1

ᐊᕐᕌᒍᑕᒫᒧᑦ ᖃᐅᔨᓴᕈᓐᓇᕐᓂᕐᒧᑦ ᐅᓂᒃᑳᓕᐊᖅ ᐳᕋᐅᓐᒥᑦ, ᑐᕌᓐᑑᑉ ᓯᓚᑦᑐᖅᓴᕐᕕᒡᔪᐊᖓ, “ᑕᓯᕐᓂ ᓯᑯ ᑲᓇᑕᒥ ᖁᑦᑎᒃᑐᒥ”

ᐅᑯᓄᖓ:

ᑲᓇᑕᒥ ᐆᒪᔪᓕᕆᓂᕐᒧᑦ ᐱᔨᑦᑎᕋᖅᑏᑦ ᐊᒻᒪᓗ ᓱᓗᒃᕙᐃᒻᒧᑦ ᐊᐅᓚᑦᑎᖃᑎᒌᖕᓂᕐᒧᑦ ᑲᑎᒪᔨᕋᓛᑦ ᐊᕐᕌᒍᕋᓴᖕᓄᑦ ᐱᔪᓐᓇᐅᑎ NUN-NWA-16-03;
ᓄᓇᕗᒻᒥ ᖃᐅᔨᓴᖅᑐᓕᕆᔨᒃᑯᑦ ᐱᔪᓐᓇᐅᑎ 02 014 17R-M (ᓄᑖᕈᕆᐊᖅᑎᑕᐅᔪᒃᓴᖅ ᐅᐱᕐᖔᖓᓂ 2017)

ᐱᓕᕆᐊᒃᓴᐅᑉ ᖃᓄᐃᓕᖓᓂᖓ:

ᑕᓯᕐᒥ ᓯᑯ ᐱᒻᒪᕆᐅᓪᓗᓂ ᐃᓚᒋᔭᐅᕗᖅ ᓄᓇᕐᔪᐊᑉ ᓯᑯᖓᓄᑦ ᓇᓚᐅᑦᑖᖅᑕᐅᓵᖅᓯᒪᔪᓪᓗ ᓇᓗᓇᐃᖅᓯᕗᑦ ᐅᑭᐅᖅᑕᖅᑐᓗᒃᑖᕐᒥ ᓯᑯᑕᖃᙱᓐᓂᖅᓴᐅᓛᖅᑐᖅ ᐃᓱᓕᓚᐅᖅᑎᓐᓇᒍ ᐊᕐᕋᒍᑦ ᕼᐊᓐᓇᓚᖏᓐᓃᑦᑐᑦ ᓯᑯᑕᖃᕐᓂᐅᕙᒃᑐᒥ (ᐊᑯᓐᓂᖅᓱᖅᑐᒥᒃ 20ᓂᑦ >100ᓄᑦ

ᐅᓪᓗᐃᑦ) ᐃᔾᔪᑎᒋᓂᖓᓗ (ᐊᑯᓐᓂᖅᓱᖅᑐᒥᒃ 30 ᓴᓐᑎᒦᑕᓂ ᐃᔾᔪᓂᖅᓴᐅᕌᕐᔪᒥᒃᖢᓂ 1 ᒦᑕᒥᑦ). ᐊᒥᓲᓂᖅᓴᐃᑦ ᓄᓇᒥ ᑐᙵᕕᖃᖅᑐᑦ ᓯᑯᒥᒃ ᓇᐅᑦᑎᖅᓱᕐᓂᐅᓚᐅᖅᑐᑦ ᓄᖅᑲᓚᐅᕐᓂᖏᓐᓄᑦ ᐱᒋᐊᓕᓚᐅᖅᑎᓐᓇᒋᑦ 1990, ᐊᓯᔾᔨᓵᕐᓂᑯᑦ ᓯᑰᑉ ᖃᓄᐃᖃᑦᑕᕐᓂᖏᓐᓂ ᓇᓗᓇᐅᖅᑕᒐᔪᖕᓂᖅᓴᐅᕗᑦ ᖃᓄᐃᓕᖓᓇᔭᙳᐊᕐᓂᒃᑯᑦ ᐊᒻᒪᓗ ᐅᖓᓯᒃᑐᒥᑦ ᖃᐅᔨᓴᕐᓂᒃᑯᑦ. ᓇᐅᑦᑎᖅᓱᕐᓂᒃᑯᑦ

ᖃᐅᔨᒃᑲᐅᔾᔪᑏᑦ, ᐱᑕᖃᕆᐊᖃᓪᓚᕆᒃᖢᑎᒃ ᓱᓕᔪᖅᓯᐊᕆᔭᐅᓂᖏᓐᓄᑦ ᑕᒪᒃᑭᒃ ᐅᖓᓯᒃᑐᒥᑦ ᖃᐅᔨᓴᖅᑕᐅᔪᑦ ᖃᓄᐃᓕᖓᓇᔭᙳᐊᕐᓂᒃᑯᓪᓗ ᖃᐅᔨᓴᖅᑕᐅᔪᑦ, ᒫᓐᓇᐅᔪᖅ ᓈᒻᒪᙱᓗᐊᖅᑐᑦ ᐃᓚᖏᓐᓂᒃ ᓴᖅᑭᑦᑐᖃᓚᐅᕋᓗᐊᖅᖢᓂ ᐊᑭᓕᖅᓱᖅᑕᐅᓇᑎᒃ ᓇᐅᑦᑎᖅᓱᖅᐸᒃᑐᑦ ᑕᐃᒪᙵᓂᑦ ᑲᓇᑕᐅᑉ ᓇᐅᑦᑎᖅᓱᖅᐸᒃᑐᑦ ᐊᒥᓲᙱᓐᓂᖅᓴᐅᓕᓚᐅᕐᓂᖏᓐᓂᑦᕝ ᐊᑐᖅᑕᐅᓯᒪᓪᓗᑎᒡᓗ ᓯᑯᒥᒃ ᖃᐅᔨᓴᕐᓂᕐᒧᑦ. ᐊᓯᔾᔨᖅᑐᑦ ᓇᓗᓇᐃᖅᑕᐅᑎᓪᓗᒋᑦ ᓯᑰᑉ ᖃᓄᐃᖃᑦᑕᓂᖏᓐᓂ, ᑐᑭᓯᑦᑎᐊᕆᐊᖃᖅᑐᒍᑦ ᐊᒃᑎᐊᔭᐅᔪᓂᒃ ᖃᓄᐃᓕᖓᓕᕐᓂᖏᓐᓂᒡᓗ ᐱᔾᔪᑎᒋᓪᓗᒍ ᐃᒪᖅ ᐊᒻᒪᓗ ᐊᐅᓚᔾᔭᐅᑦ ᐊᑐᖅᑕᐅᕙᓪᓕᐊᔪᑦ ᐊᒃᑐᐊᓂᖏᓪᓗ ᐊᓯᖏᓐᓄᑦ

ᖃᐅᔨᓴᖅᑕᐅᕙᒃᑐᓄᑦ (ᓲᕐᓗ ᑕᓰᑦ ᐆᒪᓂᖃᖅᑎᒋᓂᖏᑦ, ᐃᓚᐅᕈᑎᖃᖅᑎᒋᓂᖏᑦ, ᐋᖅᑭᒃᓯᒪᓂᖏᓪᓗ ᖃᐅᔨᓴᖅᑕᐅᓂᖏᑦ, ᐃᖏᕐᕋᔪᓕᕆᓂᖅ). ᑖᓐᓇ ᑎᑭᐅᑎᔭᐅᓂᐊᕐᒪᑦ, ᑕᐃᑲᙵᑦ ᖃᐅᔨᒃᑲᐃᔾᔪᑏᑦ ᑕᓯᕐᒥᑦ ᓯᑯᒥᑦ ᑲᓇᑕᒥ ᑲᑎᖅᓱᖅᑕᐅᕙᓪᓕᐊᔪᑦ ᓄᓇᕐᔪᐊᕐ ᓴᓂᒧᑦ ᓇᓗᓇᐃᒃᑯᑕᖏᑎᒍᑦ (ᐅᖅᑰᔪᒥᑦ, ᐅᑭᐅᖅᑕᖅᑑᑉ ᐊᑖᓂ, ᐅᑭᐅᖅᑕᖅᑐᕐᒥ). ᓄᓇᒥᑦ ᖃᐅᔨᒃᑲᐃᔾᔪᑏᑦ ᐊᑐᖅᑕᐅᓛᖅᑐᑦ ᐱᐅᓯᕚᓪᓕᖅᑎᑕᐅᓂᖏᓐᓄᑦ ᐊᒃᑐᐊᔭᐅᔪᑦ ᐊᐱᓯᒪᓂᖏᓐᓄᑦ ᖃᓄᐃᓕᖓᓇᔭᙳᐊᕐᓂᒃᑯᑦ ᓯᑰᑉ ᐃᔾᔪᑎᒋᓂᖓᓄᑦ, ᐊᒻᒪᓗ ᐊᕕᒃᑎᑕᐅᓂᖓᓄᑦ ᖃᓄᖅ ᐊᑯᓂᐅᑎᒋᓂᖓᑕ ᖃᓄᐃᓕᖓᓇᔭᙳᐊᕐᓂᒃᑯᑦ ᓯᑰᑉ ᓱᕋᒃᐸᓪᓕᐊᓂᖓ ᐊᒃᑐᐊᔭᐅᓲᖑᖕᒪᖔᑦ ᑕᓯᐅᑉ ᐋᖅᑭᒃᓯᒪᓂᖓᓄᑦ/ᐊᖏᑎᒋᓂᖓᓄᑦ. ᖃᐅᓱᐃᑦᑐᕐᓗ ᑐᒃᑐᓕᐊᕐᕕᐅᑉ ᓇᖅᓴᙵᓗ ᐃᓂᖃᑦᑎᐊᕐᕕᒃᓴᐅᕘᒃ ᖁᑦᑎᒃᑐᒥ ᑕᒪᑐᒧᖓ ᖃᐅᔨᓴᕐᓂᐅᔪᒧᑦ ᖃᐅᔨᒃᑲᐃᔾᔪᑏᓪᓗ ᑲᑎᖅᓱᖅᑕᐅᕙᓪᓕᐊᕗᑦ.

ᓇᐃᒡᓕᑎᒋᐊᖅᑎᑕᐅᓯᒪᔪᖅ 2017ᒥ ᐅᑭᐅᖅᑕᖅᑐᕐᒥ ᓄᓇᒥ ᐱᓕᕆᐊᖑᓚᐅᖅᑐᓄᑦ, ᔪᓚᐃ 23 – ᐋᒐᓯ 4:

ᐊᕐᕌᒎᔪᒥ, ᓄᓇᒥ ᓴᓇᓚᐅᖅᑐᑎᒍᑦ 4ᖑᓚᐅᖅᑐᒍᑦ: ᐅᕙᖓ, ᓯᐊᕋ ᐊᕆᐊᓄ (ᕿᑎᐊᓃᑦᑐᒥᒃ ᐃᓕᓐᓂᐊᖅᑐᖅ – ᐱᐊᓂᒃᓯᒪᓕᖅᑐᖅ), ᐊᓚᒃᓯᔅ ᕌᐱᓐᓴᓐ (ᖁᑦᑎᖕᓂᖅᐹᒥᒃ ᐃᓕᓐᓂᐊᖅᑐᖅ, ᐊᕐᕌᒍᐊ 2) ᐊᒻᒪᓗ ᐊᓕᓯᐊ ᑖᒋᓂᔅ (ᐊᓪᓕᖅᐹᖓᓃᑦᑐᒥᒃ ᐃᓕᓐᓂᐊᖅᑐᖅ, ᐊᕐᕋᒍᐊ 5). ᐅᕙᒎᓪᓗᑕ 10ᓂᒃ ᐅᓪᓗᕐᓂᒃ ᓴᓇᓚᐅᖅᑐᒍᑦ PCSPᒥ ᖃᐅᓱᐃᑦᑐᕐᒥ, ᒪᕐᕈᐃᖅᓱᖅᖢᑕ ᑐᒃᑐᓕᐊᕐᕕᐅᑉ ᓇᖅᓴᙵᓄᓕᐊᑲᐅᖅᑐᓚᐅᖅᖢᑕ, ᑐᒃᑐᓯᐅᕐᕕᖕᒥᒥ (ᖃᓂᒋᔮᓂ 3ᓂᒃ ᐃᑲᕐᕋᓂᒃ ᓄᓇᒦᖦᖢᑕ ᑲᑎᖦᖢᒋᒃ ᒪᕐᕈᐃᖅᓱᕐᓂᕆᓚᐅᖅᑕᕗᑦ). ᒪᕐᕉᒃ ᐅᑲᓖᒃ ᑕᑯᔭᐅᓚᐅᖅᑑᒃ ᑲᓇᑕᒥ ᐆᒪᔪᕐᓂᒃ ᓴᐳᒻᒥᕕᖕᒦᑎᓪᓗᑕ, ᑭᓯᐊᓂ ᒪᕐᕉᒃ ᑐᒃᑑᒃ, ᐊᒥᓱᑦ (~20) ᐅᒥᖕᒪᑦ, ᐱᖓᓱᓪᓗ ᐊᐃᕖᑦ ᑕᑯᔭᐅᓚᐅᖅᑐᑦ ᓂᒋᖅᐸᓯᒃᑲᓐᓂᐊᓂ ᒪᕐᕈᓕᕿᐅᓪᓗ ᖁᓛᒎᖅᑎᓪᓗᑕ ᖃᖓᑕᔭᕌᖓᑦᑕ.

ᖁᓕᒥᒎᓕᒃ ᒥᑎᓚᐅᖅᑕᕗᑦ ᐃᒡᓗᕋᓛᑉ ᓴᓂᐊᓂ ᓴᓇᔭᖅᑐᖅᖢᑎᒍᑦ ᐱᑕᖃᖅᐸᒌᖅᑐᖅ ᓯᓚᓐᓂᐊᕐᕕᒃ ᐊᐅᓪᓚᕐᓂᕐᒥ #1, ᒥᖦᖢᑕᓗ ᐅᐊᖕᓇᖔᖓᓂ ᓵᖓᓪᓗᑕ ᐊᖑᓇᓱᒡᕕᐅᕙᒃᑑᑉ ᑕᓯᐊᓄᑦ (75.73N, -98.42W) ᐱᔨᑦᑎᕆᐊᖅᑐᖅᖢᑎᒍᑦ ᐱᑕᖃᖅᐸᒌᖅᑐᖅ ᓯᒪᒦᑦᑐᖅᓯᐅᑎ ᐊᔾᔨᓕᐅᕈᑎ ᐊᐅᓪᓚᕐᓂᕐᒥ #2 (ᑕᑯᔭᒐᖅ 1). ᐊᔾᔨᓕᐅᕈᑎᐅᑉ ᐋᖅᑭᒃᓯᒪᓂᖓ ᖃᐅᒋᐊᖅᑕᐅᑦᑎᐊᓚᐅᖅᑐᖅ ᑲᓇᑕᒥ ᐆᒪᔪᓕᕆᓂᕐᒧᑦ ᐱᔨᑦᑎᕋᖅᑎᓄᑦ ᖃᐅᔨᓴᖅᑎᐅᔪᓄᑦ ᐃᒡᓗᕋᓛᕐᒥ ᐃᖅᑲᓇᐃᔭᒃᑲᓐᓂᓚᐅᖅᑐᓄᑦ ᐊᐅᔭᖅ, ᑐᓴᖅᑎᖦᖢᓂᑎᒍᑦ ᐃᑭᑦᑕᖅᑐᐊᑕ ᐅᐊᐃᔭᖓ ᓱᕋᒃᓯᒪᓂᖓᓂᒃ, ᐋᖅᑭᒍᓐᓇᓕᓚᐅᖅᖢᑎᒍᓪᓗ. ᐊᔾᔨᓕᐅᕈᑎ ᓱᕌᕐᔪᓚᐅᖅᑐᖅ ᐅᑭᐅᖑᑎᓪᓗᒍ, ᑭᓯᐊᓂ ᐃᓇᖏᖅᑕᐅᑦᑎᐊᓚᐅᖅᑐᖅ ᐋᖅᑭᒃᑕᐅᓚᐅᓂᖏᒡᓗ ᐃᑭᑦᑕᖅᑐᐊᑕ ᐅᐊᐃᔭᖏᑦ ᑐᖑᔪᖅᑐᒧᑦ ᐊᐅᒃᑕᖅᑐᕐᒧᑦ ᖄᖏᖅᓱᖅᑕᐅᓪᓗᑎᒃ (ᐊᕐᕌᒍ ᓄᑖᕐᒥᒃ ᖄᖏᖅᓱᖅᑕᐅᓛᖅᖢᑎᒃ, ᐅᔾᔨᕐᓇᓗᐊᓛᙱᒻᒪᑦ ᓄᓇᒥ). ᐊᔾᔨᓕᐅᕈᑎ ᑕᐃᑲᓃᖏᓐᓇᖅᑎᓐᓇᓱᒍᒪᔭᕋ ᐊᑯᓂᐅᔪᒧᑦ ᑮᓇᐅᔭᖃᖅᑎᑕᐅᕙᒃᑎᓪᓗᒍ ᐋᖅᑭᒃᓯᔪᓐᓇᓛᕋᒪ ᖃᐅᔨᒃᑲᐃᔾᔪᑎᓂᒃ ᐊᑯᓂᐅᔪᒥ ᑕᓯᕐᒥ ᓯᑰᑉ ᖄᖓ ᖃᓄᐃᓕᖓᕙᖕᓂᕆᓯᒪᔭᖏᓐᓄᑦ. ᓯᕗᒧᒃᐸᓪᓕᐊᓪᓗᑕ, ᖁᕕᐊᓱᒃᑲᔭᖅᑐᖓ ᑐᓵᔭᕆᐊᒃᓴᖅ ᑭᓇᑐᐃᓐᓇᕐᒥᒃ ᑕᓯᕐᒥᒃ ᖃᐅᔨᒪᔭᖃᖅᑐᒥᒃ, ᐅᕝᕙᓘᓐᓃᑦ ᑕᐅᕗᙵᐅᑐᐃᓐᓇᕆᐊᖃᓛᖅᑐᒥᒃ ᐅᐱᕐᖔᖑᓕᖅᐸᑦ, ᐊᒻᒪᓗ/ᐅᕝᕙᓘᓐᓃᑦ ᑕᑯᖃᑦᑕᕐᓂᑰᔪᒥᒃ ᖃᖓᐅᓂᑰᔭᕆᐊᒃᓴᖅ ᓯᑯᔪᕕᓂᖅ/ᐊᐅᒃᑐᕕᓂᖅ ᐊᕐᕌᒎᓚᖅᑐᓂ. ᐊᑐᒃᑲᓐᓃᓐᓇᕈᒪᔭᕋ ᐊᖑᓇᓱᒡᕕᐅᕙᒃᑑᑉ ᑕᓯᐊ ᑕᒃᐱᑯᖓ ᑕᓯᕐᓂᑦ ᐆᒃᑑᑎᒌᓐᓇᕈᒪᓪᓗᒍ ᐱᔾᔪᑎᒋᓪᓗᒍ ᖃᓄᐃᓕᖓᓇᔭᙳᐊᕐᓂᖏᑦ, ᐱᑕᖃᖅᐸᒌᕐᒪᑦ ᓯᓚᐅᑉ ᖃᓄᐃᓐᓂᖓᓄᑦ ᖃᐅᔨᒃᑲᐃᔾᔪᑎᓂᒃ ᐊᒻᒪᓗ ᐊᐱᓯᒪᑎᒋᓂᖓᓄᑦ ᖃᐅᔨᒃᑲᐃᔾᔪᑎᓂᒃ.

2

ᑕᑯᔭᒐᖅ 1. ᓯᓚᒥᐅᑕᖅ ᐊᔾᔨᓕᐅᕈᑦ ᐊᒻᒪ ᓯᕿᓂᕐᒥᑦ ᐆᒻᒪᖅᑯᑎᓕᐅᕈᑦ ᐃᓕᔭᐅᓯᒪᔫᒃ ᑐᒃᑐᓕᐊᕐᕕᐅᑉ ᓇᖅᓴᙵᓂ, ᐆᒃᑑᑕᐅᓪᓗᓂ ᐊᔾᔨᓕᐅᖅᑕᐅᓯᒪᔪᖅ ᓴᖅᑭᔮᖅᑎᑦᑎᓪᓗᓂ ᑕᓯᕐᒥ ᓯᑯᒥᒃ ᐊᖑᓇᓱᒡᕕᐅᕙᒃᑑᑉ ᑕᓯᐊᓂ.

ᓯᓚᒥᐅᑕᖅ ᐊᔾᔨᓕᐅᕈᑦ ᐃᓕᔭᐅᓂᑯ ᖃᐅᓱᐃᑦᑑᑉ ᖃᓂᒋᔮᓄᑦ 3ᒪᐃᔪᓪ / ᑕᓯᕋᓛᑉ ᖃᑦᑕᐅᔭᐅᑉ ᑕᐅᕙᓃᕌᓂᒃᑑᑉ ᐅᖓᑖᓄᐊᖅᑕᐅᓪᓗ ᑕᐅᓯᐅᑉ ᐅᐊᖕᓇᖔᖓᓂ (ᑕᑯᔭᒐᖅ 2), ᐃᓇᖏᖅᑕᐅᓚᐅᖅᖢᓂᓗ ᐊᕐᕌᒎᔪᒥ ᓴᙱᓂᖅᓴᒧᑦ ᖃᓄᐃᓕᖓᓇᔭᙳᐊᖅᑐᒧᑦ ᐊᕐᕌᒍᕋᓴᖕᓄᑦ ᐊᔪᙲᓐᓇᕐᓂᐊᖁᓪᓗᒍ. ᐊᐅᔭᖅ ᖃᐅᓱᐃᑦᑐᕐᒦᑎᓪᓗᑕ ᓄᓇᓕᖕᒥᐅᑦ ᐅᖃᓪᓚᖃᑎᒋᓚᐅᖅᑕᕗᑦ (ᒪᐃᔭᐅᑉ ᑎᑎᕋᕐᕕᐊ) ᐃᓕᓯᒃᑲᓐᓂᕈᓐᓇᕐᓂᕋᖅᑕᐅᓚᐅᖅᖢᑕᓗ ᐊᔾᔨᓕᐅᕈᑎᒥᒃ ᓯᓚᒦᑦᑐᖅᓯᐅᑎᒥᒃ, ᑖᓐᓇ ᓵᙵᓗᓂᒃ ᖃᐅᓱᐃᑦᑑᑉ ᑕᓯᐊᓂᒃ. ᑐᓴᖅᑎᓯᒪᔭᕗᑦ ᖃᐅᐃᑦᑐᕐᒥ ᐊᖑᓇᓱᒃᑏᑦ ᒥᑭᒋᐊᕐᓂᐊᖅᑏᓪᓗ ᑲᑐᔾᔨᖃᑎᒌᖏᑦ, ᒪᐃᔭᐅᑉ ᑎᑎᕋᕐᕕᐊ ᐊᒻᒪᓗ ᐃᓕᓐᓂᐊᕐᕕᖕᒥ ᐊᖓᔪᖅᑳᕆᔭᐅᔪᖅ, ᐃᖅᑲᓇᐃᔭᖅᑎᒃᓴᖅᓯᐊᕈᒪᓪᓗᑕᓗ (ᐃᒻᒪᖄ ᐃᓕᓐᓂᐊᖅᑎᒥᒃ) ᐹᑕᓖᓕᖅᓱᓛᖁᓪᓗᑎᒍᑦ ᐊᓯᖏᓐᓂᒃ ᐊᔾᔨᓕᐅᕈᑦ ᓵᖓᔪᖅ ᖃᐅᓱᐃᑦᑑᑉ ᑕᓯᐊᓄᑦ ᖃᖓᑭᐊᖅ ᐅᐱᕐᖔᖑᓕᖅᐸᑦ ᐊᐅᓚᐅᖅᑎᓐᓇᒍ.

ᒪᓕᒃᓴᖅᖢᖓ ᓱᓗᒃᕙᐃᑦ ᐊᐅᓚᑦᑎᖃᑎᒌᖕᓂᕐᒧᑦ ᑲᑎᒪᔨᕋᓛᑦ ᐊᕐᕌᓂ ᐅᖃᓚᐅᖅᑕᖏᓐᓂᒃ, ᓯᑰᑉ ᐃᔾᔪᑎᒋᓂᖓᓂᒃ ᖃᐅᔨᓴᕈᑎ ᐊᖑᓇᓱᒡᕕᐅᕙᒃᑑᑉ ᑕᓯᐊᓄᐊᕈᓐᓃᓚᐅᖅᐸᕋ ᑕᐃᒪᓐᓇ ᐸᕐᓇᒃᓯᒪᓚᐅᕋᓗᐊᖅᖢᖓ (ᐃᒃᑲᓗᐊᖅᑐᒃᓴᐅᖕᒪᑦ) ᐃᓕᖔᓕᖅᖢᒍ 3ᒪᐃᓪ / ᑕᓯᕋᓛᕐᒥ (74.75N, -95.05W) 4.5 ᒦᑕᓂᒃ ᐃᑎᓂᒋᔪᒥ ᑕᓯᕐᒥ. ᖃᐅᔨᓴᕈᑎᐅᑉ ᐃᑭᑦᑕᖅᑐᐊ ᖃᓄᐃᓕᓚᐅᕐᒪᑦ ᒫᓐᓇᐅᔪᖅ ᑐᖅᑯᐃᕕᖕᒦᑦᑐᖅ PCSPᒥ ᐊᐅᔭᙳᓚᐅᖅᑎᓐᓇᒍ 2018ᒥ, 3 ᒪᐃᓪᒧᑦ/ᑕᓯᕋᓛᕐᒧᑦ ᐃᓕᒃᑲᓐᓂᓛᕈᒪᓪᓗᒍ ᓯᑰᑉ ᐃᔾᔪᑎᒋᓂᖓᓄᑦ ᑎᑎᕋᐅᓯᖃᓛᕈᒪᓪᓗᖓ 2018/19.

ᑕᑯᔭᒐᖅ 2. ᓯᓚᒦᑉᐸᒃᑐᖅ ᐊᔾᔨᓕᐅᕈᑎ ᐃᓂᒥᓃᑦᑐᖅ ᑕᓯᕋᓛᕐᒥ ᐆᒃᑑᑎᒋᔭᐅᔪᕐᓗ ᐊᔾᔨᓕᐅᖅᑕᐅᓚᐅᖅᑐᓂᒃ.

3

ᑕᒪᐃᑎᒍᑦ ᐱᓕᕆᐊᒃᓴᐅᑉ ᑲᔪᓯᑦᑎᐊᖅᑎᒋᓂᖓ ᐸᕐᓇᐅᑏᓪᓗ 2018ᒧᑦ:

ᓄᓇᒥ ᖃᐅᔨᒃᑲᐃᔾᔪᑏᑦ ᑲᑎᖅᓱᖅᑕᐅᔪᑦ (ᐊᔾᔨᙳᐊᑦ) ᒫᓐᓇ ᖃᐅᔨᓴᖅᐅᕙᓪᓕᐊᔪᑦ ᐃᓚᖏᓪᓗ ᓯᑯᕙᓪᓕᐊᓂᖏᓐᓄᑦ ᐊᐅᒃᐸᓪᓕᐊᓂᕆᔭᖏᓐᓄᓪᓗ ᐅᓪᓗᐃᑦ ᐃᓕᔭᐅᓯᒪᔪᑦ ᖃᐅᔨᒋᐊᕐᕕᓐᓂ: http://sites.utm.utoronto.ca/brown/content/lake-ice-cover-dates. ᓯᓚᐅᑉ ᖃᓄᐃᓐᓂᖓᓄᑦ ᖃᐅᔨᒃᑲᐃᔾᔪᑏᑦ ᑐᒃᑐᓕᐊᕐᕕᐅᑉ ᓇᖅᓴᙵᓄᑦ ᖃᐅᓱᐃᑦᑐᕐᒥᓗ ᓯᓚᓐᓂᐊᕐᕕᖕᒧᑦ ᐊᑐᖅᑕᐅᔪᑦ ᓯᑰᑉ ᖃᓄᐃᓕᖓᓇᔭᙳᐊᕐᓂᖏᓐᓄᑦ ᐱᓕᕆᐊᕆᔭᐅᔪᓄᑦ, ᓯᑰᑉ ᖄᖓ ᐃᔾᔪᐊᖅᑕᐅᓇᓱᒡᓗᓂ ᑕᐃᒪᙵᓂᑦ ᓯᓚᐅᑉ ᖃᓄᐃᓐᓂᖓ ᑎᑎᕋᐅᓯᕆᔭᐅᕙᓕᓚᐅᕐᓂᖓᓂᑦ (1953 ᖃᐅᓱᐃᑦᑐᕐᒧᑦ, 2006 ᑐᒃᑐᓕᐊᕐᕕᐅᑉ ᓇᖅᓴᙵᓄᑦ). ᓯᕗᓪᓕᕐᒥ ᖃᓄᐃᓕᖓᓇᔭᙳᐊᕐᓂᖏᓐᓄᑦ ᖃᐅᔨᔭᐅᔪᑦ ᓴᖅᑭᑎᑕᐅᓚᐅᖅᑐᑦ ᑲᓇᑕᒥ ᓄᓇᓕᕆᔩᑦ ᑲᑐᔾᔨᖃᑎᒌᖏᑕ ᐊᕐᕌᒍᑕᒫᑦ ᑲᑎᒪᖃᑦᑕᕐᓂᖏᓐᓂ (ᑎᑎᕋᐅᓯᕆᔭᐅᔪᖅ ᐅᓂᒃᑳᓕᐊᑉ ᐃᓱᐊᓂ) ᐊᒥᓱᓂᒡᓗ ᐱᓕᕆᕝᕕᐅᑉ ᑲᑎᒪᕐᔪᐊᖃᑦᑕᕐᓂᕆᔭᖏᓐᓂ/ᓴᖅᑭᑎᑦᑎᑕᑦᑕᕐᓂᕆᔭᖏᓐᓂ. ᖁᑦᑎᖕᓂᖅᐹᒥᒃ ᐃᓕᓐᓂᐊᖅᑎᖁᑎᒐ ᐊᓚᒃᓯᔅ ᕌᐱᓐᓴᓐ ᐋᖅᑭᒃᓱᖅᐸᓪᓕᐊᔪᖅ ᐊᑭᓐᓇᕐᒥᐅᑕᕐᒥᒃ ᑕᒪᑐᒧ ᒥᒃᓵᓄᑦ ᐃᓕᓐᓂᐊᕐᕕᖕᒧᑦ ᖃᐅᓯᐃᑦᑐᕐᒥ (ᐃᓚᒋᔭᐅᓪᓗᓂ ᖃᐅᔨᓴᖅᑎᑦ ᖃᓄᐃᓕᐅᖅᐸᖕᓂᖏᓐᓄᑦ ᐱᓕᕆᐊᒃᓴᖅ ᐊᑐᖅᐸᒃᑕᖏᑦ). ᖃᓄᐃᓕᖓᓇᔭᙳᐊᕐᓂᖏᑦ ᓯᑯᕙᓪᓕᐊᓂᐅᑉ/ᐊᐅᒃᐸᓪᓕᐊᓂᐅᑉ ᐅᓪᓗᖏᑦ ᖃᐅᔨᓴᖅᑕᐅᔪᑦ ᐊᔾᔨᒋᔭᖃᖅᑎᒋᓂᖏᓐᓂᒃ ᑲᓇᑕᒥ ᓯᑯᒧᑦ ᑐᖅᑯᐅᕕᖕᒦᑦᑐᓂ ᐅᓪᓗᖏᓐᓄᑦ (1960ᑦ-1990ᑦ), ᖃᖓᓕᓵᖑᓂᖅᓴᐅᔪᓂᓪᓗ ᖁᒻᒧᐊᒃᑎᑕᐅᔪᒃᑯᑦ ᐊᔾᔨᙳᐊᓄᑦ (>2000, ᐱᓗᐊᖅᑐᒥᒃ MODIS ᖃᐅᔨᓴᕈᑎᒥᑦ). ᖁᒻᒧᐊᖅᑎᑕᐅᓯᒪᔪᒃᑯᑦ ᖃᐅᔨᒃᑲᐃᔾᔪᑏᑦ ᑖᔅᓱᒪᙵᑦ ᐱᓕᕆᐊᒃᓴᕐᒥᑦ ᑐᕌᒐᖃᕐᓂᖅᓴᐅᓛᖅᑐᖅ ᖃᐅᓱᐃᑦᑑᑦ ᑕᓯᐊᓂᒃ ᐊᖏᑎᒋᓂᖓ ᓇᓗᓇᐃᖅᓯᑦᑎᐊᕐᓇᕐᓂᖅᓴᐅᖕᒪᑦ ᓯᑯᒥᒃ ᐊᔾᔨᓕᐅᖅᑕᐅᔪᓂ, ᖃᐅᔨᒃᑲᐃᔾᔪᑏᑦ ᑕᓯᕋᓛᕐᒥᑦ ᐊᖑᓇᓱᒡᕕᐅᕙᒃᑑᑉ ᑕᓯᐊᓂᓪᓗ ᐱᔭᐅᕙᒡᓗᑎᒃ ᐊᔪᕐᓇᙱᑦᑕᕌᖓᑦ.

ᐅᑎᓛᕈᒪᔪᒍᑦ ᑕᒪᐃᓐᓄᑦ ᖃᐅᓱᐃᑦᑐᕐᒧᑦ ᑐᒃᑐᓕᐊᕐᕕᐅᑉ ᓇᖅᓴᙵᓄᓪᓗ 2018ᒥ ᐊᐅᔭᐅᓕᖅᐸᑦ ᒥᓇᕆᓛᕋᑦᑎᒍᑦ/ᐋᖅᑭᒃᑲᓐᓂᕐᓗᒋᑦ ᐊᔾᔨᓕᐅᕈᑎᑦ, ᐃᓕᒃᑲᓐᓂᕆᐊᖅᑐᕐᓗᑎᒍᑦ ᓯᑰᑉ ᐃᔾᔪᑎᒋᓂᖓᓄᑦ ᖃᐅᔨᓴᕈᑎ ᐊᒡᒋᖅᑐᒧᑦ ᖃᐅᔨᓴᕐᓂᐅᓛᖅᑐᒧᑦ, ᐊᒻᒪᓗ ᐋᖅᑭᒃᑲᓐᓂᕐᓗᒋᑦ/ᒥᓇᕆᓛᕋᑦᑎᒍᑦ ᓯᓚᓐᓂᐊᕐᕕᖕᒥᑦ ᖃᐅᔨᒃᑲᐃᔾᔪᑏᑦ. ᑕᓰᑦ ᖃᐅᔨᓴᖅᑕᕗᑦ ᐃᑎᑎᒋᓂᖏᑦ ᖃᐅᔨᓴᑦᑎᐊᒃᑲᓐᓂᓛᕈᒪᖕᒥᔭᕗᑦ.

ᖃᐅᔨᓴᕆᐊᖅᑐᒃᑲᓐᓂᕐᓂᖅᑕᖃᓛᖅᑐᒃᓴᐅᔪᖅ ᖃᐅᔨᓴᖅᑐᓕᕆᓂᕐᒧᑦ ᓴᖅᑭᑎᑕᐅᔪᒃᓴᑦ ᐋᖅᑭᒃᑕᐅᓚᐅᖅᑎᓐᓇᒋᑦ ᑖᒃᑯ ᖃᐅᔨᒃᑲᐃᔾᔪᑏᑦ ᐊᑐᖅᑕᐅᓪᓗᑎᒃ, ᑭᓯᐊᓂ ᓯᕗᓪᓕᕐᒥ ᓯᑰᑉ ᐃᔾᔪᑎᒋᓂᖓ ᓄᓇᒥᓗ ᐅᔾᔨᕆᔭᐅᓚᐅᖅᑐᑦ ᒪᐃ 2016ᒥ ᐃᓚᒋᔭᐅᒐᓗᐊᖅᖢᑎᒃ ᓴᖅᑭᑕᐅᓛᖅᑐᒧᑦ ᐸᕐᓇᒃᑕᐅᕙᓪᓕᐊᔪᒧᑦ ᑐᕌᒐᖃᖅᖢᓂ ᐊᓐᑎᐊᕆᐅᒥ ᓯᑰᑉ ᖄᖓ ᖃᓄᕐᓗ ᐊᔾᔨᒋᔭᖃᙱᓐᓂᖓᓂᒃ ᐃᔾᔪᑎᒋᓂᖓᓂᒃ ᐋᖅᑭᒃᓯᒪᓂᖓᓂᒡᓗ (ᓯᑯᑦ ᖃᓄᐃᑦᑑᑕᐅᕙᖕᓂᖏᑦ) ᐅᑭᐅᖅᑕᖅᑐᕐᒥ ᓯᑰᑉ ᖄᖓᓂᑦ; ᓯᕗᓪᓕᐅᓪᓗᓂ ᑕᒪᐃᑎᒍᑦ ᑲᓇᑕᓗᒃᑖᕐᒧᑦ ᐱᓕᕆᐊᒃᓴᕐᒥᑦ. ᐱᓕᕆᖃᑎᒋᕙᒃᑕᒃᑲ ᓴᖅᑭᑦᑎᓇᓱᒃᑎᓛᖅᑕᒃᑲ ᓄᓇᒥ ᖃᐅᔨᓴᕐᓂᕐᒥᑦ ᖃᐅᔨᔭᐅᓯᒪᔪᓂᒃ 2018ᖑᑎᓪᓗᒍ, ᓴᖅᑭᑦᑎᓛᕈᒪᓪᓗᑕ ᑲᓇᑕᒥ ᓄᓇᓕᕆᔩᑦ ᐃᓕᓐᓂᐊᖅᑏᑦ ᑲᑐᔾᔨᖃᑎᒌᖏᑕ ᐊᕐᕌᒍᑕᒫᑦ ᑲᑎᒪᖃᑦᑕᕐᓂᖏᓐᓂ (2018 ᐱᒋᐊᓕᓵᖅᑎᓪᓗᒎᓛᖅᑐᒃᓴᐅᔪᖅ), ᑐᕌᓐᑑᑉ ᓯᓚᑦᑐᖅᓴᕐᕕᐊᑕ ᒥᓯᓵᒐᒥ ᐃᓕᓐᓂᐊᖅᑏᑦ ᖃᐅᔨᓴᖅᑎᐅᓂᕐᒥᒃ ᑲᑎᒪᓂᖏᑦ (ᐅᐱᕐᖔᖓᓂ 2018) ᐊᒻᒪᓗ ᑲᓇᑕᒥ ᓄᓇᓕᕆᔩᑦ ᑲᑐᔾᔨᖃᑎᒌᖏᑕ ᐊᕐᕌᒍᑕᒫᑦ ᑲᑎᒪᖃᑦᑕᕐᓂᖏᑦ (ᔫᓐ 2018).

ᓴᖅᑭᑕᐅᓯᒪᔪᖅ ᐊᒃᑐᐊᓪᓗᓂ ᑖᔅᓱᒧᖓ ᐱᓕᕆᐊᒃᓴᕐᒧᑦ ᐊᕐᕌᒎᔪᒥ:

ᕌᐱᓐᓴᓐ ᐊ, ᐳᕋᐅᓐ ᓘ. ᓯᑰᑉ ᖃᓄᐃᓕᖓᓇᔭᙳᐊᕐᓂᖏᑦ ᒪᕐᕉᖕᓂᒃ ᖁᑦᑎᒃᑐᒥ ᑕᓯᕐᓂᒃ. ᑲᓇᑕᒥ ᓄᓇᓕᕆᔩᑦ ᑲᑐᔾᔨᖃᑎᒌᖏᑕ ᐊᕐᕌᒍᑕᒫᑦ ᑲᑎᒪᖃᑦᑕᕐᓂᖏᑦ, ᐊᑭᓐᓇᕐᒥᐅᑕᖅ ᓴᖅᑭᑎᑕᐅᓂᖓ, ᕙᓐᑰᕙ, ᒪᐃ 29 2017.