ᖁᒻ ᒥᓱᒻᒥ 2012 ᑐᑭᓯᐅᒪᔾ ᔪᑎᔅ ᓴᐃᑦ ᐊᕙᑎᓕᕆᓂᕐ ᒥᒃ ᓇᐃᓅᕐ ᓯᒪᔪᑦ

ᖁᒻ ᒥᓱᒻᒥ ᑕᐃᒪᓐᓯᐅᕐ ᓂᕐ ᒥ (ᑕᐃᒪᓐᓯᐅᕐ ᕕᒃ), ᓇᒻ ᒥᓂᕆᔭᐅᓪ ᓗᓂ ᐊᐅᓚᑕᐅᓪ ᓗᓂᓗ ᐱᐅᕋᒍᕆᓐ ᑕᐃᒪᓐ ᑎᒥᖖᐅᓐ ᔪᑦ (ᐱᐅᕋᒍᕆᓐ) ᑕᓖᓃᑦ ᑐᖅ ᓴᐅᒥᐊᓂ (Hall Peninsula), ᓂᕆᐊᓃᑦ ᑐᖅ ᑲᓇᓐ ᓇᕐ ᐸᓯᐊᓂ ᖄᑭᖅᑕᓘᑉ, ᔪᓇᕗᒥ (ᑕᓖᓂ 75 ᑭᓛᒥᑕᓂᒃ (km) ᐅᖓᓯᓐ ᓂᓪᒃ ᑲᓇᓐ ᓇᖕᓂ ᐃᖅᑲᐃᑦ) (ᑕᑯᔭᔅ ᓴᖅ 1). EBA ᓴᓇᔨᑦ ᖃᐅᔨᒪᔨᑕᐃᑦ ᑎᒥᖑᑦ ᐊᐅᓚᓂᓛᑦ ᐃᓖᒃ ᑕᐃᔭᐅᓪ ᔪᑎᒃ EBA, A Tetra Tech Company (EBA) ᑲᔪᓯᑎᑕᐅᔪᒻ ᒪᑕ ᐃᖅᑲᓇᐃᔭᖅᑎᑕᐅᓪ ᔪᑎᒃ ᐱᐅᕋᒍᕆᓐ ᑯᓐᓂ ᑲᒪᓂᐊᕐ ᖔᑕ 2012ᒥ ᑐᑭᓯᐅᒪᔾ ᔪᑎᔅ ᓴᓂᑦ ᐊᕙᑎᓕᕆᓂᕐ ᒥᒃ ᖃᐅᔨᓴᕐ ᓂᕐ ᒥᒃ ᐃᖅᑲᓇᐃᔭᕐ ᕕᐅᔪᒥ ᔪᓚᐃ 14ᒥ 16ᒧᑦ. ᑲᔪᓯᔪᒻ ᒪᑕ ᑐᑭᓯᐅᒪᔾ ᔪᑎᔅ ᓴᓕᕆᓂᕐ ᒥᒃ ᐊᕙᑎᓕᕆᓂᕐ ᒥᒃ ᖃᐅᔨᓴᕐ ᓂᕐ ᒥ ᑲᒪᕆᔭᐅᖅᑦ ᑕᓲᖑᓪ ᓗᓂ ᐊᕐ ᕿᑐᑕᓖᑦ ᑕᐃᒪᓐᓯᐅᕐ ᕕᒻ ᒥ 2009ᒥ ᓂᑦ.

2012ᒥ ᖃᐅᔨᓴᕐ ᓃᑦ ᒪᑯᓂᖓ ᐃᓚᖃᔪᔪᑦ ᖃᐅᔨᓴᖃᑦ ᑕᔪᔪᑦ ᐃᒪᐅᑉ ᖄᖕᓂ ᖃᓄᐃᓐ ᓂᖕᓂᒃ, ᑐᑦ ᑐᓂᑦ ᐊᒻ ᒪᓗ ᓂᖁᑐᖅᑎᓂᑦ, ᐊᒻ ᒪᓗ ᑎᒻ ᒥᐊᑦ ᓂᖁᔅ ᓴᕐ ᓯᐅᓲᑦ ᐱᑭᐅᖕᒐ ᓂᒃ ᖃᐅᔨᓴᕐ ᕕᑎᕙᑦ ᑕᖖᐅ ᓂ ᑕᓖᓂ 2,639 ᑭᐸ ᕌᓐᑦ ᑐᑦ ᑭᓛᒥᑕᓂᒃ ᐊᖏᓂᓕᒻ ᒥᒃ (km^2). ᐊᒻ ᒪᓗᑦ ᑕᐅᖅ, ᓯᕗᓪ ᓕᕐ ᒥ ᓇᔪᒐᐅᓂᖕᓂᒃ ᖃᐅᔨᓴᕐ ᓂᕐ ᒥ ᒪᕐ ᕉᓐ ᓂᒃ ᐱᐅᕋᒍᕆᓐ ᖁᓂᕐ ᕕᑦ ᓪ ᓗᐊᑕᖅᑕᖕ ᓂᒃ (CH-6 ᐊᒻ ᒪᓗ -7) ᖃᐅᔨᓴᔪᒻ ᒪᑕ ᐊᒻ ᒪᓗ ᐃᒥᕋᔅ ᓴᕐ ᒥᒃ ᐃᒥᕐ ᒥᒃ ᖃᓄᐃᓐ ᓂᖕᓂᒃ ᖃᐅᔨᓴᕋᔅ ᓴᓂᔪᓪ ᓗᑎᒃ ᐊᐅᓚᕕᖑᓐ ᓂ ᔪᓇᕆᑲᐃᓐ ᓇᖅᑕᖕᓂ. ᐱᐅᕋᒍᕆᓐ ᑯᑦ ᖁᓂᕐ ᓂᕆᕙᑦ ᑕᖕ ᓂᒃ ᒥᑭᓪ ᓕᕆᐊᖅᑎᑦ ᑎᔪᒻ ᒪᑕ 2012ᒥ ᐃᓖᑎᕆ ᒥᑭᔫᓪᖅᑐᓂ (12 km ᐊᒻ ᒪᓗᑭᑕᐅᔨᖓᔅᒥ) ᑕᓖᓂ ᖁᑎᐊᓃᑦ ᑐᖅ ᓇᓂᓯᕕᐅᓯᒪᔪᒥ (ᑕᐃᔭᐅᕙᑦ ᑐᖅ ᓂᕆᐊᓂ ᑲᒪᕕᓪ ᓗᐊᑕᖅ) (ᑕᑯᔭᔅ ᓴᖅ 1), ᐊᖏᓂᖓ ᐊᕙᑎᓕᕆᓂᕐ ᒧᑦ ᖃᐅᔨᓴᕐ ᓂᕐ ᒥ ᒥᑭᓪ ᓕᕆᐊᖅᑕᐅᓯᒪᔪᖅ ᐊᕐ ᕿᑐᓂᑦ ᓯᕗᓪ ᓕᕐ ᓂᑦ. ᑐᕿᕙᖅᑐᔪᑦ 2012ᒥ ᖃᐅᔨᓴᕐ ᓂᕐ ᓂᑦ ᑲᔪᓯᑦ ᑎᒧᒪᓪ ᓗᑎᒃ ᑎᑎᕋᖃᑦ ᑕᓂᕐ ᒥᒃ ᑐᑭᓯᐅᒪᔾ ᔪᑎᔅ ᓴᓂᑦ ᐊᕙᑎᓕᕆᓂᕐ ᒥᒃ ᖃᓄᐃᓐ ᓂᐅᔪᓂᑦ ᖃᐅᔨᓴᕐ ᕕᖑᓐ ᓂ, ᐊᒻ ᒪᓗ ᖃᐅᔨᔪᒪᓪ ᓗᑎᒃ ᐊᒻ ᒪᓗ ᔪᓇᖕᖏᒧᑦ ᐋᖅᑭᔅ ᓯᐃᔪᒪᓪ ᓗᑎᒃ ᐃᓯᒫᓗᓇᓗᐊᖅᑐᓂᑦ ᐱᕙᓪ ᓕᐊᓂᖏᑦ ᐸᕐ ᓇᑕᐅᓯᒪᑦ ᑎᐊᖃᑦ ᑕᓂᐊᕐ ᖔᑕ ᐊᑦ ᑐᖅᑕᐅᑦ ᑕᐃᓕᖃᑦ ᑕᕐ ᓗᑎᒃ ᐅᕝ ᕙᓘᓐ ᓂᑦ ᐸᓚᕐ ᔩᒥᑎᑦ ᑎᕆᐊᖃᑦ ᑕᕐ ᓗᑎᒃ ᐋᑐᑎᒍᓐ ᓇᖅᑐᓂᑦ.

ᐊᕙᑎᓕᕆᓂᕐ ᒥᒃ ᖃᐅᔨᓴᕐ ᓂᖃᔪᔪᑦ ᔪᓚᐃ 14ᒥ 16ᒧᑦ, 2012ᖑᑎᓪ ᓗᒍ.

ᐃᒪᐅᑉ ᖄᖕᓚ ᖃᓄᐃᓐ ᓂᖓ

ᐱᔾ ᔪᑎᖅᑳᖅᑐᑎᒃ ᖃᐅᔨᓴᖃᑦ ᑕᔪᔪᑦ ᑐᑭᓯᔪᒪᓪ ᓗᑎᒃ ᐃᒪᐅᑉ ᖃᓄᐃᑦ ᑑᓂᖕᓂᒃ ᑕᐅᓇᓂ ᖁᓂᕐ ᕕᐅᑉ ᓂᕆᐊᓂ ᐊᒻ ᒪᓗ ᐊᕙᏓᓃᑦ ᑐᓂᑦ ᑰᕝ ᕕᖕᓂᒃ ᔪᓚᐃᖑᑎᓪ ᓗᒍ ᐃᖅᑲᓇᐃᔭᕐ ᓂᖕ ᓂ. 12 14ᖑᑎᓪ ᓗᑎᑦ ᐃᒥᕐ ᒥᒃ ᖃᐅᔨᓴᕐ ᕕᐅᔪᔪᑦ ᖃᐅᔨᓴᕋᔅ ᓴᓂᕝ ᕕᐅᔪᔪᑦ ᑭᓪ ᓕᖅᑲᕐ ᕕᖕ ᓂᒃ, ᐱᕈᕐ ᓇᖅᑐᖕ ᓂᒃ, ᑲᑎᑦ ᑐᖏᑦ ᓴᕕᕋᔭᖅᑲᕐ ᓂᖏᑦ ᓂᒃ, ᑲᑎᑦ ᑐᖏᑦ ᐸᐅᔅ ᓴᖅᑲᕐ ᓂᖕ ᓂᒃ, ᐅᕐ ᓱᐊᓗᖅᑲᕐ ᓂᖕ ᓂᒃ ᐅᕐ ᓱᖅᑕᖅᑲᕐ ᓂᖕ ᓂᒃ ᔪᓚᐃᒥ ᐃᖅᑲᓇᐃᔭᕐ ᓇᐅᓂᖓᓂ (ᑕᑯᔭᔅ ᓴᖅ 1). ᒪᕐ ᕉᒃ ᖃᐅᔨᓴᕋᔅ ᓴᓂᕝ ᕕᔅ ᓵᒃ ᓴᓗᐊᕐ ᓯᒪᔪᒻ ᒪᑎᒃ ᖃᐅᔨᓴᕋᔅ ᓴᓂᕝ ᕕᐅᔪᖕᖑᑉ ᑑᒃ. ᖃᐅᔨᒍᑕᐅᔪᑦ ᐃᒥᐅᑉ ᖃᓄᐃᑦ ᑑᓂᖕᓂᒃ ᖁᒥᕐ ᕈᔭᐅᔪᔪᑦ ᑲᓇᑕᒥᑦ ᑲᑎᒪᔩᖕ ᖑᓪ ᒥᓂᔅ ᑕᒡ ᒍᑎᖑᑦ ᐊᕙᑎᓕᕆᓂᕐ ᒧᑦ (CCME) ᐊᑐᐊᒐᐃᑦ ᒪᓕᑦ ᑐᕆᑦ ᓴᕗᔾ ᔨᓂᕐ ᒧᑦ ᐃᒥᑦ ᑎᐊᕙᒻ ᒥᒃ ᐆᒪᓂᓕᓐ ᓂᑦ (FAL).

ᑕᒪᒃ ᑯᐊ ᐃᖅᑲᓇᐃᔭᕐ ᕕᒻ ᒥ ᖃᐅᔨᒍᑕᐅᔪᑦ ᖁᒥᕐ ᕈᔭᐅᓰᑦ ᐊᔾ ᔨᕖᖕᖏᓂᖕᒋᑦ ᐊᑐᐊᒐᖕᖑᑦ ᑖᒃ ᑯᐊ CCME FAL, pH ᐊᒻ ᒪᓗ ᑲᑎᑦ ᑐᕆᑦ ᓴᕕᕋᔭᖅᑲᕐ ᓂᖕᒋᑦ ᐅᖓᑖᓃᑦ ᑐᑦ ᒪᓕᑦ ᑕᐅᒐᔪᑦ ᑐᑦ ᐊᒥᓱᓂᑦ ᐃᒥᕐ ᓂᑦ ᖃᐅᔨᓴᕐ ᕕᒥᓂᕐ ᓂᑦ, ᖃᐅᔨᓴᖅᑕᐅᖕᒋᑦ ᑐᑑᓪ ᓗᑎᒃ ᒪᕐ ᕉᒃ. ᐊᒻ ᒪᓗᑦ ᑕᐅᖅ, ᑲᑎᑦ ᑐᕆᑦ ᐃᒪᐃᑦ ᑐᖅᑲᕐ ᓂᖕᒋᑦ cadmium ᐅᖓᑖᓃᔪᔪᑦ ᑕᐃᒪᐃᑦ ᑐᖅᑲᕙᔪᓱᖑᓂᖕᒋᑦ ᐊᑕᐅᓯᕐ ᒥᒃ ᖃᐅᔨᓴᕐ ᕕᒥᓂᕐ ᓂᑦ. ᑖᒃ ᑯᐊ ᐊᖏᓂᖕᒋᑦ (pH, aluminum, and cadmium) ᖃᐅᔨᔭᐅᓯᒪᔪᑦ ᐅᖓᑖᓃᑦ ᑐᑎᒃ ᐊᑐᐊᒐᖕᒋᑦ ᑖᒃ ᑯᐊ CCME FAL 2009ᒥ ᓂᑦ, ᐱᖅᓱᐅᑎᓪ ᓗᑎᑦ ᖃᐅᔨᓴᕋᔅ ᓴᖅᑖᖑᔪᔪᑦ ᔪᐊᑕᐅᓯᒪᔪᑦ ᓯᓚᑖᓂ ᐅᓚᕕᑦ ᑎᕕᐅᓯᒪᔫᑉ ᖁᓂᕐ ᕕᐅᖃᑦ ᑕᕐ ᓯᒪᔪᓂᑦ. ᐃᒥᐅᑉ ᖄᖕᓚ ᖃᓄᐃᑦ ᑑᓂᖕᒋᑦ ᐱᔾ ᔪᑎᓛᑦ ᐊᕙᑖᓃᑦ ᑐᑦ ᖃᓄᐃᓐ ᓂᖕᓂᒃ.

ᔪᓇᕆᔭᐅᕙᑦ ᑐᒥ ᐃᒥᖅᑕᐅᒍᓐ ᓇᖅᑑᑉ ᐃᒥᐅᑉ ᖃᓄᐃᑦ ᑑᓂᖓ

ᐱᔾ ᔪᑎᖅᑳᖅᑐᑎᒃ ᐃᒥᖅᑕᐅᒍᓐ ᓇᖅᑐᒥᒃ ᐃᒥᕐ ᒥᒃ ᖃᐅᔨᓴᕋᔅ ᓴᓂᖃᑦ ᑕᓂᕐ ᒥᒃ ᔪᐊᑦ ᑎᖃᑦ ᑕᔪᔪᑦ ᑐᑭᓯᑦ ᑎᐊᕈᒪᓪ ᓗᑎᒃ ᐃᒥᐅᑉ ᖃᓄᐃᑦ ᑑᓂᖕᓂᒃ ᐃᖅᑲᓇᐃᔭᕐ ᕕᖕ ᓂ ᔪᓇᕆᑲᐃᓐ ᓇᖅᑕᖖᐅ ᓂ(ᖕ ᓂᒃ) ᓈᒻ ᒪᒃ ᑲᓗᐊᕐ ᒪᖔᑦ ᐊᑐᐊᒐᖕ ᔪᑦ

ᑲᓇᑕᒥᐅᑦ ᐃᒥᕆᕙᑦ ᑕᖏᑦ ᓈᓪᒪᓐᓂᕆᕙᑦ ᑕᖑᓐᓄᑦ (ᒐᕙᒪᑐᖅᑲᒃᑯᓐᓂ—ᐊᕕᑦ ᑐᕐᓯᒪᕕᓐᓂᑦ ᖃᓪᓗᓈᑦ ᓄᓇᖓᓐᓂ—ᐅᑭᐅᖅᑕᖅᑐᒥᓗ ᑲᑎᒪᔨᕋᓛᑦ ᐃᒥᖅᑕᐅᕙᑦ ᑐᒥ ᐃᒥᕐᒥᒃ ᒐᕙᒪᑐᖅᑲᒃᑯᓐᓂ—ᐊᕕᑦ ᑐᕐᓯᒪᕕᓐᓂᑦ ᖃᓪᓗᓈᑦ ᓄᓇᖓᓐᓂ—ᐅᑭᐅᖅᑕᖅᑐᒥᓗ ᑲᑎᒪᔨᕋᓛᑦ ᐃᓗᓯᓕᕆᓂᕐᒥᒃ ᐊᕙᑎᓕᕆᓂᕐᒧᓪᓗ 2010). ᓇᓂᓯᕕᐅᓯᒪᔪᒥ ᓄᓇᒋᔭᐅᕙᑦᑐᖅ (ᑕᑯᔭᒃᓴᖅ 1) ᑖᓐᓇᑐᐊᖅ ᐊᐅᓚᕕᐅᔪᔪᖅ ᔪᓚᐃᒥ ᐃᖅᑲᓇᐃᔭᕐᓂᖕᓂ.

ᖃᐅᔨᓴᕐᓴᐃᑦ ᓄᐊᑕᐅᔪᔪᑦ ᑎᓴᒪᓂᑦ ᑯᕕᓖᖅᑯᕐ ᕕᓐᓂᑦ ᐱᒋᐊᙵ ᓂᖕᒥᓂ ᐃᓯᐊᓂᓗ ᓄᓇᒋᔭᐅᕙᑦᑐᒥ ᐃᒥᖅᑯᕐ ᕕᐅᕙᑦᑐᒥ, ᐊᒻᒪᓗᑦ ᑕᐅᖅ ᐃᒥᖅᑕᕐ ᕕᕆᕙᑦ ᑕᖑᓂᓯᓪᓗᓚᒃ ᑯᑦ (ᖃᓂᒋᔮᓂ ᑰᒐᓛᒻᒥ). ᖃᐅᔨᓴᕐᓴᐃᑦ ᐊᐅᓪᓚᖅᑎᑕᐅᔪᔪᑦ ᐅᕝᕙ Maxxam Analytics ᖃᐅᔨᓴᕐᕕᒻᒧᑦ ᐋᑐᕚᒥ 12 ᐃᑲᕐᕋᐃᑦ ᑐᖏᓂ ᖃᐅᔨᓴᕐᓴᓂᓚᐅᖅᑎᓪᓗᒋᑦ ᐊᒻᒪᓗ ᖃᐅᔨᓴᖅᑕᐅᓪᓗᑎᒃ ᑲᑎᑦᑐᒋᑦ ᐊᒻᒪᓗ ᐆᒪᓂᓪᓕᓂᑦ ᐃᔾᔪᑦ ᑕᑯᔅᓴᐅᖏᑦᑐᓂᑦ (faecal coliforms) ᐊᒻᒪᓗ ᖃᓪᓗᓈᑎᑐᑦ ᐃᒪᒃ ᑕᐃᔭᐅᕙᑦᑐᒥᒃ *Escherichia* Coli (E. *coli*). ᖃᐅᔨᒍᑕᐅᔪᑦ ᖃᐅᔨᒍᑕᐅᔪᔪᑦ ᑕᒪᕐᒥᒃ ᐃᓗᐊᓃᑦ ᑐᑦ ᓇᓂᓯᕕᐅᓯᒪᔫᑉ ᓄᓇᒋᔭᐅᕙᑦ ᑑᑉ ᐃᒪᖅᑕᓖᑦ ᑐᖑᓃᑦ ᑐᒥᓃᑦ ᖃᐅᔨᓴᕐᕕᒻᒥ ᖃᐅᔨᔭᐅᓲᑦ ᑭᓪᓕᖕᓂᒃ, ᑭᓯᐊᓂ ᑕᐃᒪ ᐃᒥᖃᕕᐅᕙᑦᑐᒥ ᐃᒥᑐᐃᓐᓇᕐᒥ, ᑕᐃᒪ ᐃᒻᒪᑦ ᐃᓯᒪᓇᔪᔪᖅ ᐃᒪᐃᑦᑐᒥᒃ ᖁᐱᕐᕈᐃᔭ ᐃᑎᖃᕆᐊᖃᕐᔭᕐ ᓂᖕᓂᒃ (UV and bleaching systems). ᐃᒥᖅᑕᐅᔪᓐᓇᖅᑐᓂᑦ ᐃᒥᕐᓂᑦ ᖃᐅᔨᓴᕐᓴᖅᑖᕗᔪᔪᑦ ᓇᓂᓯᕕᐅᓯᒪᔪᒥ ᓄᓇᒋᔭᐅᕙᑦᑐᒥ ᐃᓯᒪᒋᔭᐅᔪᔪᑦ ᓈᒪᒋᐊᔅᓴᙱᓐᓂᒃ ᑎᒥᒧᑦ ᒪᓕᒐᐅᓰᑦ ᒪᓕᑦᑐᒋᑦ.

ᑐᑦᑐᐃᑦ ᐊᒻᒪᓗ ᓂᕿᑐᖅᑏᑦ

ᐱᔾᔪᑎᖃᖅᑐᑎᒃ ᖃᖓᑕᓲᒃᑯᑦ ᑐᑦᑐᓂᑦ ᓂᕿᑐᖅᑎᓂᓪᓗ ᖃᐅᔨᓴᔪᔪᑦ, ᔪᓚᐃ 14ᖑᑎᓪᓗᒍ, ᑐᑭᓯᔪᒪᓪᓗᑎᒃ ᓇᒨᕐᐅᕙᓪᓕᐊᖃᑦ ᑕᕐᒪᖔᑕ ᐊᒻᒪᓗ ᖃᓄᑎᒋ ᑐᑦᑐᖃᕐᒪᖔᖅ ᐊᒻᒪᓗ ᓂᕿᑐᖅᑎᖃᐅᕐᒪᖔᑕ (ᓂᕿᑐᖅᑏᑦ ᑎᓯᕐᒥᓗ) ᖃᐅᔨᓴᕐᕕᖑᓂ (ᑲᑎᑦᑐᒍ ᐊᖏᓂᖓ 2,637 km^2) ᖃᐅᔨᓴᖅᑎᓪᓗᒋᑦ. ᖃᐅᔨᓴᖅᑎᓪᓗᒋᑦ ᖃᖓᑕᖅᑕᐅᔪᔪᑦ ᐱᖓᓲᔪᖅᑐᐃᓕᖅᑲᖓᔪᒥ, ᑲᑎᑦᑐᒍ 404 ᑭᓚᒥᑕ ᐅᖓᓯᑦᑎᑦᑎᓂᖓ (ᐅᑉᐱᓘᓐᓃᑦ ᑕᒪᓂ 12% ᖃᐅᔨᓴᕐᕕᓕᒦᒥᓂᖓ) ᑕᑯᔭᒃᓴᖅ 2).

ᑐᑦᑐᓂᑦ ᑕᑯᔭᖅᑐᖕᒋᑦᑐᑦ ᖃᖓᑕᓲᒃᑯᑦ ᖃᐅᔨᓴᕐᓂᖕᓂ; ᑭᓯᐊᓂᓕ, ᐱᖓᓱᐊᖅᑎᖅᑐᑎᒃ ᑕᑯᔪᔪᑦ ᑲᑎᑦᑐᒋᑦ 12 ᑐᑦᑐᓂᑦ (ᐱᖃᓯᐅᑎᓪᓗᒋᒃ ᒪᕐᕉᒃ ᐊᖑᓴᓪᓘᒃ) ᑎᑎᕋᖅᑕᐅᖃᑦ ᑕᔪᔪᑦ ᒪᕐᕉᓐᓂᒃ ᐅᓪᓘᓐᓂᒃ ᒪᓕᑦᑐᒍ ᖃᐅᔨᓴᕐᓂᖅ (ᑕᑯᔭᒃᓴᖅ 2). ᒪᓕᑦᑐᒋᑦ ᖃᐅᔨᒍᑎᒥᓂᕐᒥᑦ, ᐃᓱᓕᓗᓇᓪᓚᕆᑦᑐᓂᑦ ᑐᑦᑐᖃᕐᕕᐅᕙᓪᓕᐊᕐᑐᓂᑦ ᖃᐅᔨᓯᒪᙱᑦᑐᑦ ᐅᑉᐱᓘᓐᓃᑦ ᓲᔪᕐᓴᕐᓯᒪᙱᑦᑐᑦ ᖃᐅᔨᓴᕐᕕᖑᓂ, ᐱᖃᓯᐅᑎᓪᓗᒍ ᓂᕆᐊᓂ ᑲᒪᕕᓪᓗᐊᑕᖑᑕ.

ᓂᕿᑐᖅᑎᓂᑦ ᑎᓯᕐᒥᓂᓘᓐᓃᑦ ᑕᑯᔭᖅᑐᖕᒋᑦᑐᑦ ᖃᖓᑕᓲᒃᑯᑦ ᖃᐅᔨᓴᕐᓂᖕᓂ, ᐅᑉᐱᓘᓐᓃᑦ ᑕᐅᕙᓃᓐ ᓂᕆᐊᔭᖑᓂ ᔪᓚᐃᒥ ᐃᖅᑲᓇᐃᔭᕐᓂᖕᓂ. ᑎᓯᓃᑦ ᖃᐅᔨᒪᔭᖅᑐᖕᒋᑦᑐᑦ ᓇᒦᑦᑐᖅᑯᕐᒪᖔᖅ; ᑭᓯᐊᓂᓕ, ᑎᓯᓕᑦ ᑕᖅᑯᔅᓴᐅᕙᑦᑐᖅ ᓇᔪᒐᕆᔭᕐᓇᖅᑕᖅᑐᓂ.

ᑎᓪᒥᐊᑦ ᓂᕿᑐᖅᑏᑦ

ᖃᖓᑕᓲᒃᑯᑦ ᐃᓐᓃᑭᐅᕐᒥ–ᐱᑭᐅᓕᓐᓂᑦ ᑎᓪᒥᐊᓂᑦ ᓂᕿᑐᖅᑎᓂᑦ ᖃᐅᔨᓴᖃᑦᑕᕐᓯᒪᔪᑦ ᐊᕐᕌᒍᑕᓖᑦ ᖃᐅᔨᓴᕐᕕᐅᕙᑦᑐᒥ 2009ᒥᓂᑦ, ᐊᒻᒪᓗ ᓇᓗᓇᐃᕐᓯᓯᒪᓪᓗᑎᒃ ᑎᓴᒪᓂᒃ ᖃᐅᔨᒪᔭᐅᔪᓂᑦ ᐊᒻᒪᓗ ᐱᑭᐅᖅᕕᐅᔪᓇᖅᑐᓂᑦ (ᑕᑯᔭᒃᓴᖅ 2). 2009ᒥᓂᑦ, ᑳᔫᑦ, ᑐᓗᒐᐃᑦ, ᑭᒡᒐᕕᐊᕐᔪᐃᓪᓗ ᑎᑎᕋᖅᑕᐅᓯᒪᔪᑦ ᑕᒫᓂ ᐱᑕᖅᑕᖕᓂᒃ ᐅᑉᐱᓘᓐᓃᑦ ᑕᒫᓂ ᐱᑭᐅᑦ ᑕᖅᑕᐅᕙᑦᑐᓂᑦ ᐱᑕᖅᓲᖑᓂᖕᓂᒃ. ᑭᓯᐊᓂᓕ, ᑎᓪᒥᐊᓂᑦ ᓂᕿᑐᖅᑎᓂᑦ ᐱᑭᐅᓕᓐᓂᑦ ᖃᐅᔨᒪᔭᐅᔪᖅᑰᖅᑐᖅ ᓂᕆᐊᓂ ᑲᒪᕕᓪᓗᐊᑕᖑᓂ.

ᐱᔾᔪᑎᖃᖅᑐᑎᒃ ᖃᖓᑕᓲᒃᑯᑦ ᑎᓪᒥᐊᓂᑦ ᓂᕿᑐᖅᑎᓂᑦ ᐱᑭᐅᖅᕕᖕᓂᒃ ᖃᐅᔨᓇᓱᒍᑎᖅᑐᔪᑦ ᑐᑭᓯᔪᒪᓪᓗᑎᒃ ᑎᓪᒥᐊᓂᑦ ᓂᕿᑐᖅᑎᓂᑦ ᑕᒫᓃᑦ ᑐᖅᖄᑦ ᑕᕐᒪᖔᖅ ᑎᓴᒪᓂᑦ ᖃᐅᔨᒪᔭᐅᔪᓂᑦ ᐱᑭᐅᖅᕕᐅᔫᓂᑦ 2012ᒥ. ᖃᐅᔨᓴᕐᓂᕐᒥ ᖃᐅᔨᔪᔪᑦ ᐊᑕᐅᓯᕐᒥᒃ ᐱᑭᐅᖅᕕᖕᒥᒃ ᒪᕐᕉᓐᓄᒃ ᑭᒡᒐᕕᐊᕐᔪᓐᓄᒃ. ᑭᒡᒐᕕᐊᕐᔪᑦ ᑕᑯᔭᐅᓯᒪᔪᑦ ᑕᒫᓂᒥᐅᑕᑦ ᐃᓐᓃᑭᐅᕐᒥ 2010ᒥᓂᑦ (ᑕᑯᔭᒃᓴᖅ 2). ᐊᐃᑉᐹ ᐱᑭᐅᖅᕕᐅᔪᓇᖅᑐᖅ ᑐᓴᖅᑎᑦ ᑎᒍᑕᐅᔪᒻᒥᔪᖅ, ᖃᖓᑕᓲᕐᒧᑦ ᐊᖅᑯᑎ ᑕᑯᓐᓂᕐᖑᖅ ᑭᓯᑦᓚᑦ ᑖᒥᐅᒐᓗᐊᕿᐊᖅ ᑎᓪᒥᐊᒥᑦ ᓂᕿᑐᖅᑎᒃ ᐃᓐᓃᑭᐅᕐᒦᙶᖅᑐᒥᒃ ᐱᑭᐅᖅᕕᐅᔫᖅ ᐃᓂᖓᓂ.

ᕿᔪᑦᑕᓕᒃ ᐱᑭᐅᖅ ᐃᓱᒪᒋᔭᐅᔪᔪᖅ ᐊᑐᖅᑕᐅᓚᐅᕐᓯᒪᙱᐊᔅᓴᖓᓂᒃ 2011ᒥᓂᑦ, ᑭᓯᐊᓂ ᓇᔪᖅᑕᐅᕙᑦᑐᖅ ᑳᔫᓄᑦ 2010ᒥ, ᐊᒻᒪᓗ ᓇᔪᖅᑕᒥᓂᐅᔪᔅᓴᐅᓪᓗᓂ ᑐᓗᒐᕐᓄᑦ 2009ᒥᓂᑦ.

ᐆᒪᔪᑦ ᐃᓯᒫᓗᓇᖅᑐᑦ

ᐆᒪᔪᓂᑦ ᐃᓯᒫᓗᓇᖅᑐᓂᑦ ᖃᐅᔨᓴᕐᓂᖃᔪᔪᑦ ᐊᑕᐅᑦᑎᒃᑯᑦ ᖃᐅᔨᓴᖅᑎᓪᓗᒋᑦ ᖃᖕᑕᓲᒃᑯᑦ ᑐᑦᑐᓂᑦ ᐊᒻᒪᓗ ᑎᒻᒥᐊᓂᑦ ᓂᕿᑐᖅᑎᓂᑦ ᖃᐅᔨᓴᖅᑎᓪᓗᒋᑦ. 2009ᒥᓂᑦ, ᐃᒪᐃᑦ ᑐᑐᐊᑦ ᑭᒡᒐᕕᐊᕐᔪᑦ ᓇᓄᐃᓪᓗ ᑎᑎᕋᖅᑕᐅᓯᒪᔪᑦ ᖃᐅᔨᓴᕐᕕᖕᒋᓂ. 2012ᒥ ᖃᐅᔨᓴᕐᓂᕐᒥ, ᐃᒪᐃᑦ ᑐᑐᐊᑦ ᑭᒡᒐᕕᐊᕐᔪᑦ ᑕᑯᔭᐅᓯᒪᔪᑦ. ᑭᓯᐊᓂᓕ, ᐄᐳᕈ 16, 2012ᖑᑎᓪᓗᒍ ᓄᑲᐅᕌᓗᒻᒥᒃ ᓇᓄᕐᒥᒃ ᑕᑯᔪᖃᔪᔪᖅ ᖃᓂᒋᔫᓂ ᓄᓇᒋᔭᐅᕙᑦᑑᑉ (Sunrise Camp) ᐊᒻᒪᓗ ᐅᖑᒪᔭᐅᔪᔪᖅ ᓄᓇᒋᔭᐅᕙᑦᑑᑉ ᖃᓂᒋᔫᓂᒍᓐᓃᖅᑎᑕᐅᓪᓗᓂ ᒪᕐᕈᓐᓄᒃ ᐃᓅᓐᓄᒃ ᐃᖅᑲᓇᐃᔭᖅᑏᓐᓄᒃ ᖃᒍᑕᐅᔭᒃᑯᑦ. 2009ᒥᓂᑦ, ᓇᓄᕐᓂᑦ ᑕᑯᓗᐊᖅᑦᑕᕐᓯᒪᙱᑦᑐᑦ ᕿᓪᒥᓯᕐᒥ ᓄᓇᒋᔭᐅᕙᑦᑐᓂᑦ.

ᓇᔪᒐᕆᔭᐅᔪᓂᑦ ᖃᐅᔨᓴᕐᓂᖅ

ᐱᔾᔪᑎᖃᖅᑐᑎᒃ ᓯᕗᓪᓕᕐᐹᒥ ᓇᔪᒐᕆᔭᐅᔪᓂᑦ ᖃᐅᔨᓴᓚᐅᕐᓯᒪᔪᑦ ᑎᑎᕋᕐᓯᒪᒍᒪᓪᓗᑎᒃ ᓇᔪᒐᕆᔭᐅᕙᑦᑐᑦ ᖃᓄᐃᑦᑑᒻᒪᖔᑦ ᑕᒪᓂ ᑐᔅᓯᕋᐅᑕᐅᓯᒪᔫᓂᒃ CH-6 ᐊᒻᒪᓗ CH-7 kimberlite ᓇᓂᓯᕕᐅᓯᒪᔫᓂᒃ (ᑕᑯᔅᓴᖅ 2). ᓄᓇᒥ ᖃᐅᔨᓴᕐᓂᖃᖅᑎᓪᓗᒋᑦ ᐱᓯᖃᑦᑕᔪᔪᑦ ᑎᑎᖃᕐᓯᒪᓂᐊᕐᖓᑕ ᑕᒫᓂ ᐱᕈᖅᑐᖏᑦ ᖃᓄᐃᑦᑑᒻᒪᖔᑕ, ᐆᒪᔪᖏᑦ ᖃᓄᐃᑦᑑᒻᒪᖔᑕ, ᐊᒻᒪᓗ ᐃᓯᒫᓗᓇᓗᐊᖅᑐᓂᑦ ᓇᔪᒐᐅᔪᓂᑦ ᖃᐅᔨᔭᐅᔪᓂᑦ. ᓄᓇ CH-6 ᐃᒪᐃᑦ ᑐᖃᐅᔪᔪᖅ ᐅᔭᖅᑲᑦ ᐱᕈᖅᑐᖃᒐᓛᕌᕐᔪᑐᐃᓐᓇᖅᑐᓂ 1%ᒥᒃ ᖄᖓ. ᓄᓇ CH-7 ᐃᓯᒪᒋᔭᐅᔪᔪᖅ ᐱᕈᖅᑐᖃᓗᐊᙱᐊᔅᓴᖓᓂᒃ ᖃᐃᕐᓯᓪᓗᓂ 2-10%ᒥᒃ ᐱᕈᖅᑐᓕᒃ. ᑖᒃᑯᐊ ᒪᕐᕈᒃ ᓄᓈᒃ ᐊᔾᔨᒌᑐᐃᓐᓇᐸᓗᔪᔫᒃ ᓂᒋᐊᓂ ᑲᒪᕕᐅᓪᓗᐊᑕᖅᑐᒥ. ᐊᕙᑎᑦ –ᐊᑕᐅᓯᕐᓗ ᐱᕈᖅᑐᑦ, ᐱᖅᓯᐅᑎᓪᓗᒋᑦ ᒪᑯ ᖃᓄᐃᑦᑐᑐᐃᓐᓇᐃᑦ ᖁᐊᔭᐅᑏᑦ, ᐃᔾᔪᐃᑦ, ᐃᕕᔅᓯᒐᐃᑦ ᑕᑯᔭᐅᔪᔪᑦ.

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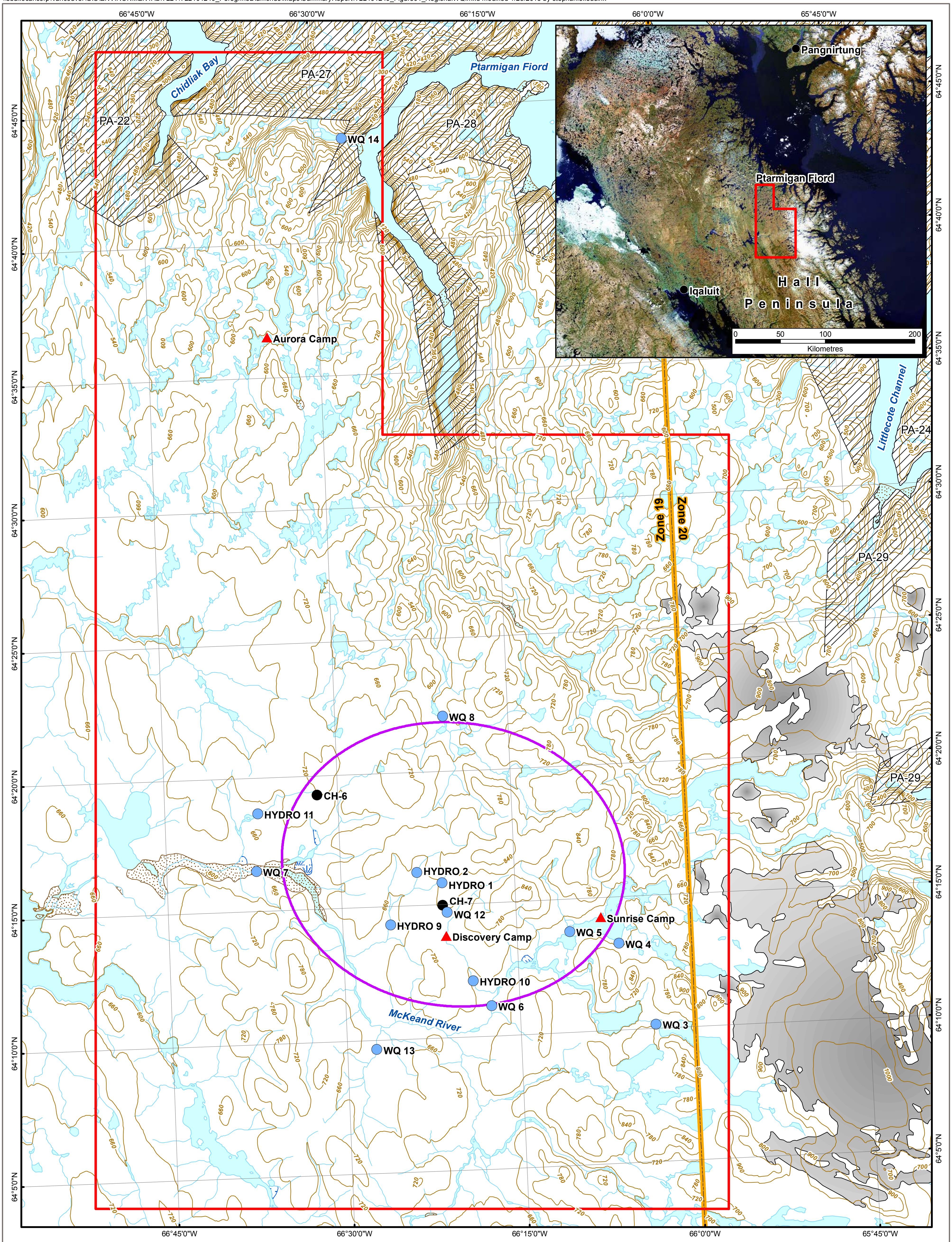

LEGEND

- Surface Water Quality Station
- Kimberlite Site (CH#)
- Camp Location
- 2012 Study Area
- Southern Focus Area
- Inuit-Owned Lands (IOLs)
- UTM Zone Boundary
- Contour (60 m)
- Watercourse
- Sand
- Permanent Snow and Ice
- Waterbody
- Wetland

N W E S

NOTES
Base data source: 1:250,000 NTS

STATUS
ISSUED FOR USE

CHIDLIAK BASELINE STUDIES 2012

Regional Map and Water Quality Sampling Location Summary

PROJECTION	DATUM	CLIENT
UTM Zone 19	NAD83	PEREGRINE DIAMONDS LTD.

Scale: 1:250,000
5 2.5 0 5
Kilometres

FILE NO.
Y22101249_Figure01_RegionalWQ.mxd

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PROJECT NO.	DWN	CKD	APVD	REV
Y22101249	SL	MEZ	KL	0

OFFICE	DATE
EBA-VANC	January 23, 2013

Figure 1

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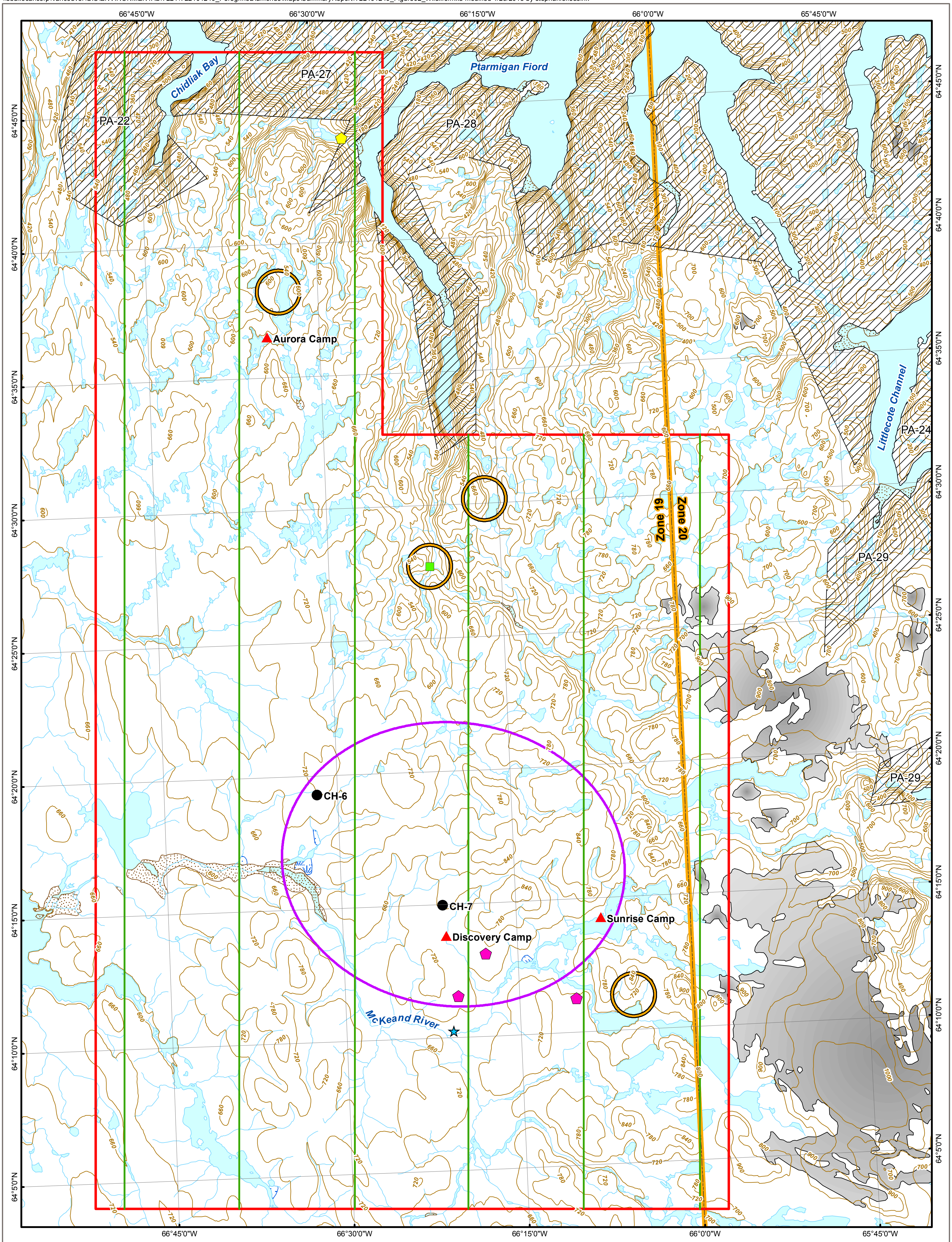

LEGEND

Caribou Observation
- Sign
- Visual

Raptor Observation
- Peregrine Falcon, Visual
- Rough-legged Hawk, Visual
- Raptor Sensitive Zone

- Kimberlite Site (CH#)
- Camp Location
- 2011 Caribou Survey Transects
- 2012 Study Area
- Southern Focus Area
- Inuit-Owned Lands (IOLs)
- UTM Zone Boundary

- Contour (60 m)
- Watercourse
- Sand
- Permanent Snow and Ice
- Waterbody
- Wetland

N
W E
S

CHIDLIAK BASELINE STUDIES 2012

Wildlife Observation Summary

PROJECTION	DATUM	CLIENT
UTM Zone 19	NAD83	PEREGRINE DIAMONDS LTD.

Scale: 1:250,000

5 2.5 0 5

Kilometres

FILE NO.
Y22101249_Figure02_Wildlife.mxd

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PROJECT NO.	DWN	CKD	APVD	REV
Y22101249	SL	MEZ	KL	0

OFFICE	DATE
EBA-VANC	January 23, 2013

Figure 2

NOTES
Base data source: 1:250,000 NTS

STATUS
ISSUED FOR USE