ ᐊᑐᕐ ᕕᒥᓂᖕᒋ ᑎᑎᕋᖅᑕᐅᓯᒪᔪᑦ ᐅᐃᒍᖕᒋ ᓂ ᐱ–ᒥ. ᓄᓇᕆᔭᑦ ᑕᖕᒋ ᓂ ᐃᒥᕐ ᒥᒃ ᐊᑐᕈᓐ ᓇᖅᑎᑕᐅᓯᒪᔪᑦ ᐊᑐᕈᓐ ᓇᖅᑕᖕᖓ ᐊᖕᖒᕐ ᐹᖕᖓ 3 ᑭᐸ ᐹᓚᑦ ᑐᑦ ᒦᑕ ᐆᑦ ᑑᑎᑎᒍᑦ ᖃᐅᑕᒫᑦ ᓯᕗᓪ ᓕᕐ ᒥ, ᑖᓐ ᓇ ᐋᖅᑭᒋᐊᖅᑕᐅᔪᔪᖅ 10ᓅᑦ ᑭᐸ ᐹᓚᑦ ᑐᓅᑦ ᒦᑕᓅᑦ ᐆᑦ ᑑᑎᑎᒍᑦ ᖃᐅᑕᒫᑦ ᔫᓂ 29, 2011ᒥ.

ᓄᓇᕆᔭᑦ ᑕᖕᒋ ᓂᐃᒥᕐᖃ ᕕᒋᓚᐅᖅᑕᖕᖏ ᑕᓯᐊᓗᒃ ᖃᓂᒋᔭᖕᖢᓂᑦ ᑐᖅ ᓄᓇᒋᔭᐅᕙᑦ ᑑᐸ. ᑖᓐ ᓇ ᖃᐅᔨ ᓇᔪᔪᖅ ᓈᒻ ᒪᓐ ᓂᖕᖠᒃ ᑕᒪᕐ ᒥᒃ ᐊᑐᕆᐊᖅᖃᖅᑕᓕᒫᖕᒋ ᓅᑦ. ᓄᓇᕆᔭᑦ ᑕᖕᒋ ᓂᐃᒥᖅ ᒥᓪ ᓗᐊᖅᑕᐅᕙᑦ ᑐᓂ ᓴᓂᖅᖠ ᔭᐃᒃ ᑯᑎᑎᒍᑦ ᐊᑐᐊᕐ ᐸᑦ ᑐᓂᑰᖅᖠ ᕕᒻ ᒥ ᐊᑐᖅᑕᐅᓂᐊᖅᑐᖅ ᐊᒻ ᒪᓗᑕᒪᕐ ᒥᒃ ᐃᒥᕆᔭ ᐅᖅᖠ ᑕᓂᐊᖅᑐᖅ. ᐃᒥᔅ ᓴᒥᒃ ᑎᑭᑎᑦ ᑎᖅᖠ ᑕᕆᐊᑐᔪᙱᑐᑦ ᓄᓇᒋᔭᐅᕙᑦ ᑐᓅᑦ ᑕᒪᒃ ᑯᓂᖕᖓ ᓂᐅᕕᐊᔅ ᓴᐅᓯᓂᑦ ᐃᒥᕐ ᓂᑦ ᑕᓖᓂᐃᖅᑲᓇᐃᔭᕐ ᓇᒥ.

ᖃᐅᑕᒫᑦ ᐊᖕᖒᕐᖏ ᐃᒦᑦ ᐊᑐᖅᑕᐅᖅᖢ ᑕᔪᔪᑦ ᓄᓇᒋᔭᐅᕙᑦ ᑐᒥ ᖃᐅᔨᓴᖅᑕᐅᖅᖢ ᑕᔪᒻ ᒪᑕ ᑎᑎᕋᖅᑕᐅᕙᑦ ᑐᑎᓪ ᓗ ᐃᖅᑲᓇᐃᔭᕐ ᓇᐅᓂᓂᖕᖓ ᐊᑕᐅᓯᕐ ᒥᒃ ᖅᖢ ᑕᖅᑲᖅᑐᑎᒃ ᐃᒥᖅᖢ ᕕᖕᒋ ᓂ ᓄᓇᕆᔭᑦ ᑕᖕᒋ ᓂ ᐃᒻ ᒪᑦ ᑕᐅᕙᑦ ᑐᓂ ᐃᒻ ᒪᑦ ᑕᐅᔭᕆᐊᖅᑲᓕᕋᐃᒻ ᒪᑦ ᓄᓇᒋᔭᐅᕙᑦ ᑐᒥ ᐊᐅᓚᑦ ᑎᔨ ᒧᑦ. ᐅᓪ ᓗᖕᒐ, ᓯᕐᒦᖕᖑᖕᒐᐊᒻ ᒪᓗ ᐊᖕᖒᖕᒐ ᐃᒥᐅᐸ ᐃᒻ ᒪᐃᑲᓐ ᓂᕈᑕᐅᖅᖢ ᑕᓚᐅᖅᑑᐸ ᑎᑎᕋᖅᑕᐅᓯᒪᔪᑦ. ᑖᒃ ᑯᐊ ᑎᑎᕋᖅᑕᐅᓯᒪᔪᑦ ᓇᐃᓈᕐ ᓯᒪᓪ ᓗᑎᒃ ᑎᑎᕋᖅᑕᐅᓯᒪᔪᑦ ᐅᐃᒍᖕᒋ ᓂᐱ–ᒥ.

ᐃᑰᑕᕐ ᓂᕐ ᒧᑦ ᐃᒥᕐ ᒥᒃ ᐊᑐᕈᓐ ᓇᖅᑎᑕᐅᓯᒪᔪᑦ ᐊᖕᖒᕐ ᐹᓚᔪᓐ ᓇᖅᑕᖕᖓᓐᓂᑦ 180 ᑭᐸ ᐹᓚᑦ ᑐᑦ ᒦᑕᓃᑦ ᐆᑦ ᑑᑎᑎᒍᑦ ᖃᐅᑕᒫᑦ, ᐋᖅᑭᒋᐊᖅᑕᐅᔪᔪᖅ 173 ᑭᐸ ᐹᓚᑦ ᑐᑦ ᒦᑕᓅᑦ ᖃᐅᑕᒫᑦ ᔫᓂ 19, 2011ᒥ. ᐃᒥᖅ ᐃᑰᑕᕐ ᓂᕐ ᒧᑦ ᐊᑐᖅᑕᐅᕙᑦ ᑐᖅ ᐱᔭᐅᖅᖢ ᑕᔪᔪᖅ ᖃᓂᒋᓂᕐ ᐹᖕᖏ ᑕᓯᕐ ᒥ ᓈᒻ ᒪᑦ ᑐᒥᒃ ᐊᑦ ᑐᐃᓂᖅᖤᒻ ᒪᖑᑎᒃ ᐊᕙᑎᒧᑦ ᐃᖅᑲᓐ ᓅᓐ ᓃᑦ ᑕᓯᕐ ᒦᑦ ᑐᓅᑦ. ᑕᒪᕐ ᒥᒃ ᐃᒥᖅᑐᕆᑕᐅᔪᑦ ᖃᐅᔨᓴᖅᑕᐅᑦ ᑎᐊᖅᖢ ᑕᔪᔪᑦ ᐊᔪᕐ ᓯᕐᖤᖑᑎᒃ, ᖃᓇᐃᓕᕐᖁᓕᓪ ᓗ ᐅᓚᕕᑕᐅᕐᖁᓕᓪ ᓗ ᐃᖅᑲᓗᐃᑦ. ᐱᓇᓱᐊᕈᑎᖅᖂᖅᖢ ᑕᔪᒻ ᒥᔪᑦ ᐊᑐᒃ ᑲᓐ ᓂᕐᖢ ᑕᖅᑐᑎᒃ ᐃᒥᕐ ᒥᒃ ᐱᖅᓱᐅᔅ ᓴᓪ ᓗᑎᒃ ᐋᖅᑮ ᓂᕐ ᒥᒃ ᐃᒥᖅᑐᕈᑕᐅᖅᖢ ᑕᓂᐊᖅᑐᒥᒃ ᑕᒪᔅ ᓯᒥᖕᖑ ᓴᐃᓐ ᓇᖅ ᐃᒥᕐ ᒥᒃ ᐊᑐᖅᖢ ᑕᓂᐊᕐ ᖕᑲ ᐃᑰᑕᕐ ᓂᖕᒋ ᓂ. ᐃᒥᖅᖠ ᕕᐅᓂᐊᖅᑐᖅ ᓂᕈᐊᖅᑕᐅᔪᔪᖅ ᐃᒥᕐ ᒥᒃ ᐊᑐᖅᖢ ᑕᕐ ᓂᖕᒋ ᓯᕐ ᓴᐃᕐᖁᓕᑦ ᐃᒪᖕᖠ ᐊᖕᖒᖕᖏᒃ ᑕᓯᕐ ᒥ.

ᖃᐅᑕᒫᑦ ᐊᖕᙱᖕᖏ ᐃᒦᑦ ᐊᑐᖅᑕᐅᕙᑦ ᑐᑦ ᐃᑰᑕᕐᓂᕐᒥ ᑎᑎᕋᖅᑕᐅᓯᒪᔪᑦ ᐱᓕᕆᓂᖕᖓᓂ. ᐊᑕᐅᓯᕐᒥᒃ ᐃᒥᕐᒧᑦ ᒥᓪᓗᐊᕈᑎᖃᖅᑕᖅᑐᑎᒃ ᐃᑰᑕᕐᓂᕐᒥ. ᐃᒥᕐᒧᑦ ᒥᓪᓗᐊᕈᑦ ᖃᐅᔨᓴᖅᑕᐅᕙᑦ ᑐᓂ ᑐᑭᓯᓂᐊᕐᖕᖓ ᒥᓪᓗᐊᕈᑎᐅᑉ ᓱᑲᓐᓂᖕᖏᒃ 10 ᒫᓚᖓᓂᒃ ᐊᑐᓂᑦ ᑲᐃᕙᓪ ᓚᒍᓯᖅ ᓯᕿᖕᖑᒃ ᑯᑦ ᒪᓕᑦ ᑐᒋᑦ. ᖃᐅᑕᒫᑦ ᐊᖕᙱᖕᖏ ᐃᒥᐅᑉ ᐊᑐᖅᑕᐅᕙᑦ ᑐᑦ ᐃᑰᑕᕐᓂᕐᒥ ᓈᓴᖅᑕᐅᖅᑐᖅ ᑕᔪᔪᑦ ᑎᑎᕋᖅᑕᐅᕙᑦ ᑐᑎᓪᓗ. ᑖᒃ ᑯᐊ ᑎᑎᕋᖅᑕᐅᓯᒪᓂᖕᖏ ᓇᐃᓈᕐ ᓯᒪᓪᓗᒋᑦ ᑎᑎᕋᖅᑕᐅᓯᒪᔪᑦ ᐅᐃᒍᖕᖏ ᓂᐱ–ᒥ.

ᓴᓃᑦ

ᐃᒥᖅ ᐊᑐᖅᑕᐅᕖᕐ ᓯᒪᔪᖅ ᓄᓇᒋᔭᐅᕙᑦ ᑐᒥ ᑯᕕᖅᓯ ᑕᔪᔪᖅ ᑯᕕᕕᒋᑐᐃᓐᓇᖅᓯ ᑕᖅᑕᖕᖓᓂᑦ ᓄᓇᒋᕙᑦ ᑕᖕᖑᓂ, ᐊᖏᕐ ᓴᐅᓪᓗᓂ 31 ᒦᑕᓂᑦ ᓇᓪᓚᐊᓐ ᓂᑐᐃᓐᓇᖅ ᐃᒥᖅᑕᓕᓐᓂᑦ. ᐃᒥᖅ ᐊᑐᓈᕐ ᓯᒪᔪᖅ ᓯᐊᒻ ᒪᕐ ᔭᐃᖅᑎᑕᐅᓯᒪᕙᑦ ᑐᓂᐊᑐᖅᑐᑎᒃ ᓯᐅᕋᕐᓂᑦ ᐆᔅ ᓴᒨᖅᑲᖅᑕᐅᓯᒪᔪᓂᑦ ᑕᒫᓂᐊᕙᑖᓂᐊᒻ ᒪᓗ ᐅᕐ ᔪᓂᑦ ᐊᑐᖅᐸᑦ ᑐᑎᒃ ᖁᖕᖑᓂᑎᑦ ᑎᓪᓗᑎᒃ ᐱᕈᕐ ᕕᐅᑲᓐᓂᕈᓐᓇᕐᓯ ᓗᒍ ᑕᒪᓐᓇ ᓄᓇᖕᖓ

ᑕᒪᕐ ᒥᒃ ᐃᑭᒍᓐ ᓇᖅᑐᑦ ᓴᓃᑦ ᐊᒻ ᒪᓗᐅᐊᑦ ᑕᑯᐃᑦ ᐃᑭᑕᐅᖅᑐᖅ ᑕᔪᔪᑦ ᖃᐅᑕᒫᑦ ᒪᕐ ᕈᐃᓚᖅᑲᖕᖑᒥ ᓱᑦ ᓗᓚᒻ ᒥ, ᐃᑭᑦ ᑎᕙᒻ ᒥ, ᐃᑭᓐ ᓂᑯᒥᓃᑦ ᐃᒪᖅᑲᖅᑐᓄᑦ ᖅᑲ ᑕᐅᔭ ᓅᖅᑲᖅᑕᐅᕙᑦ ᑐᑎᒃ. ᖅᑲ ᑕᐅᔭᐃᑦ ᐃᑭᓐ ᓂᑯᒥᓂᖅᑕᓖᑦ ᒪᑐᔭᐅᕙᑦ ᑐᑎᒃ ᐊᑦ ᑕᓇᐃᖅᑕᐅᕙᑦ ᑐᑎᓪᓗ ᑕᒫᓂ ᐱᓕᕆᕕᖕᖑ ᓂ ᐅᑭᐅᖅ ᑕᐃᒪᐃᓕᖕᖔᐊᖅᑐᑎᒃ ᐊᒻ ᒪᓗ ᐋᔭᖅᑕᐅᒐᔭᖅᑐᑎᒃ ᑕᒫᙵ ᐊᒻ ᒪᓗ ᐊᐅᓪᓚᕈᔾ ᔭᐅᓗᑎᒃ ᐊᑦ ᑕᖅᑕᐅᕕᑎᔭᓐ ᓇᖅᖕᖑ ᓄᑦ. ᐃᑭᑦ ᑎᕙᒃ ᒪᑐᔭᐅᑦ ᑎᐊᔭᔭᖅ ᐊᑦ ᑕᓇᐃᖅᑕᐅᓪᓗᓂᓗ ᐅᑭᐅᖕᖑᓂᐊᖅᑐᖅ ᑕᐃᒪᐃᓕᖕᖔᐊᖅᑐᓂ.

ᑕᒪᕐ ᒥᒃ ᐃᑭᒍᓐ ᓇᖕᖏ ᑐᑦ ᓴᓃᑦ ᒪᑐᔭᐅᓪᓗᑎᒃ ᐊᑦ ᑕᓇᐃᖅᑕᐅᓪᓗᑎᓪᓗ ᑕᒫᓂ ᐱᓕᕆᕕᒻ ᒥ ᐅᑭᐅᖕᖑᓂᐊᖅᑐᖅ ᑕᐃᒪᐃᓕᖕᖔᐊᖅᑐᑎᒃ ᐊᒻ ᒪᓗ ᐊᐅᓪᓚᕈᔾ ᔭᐅᑲᖅᑐᑎᒃ ᑕᒫᙵ ᓈᑕᐅᓗᑎᒃ ᐊᓯᐊᓄᑦ ᐊᑦ ᑕᖅᑕᐅᕕᑎᔭᓐ ᓇᖅᑕᖕᖑᓈᕈᔾ ᔭᐅᓗᑎᒃ.

ᐊᑐᕈᓐ ᓇᖅᑐᑦ ᐅᖅᓯᐊᓗᐃᑦ ᑐᖅᑯᖅᑕᐅᓯᒪᓪᓗᑎᒃ ᖅᑲ ᑕᐅᔭᓂᑦ ᐅᖅᓯᐊᓗᖃᐅᑎᖅᖃ ᕕᖕᖑ ᐱᓕᕆᕕᒻ ᒥ. ᑖᒃ ᑯᐊ ᖅᑲ ᑕᐅᔭᐃᑦ ᐆᔭᖅᑕᐅᓚᖅᑐᑦ ᑕᒫᙵ ᓈᑕᐅᓗᑎᒃ ᐊᓪᓗ ᐊᐅᓪᓚᖅᑎᑕᐅᓗᑎᒃ ᐊᑦ ᑕᖅᑕᐅᕕᑎᔭᓐ ᓇᖅᑕᖕᖑᓂᑦ.

ᐃᒪᖅᑲᖕᖏᑐᑦ ᖅᑲ ᑕᐅᔭᐃᑦ /ᐅᖅᓯᐊᓗᖃᐅᑎᒥᓃᑦ ᐊᑐᖅᑕᐅᑲᓐᓂᖅᑲ ᑕᔪᔪᑦ ᐊᑐᖅᑕᐅᑲᓐ ᓂᓇᐊᖅᖃᐃᓪ ᒪᑕ. ᐊᒥᐊᒃ ᑯᐃᑦ ᐊᑦ ᑕᓇᐃᖅᑕᐅᓯᒪᔪᑦ ᑕᒫᓂᐊᒻ ᒪᓗ ᓈᑕᐅᓚᖅᑐᑎᒃ ᑕᒫᙵ ᐊᐅᓪᓚᖅᑎᑕᐅᓗᑎᓪᓗ ᐊᑦ ᑕᖅᑕᐅᕕᑎᔭᓐ ᓇᖅᑕᖕᖏᓄᑦ.

ᑕᒪᕐ ᒥᒃ ᐃᑰᑕᖅᑕᐅᓯᒪᔪᑦ ᑐᖅᑯᖅᑕᐅᓯᒪᔪᑦ 31 ᒦᑕᐃᑦ ᐅᖓᓯᓐ ᓂᓕᓐ ᓂᑦ ᑕᒪᕐ ᒥᒃ ᐃᒪᓕᒫᓄᑦ.

ᑎᒥᐅᔪᖅ ᐊᑎᓕᐅᖅᑕᐅᓯᒪᔪᖅ ᓄᓇᕗᑦ ᒐᕙᒪᒃ ᑯᖕᖓᓄ, ᐊᕙᑎᓕᕆᔨᒃ ᑯᓐᓂ. ᓴᓂᕐᓂᑦ ᐊᐅᓪᓚᑎᑦ ᑎᓗᓂ ᓇᓕᖅᑲᓕᒫᑦ ᐱᖅᑯᔨᐅᔾ ᔭᐅᖅᑲ ᑕᓖᖅᑐᑦ ᑕᒪᕐ ᒥᒃ ᐊᐅᓪᓚᖅᑎᑕᐅᔪᓕᒫᓄᑦ ᐊᑐᕆᐊᓕᓕᒫᓄᑦ.

ᑕᒪᕐ ᒥᒃ ᓴᓂᖅᑲ ᕖᑦ ᑎᑎᕋᖅᑕᐅᓯᒪᔪᑦ ᐅᐃᒍᖕᖏ ᓂᐱ–ᒥ..

ᐅᖅᓯᐊᓗᖃᐅᑎᖅᖃ ᕕᒃ

ᑯᑐᖅ ᕕᖕᖑ ᐃᓚᔭᐅᓯᒪᔪᑦ ᖅᑲ ᑕᐅᔭᐃᑦ ᐊᑖᓂᐊᑐᖅᑕᐅᕙᑦ ᑐᑦ ᐅᖅᑰᓴᐅᑎᖕᖑᓄᑦ ᑐᐹᑦ, ᐊᓪᓗᑭᓂᕈᔫᓂᑦ ᖅᑯ ᓗᓅᖅᑕᓂᑦ ᐃᓪ ᒧᔭᐅᓯᒪᓪᓗᑎᒃ ᐅᕐ ᓴᐃᕕᑎᕙᑦ ᑕᖅᕆ ᓇᓛᓂ. ᐊᒃ ᒐᓪ ᒧᑦ ᐃᒪᐃᔭᐃᔾ ᔪᐲᑦ ᐊᑐᖅᑕᐅᖅᑐᑦ ᑕᔪᔪᑦ ᐃᒪᐃᔭᐃᒍᑕᐅᖅᑐᑦ ᑕᖅᑐᑎᒃ ᓯᓚᑦ ᑎᑦ ᓗᒍ ᐃᒻ ᒪᑦ ᑐᒥᓂᖅ ᓂᒃ /ᑯᕝ ᕕᕕᖕᖏ ᓅᖅᑐᒥᓂᖅ ᓂᓪᓗᐊᒻ ᒪᓗ ᐃᒪᖅᑲᖕᖏᑐᒨᖅᑐᒥᓂᖅ ᓂᑦ ᖅᑲ ᑕᐅᔭᓄᑦ. ᑖᒃ ᑯᐊ ᑐᖅᑯᖅᑕᐅᔭᔪᑦ ᑯᕕᒌᒃ ᑯᑎᐅᑉ ᐃᓗᐊᓄᑦ.

ᖃᐅᔨᓴᖅᑕᐅᖅᑐᖅ ᑕᔪᔪᑦ ᑕᒪᕐ ᒥᒃ ᐅᖅᓯᐊᓗᖃᐅᐲᑦ ᐅᖅᓯᐊᓗᐃᓯᖅᑐᖅᑐᖅ ᓂᑕᒫᑦ. ᖃᐅᔨᓴᖅᑕᐅᑦ ᑎᐊᑲᓐᓂᖅᑐ ᑕᔪᒻ ᒥᔪᑦ ᐱᓕᕆᕕᒻ ᒥ ᐊᐅᓚᑦ ᑎᔪᓄᑦ ᖃᐅᔨᓴᖅᑕᐅᓕᐅᒥᔮᖅ ᑕᖅᑐᑎᒃ.

ᑕᒪᕐᒥᒃ ᐅᖅᓱᐊᓗᒃᑫᐅᑏᑦ ᓇᓗᓇᐃᒃ ᑯᓯᖅᑕᐅᔪᔪᑦ ᐃᒪᐃᑦ ᑐᓂᑦ "AEI". ᐅᖅᓱᐊᓗᒃᑫᑎᒃᑯ ᕖᑦ 31 ᒦᑕᓂᑦ ᐅᖓᓐ ᓂᖅᑲᖅᑐᐃᓐ ᓇᐅᖅᑯ ᑕᔪᔪᑦ ᑕᒪᕐᒥᒃ ᐃᒪᖅᑕᓕᓐ ᓂᑦ.

ᑯᕕᔪᖅᑲᖅᑎᓪ ᓗᒍ ᐱᓕᕆᕕᒻ ᒥ ᐊᒻ ᒪᓗ ᐊᑐᐃᓐ ᓇᐅᖕᖠᓖᑦ ᖃᖓᓕᒫᖅ. ᑯᕕᔪᖅᑲᖅᑎᓪ ᓗᒍ ᓴᓗᒻ ᒪᕐ ᓴᐃᒍᑕᐅᔪᑦ ᐊᑐᐃᓐ ᓇᐅᖅᑯ ᑕᓚᐅᖅᑐᑦ ᓄᓇᒋᔭᐅᕙᑦ ᑐᒥ, ᐃᑰᑕᕐ ᕕᒻ ᒥ ᐊᒻ ᒪᓗ ᑕᒪᕐᒥᒃ ᐅᖅᓴᐃᑲᓐ ᓂᖅᑯ ᑕᓂᕐ ᒥ. ᑯᑐᕐ ᕖᑦ ᐊᑐᖅᑕᐅᕙᑦ ᑐᑎᒃ ᑕᒪᕐᒥᒃ ᐅᖅᓴᐃᖅᑯ ᑕᕐ ᓂᖕᒋ ᓂ.

ᐃᖅᑲᓇᐃᔭᕐ ᓇᐅᑉ ᐃᓱᐊᓂ, ᑕᒪᕐ ᒃ ᒥ ᐅᖅᓱᐊᓗᐃᑦ ᑐᖅᑯᖅᑕᐅᔪᔪᑦ ᓴᐃᒍᓕᐊᕆᓱᒪᔪᒥ ᐃᓂᒋᓂᐊᖅᑕᖕᖓ ᐊᒻ ᒪᓗ ᑎᑎᕋᕐ ᓱᒪᔪᑦ ᐃᓗᓕᖕᖢ ᑭᓲᓂᖕᒋ ᓱᓇᒃ ᑯᑖᖕᒋ ᖃᓄᐃᑦ ᑑᓪ ᒪᖕᖠ ᑎᑎᕋᖅᑕᐅᓯᒪᔪᑦ ᐅᐃᒍᖕᒋ ᓂᐱ–ᒥ.

ᐆᒪᔪᐃᑦ/ᐃᖃᓗᐃᓪᓗ

ᐊᐅᓚᓂᕐ ᒥ ᐱᓕᕆᓂᐅᔪᑦ ᐊᐅᓚᑕᐅᒃᑯ ᑕᔪᔪᖅ ᐊᑦ ᑐᐃᓂᖅᑲᒻ ᒪᓗᐊᕐ ᓂᐊᖕᒋ ᒪᑕ ᐆᒪᔪᓂᑦ. ᑎᒻ ᒥᐊᑦ ᓘᓕᐅᓂᖕᒋ ᓂ, ᐃᕙᓂᖕᒋ ᓂ ᐊᒻ ᒪᓗ ᒪᓐ ᓂᖅᑯ ᓂᖕᒋ ᓂ ᖃᐅᔨᒪᔭᐅᕆᐊᖅᑯ ᑕᔪᔪᑦ ᐊᑐᖅᑕᐅᑦ ᑕᐃᓕᓪ ᓗᑎᒃ ᐃᕙᒍᓐ ᓃᕋᓱᓐ ᓂᖕᒋ ᓂ ᐊᒻ ᒪᓗ ᐱᑭᐅᖕᒋ ᓃᒍᓐ ᓃᕋᓱᓐ ᓂᖕᒋ ᓂ. ᐅᖓᓐ ᓂᓕᓪ ᒥ ᑕᓖᓂ 2 ᑭᓛᒥᑐᓂᑦ ᐊᕙᑖᓂ ᓄᓇᖕᔭᐅᕙᑦ ᑑᑉ ᐊᒻ ᒪᓗ ᐃᑰᑕᕐ ᕕᐅᕙᑦ ᑑᑉ ᖃᐅᔨᓴᖅᑯ ᑕᔪᔪᑦ ᑐᑦ ᑐᐃᑦ ᐊᐅᓚᓂᖕᒋ ᓂᒃ, ᐊᐅᓚᓂᓕᒫᖕᒋ ᓅᖅᑲᓇᐊᖅᑲᖅᑯ ᑕᔪᔪᑦ ᑕᑯᔪᖅᑯ ᓂᖅᑲᑦ ᑐᑦ ᑐᒥᒃ. ᑐᑦ ᑐᓂᑦ ᐊᖅᑯᖀᖅᑐᖅᑲᖅᑯ ᑕᔪᙱᑐᖅ ᐅᕝ ᕙᓃᓐ ᓃᓐ ᓅᕐ ᓇᐅᖅᑐᖅᑲᖅᑯ ᑕᔪᙱᑐᖅ ᐱᓕᕆᕕᒻ ᒥ.

ᖃᖓᓯᓐ ᖃᖓᑕᓂᖕᒋ ᖁᕝ ᕙᓯᓐ ᓂᖅᑲᖅᑯ ᑕᔪᔪᑦ 610 ᒦᑕᓂᑦ ᓄᓇᒥᒃ ᐊᑉ ᐸᓯᕆᐊᕐ ᓗᑎᒃ ᖃᖓᑕᔭᓇᐊᖅᑲᙳᐃᒻ ᒪᑕ, ᑕᒪᓐ ᓇ ᐅᓚᕕᑦ ᑎᒍᑕᐅᕚᙱᑐᖅ ᐆᒪᔪᓂᑦ ᐊᒻ ᒪᓗ ᑎᒻ ᒥᐊᓂᑦ ᑎᑭᑉ ᐸᑦ ᑐᓂᑦ ᐊᐅᓪ ᓚᑉᑦ ᑐᓂᓪ ᓗ. ᑎᑭᑉ ᐸᑦ ᑐᓂᑦ ᐊᐅᓪ ᓚᑉᑦ ᑐᓂᓪ ᓗᑎᒻ ᒥᐊᓂᑦ ᑕᑯᔪᖅᑲᖅᑯ ᑕᔪᙱᑐᖅ ᐱᓕᕆᕕᒻ ᒥ.

ᑕᒪᕐᒥᒃ ᐆᒪᔪᓂᑦ ᑕᑯᒐᐃᒻ ᒪᑕ/ᖃᐅᔨᒐᐃᒻ ᒪᑕᓗ ᖃᐅᔨᒃ ᑲᐃᖅᑯ ᑕᔪᔪᑦ ᓄᓇᓐ ᓂᑦ ᓇᓄᕐ ᓂᑦ ᓇᐅᑦ ᑎᓯᖅᑎᓂᑦ ᐊᒻ ᒪᓗ ᐊᕙᑎᓕᕆᓂᕐ ᒥᒃ ᖃᐅᔨᒪᔨᑕᕐ ᓂᑦ ᑕᓖᓂ ᐱᓕᕆᕕᒻ ᒥ. ᐊᑦ ᑕᓇᖅᑐᒦᕆᐊᖅᑲᙳᕐ ᓂᖅ ᓇᓐᖅᑕᓕᓪ ᒥ ᐊᑐᐊᕐ ᓯᑉ ᔪᑏᑦ" ᒪᓕᑦ ᑕᐅᒃᑯ ᑕᔪᔪᑦ ᐊᒻ ᒪᓗ ᐅᖃᐅᓯᐅᕙᑦ ᑐᑎᒃ ᐱᓇᓱᐊᕈᓯᑕᓖᑦ ᐊᑦ ᑕᓇᖅᑐᒦᑦ ᑕᐃᓕᓂᕐ ᒥ ᑲᑎᒪᖅᑯ ᑕᕐ ᓂᖕᒋ ᓂ. ᑕᒪᕐᒥᒃ ᐆᒪᔪᓂᑦ ᑕᑯᓂᒥᓂᖕᒋ ᑎᑎᕋᖅᑕᐅᒃᑯ ᑕᔪᔪᑦ ᐱᖃᐅᑎᓪ ᓗᒋᑦ ᓱᑯᑦ ᑎᐊᓂ, ᖃᖅᑯ ᑯᑦ ᑕᑯᔭᐅᓐ ᓂᕐ ᒪᖕᖠ, ᐆᒪᔪᐃᑦ, ᐊᒥᓱᓂᖕᒋ ᐆᒪᔪᐃᑦ, ᐆᒪᔪᐃᑦ ᖃᓄᐃᓕᐅᕐ ᓂᒥᓂᖕᒋ, ᐊᖕᖑ ᔪᐊᖕᖑ ᒪᖕᖢ ᐊᕐ ᓇᕐ ᓅᓪ ᒪᖕᖢ ᐅᑭᐅᖕᒋ ᓗ (ᐊᔪᕐ ᓇᙱᑦ ᑕᐃᒻ ᒪᑦ). ᑖᒃ ᑯᐊ ᓇᐃᓈᕐ ᓯᒪᓪ ᓗᑎᒃ ᑎᑎᕋᕐ ᓯᒪᔪᑦ ᐅᐃᒍᖕᒋ ᓂᑎ–ᒥ.

ᐊᖑᓇᓱᑭᐊᖅᑲᖅᑎᑕᐅᓚᑎᒃ ᑕᓖᓂ ᐱᓕᕆᕕᖕᖑᓂ ᒪᓕᑦ ᑐᕆᑦ ᒪᓕᓚᐃᑦ. ᐃᖃᓗᓚᓯᒍᓐ ᓇᖅᑎᑕᐅᕙᑦ ᑐᑎᒃ ᐃᖅᑲᓇᐃᔭᕐ ᓇᐅᕐᑭᖅᓴᐃᒻ ᒪᑦ ᑭᓯᐊᓂ ᐱᔪᓐ ᓇᕐ ᓯᑎᑦ ᑎᒍᑕᐅᓯᒪᔪᑦ ᐱᓯᒪᔭᐅᑦ ᑎᐊᖅᑲᑕ ᑕᐃᒫᒃ ᐱᔭᕆᐊᖅᑯ ᓂᖕᒋ ᒪᓕᓪ ᓗᕆᑦ.

ᓄᓇᒥᒃ ᐊᑦ ᑐᐃᓂᖅ

ᐊᑐᖅᑯ ᑕᕐ ᓂᖅ ᓄᓇᒃ ᑰᕈᑎᓂᑦ ᓇᐅᑦ ᑎᓯᖅᑕᐅᑦ ᑎᐊᖅᑯ ᑕᓚᐅᖅᑐᑦ ᓄᓇᒥᒃ ᐊᑦ ᑐᐃᓗᐊᕐᖁᓯᑦ ᓯᕋᐃᓗᐊᕐᖁᓯᓪ ᓗ. ᑭᒃ ᑯᑐᐃᓐ ᓇᐃᑦ ᐅᖅᑳᔅ ᔭᐅᖅᑯ ᑕᔪᔪᑦ ᐊᐳᑎᒃ ᑰᔅ ᓴᐃᓐ ᓇᖅᑯ ᑕᕐᖃᐅᓪ ᓗᑎᒃ ᐊᒻ ᒪᓗ ᐱᕈᖅᑐᖅᑕᓕᑦ ᑎᒎᖅᑕᐃᓕᖅᑯ ᑕᕐᖃᐅᓪ ᓗᑎᒃ ᐊᑐᖅᑯ ᑕᕐ ᓂᖅ ᓄᓇᒃ ᑰᕈᑎᓂᑦ ᓂᖅᑲᖅᑎᑕᐅᔪᔪᖅ ᐊᐳᑦ ᐊᐅᓚᐅᙱᓂᖕᖢ ᐊᖅᑯᑕᐅᒍᓐ ᓇᐃᓪ ᓕᑎᓪ ᓗᒍ ᐊᑦ ᑐᐃᓂᐊᙱᓗᓂᓕ ᓄᓇᒥᒃ. ᐊᖅᑯᑕᐅᖅᑯ ᑕᔪᔪᑦ ᖃᐅᔨᓴᖅᑕᐅᖅᑯ ᑕᔪᔪᑦ ᐱᓕᕆᕕᒻ ᒥ ᐊᐅᓪᓚᑦ ᑎᔨ ᓅᑦ ᐊᐅᔭᐅᑎᓪ ᓗᒍ ᐋᖅᑭᒋᐊᖅᑕᐅᕙᑦ ᑐᑎᓪ ᓗ ᐋᖅᑭᒋᐊᖅᑕᐅᔭᕆᐊᖅᑲᐃᒻ ᒪᑕ.

ᐃᑦ ᑕᕐ ᓂᖅ ᖃᖅ ᕖᑦ

ᑕᒪᕐᒥᒃ ᐃᑰᑕᕐ ᕖᑦ ᐃᖅᑲᓇᐃᔭᕐ ᕖᓪ ᓗ ᖃᐅᔨᓴᖅᑕᐃᓐ ᓇᐅᔪᔪᑦ ᐃᑦ ᑕᕐ ᓂᖅ ᖃᖅ ᕕᑦ ᑕᖅᑲᖅᑲᓗᐊᕐ ᒪᖕᖢᖅ ᐃᖅᑲᓇᐃᔭᕆᐊᓯ ᓚᐅᙱᓂᖕᒋ ᓂ. ᐃᑦ ᑕᕐ ᓂᖅ ᖃᖅ ᕖᑦ /ᑕᐃᔅ ᓯᒪᓂᖅ ᑐᖅᑯ ᓂᑦ ᐃᓅᔪᒥᓂᕐ ᓅᑦ ᐊᑐᖅᑕᐅᓂᑯᒥᓃᑦ /ᐃᓗᕕᖅᑯ ᕖᓪ ᓗᐊᑦ ᑐᑕᐅᑦ ᑕᐃᓕᖅᑯ ᑕᔪᔪᑦ ᑕᓖᓂ 50 ᒦᑕᒥᒃ ᐅᖓᑦ ᑎᕆᕙᑦ ᑐᑎᒃ. ᑕᒪᕐᒥᒃ ᖃᐅᔨᔭᐅᔪᑦ ᑎᑎᕋᖅᑕᐅᑦ ᑎᐊᖅᑯ ᑕᔪᔪᑦ ᐊᒻ ᒪᓗ ᖃᐅᔨᒃ ᑲᐃᓂᕐ ᒍᑦ ᐱᓕᕇ ᔪᓯᐅᔭᓇᐊᖀᑦ ᑲᔪᓯᑎᑕᐅᕙᑦ ᑐᑎᒃ.

ᐃᕐ ᖑᖅᑐᑦ/ᑯᕕᔪᓪᓗ

ᐅᖅᓱᐊᓗᒃ ᐊᑦ ᑕᓇᖅᑐᓪᓗ ᑯᕕᓐᓂᖅᑲᑕ ᐸᕐ ᓇᐅᑏᑦ ᒪᓕᑦ ᑕᐅᖅᓯ ᑕᔪᔪᑦ ᐱᓕᕆᓂᓕᒫᖏᓂ ᑲᒪᑎᐊᕈᑕᐅᕙᑦ ᑐᑎᒃ ᐃᕐ ᖑᖅᑐᖅᑲᖅᑎᓪ ᓗᒍ ᑯᕕᔪᖅᑲᖅᑎᓪ ᓗᒍᓘᓐ ᓃᑦ .

ᒪᕐ ᕈᐊᑎᖅᑐᑎᒃ ᖃᓄᐃᓐ ᓂᖅᑕᖅᑕᕐ ᒪᑦ . ᑕᑎᐅᕐ ᒥᒃ ᑯᕕᔪᖅᑕᕐ ᒪᑦ ᑕᑎᐅᖅ ᑑᔅ ᓴᔭᒦᑦ ᑐᖅ ᐊᓚᓐ ᓂᕐ ᖑ ᐊᒻ ᒪᓗᑲᑕᑦ ᑐᒥᓂᐅᓪ ᓗᓂᖅᑖᒎᓕᓪ ᒍᑦ ᓂᑦ ᑕᖅᑕᐅᓯᒪᓂᖕᖏᓐ. ᑕᒪᕐ ᒥᒃ ᓯᕈᖅᑐᑦ ᓄᓇᐊᐳᓪ ᓗᖃᓗᕋᖅᑕᐅᔪᔪᑦ ᑑᔅ ᓴᒨᖅᑲᖅᑕᐅᓪ ᓗᑎᒃ , ᐊᒻ ᒪᓗ ᐅᑎᐅᔾ ᔭᐅᓪ ᓗᑎᒃ ᐃᖅᑲᓗᓖᕐ ᔪᓐ ᓂ ᑯᕖᔾ ᔭᐃᒃ ᑯᓯᕐ ᕕᐅᓯᒪᔪᒍᑦ ᐃᒪᖓ ᑕᕝ ᕙᓃᑦ ᑐᖅ ᐃᒪᖅᑲᖏᑐᓐ ᖅᑲ ᑕᐅᔭᕐ ᒎᖅᑲᖅᑕᐅᓪ ᓗᓂ. ᑕᒪᕐ ᒥᒃ ᑑᔅ ᓴᐃᑦ ᖅᑲ ᑕᐅᔭᐃᓪ ᓗ ᓅᑕᐅᑖᖅᑐᑦ ᐊᐅᓪ ᓚᖅᑎᑕᐅᓗᑎᒃ ᐊᑦ ᑕᖅᑕᐅᕕᕆᕆᐊᓕᖏᓐ ᓂᑦ . ᐅᖅᓱᐊᓗᓖ ᒥᒃ ᒥᑭᔪᕈᓘ ᒥᑦ ᑯᕕᔪᖅᑕᔪᖅ ᑕᓯᕋᑳᕈᓘ ᒥ ᑕᐃᒪᐃᓚᕐ ᕈᒍᑎᖅᑕᔪᖅ ᑭᓂᕕᐅᓯᒪᔪᖅ ᑕᕝ ᕗᖑᖅᑐᒥᓂᐅᒪ ᒪᑦ . ᑖᓐ ᓇ ᑭᓂᑎᕕᓐ ᓄᑦ ᐃᓕᓯᕕᐅᔪᔪᖅ, ᐲᖅᑕᐅᔪᔪᖅ ᐊᒻ ᒪᓗᑐᖅᑯᖅᑕᐅᔪᔪᖅ ᐊᐅᓪ ᓚᕈᔾ ᔭᐅᔪᓐ ᓇᕐ ᓯᒐᓯᐊᕐ ᓂᖕᖓᑐᖅᑯᖅᑕᐅᓯ ᓂᐊᖅᑐᑎᒃ .

ᐊᐅᔭᖅ, ᐃᒥᕐ ᒥᒃ ᓄᒥᓪ ᓗ ᐃᔾ ᔪᒥᒃ ᖃᐅᔨᓴᕋᔅ ᓴᓂᔪᔪᑦ ᑖᒃ ᑯᐊ ᐃᒻ ᒥᒃ ᑯᑦ ᖃᐅᔨᒪᔨᑕᐃᑦ ᑲᒎᔪᔪᑦ ᑕᒪᒃ ᐲᓐ ᓂᒃ ᐱᓕᕆᕕᐅᔫᓐ ᓂᒃ ᐱᔪᔪᑦ ᖃᐅᔨᓴᕐ ᓂᐊᕋᒥᒃ ᐊᑦ ᑐᐃᓂᕈᓯᒪᓚᓴᙳᐊᖅᑕᖕᖏᓂᒃ . ᖃᐅᔨᒍᑕᐅᔪᑦ ᑐᑭᓯᒍᑕᐅᓯᒪᔪᑦ ᐊᑦ ᑐᐃᓂᖅᑲᒻ ᒪᔅ ᓯᒪᙱᑦᐊᕐ ᓂᖕᖔᒃ ᐊᒻ ᒪᓗ ᓇᐅᑦ ᑎᓯᖅᑕᐅᑲᓐ ᓂᕈᐊᑐᓚᓂ. ᑕᒪᕐ ᒥᒃ ᑯᕕᔪᑦ ᒥᔅ ᓵᓄᑦ ᐅᓂᒃ ᑳᑦ ᐊᒻ ᒪᓗᖃᐅᔨᕆᐊᒃ ᑲᓐ ᓂᕈᑕᐅᓯᒪᔪᑦ ᑐᔫᑕᐅᓯᒪᔪᑦ ᑲᒪᔨᓪ ᓚᑦ ᑖᓄᑦ ᑕᒪᑐᒥᖓ

ᖃᐅᔨᓴᕐ ᓅᑦ/ᐱᓕᕆᕝᒪ ᒧᑦ ᑕᑯᔭᖅᑐᖅ ᑕᕐ ᓂᖅ

ᑎᒥᐅᔪᖅ ᖃᐅᔨᓴᖅ ᑕᔪᔪᑦ ᖃᐅᔨᓴᕈᐊᖅ ᓂᖏ ᒪᓕᑦ ᑐᖏ ᒪᓕᑎᐊᕋᓗᐊᕐ ᒪᖑᖓ ᐱᔪᓐ ᓇᐅᑎᖏ ᓄᑦ /ᓚᐃᓴᖏ ᓄᑦ ᓗ ᑭᓪ ᓚᖏᓂᒃ ᒪᓚᒡ ᓴᖏᓂᑦ ᓗ ᐱᓕᕆᓂᖏᓂ. ᖃᐅᔨᓴᕈᐊᖅᑐᖅᑲᖅ ᑕᔪᒪ ᒥᔪᖅ ᐱᓕᕆᕝᒪ ᒧᑦ ᓗ ᑕᑯᔭᖅᑐᖅᑐᖅᑲᖅᐸᑦ ᑐᓂ ᑎᒍᒥᐊᖅᑎᐅᖅᑲᐅᔪᓂᑦ ᐊᓯᖏ ᓂᒃ ᐱᓕᕆᓂᖏ ᓂᐊᒻ ᒪᓗᓇᐃᓅᕐ ᓯᒪᓪ ᓗᑎᒃ ᑎᑎᕋᕐ ᓯᒪᔪᑦ ᑕᑯᔭᔅ ᓴᑦ 1ᒥ 2ᒥ ᓗ.

ᑕᑯᔭᔅ ᓴᑦ 1: 2011ᒥ ᖃᐅᔨᓴᕈᑕᐅᓯᒪᔪᑦ ᑐᒃ ᑐ ᐱᓕᕆᓂᕐ ᒥ.

ᐅᓪ ᓗᖓ	ᖃᐅᔨᓴᕐ ᓂᖅ
ᔪᓚᐃ 15, 2011	ᐃᖅᑲᓇᐃᔭᖅᑏᑦ ᐊᑦ ᑕᓇᖅᑐᒦᑦ ᑕᐃᓕᒋᐊᖅᓯᓐ ᓂᖏ ᓄᑦ ᐃᑲᔫᓯᐊᖅᑖᖅᑎᑕᐅᖅᓯ ᑕᕐ ᓂᖏ ᓄᓪ ᓗ ᑲᑎᒪᔩᑦ ᖃᐅᔨᓴᕈᐊᔪᔪᑦ ᐊᑦ ᑕᓇᖅᑐᖅᑕᖅᑲᖅᑲᓗᐊᕐ ᒪᖑᖅ
ᔪᓚᐃ 12, 2011	ᐃᓄᓕᕈᔾ ᔪᖅᑐᖅ ᑯᑦ ᓄᓇᒥᒃ ᐃᒪᖕᖏᓐ ᓗᖃᐅᔨᓴᕈᐊᔪᔪᑦ
ᔪᓚᐃ 25, 2011	ᓄᓇᕗᑦ ᒐᕙᒪᒃ ᑯᖓ , ᓄᓇᓚᓐ ᓂᑦ ᒐᕙᒪᒃ ᑯᓂᓪ ᓗ ᐱᔾ ᑎᕋᖅᑏᑦ , ᐃᑯᐊᓪ ᓚᑦ ᑕᐃᓕᑎᑦ ᑎᓂᕐ ᒥᒃ ᖃᐅᔨᓴᕈᐊᔪᔪᑦ

ᖃᐅᔨᓴᕐ ᓂᖏᓂ, ᐅᖃᐅᓯᐅᔪᑦ ᖃᓄᐃᓐ ᓇᖅ ᑲᒪᒋᔭᐅᖅᑕᔪᔪᑦ ᐃᕐ ᖑᕐ ᓇᖅ ᖃᐅᔨᓴᕐ ᓂᖅᑕᖅᑲᖅᑎᓪ ᓗᒍ, ᐊᔪᕐ ᓇᙱᑕᐃᒻ ᒪᑦ . ᐊᓯᖏ ᐊᑯᓂᐅᓂᕐ ᓵᖅᑐᖅ ᑕᔪᔫᒐᓗᐊᑦ ᑲᒪᒋᔭᐅᔭᕆᐊᖁᑦ ᒪᓕᑦ ᑐᕆᑦ ᖃᐅᔨᓴᕈᑕᐅᓯᒪᔪᑦ ᓅᒻ ᒪᓅᕐ ᓯᒪᒋᐊᕐ ᔫᒥᔪᒥ ᐊᒻ ᒪᓗ ᖃᐅᔨᓴᖅᑏᑦ ᖃᐅᔨᒃ ᑲᖅᑕᐅᖅᑕᔪᔪᑦ ᐱᔭᕇᕋᐃᒻ ᒪᑕ. ᑕᒪᕐ ᒥᒃ ᐃᓯᒫᓗᕈᑕᐅᓪ ᓚᕆᑦ ᑐᓂᑦ ᓴᖅᑭᖅᑐᖅᑕᕐ ᖓᖅᑐᖅ ᖃᐅᔨᓴᕐ ᓂᐅᔪᓂᑦ .

ᑕᑯᔭᔅ ᓴᑦ 2: 2011ᒥ ᐱᓕᕆᕝᕙᓐ ᓄᑦ ᑕᑯᔭᖅᑐᖅ ᑕᕐ ᓂᖅ ᑐᒃ ᑐ ᐱᓕᕆᓂᕐ ᒥ.

ᐅᓪ ᓗᖓ	ᐱᓕᕆᕝᒪ ᒧ ᑕᑯᔭᖅᑐᕐ ᓂᖅ
ᔪᓚᐃ 21, 2011	ᐃᓄᓕᕈᔾ ᔪᖅᑐᖅ ᑯᑦ ᐊᕙᑎᓕᕈᔾ ᔪᖏ
ᐋᒡ ᒌᓯ 2 – 5, 2011	Wardrop
ᐋᒡ ᒌᓯ 10, 2011	ᓄᓇᕗᑦ ᒐᕙᒪᒃ ᑯᖓ

ᖃᖕᙵᓲᑦ

ᖃᖕᙵᓲᑦ ᖃᖕᙵᓂᕆᕙᑦ ᑕᖕᒥ ᑕᐃᒫᒃ ᓴᖅᑭᖅᑕᐅᓯᒪᒻᒪᑕ ᐱᔪᓐᓇᐅᑎᓂᑦ/ᓚᓴᓂᑦ ᑮᓪᓚᖕᒥᓂ ᒪᓕᒐᒃ ᓴᖕᒥᓃᓗ ᒪᓕᓐ ᑕᐅᖅᓯ ᑕᔪᔪᑦ ᐸᕝᕕᓴᑦ ᑕᐃᓕᓪᓗᑎᒃ ᐆᒪᔪᓂᑦ. ᖃᖕᙵᓲᑦ ᖃᖕᒐ ᑕᖅᓯ ᑕᕐ ᓂᖕᒥ ᒥᖅᓯ ᑕᕐ ᓂᖕᒥᓗ ᒥᒃ ᓴᐅᓴᑦ ᑕᐅᖅᓯ ᑕᔪᔪᑦ ᐱᓕᕆᓐᓇᐅᓂᐊᖅᑐᒥ ᒪᓕᓐ ᑐᑭᑦ ᖁᕝᕙᓗᒻᒥᒃ ᑯᑦ ᖃᖕᒐ ᑕᐅᑎᑖᕈᑕᐅᓯᒪᔪᑦ. ᐅᓪᓗᖕᒥ, ᓯᑯᑦ ᑎᐊᓅᓐ ᓂᖕᒥ ᐊᒻᒪᓗ ᐱᔾ ᔪᑎᖕᒥ ᖃᖕᙵᓂᕐ ᒧᑦ ᓇᐃᓅᕐ ᓯᒪᓪᓗᑎᑦ ᑎᑎᖅᖃᖅᑕᐅᓯᒪᔪᔪᑦ. ᖃᖕᙵᓲᒃ ᑯᑦ ᖃᐅᔨᓴᖅᑐᖅᓯ ᓯᒪᙱᑐᖅ. ᑖᒃ ᑯᐊ ᑎᑎᕋᖅᑕᐅᓯᒪᔪᑦ ᓇᐃᓅᕐ ᓯᒪᓪᓗᑎᑦ ᑎᑎᕋᖅᑕᐅᓯᒪᔪᑦ ᐅᐃᒍᖕᒥ ᓂᑭ–ᒥ.

ᐊᕙᑎᓕᕆᓂᕐ ᒥ ᑐᙳᕕᐅᓂᐊᖅᑐᓂᑦ ᖃᐅᔨᓴᕐ ᓂᖅ

EBA ᓴᓇᔪᓕᕆᓂᕐ ᒧᑦ ᖃᐅᔨᒪᔨᑕᐃᑦ ᑎᒥᖓ. ᖃᐅᔨᓴᔪᔪᑦ ᐊᕙᑎᓕᕆᓂᕐ ᒥᒃ ᑐᙳᕕᐅᓂᐊᖅᑐᓂᑦ ᖃᐅᔨᓴᕐ ᓂᕐ ᒥ ᐃᖅᑲᓇᐃᔭᕐ ᓇᐅᓂᖓᓂ, ᑖᒃ ᑯᐊ ᓇᐃᓅᕐ ᓯᒪᓪ ᓗᑎᒃ ᑕᑯᔭᒃ ᓴᓂᑦ 3ᒥ.

ᑕᑯᔭᒃ ᓴᑦ 3: 2011ᒥ ᐊᕙᑎᓕᕆᓂᕐ ᒧᑦ ᑐᙳᕕᐅᓂᐊᖅᑐᓂᑦ ᖃᐅᔨᓴᕐ ᓂᖅ ᑐᒃ ᑐ ᐱᓕᕆᓂᕐ ᒧᑦ.

ᐅᓪ ᓗᖓ	ᐊᕙᑎᓕᕆᓂᕐ ᒧᑦ ᑐᙳᕕᐅᓂᐊᖅᑐᓂᑦ ᖃᐅᔨᓴᕐ ᓂᖅ	ᐱᔾ ᔪᑎᖓ
ᒫᑦ ᓯ 18 – 26, 2011	ᐃᓄᑦ ᑎᒍᑦ –ᒪᑭᒪᔾ ᔪᑕᐅᓂᐊᖅᑐᓂᑦ ᐊᒻ ᒪᓗ ᖃᐅᔨᒪᔭᑐᖅᑕᕐ ᓂᑦ ᖃᐅᔨᓴᕐ ᓂᖅ	ᑭᑦ ᓕᓯ ᓂᐊᕈᑕᐅᓯᒪᔪᓂᑦ ᑐᑭᓯᐅᒪᔾ ᔪᑎᒃ ᓴᖅᑖᓂᐊᕐ ᖕᖓ ᓄᓇᓖᑦ ᖁᑉᐱᖅᑕᓂ ᐊᒻ ᒪᓗ ᖃᐅᔨᒪᔭᑐᖅᑕᕐ ᓂᑦ ᐃᓕᖅᑯᓯᐅᑉ ᐊᕙᑎᐅᑦ ᓗ ᐱᒻ ᒪᕆᐅᓂᖕᖏ ᖁᑉᐱᖅᑕᓂ.
ᔫᓂ 24, 2011 – ᔪᓚᐃ 1, 2011	ᓄᓕᐅᔪᓂᑦ ᑎᒻ ᒥᐊᓂᑦ ᐅᔨᓴᕐ ᓂᖅ	ᑎᑎᕋᖅᑕᐅᕙᑦ ᑐᑎᒃ ᐆᒪᔪᐃᑦ ᐊᒻ ᒪᓗ ᐃᓂᖏ ᐱᓕᕆᕕᒻ ᒥ.
ᔫᓂ 26, 2011	ᑐᑦ ᑐᓂᑦ ᖃᐅᔨᓴᕐ ᓂᖅ	ᑎᑎᕋᖅᑕᐅᕙᑦ ᑐᑎᒃ ᐱᑕᖅᑯ ᓂᖏ /ᐱᑕᖅᑯᙱᓂᖏ ᐊᒻ ᒪᓗ ᒥᒃ ᓴᐅᓴᑦ ᑕᐅᕙᑦ ᑐᑎᒃ ᐊᒥᕆᓂᖏ ᐱᑕᖃᓗᐊᙳᐊᕐ ᓂᖏ ᓂᑕᒫᓂ.
ᔪᓚᐃ 10 – 26, 2011	ᐃᑦ ᑕᕐ ᓂᓴᕐ ᓂᑦ ᖃᐅᔨᓴᕐ ᓂᖅ	ᑎᑎᕋᖅᑕᐅᕙᑦ ᑐᓂ ᐃᓂᖓ ᐊᒻ ᒪᓗ ᑎᑎᕋᖅᑕᐅᓪ ᓗᑎᒃ ᐱᒻ ᒪᕆᐅᓂᖏ ᐃᑦ ᑕᕐ ᓂᓴᖅᑯ ᕕᑦ ᑕᒫᓂ.
ᔪᓚᐃ 30 – 31, 2011; ᐋᒡ ᒌᓯ 27 – 28, 2011	ᐃᒥᐅᑉ ᖃᓄᐃᓐ ᓂᖏᓐ	ᑐᙳᕕᖏ ᓂ ᐊᑐᖅᑕᐅᖃᒍᑦ ᑐᑦ ᐃᒪᐃᑦ ᖃᓄᐃᓐ ᓂᖏ ᓂᑕᒫᓂ.
ᔪᓚᐃ 31, 2011	ᑎᒻ ᒥᐊᓂᑦ ᐃᒫᓅᓲᓂᑦ ᖃᐅᔨᓴᕐ ᓂᖅ	ᑎᑎᕋᖅᑕᐅᕙᑦ ᑐᑎᒃ ᐱᑕᖅᑯ ᓂᖏ /ᐱᑕᖅᑯᙱᓂᖏ ᓗᑕᒫᓂ.
ᐊᔾ ᔩᙱᑐᑦ ᐃᓚᒋᔭᐅᓪ ᓗᓂ ᐊᓯᖏ ᓄᑦ ᖃᐅᔨᓴᕐ ᓂᐅᔪᓄᑦ	ᑎᒻ ᒥᐊᓂᑦ ᓂᕿᑦ ᓴᕐ ᓯᐅᓲᓂᑦ ᑦ ᐆᒪᔪᓂᑦ ᖃᐅᔨᓴᕐ ᓂᖅ	ᑎᑎᕋᖅᑕᐅᕙᑦ ᑐᑎᒃ ᐱᑕᖅᑯ ᓂᖏ /ᐱᑕᖅᑯᙱᓂᖏ ᓗ ᐊᒻ ᒪᓗ ᓄᓕᐅᕕᐅᔪᑦ ᑕᒫᓂ.
ᑲᔪᓯᓐ ᓇᖅᑐᖅ ᐊᕐ ᖀᒍᓕᒪᖅ	ᓯᓚ	ᓯᓚᒥᒃ ᖃᐅᔨᓴᕐ ᕕᒃ ᓯᓕᐊᑐᖅᑐᖅ.

ᐅᓂᒃ ᑳᑦ ᑖᒃ ᑯᓇᓂ ᑐᙳᕕᐅᔪᓂᑦ ᖃᐅᔨᓴᕐ ᓂᐅᔪᓂᑦ ᑐᓂᔭᐅᓯᒪᔪᑦ ᒪᓕᑦ ᑐᖕᒥ ᐱᔪᓐᓇᐅᑎᑖᕈᑎᒋᓯᒪᔭᖕᒥ. ᑐᙳᕕᒋᓂᐊᖅᑕᖕᒥ ᓂᒃ ᖃᐅᔨᓴᕐ ᓂᖅ ᓯᓚᑲᔪᓲᓐ ᓇᓂᐊᖅᑐᖅ ᐱᕙᓪ ᓚᐊᓂᖕᒥ ᓂᐊᕐ ᖀᒍᓂᑦ.

ᓇᐃᓅᕐ ᓯᒪᔪᑦ ᑎᑎᕋᕐ ᓯᒪᔪᑦ ᐃᒥᖕᖓ ᖃᓄᐃᓐ ᓂᖏᓐ ᖃᐅᔨᓴᖅᑕ ᑕᓂᕐ ᒥᒃ ᐅᐃᒍᖕᒥ ᓂᒋ–ᒥ.

ᓴᓗᒪᕐᓴᐃᓂᖅ

ᑕᒪᕐᒥᒃ ᓴᓗᒪᕐᓴᐃᓃᑦ ᓄᓇᒋᔭᐅᓂᑦ ᑐᒥ ᐊᒻᒪᓗ ᐃᒫᑕᕐ ᕿᐅᓂᑦ ᑐᒥ ᐱᔭᕇᖅᑕᐅᔪᔪᑦ ᒪᓕᑦ ᑐᕆᑦ ᐃᖅᑲᓇᐃᔭᕐ ᓇᒥ ᓴᓗᒪᕐᓴᐃᓂᕐ ᒧᑦ ᐸᕐ ᓇᐅᑏᑦ ᑎᑎᕋᕐ ᓯᒪᔪᑦ ᑖᒃ ᑯᓇᓂ ᕿᒪᒃ ᑲᑯᓘᑦ ᐃᕕᖅᑎᑦ ᑎᓂᕐ ᒧᓪᓗ ᐸᕐ ᓇᐅᑎᓂᑦ.

ᓈᒪᔪᒥᒃ ᖃᐅᔨᓴᕐ ᓯᒪᔪᑦ ᑕᒪᕐᒥᒃ ᓄᓇᒥᒃ ᐊᑦ ᑐᖅᑕᐅᓯᒪᔪᒥᒃ (ᓄᓇᒋᔭᐅᓂᑦ ᑐᒥ ᐃᒫᑕᕐ ᕿᐅᓂᑦ ᑐᒥ) ᐃᖅᑲᓇᐃᔭᕐ ᓂᖕᒐ ᐱᔭᓅᓚᐅᙱᓐᓂᖕᒐ ᑕᒪᕐᒥᒃ ᖃᐅᔨᓴᖅᑕᐅᓯᒪᓪ ᑎᐊᖅᑐᑎᒃ ᐱᓕᕆᕕᐅᓯᒪᔪᓂᑦ. ᓄᓇᒋᔭᐅᓂᑦ ᑐᖅ ᒪᑐᔭᐅᔪᔪᖅ ᐊᑦ ᑕᓇᐃᖅᑕᐅᓪ ᓗᓂᓗ ᐅᑭᐅᖑᓂᐊᖅᑐᒥ. ᑕᒪᕐᒥᒃ ᑐᐲᑦ ᓇᑉ ᐸᖅᑕᐅᓯᒪᔪᑦ ᑮᑦ ᑕᐅᔪᔪᑦ ᐊᔭᒍᑦ ᑎᖅᑕᐅᑦ ᑎᐊᖅᑐᑎᓪ ᓗ. ᓯᕐᓭ ᓴᕋᐃᙳᑐᑦ ᓂᕐᑮᑦ ᐊᑦ ᑕᓇᐃᖅᑕᐅᔪᔪᑦ ᑕᒫᓂ.

ᓴᓗᒪᕐᓴᐃᓂᖅ ᐃᒫᑕᕐ ᕿᓐᓂᑦ ᐱᕆᐊᖅᑕᐅᑎᕆᔪᔪᖅ ᐱᕆᐊᕐ ᓴᕋᐃᒍᓐ ᓇᕐ ᕿᙵ ᐃᒫᑕᓚᐅᖅᑎᓪ ᓗᕆᑦ. ᐃᒫᑕᕐ ᓂᕐ ᒥ ᑲᑕᒐᕐ ᓂᑯᐃᑦ ᐆᔅ ᓴᒨᖅᑲᖅᑕᐅᔪᔪᑦ ᐊᒻᒪᓗ ᐊᑐᖅᑕᐅᓪ ᓗᑎᒃ ᐃᓂᑐᖅᖃᓚᐅᖅᑕᖕᒪᓂᑦ ᐅᑎᖅᑎᑦ ᑎᑳᒥᕆᐊᕆᑕᐅᓪ ᓗᓂ ᐱᐅᓯ ᓇᓚᐅᖅᑕᖕᒪᓂᑦ ᑕᐃᒪᐃᒋᐊᖅᖃᖅᑎᓪ ᓗᕆᑦ, ᐊᒻᒪᓗᑦ ᑕᐅᖅ ᐊᔾᔨᖓ ᓂᒃ ᓴᓗᒪᐃᒋᐊᓇᐊᖅᖃᖅᑎᓪ ᓗᕆᑦ. ᐃᒫᑕᕐ ᕿᑦ ᖃᐅᔨᓴᖅᑕᐅᓕᔪᕆᓪ ᓗᑎᒃ ᕿᒥᕐ ᕈᔭᐅᑦ ᑎᐊᖅᑐᑎᓪ ᓗ ᓴᓗᒪᕐ ᓴᖅᑕᐅᔭᓇᐊᖅᖄ ᒪᙳᓪᓗ ᐃᓄᓯᕿᐅᕙᖅᑐᑎᒃ ᐅᕐ ᔪᓂᑦ ᐱᕈᕐ ᕿᐅᑦ ᑎᐊᑲᓐ ᓂᕈᓐ ᓇᓖᕐᔪᕐ ᓗᒍ ᐱᓕᕆᕕᐅᓯᒪᔪᖅ. ᐃᓚᖕᒥ ᐃᒫᑕᕐ ᕿᐅᓯᒪᔪᑦ ᐊᒥᓲᖕᖏᑐᓂᑦ ᐄᔭᐃᕿᐅᓂᑯᖅᑲᔪᑦ ᐅᔾ ᔾᕐ ᓄᓗᐊᕋᑎᓪ ᓗ ᑕᒫᓂ ᐊᕙᑖᓂ. ᑕᒪᒃ ᑯᐊ ᓴᓗᒪᓴᖅᑕᐅᑲᓐ ᓂᕆᐊᑐᖅᑲ ᑕᔪᙱᑐᑦ ᐃᓕᓯ ᕿᐅᓗᓂᑦ ᐅᕐ ᔪᓂᑦ. ᐃᓚᖕᒥ ᐃᒫᑕᕐ ᕿᐅᓯᒪᔪᑦ ᓴᖅᑭᔮᖅᑐᒥᒃ ᐄᔭᐃᕿᐅᓂᑰᖅᑲᖅᑲ ᑕᔪᔪᑦ ᐊᒻᒪᓗᓴᓗᒪᓴᖅᑕᐅᕙᓂᑦ ᑐᑎᒃ ᐃᓕᓯ ᕿᐅᓪ ᓗᑎᒃ ᐅᕐ ᔪᒥᑦ ᐃᓕᓯ ᕿᐅᔭᕆᐊᖅᓯᐃᒻ ᒪᑕ. ᖃᐅᔨᒪᔭᐅᔭᕆᐊᓕ ᐃᓚᖕᒥ ᐳᑐᔭᐅᓯᒪᔪᑦ ᐅᕐ ᔪᓕᖅᑕᐅᕐᔪᑦ ᑕᔪᙱᑐᑦ ᑐᑭᓯᔭᐅᑦ ᑎᐊᓂᕐ ᓴᐅᒧᒪᓪ ᓗᑎᒃ ᖃᓄᖅ ᐊᑑᑎᓂᖅᑲᓘᕈ ᒪᙳᕈ ᐅᕐ ᔪᐃᑦ ᐃᓂᑐᖅᖃᓐᓂᑦ ᐅᑎᖅᑎᑦ ᑎᕆᐊᕐ ᓂᕐ ᒥ ᖃᓇᐃᑎᑦ ᑎᓂᕈ ᒪᙳ. ᑕᒪᑐᒥᖕᖑᖃᐅᔨᓇᓱᐊᕈᑕᐅᓂᐊᖅᑐᑦ ᓂᕈᐊᖅᑕᐅᔪᔪᑦ ᐱᖁᔨᐅᔅ ᔨᓯᒪᕐᓱ ᓗᕆᑦ ᐊᑐᓂᑦ ᐊᔅ ᔨᕆᙳᐊᕐᑐᓂᑦ ᓇᔪᕕᐅᔪᓂᑦ ᐊᑐᖅᑕᐅᔪᔪᓂᑦ ᐃᒫᑕᕐ ᓂᕐ ᒥ. ᑕᒪᕐ ᒥᒃ ᐳᑐᔭᐅᓯᒪᔪᑦ ᖃᐅᔨᓴᖅᑕᐅᓖᖅᑐᑦ ᓄᓇᒋᔭᐅᓂᑦ ᑐᖅ ᒪᑐᐃᒃ ᑲᓂᖅᑲᑦ ᖃᐅᔨᓴᖅᑕᐅᓗᓂᓴᓗᒪᓴᖅᑕᐅᕆᐊᒃ ᑲᓐ ᓂᕈᐊᕐᔪᕐ ᓂᐊᕐ ᒪᙳᖅ.

ᓄᓇᓕᖕᓂᑦ ᑐᓴᕆᐊᕐ ᕕᖅᑯ ᓂᖅ ᐊᒻ ᒪᓗᓄᓇᓕᖕᓂᑦ ᐃᖅᑲᓇᐃᔭᖅᑎᑦ ᑎᓂᖅ

ᒪᑐᐃᖕᖓᒥᒃ ᐋᖅᑭᓯᒪᓂᓖᑦ ᑖᒃ ᑯᐊ ᑎᒥᐅᔪᑦ AEI ᐊᒻᒪᓗ ᓄᓇᓖᑦ ᓴᓂᕋᔭᒻ ᒥ ᐃᖃᓗᒃᑐᑦᒥᓗ, Hᐊᒪᓚᒃ ᑯᓪᓗ ᑲᑎᒪᔨᖕᒥ, ᐆᒪᔪᕐ ᓂᐊᑎᒃ ᑯᓪᓗ, ᓄᓇᓕᖕᓂᓪᓗ ᓄᓇᓕᕆᓂᕐ ᒧᑦ ᑲᑎᒪᔨᕋᑦᑏᑦ, ᒪᐃᔭᐃᑦ, ᑭᒃ ᑯᑐᐃᓐ ᓇᐃᓪᓗ, ᐃᓕᓴᕖᓪ ᓗᐊᒻ ᒪᓗᐊᔪᙱᑦ ᓄᓇᓕᐅᖅᑕᐅᔪᑦ.

ᐱᓕᕆᓂᕐ ᒥ, ᐱᓕᕆᐊᕐ ᒥ ᐊᐅᓚᑦ ᑎᓭ ᑕᒫᓂᒥᐅᑕᖅ ᓄᓇᒋᔭᐅᔪᑦ ᑐᒥ ᐊᒻ ᒪᓗ ᐱᓕᕆᕕᒻ ᒥ ᑲᒪᔅ ᑎᒥᐅᔫᑉ ᐃᑦ ᓗᕐᑎᖕᖑᓂᒥᐅᑕᐅᔪᔪᖅ ᓴᓂᕋᔭᒻ ᒥ. ᑕᒪᒃ ᑮᒃ ᐊᑐᐃᓐ ᓇᐅᖅᑐᖅ ᑕᔪᔫᒃ ᐅᖅᑯ ᕿᐅᔪᓐ ᓇᖅᑐᑎᒃ ᑲᒪᑭᔭᖅᑰᓐ ᓇᖅᑐᑎᓪ ᓗᐃᓯᒫᓗᑦᑕᐅᔪᓂᑦ.

ᓄᓇᒋᔭᐅᓂᑦ ᑐᖅ ᑐᙵᓱᑦ ᑎᑦ ᑏᓐ ᓇᖅᑐᖅ ᑕᔪᔪᖅ ᓄᓇᓕᖕ ᓄᑦ ᐊᑲᕐ ᓇᒍᑕᐅᓪ ᓗᑎᒃ ᐊᖑᓇᓯᑦ ᑎᓄᑦ ᐊᔪᙱᓄᓪ ᓗ ᓄᓇᓕᖕ ᓄᑦ ᐊᖅᑯᓵᕋᐃᒻ ᒪᑕ ᑕᒪᐅᓇ ᑎᒥᐅᔪᖅ AEI ᐃᑲᔪᕐ ᓇᖅᑐᖅ ᑕᔪᒻ ᒥᔪᑦ ᑐᐊᕕᕐ ᓇᖅᑐᖅᑕᖅᑎᓪ ᓗᒍ ᐱᖅᑯᐅᑎᓪ ᓗᕆᑦ ᐱᙳ ᓇᖅᑐᖅᑕᖅᑎᓪ ᓗᒍ ᕿᓂᕐ ᓂᕐ ᒥᒃ ᐊᑐᖅᑕᐅᔭᕆᐊᖅᓴᐃᒻ ᒪᑕ ᐃᖅᑲᓇᐃᔭᕐ ᓇᒥ.

ᓄᓇᓕᖕ ᓄᑦ ᐃᖅᑲᓇᐃᔮᓯ ᓴᐅᔪᖅ ᓇᖅᑐᑦ ᐃᖅᑲᓇᐃᔭᕐ ᓇᒥ ᑎᑎᕋᕐ ᓯᒪᔪᑦ ᑖᒃ ᑯᐊ:

- ᐃᒫᑕᖅᑕᒥᓂᕐ ᓂᒃ ᐊᒡ ᒍᐃᓭᑦ
- ᓄᓇᒋᔭᐅᓂᑦ ᑐᒥ ᐃᑲᔪᖅᑏᑦ ᐃᖅᑲᓇᐃᔭᖅᑏᑦ
- ᓇᓄᕐ ᓂᑦ ᓇᐅᑦ ᑎᓱᖅᑏᑦ
- ᐃᒫᑕᕐ ᓂᕐ ᒥ ᐃᑲᔪᖅᑏᑦ
- ᑰᖅᑯ ᕕᒻ ᒥ ᐃᑲᔪᖅᑏᑦ
- ᓄᓇᒥ ᐃᑲᔪᖅᑏᑦ ᖁᐦᑰᓕᓄᑦ
- ᖃᐅᔨᓴᕐ ᕕᒻ ᒥ ᐃᓱᕐ ᓇᐅᑎᓕᓇᓭᑦ
- ᐃᑲᔪᖅᑎ ᓂᖅᑎᐅᖅᑎᒧᑦ
- ᐃᑲᔪᖅᑏᑦ
- ᖃᐃᙵᐅ ᐋᖅᑭᓯᒪᓂᖕᒥ ᓂᐃᖅᑲᓇᐃᔭᖅᑏᑦ

ᓄᓇᓖᑦ ᒪᑭᒪᓇᓱᐊᕐ ᓂᕐ ᒧᑦ ᐃᑲᔫᓯᐊᖅᑖᕈᑎᖏ ᓇᐃᓈᕐ ᓯᒪᓪ ᓗᑎᒃ ᑎᑎᕋᕐ ᓯᒪᔪᑦ ᐅᐃᒍᖏ ᓂᒥ-ᒥ.

ᐱᔭᕇᕈᑎᒋᓗᒍ

ᓯᕗᓂᑦᑎᓐᓄᑦ ᐸᕐᓇᐅᑏᑦ ᐱᓕᕆᐊᕐᒧᑦ ᑲᒪᒋᔭᐅᕙᓪᓕᐊᔪᑦ ᐊᒻᒪᓗ ᓂᕆᐅᑉᐳᒍᑦ ᐱᓕᕆᑦᑎᐊᒃᓂᓖᕆᐊᓵᑎᓐᓂᒃ ᐃᖅᑲᓇᐃᔭᕐᑲᑎᕐᑲᑦᑎᐊᕐᓗᑕᓗ ᓄᓇᓕᓐᓂᑦ ᕿᑭᖅᑕᓂ, ᑕᑯᔪᒪᑦᑎᐊᖅᑐᑕᓗ ᓄᓇᓖᑦ ᐱᕚᓪᓕᐸᓪᓕᐊᑎᓪᓗᒋᑦ ᓯᓕ AEI–ᑯᑦ ᐱᓕᕆᓂᖕᒋᓐᓂ ᑖᒪᓂ.

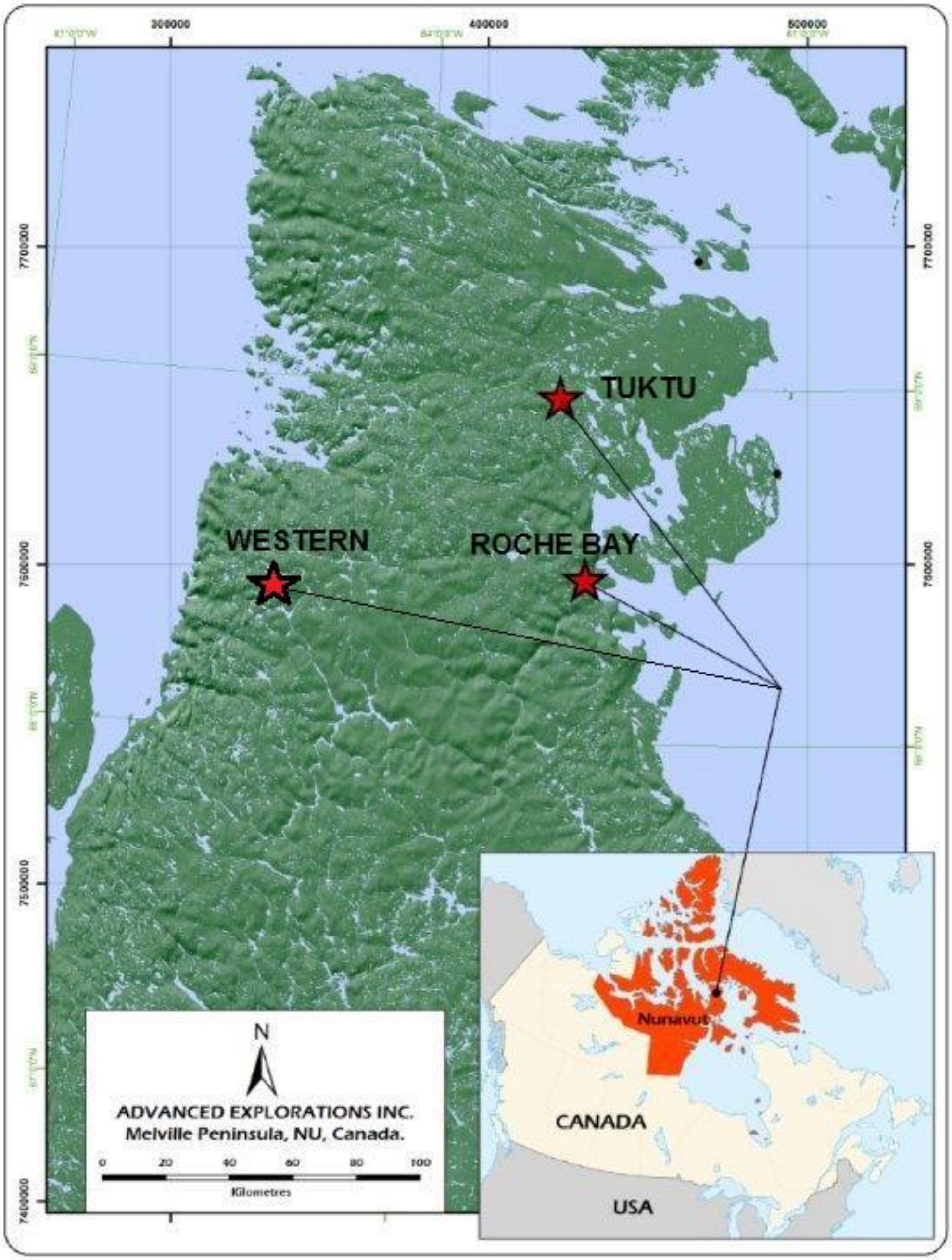
2012ᒥ ᐱᓕᕆᓂᕐ ᒧᑦ ᐸᕐ ᓇᐅᑏᑦ

ᑎᒥᐅᔪᖅ ᓯᓕ ᓄᓇᒥᒃ ᐃᒪᕐ ᒥᓪ ᓗ ᐱᔪᓐ ᓇᐅᑎᖅᑯᕐ ᖅᑲ/ᓚᐃᓴᖅᑯᕐ ᖅᑲ ᐱᓕᕆᓂᕆᓚᐅᖅᑕᖏ ᓂ ᐃᑰᑕᒃ ᑲᓐ ᓂᕈᑎᔅ ᓴᖏ ᓂᒃ, ᓄᓇᒋᔭᐅᕙᑦ ᑐᒥ ᐊᐅᓚᓂᕐᖁᑦ ᑲᓂᕐ ᓂᕐ ᒥᒃ, ᐊᕙᑎᓕᕆᓂᕐ ᒥᒃ ᑐᙵᕕᐅᓂᐊᖅᑐᓂᒃ ᖃᐅᔨᓴᒃ ᑲᓂᕐ ᓂᕐ ᒥ ᐊᒻ ᒪᓗᐊᕙᑎᓕᕆᓂᕐ ᒥᒃ ᐋᖅᑭᔅ ᓱᐃᓂᕐ ᒥᒃ. ᑎᒥᐅᔪᖅ ᓯᓕ ᐊᑐᕈᒪᔪᑦ ᖃᐅᔨᒍᑕᐅᓯᒪᔪᑦ ᐱᓕᕆᓂᕆᓚᐅᖅᑕᖏ ᓂ ᐃᑰᑕᕐ ᓂᕐ ᒥ ᐋᖅᑭᔅ ᓱᐃᑦ ᑎᐊᑲᓐ ᓂᓂᐊᕐ ᖅᑲ ᐱᓇᓱᐊᕈᑎᖏ ᑐᑭᖏ ᓂᒃ. ᐊᕙᑎᓕᕆᓂᕐ ᒥᒃ ᐱᓕᕆᓂᕐ ᒥᒃ ᐊᒻ ᒪᓗ ᓄᓇᙳᐊᓕᕆᓂᕐ ᒥᒃ ᐸᕐ ᓇᓯᒪᒻ ᒥᔪᑦ. ᓄᓇᒋᔭᐅᕙᑦ ᑐᖅ ᒪᑐᐃᒃ ᑲᓐ ᓂᓖᖅᑐᖅ ᐊᒻ ᒪᓗ ᐃᑰᑕᓯᒃ ᑲᓐ ᓂᓖᖅᑐᑦ ᑖᒪᓂ ᐃᖅᑲᓇᐃᔭᕐ ᓇᐅᓂᐊᖅᑐᒥ ᐄᐳᕋᓪ ᒥ ᐅᑐᐱᕆᒧᑦ. ᐃᓄᐃᑦ ᐃᖅᑲᓇᐃᔭᖅᐑᑦ ᐃᖅᑲᓇᐃᔭᓖᖅᑐᑦ ᐊᒻ ᒪᓗ ᑭᓱᑐᐃᓐ ᓇᐃᑦ ᐱᔾᑦ ᑎᕋᐅᐑᓪ ᓗ ᓂᐅᕕᐊᖑᕈᕐ ᑕᕐ ᓗᑎᒃ ᐊᑐᖅᑕᐅᕐᕈᕐ ᑕᕐ ᓗᑎᓪ ᓗ ᓄᓇᓕᓐ ᓂᑦ ᐃᓚᒋᔭᐅᓗᓂ ᐱᓕᕆᓂᕐ ᒧᑦ. ᑕᒪᕐ ᒥᒃ ᐱᓕᕆᓂᐅᔪᑦ ᑖᒪᓂ ᐃᖅᑲᓇᐃᔭᕐ ᓇᒋ ᒪᓕᓐ ᓂᐊᖅᑐᑦ ᑮᓇᐅᔭᖅᖃᑎᑕᐅᓂᖏ ᓂᒃ ᐱᓕᕆᓂᕐ ᒧᑦ.

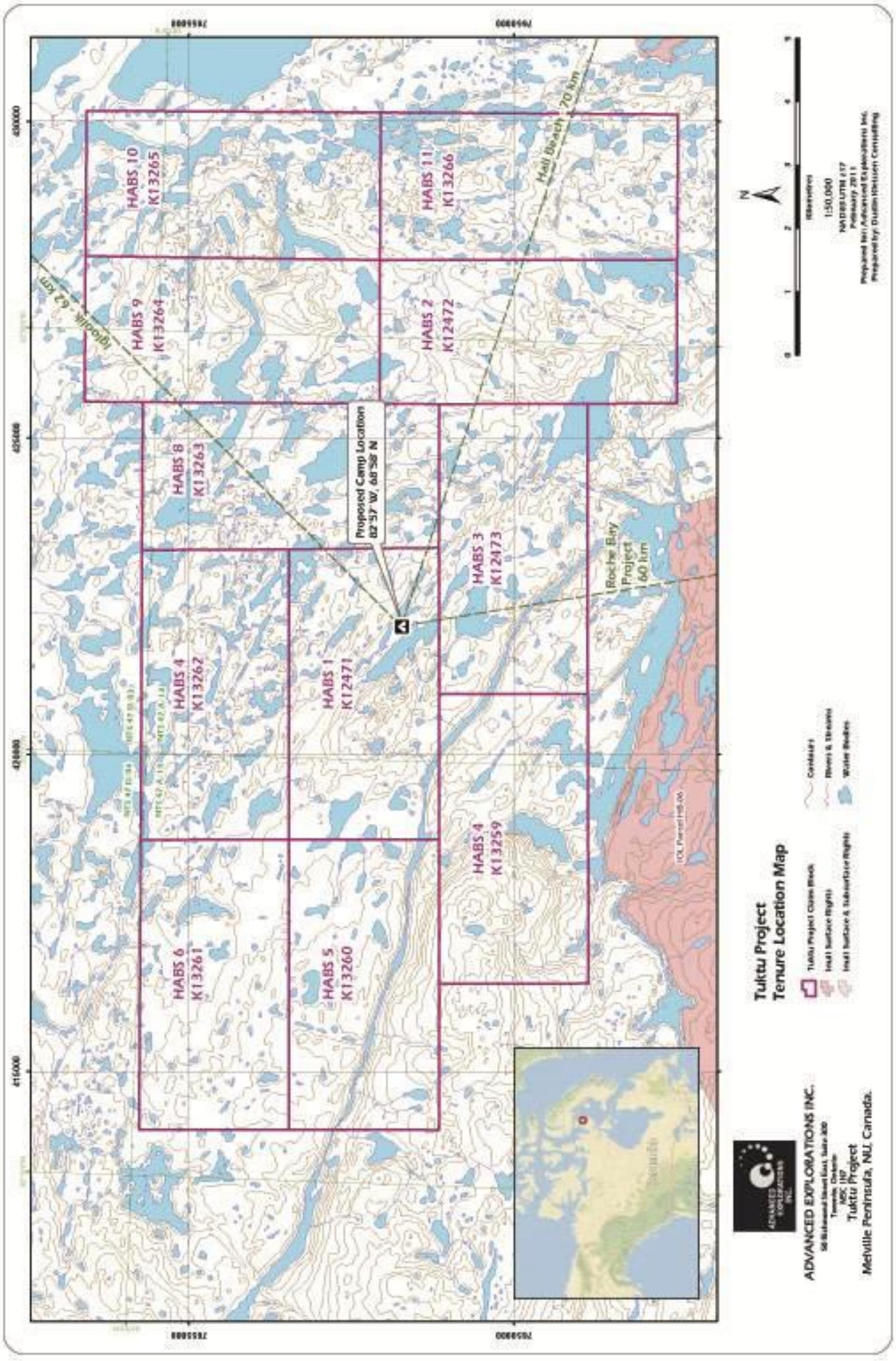
"John Gingerich"	Feb. 2012
ᔫᓐ ᒋᓐᒍᓇᑦ	ᐅᓪ ᓘᖓ
ᐊᐅᓚᑦ ᑎᔾᔨ ᒪᓇᒃ	
Advanced Explorations Inc.	

"Lou Nagy"	Feb. 2012
ᓘᓇᒋ	ᐅᓪ ᓘᖓ
ᐊᖏᖅᑰᖅ ᑮᓇᐅᔭᓕᕆᓂᕐ ᒧᑦ	
Advanced Explorations Inc.	

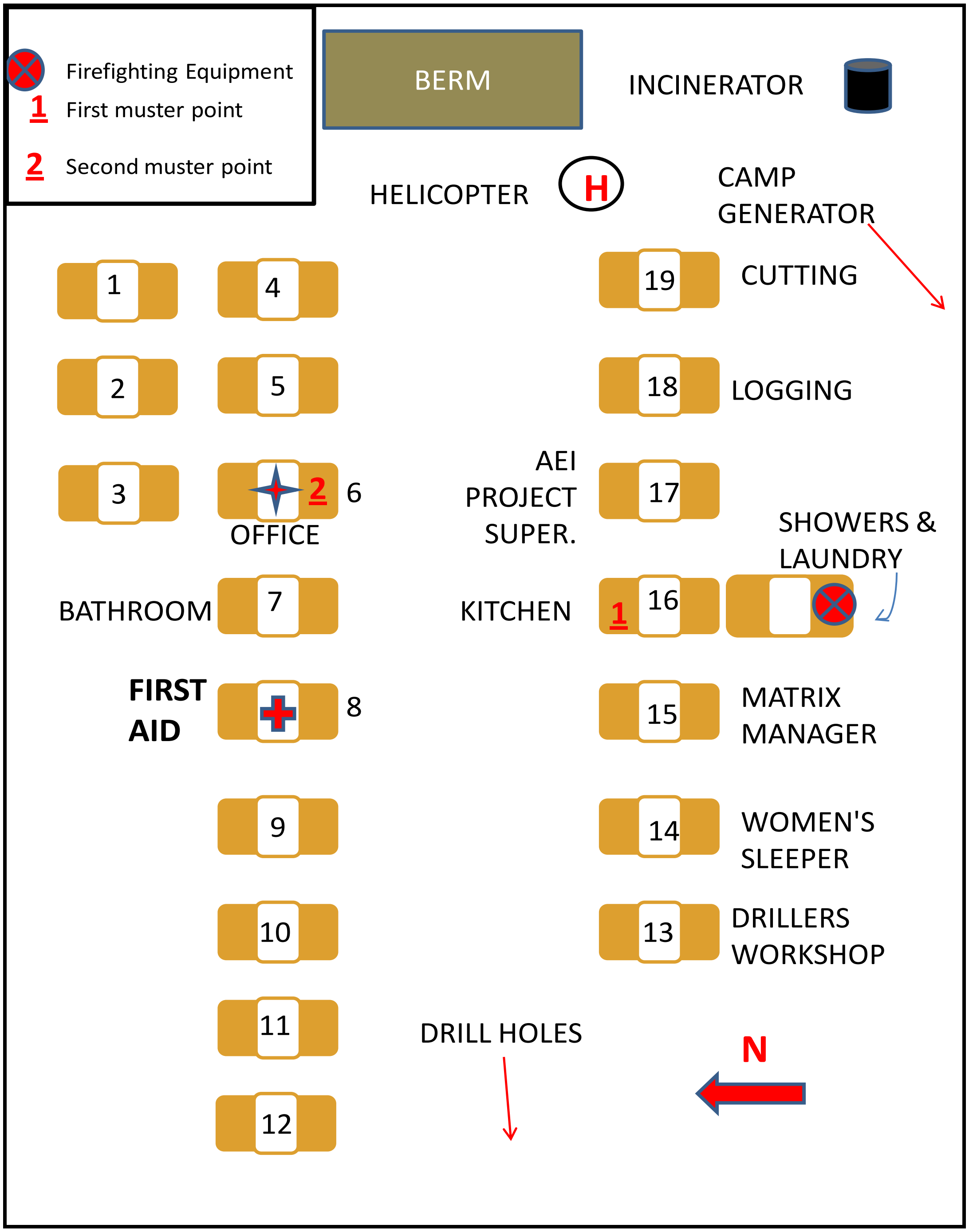
ᐅᐃᒍᖅᒐᐃ: ᓄᓇᙳᐊᑦ
ᓯᑯᑦ ᑎᐊᓃᓐ ᓂᖅᒐ ᓇᓛᓂ ᓄᓇᙳᐊᖅ



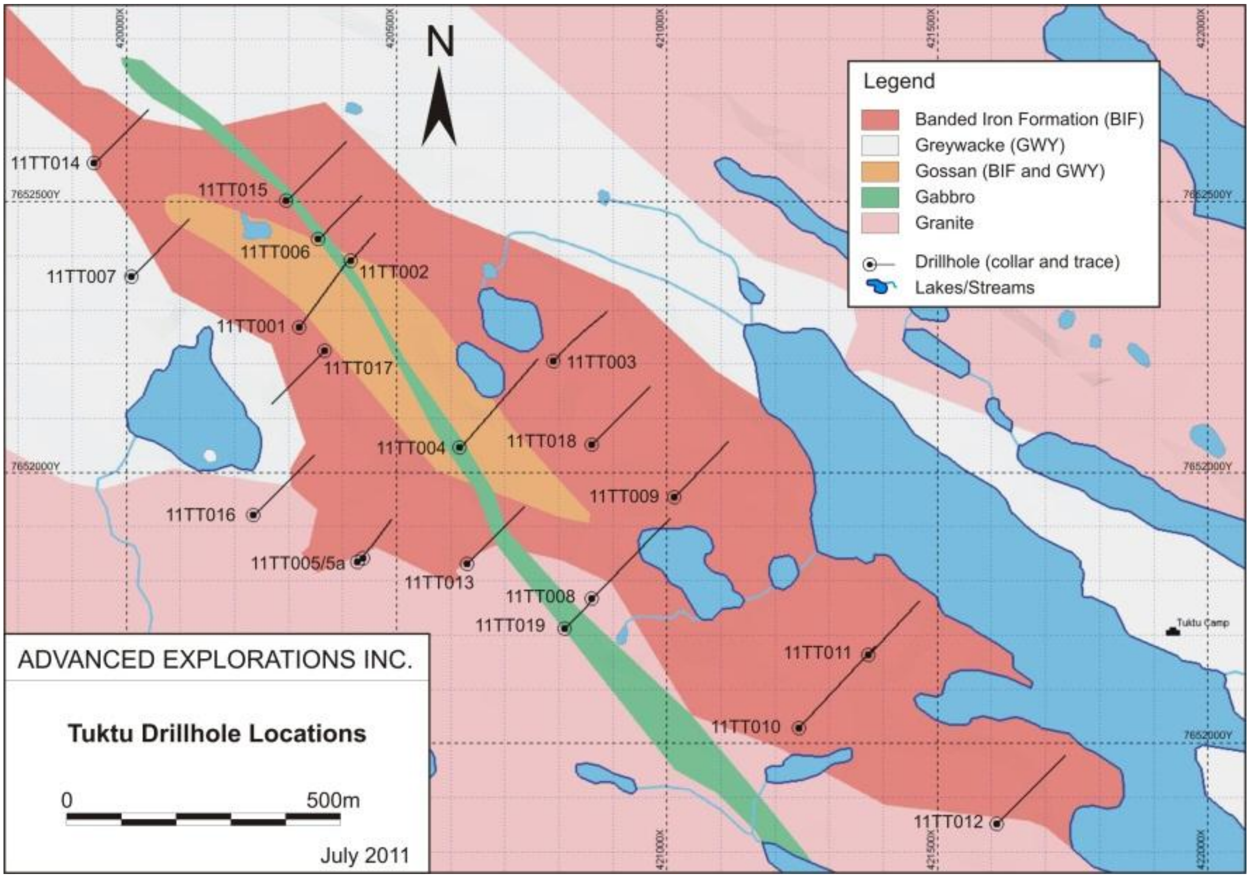
ᐱᓕᕆᕕᖕᒐ ᓇᓛᓂ ᓄᓇᖓᑦ



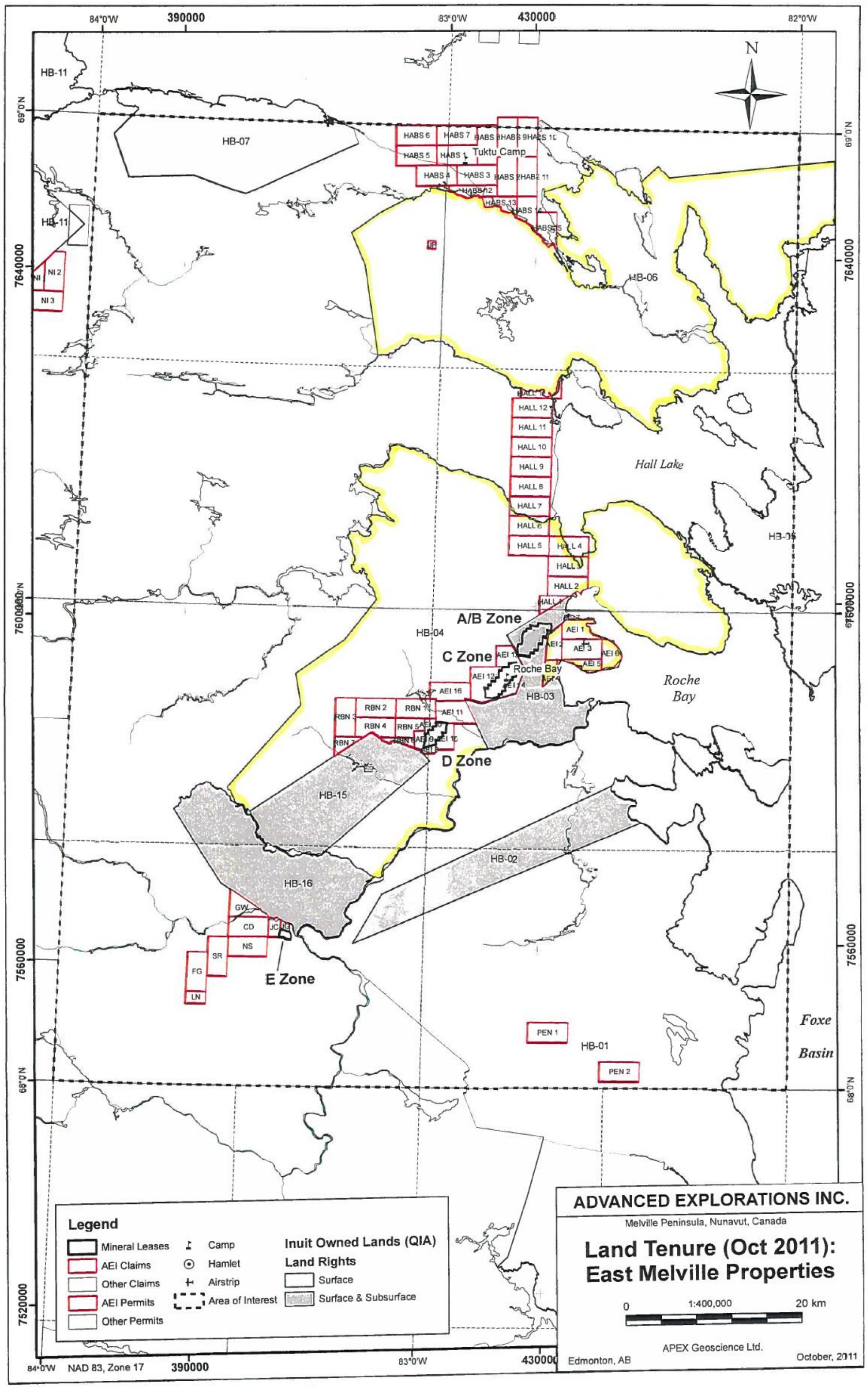
ᓄᓇᒋᔭᐅᕙᑦ ᑑᑉ ᐋᖅᑭᓱᒪᓂᖕᖁᑎᑎᕋᐅᔭᕐ ᓯᒪᑐᐃᓐᓇᖅᑐᖅ



ᐃᑰᑕᕐ ᑲᐅᕙᑦ ᑑᑉ ᓇᓈᓂᓗᓇᖕᖓᖅ – 2011ᒥ ᐱᓕᕆᓐᓂᒥ



ᓄᓇ ᐊᑐᖅᑕᖅᖃ ᓇᓛᓂ ᓄᓇᙳᐊᖅ



ᐅᐃᒍᖅᒐᐱ: ᓈᓴᐃᓃᑦ

ᓱᓇᒃ ᑯᑖᖅᑕ ᓈᓴ ᖅᑕᐅᓯᒪᓂᖏ (ᓯᑎᐱᕆ, 2011ᒥ)

ᑐᒃ ᑐ ᓄᓇᕆᔭᐅᕙᑦ ᑐᒥ

- 20 ᑐᐹᑦ
- 1 ᒪᕐ ᕈᐃᓕᖅᑲᖕᖁᒥ ᓱᓪ ᓗᓕᓕᒃ , ᓱᐻᕐ ᕙᒃ ᐃᑭᑦ ᑎᕙᒃ
- 1 ᐊᐅᓚᐅᑎᖁᕐ ᕙᒃ ᐃᓪ ᓗᕋᓖᖅ ᐊᒻ ᒪᓗ 1 ᓴᓇᓂᕐ ᒨᑦ ᐅᖅᓱᐊᓗᑦ ᑕᖅᑐᖅ ᐊᐅᓚᐅᑎ
- ᓴᓇᕙᒻ ᒥ ᓱᓇᒃ ᑯᑖᑦ
- ᐋᓐ ᓂᔭᐃᒃ ᑯᑏᑦ
- ᑰᖁᕐ ᕙᒻ ᒥ ᓱᓇᒃ ᑯᑖᑦ , 2 ᕐᓃᒃ ᑯᕚᒃ
- ᐋᓐ ᓂᐊᓱ ᐅᕈᑏᑦ ᓱᓇᒃ ᑯᑖᓪ ᓗ
- ᐊᓪ ᓚᕝ ᕙᓱ ᐅᑏᑦ
- 16 ᖁᕝ ᑎᕈᑏᑦ , 12 ᕐᓅᓃᕈᑏᑦ ᐲᔫᖅᑐᖁᓲᑉ ᐸᑦ , 3 CO ᖂᐅᔾᓴᐅᑏᑦ
- 2 ᐃᒎᒃ , 12 ᐅᖅᓱᑕᖅᑑᒃ ᐃᒎᒃ miser toyotomi stoves, 19 laser 73 toyostoves
- 1 ᐊᐳᑕᐃᔭᐃᔾ ᔪᑎ
- ᐃᑰᑕᖅᑕᐅᓱᒪᔪᑦ ᐊᒻ ᒪᓗᐃᑰᑕᖅᑕᐅᓱᒪᔪᓗᓂᑦ ᐃᑦ ᑎᕐ ᕙᐅᔭᐃᑦ
- 1 ᑎᓱᕋᐅᑦ
- 1 ᑯᕙᔾ ᔭᐃᒃ ᑯᑦ ᐃᒪᐃᑦ ᑐᖅᑕᓕᒃ :
    - 1 ᐆᔅ ᓴᒦᑦ ᑐᖅ ᑕᕆᐅᖅ (CaCl) (1 ton ᐆᔅ ᓴᖅ); ᐃᓚᖏ ᑕᑕᐸᓗᑦ ᑐᑦ ᑕᕆᐅᑦ ᐆᔅ ᓴᓂᑦ ᑐᑦ
    - 9 ᖁᕝ ᑕᐅᔭᐃᑦ ᖃᖕᑲᓲᕐ ᓱᐅᑏᑦ B
    - 19 ᖁᕝ ᑕᐅᔭᐃᑦ ᐅᖅᓱᐊᓗᐃᑦ
    - 1 ᖁᕝ ᑕᐅᔭᐃᑦ ᒑᓴᓖᓐ
    - ᑎᓴᒪᑦ 100 lb ᐳᓪ ᓚᖅᑖᓃᑦ

Camp Water Use & Source

Camp Water Source	Location	
	Latitude	Longitude
Tuktu Camp	68°57'44.06"N	82°57'1.69"W
Camp Water Use	Amount of Water (m³)	
Total Water Used	288.40*	
Total Water Permitted	1,335.00*	
Difference	1,046.60*	
Average Water Used/Day	1.52*	

*Note: Values are for camp water used from when the camp opened until August 20, 2011. The final two weeks before camp closure records were lost due to technical problems. However, these numbers are presumed to have been declining as the camp was slowly decreasing in size at this time.

Drill Water Use & Sources

Drill Water Sources	Location	
	Latitude	Longitude
11TT001, 11TT002	68°58'4.77"N	82°59'42.20"W
11TT003, 11TT004	68°58'10.63"N	82°58'45.19"W
11TT005, 11TT005a, 11TT006, 11TT007	68°58'4.77"N	82°59'42.20"W
11TT008, 11TT009	68°57'57.85"N	82°58'22.48"W
11TT010	68°57'45.50"N	82°57'58.36"W
11TT011	68°57'49.50"N	82°57'34.27"W
11TT012	68°57'41.29"N	82°57'10.80"W
11TT013	68°57'57.85"N	82°58'22.48"W
11TT014	68°58'15.78"N	83° 0'52.02"W
11TT015, 11TT016, 11TT017	68°58'4.77"N	82°59'42.20"W
11TT018	68°58'9.12"N	82°58'45.05"W
11TT019	68°57'57.56"N	82°58'23.81"W
Drill Water Use	Amount of Water (m³)	
Total Water Used	3,464.79	
Total Water Permitted	47,056.00	
Difference	43,591.21	
Average Water Used/Day	19.69*	

*Note: Initially one drill was in operation and the average water used/day was for both the day and night drilling shifts. Starting June 6, 2011, two drills were in operations until completion and the average water used/day was for both drills and both their day and night shifts (four shifts total).

Waste

Waste	Location	
	Latitude	Longitude
Greywater	68°57'54.6"N	82°56'56.6"W
Drill and Core Cuttings	68°57'54.3"N	82°56'53.4"W

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LOCATION: 69°8'44.920"N, 82°27'29.392"W (NE corner); 69°8'24.629"N, 83°27'53.179"W (NW corner); 68°46'58.562"N, 83°26'13.705"W (SW corner); 68°47'18.437"N, 82°26'48.326"W (SE corner)		
Common Name	**Latin Name**	**Number of observations**
	Birds	
Red-throated Loon	*Gavia stellata*	9
Pacific Loon	*Gavia pacifica*	4
Loon sp.		1
Tundra Swan	*Cygnus columbianus*	1
Greater White-fronted Goose	*Anser albifrons*	1
Snow Goose	*Chen caerulescens*	139
Brant Goose	*Branta bernicla*	2
Canada Goose	*Branta hutchinsii*	18
Common Eider	*Somateria mollissima*	3
King Eider	*Somateria spectabilis*	5
Long-tailed Duck	*Clangula hyemalis*	9
Duck sp.		2
Rough-legged Hawk	*Buteo lagopus*	12
Peregrine Falcon	*Falco peregrinus anatum*	8
Gyrfalcon	*Falco rusticolus*	7
Willow Ptarmigan	*Lagopus lagopus*	2
Rock Ptarmigan	*Lagopus mutus*	3
Ptarmigan sp.		11
Sandhill Crane	*Grus canadensis*	2
American Golden-Plover	*Pluvialis dominica*	7
Semipalmated Plover	*Charadrius semipalmatus*	1
Semipalmated Sandpiper	*Calidris pusilla*	19
Baird's Sandpiper	*Calidris bairdii*	4
Pectoral Sandpiper	*Calidris melanotos*	1
Sandpiper sp.		1
Long-tailed Jaeger	*Stercorarius longicaudus*	1
Jaeger sp.		1
Herring Gull	*Larus argentatus*	1
Glaucous Gull	*Larus hyperboreus*	27
Gull sp.		9
Arctic Tern	*Sterna paradisaea*	1
Snowy Owl	*Nyctea scandiaca*	4
Horned Lark	*Eremophila alpestris*	49
Common Raven	*Corvus corax*	17
American Pipit	*Anthus spinoletta*	3
Lapland Longspur	*Calcarius lapponicus*	24
Snow Bunting	*Plectrophenax nivalis*	44
	Totals	**453**
	Mammals	
Arctic Hare	*Lepus arcticus*	9
Arctic Ground Squirrel	*Spermophilus parryii*	19
Lemming	*Dicrostonyx sp.or Lemmus sp.*	16
Arctic Fox	*Alopex lagopus*	29
Polar Bear	*Ursus maritimus*	1
Ermine	*Mustela erminea*	9
Barren-ground Caribou	*Rangifer tarandus*	2
	Totals	**85**
	Fish	
Fish sp.		3
	Totals	**3**

*'Canada Geese' in this case includes the Richardson's (or Hutchins's) Cackling Goose *(B. h. hutchinsii)*, and the Lesser Canada Goose *(B. c. parvipes)*

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Date (Month)	Location	Total Hours	Estimated Take-offs & Landings	Reasons
April	Tuktu, Roche Bay, Hall Beach, Tuktu Drill Sites	72.6	100*	Tuktu camp move & setup, Drill moves & setup
May	Tuktu, Roche Bay, Hall Beach, Tuktu Drill Sites	105.7	200*	Drill moves & setup, crew changes, camp supplies & groceries, Geological Surveys
June	Tuktu, Roche Bay, Hall Beach, Tuktu Drill Sites, Roche Bay Geotech ice bore hole sites	184.6	400*	Drill moves & setup, crew changes, camp supplies & groceries, Caribou Surveys, Raptor Surveys, Breeding Bird Surveys, Geotech ice bore hole sites, Marine Bird & Mammal Surveys
July	Tuktu, Roche Bay, Hall Beach, Tuktu Drill Sites, Western Permits	312.5	600*	Drill moves & setup, crew changes, camp supplies & groceries, Breeding Bird Surveys, Archaeology Surveys, Geological Surveys, Water Quality Surveys
August	Tuktu, Roche Bay, Hall Beach, Tuktu Drill Sites, Roche Bay Drill Sites, Western Permits	288.6	600*	Drill moves & setup, crew changes, camp supplies & groceries, Geological Surveys, Fisheries Surveys, Water Quality Surveys, Caribou Surveys, Marine Bird & Mammal Surveys, Hydrology Surveys
September	Tuktu, Roche Bay, Hall Beach, Roche Bay bore hole sites, Western Permits	177.8	300*	Drill moves & setup, crew changes, camp closure, Geological Surveys

*Note: All numbers of take-offs and landings are estimates only based on the helicopter flight tickets.

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Advanced Explorations Inc. (AEI) is planning the development of the Tuktu magnetite project, a satellite program to the AEI flagship Roche Bay Project. The Tuktu project is located at 68°57'56.81" north latitude and 82°56'58.78” west longitude, approximately 70 km northwest of Hall Beach on the Melville Peninsula, and within 45 km of the ocean.

In 2011 EBA Engineering Consultants Ltd. (EBA) expanded its work for AEI by taking on the Tuktu project in addition to their work on the near-by Roche Bay project. The 2011 program included baseline studies of the water quality at the Tuktu Magnetite Project.

In 2011, two sampling events took place to begin the baseline surveys of Tuktu; one on July 31st, another on August 28th. A total of six water quality sampling stations were involved in the 2011 program. Samples were submitted to SGS Environmental Services, a laboratory accredited by the Canadian Association for Environmental Analytical Laboratories (CAEAL).

In general, the water quality of the Tuktu environment is pristine. The physical and chemical water quality parameters of the waters in this region are typical of Canadian arctic freshwater systems, characterized as having a pH slightly above neutral with low electrical conductivity. Nutrient parameters such as nitrate and phosphorus were either below the detection limits or very low. Levels of ammonia were elevated above the CCME Guidelines for the Protection of Freshwater Aquatic Life (FAL) across a number of water stations during both sampling events, and can be attributed to a number of natural causes (based on similar patterns observed within the Roche Bay Magnetite Project area) such as ammonification (the gradual accumulation of ammonia from decomposition) and low water levels. Fluoride was marginally elevated on isolated occasions during the July and August sampling events. Levels of total iron were also slightly elevated above CCME in July at two water quality sites. Both fluoride and iron elevations can be attributed to a combination of local geology and potential contaminants introduced through laboratory or sampling error.

Additional sampling in future seasons will allow for more in-depth analysis of the natural state of water quality in the Tuktu region.

For more information regarding the initial sampling at the Tuktu Magnetite project; the 2011 Tuktu Water Quality Report is available upon request.

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Item	Expenditure	Comments
Food	$ 164,711.13	
Travel & Accommodations	$ 493,343.65	Travel expenses include all travel for the season, regardless of the community.
Hall Beach Housing	$ 31,775.61	
Fuel	$ 107,062.35	
Local Consultants, Associations, Community Meetings, Donations	$ 19,804.73	
Nunavut Permitting	$ 8,170.69	
Local Wages	$ 347,025.00	Wages include approximately 30 local employees from Hall Beach and Igloolik.
Camp Supplies	$ 2,846.83	
Total	$ 1,174,739.90	