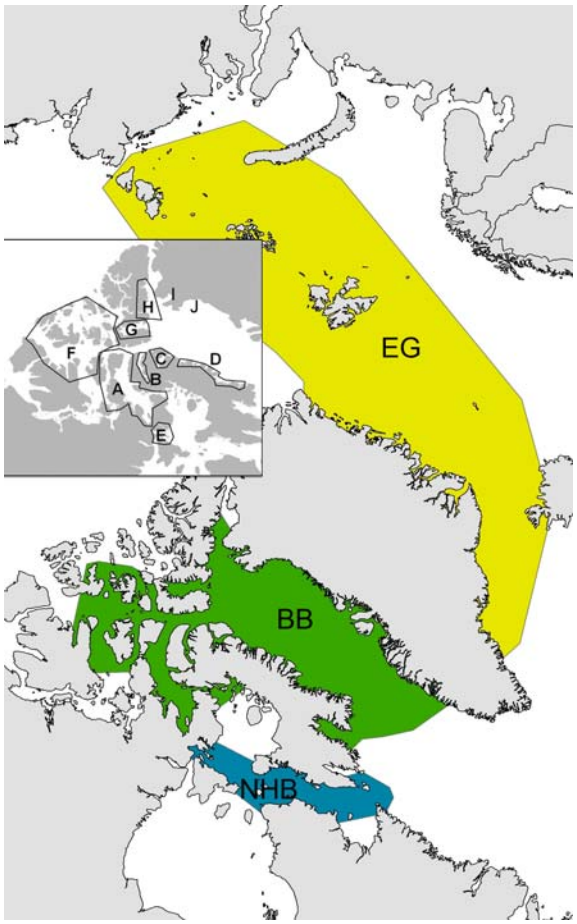
Fisheries and Oceans Canada | Pêches et Océans Canada
Science | Sciences

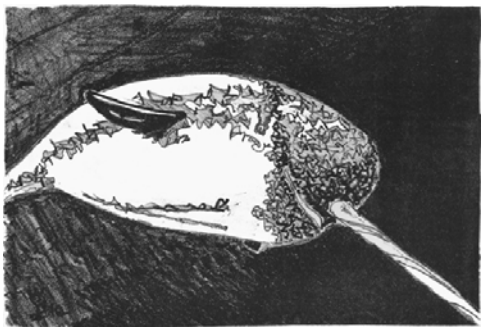
ᑭᒋᖅᐸᓯᐊᓂᓗ ᐅᑭᐅᖅᑕᖅᑐᐸᓗ ᐊᕕᒃᑐᖅᓯᒪᓂᖓ

ᑲᓇᑕᒥᐅᑦ ᖃᐅᔨᓴᖅᑏᑦ ᐅᖃᐅᔨᓯᒋᐊᖅᑏᑦ ᐃᖃᓇᐃᔭᕐᕕᖓᓐᓂᒃ
ᖃᐅᔨᓴᖅᑕᐅᓯᒪᔪᓂᒃ ᐅᖃᐅᔨᓯᒋᐊᕈᑏᑦ ᐅᓂᒃᑳᓕᐊᑦ 2011/021

ᐅᖃᐅᔨᓯᒋᐊᕈᒋᑦ ᐃᓚᒌᖕᓂᖕᒋᑦ ᖃᓄᐃᓕᖓᖕᒪᖕᒑᑕ ᑲᓇᑕᒥ ᐊᓪᓚᖑᐊᑦ (ᖃᓗᓈᑎᑐᑦ ᐆᒪᔪᓕᕆᓂᕐᒧᑦ *Monodon monoceros*)



ᐊᔾᔨᖑᐊᖅ 1. ᖃᓂᓈᖅᑕᐅᒋᐊᖅᓯᒪᓂᖕᒋᑦ ᓇᓃᖃᑦᑕᕐᓂᖕᒋᑦ ᐊᓪᓚᖑᐊᑦ ᐅᑭᐅᖅᑕᖅᑐᒥ, ᐱᖓᓱᓄᑦ ᐊᕕᒃᑐᖅᓯᒪᓪᓗᑎᒃ: ᕿᑭᖅᑖᓗᖕᒥ ᓴᓐᓂᕈᑎᐅᑉ ᐃᒪᖓᓂ ᐃᑭᖅᐸᓯᐅᔭᕐᒥ (BB, ᐅᖅᐱᒃᑲᖅᑎᑦ ᑲᓚᖃᖅᑐᖅ), ᐅᐊᖕᓇᖓᓂ ᐄᐊᑦᓴᓐ ᐲᑉ ᑕᓯᐅᔭᕐᔪᐊᑉ (NHB, ᑐᖑᔪᖅᑐᖅ), ᐊᒻᒪᓗ ᑲᓇᖕᓇᖅᐸᓯᐊᓂ ᑲᓚᓖᑦ ᓄᓈᑕ (EG, ᖁᖅᓱᖅᑐᖅ. ᐃᓗᓕᐊᓃᑦᑐᖅ ᓄᓇᖑᐊᖅ ᓴᕿᐅᒪᔪᖅᑲᖅᐳᖅ ᐊᐅᔭᒃᑯᑦ ᓇᔪᖅᐸᒃᑕᖕᒋᓐᓂᒃ ᐃᒪᕐᓂ ᑲᓇᑕᒥᓗ ᐱᖓᓇᖓᑕᓂ ᑲᓚᓖᑦ ᓄᓈᑕ: A - ᑰᒐᓇᔫᑉ ᓄᓇᖓᓂ ᐃᒪᕐᓂ B - ᓴᓐᓂᕈᑎᐅᑉ ᑐᓄᓂᕈᓯᐅᓪᓗ ᐃᒪᖓ, C - ᑕᓯᐅᔭᕐᔪᐊᖅ ᐃᓐᓈᓗᒃ ᑲᖕᖅᓱᐊᕐᔪᐊᓂ, D - ᑲᓇᖅᓇᖓᓂ ᕿᑭᖅᑖᓗᑉ, E - ᑕᓯᐅᔭᕐᔪᐊᑉ ᐄᐊᑦᓴᓐ ᐲᑉ ᐅᐊᖕᓇᖓᓂ. ᐊᓯᖕᒋᑦᑕᐅᖅ ᐃᒪᐃᑦ ᐊᓪᓚᖑᐊᕐᕕᐅᖃᑦᑕᕐᒥᔪᑦ ᖃᐅᔨᒪᔭᐅᔪᑦ ᐱᑕᖃᖃᑦᑕᕐᓂᖕᒋᑦ ᐊᐅᔭᒃᑯᑦ: F - ᑕᓪᓗᕈᑎᐅᑉ ᐃᒪᖓᓂ, G - ᑕᓯᐅᔭᕐᔪᐊᖅᒥ ᑕᓪᓗᕈᑎᑉ ᐅᐊᖕᓇᖓᓂ, H - ᐊᑯᑭᑦᑐᕐᒥᐅᓪᓗ ᕿᑭᖅᑖᓗᖕᒥᐅᓪᓗ ᐊᑯᓐᓂᖓᓂ ᑕᓯᐅᔭᕐᔪᐊᕐᒥ) I: ᐃᖑᓪᓘᐅᓪᑦ ᐳᕆᐊᑦᓂᖕ; J: ᒥᐊᓪᓘᐅᓪ Bᐃᒥ ᑕᓯᐅᔭᕐᔪᐊᖅ



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ᐃᓗᓕᖕᒋᓐᓂ:

ᐊᓪᓚᖑᐊᑦ (ᖃᓗᓈᑎᑐᑦ ᐆᒪᔪᓕᕆᓂᕐᒥᒃ *Monodon monoceros*) ᐱᒻᒪᕆᐊᓗᓪᓗᑎᒃ ᐃᓚᒋᔭᐅᕗᑦ ᑲᓇᖕᓇᖅᐸᓯᖕᒥᐅᑕᓂ ᐅᑭᐅᖅᑕᖅᑐᒥ ᐆᒪᔪᕆᔭᐅᔪᓂ, ᐊᒻᒪᓗ ᐃᓕᖅᓯᑐᖃᖕᒋᓐᓄᑦ ᐃᓅᔾᔪᑎᒃᓴᖕᒋᓐᓄᑦᓗ ᐱᒻᒪᕆᐅᓪᓗᓂ ᐃᓄᖕᓄᑦ. ᒫᓐᓇᓴᖅ ᖃᐅᔨᓴᖅᑕᐅᒐᒥᒃ ᐃᓱᒪᓇᖅᓯᔪᖅ ᐊᓪᓚᖑᐊᑦ ᐊᒃᑐᖅᑕᐅᓴᕋᐃᑦᑑᔪᓐᓇᕐᓂᖕᒋᓐᓂᒃ ᓇᔪᖅᑕᖕᒋᑦ ᐊᓯᔾᔨᖅᐸᑕ ᐊᒻᒪᓗ ᐊᖑᓇᓱᒃᑕᐅᖃᑦᑕᕐᓂᖕᒋᑦ ᐊᓯᔾᔨᖅᐸᑕ ᐱᔾᔪᑕᐅᓂᖕᒋᓐᓄᑦ ᓯᓚᕐᔪᐊᕐᒥ ᐆᓇᖅᓯᕙᓪᓕᐊᓂᖅ. ᑕᒪᒃᑯᐊ ᐊᒃᓱᕈᕐᓇᕈᑕᐅᕙᓪᓕᐊᔪᑦ ᐱᔾᔪᑕᐅᓪᓗᑎᒃ, ᐱᒻᒪᕆᐅᕗᖅ ᑕᐃᒪ ᐱᓕᕆᐊᕆᓪᓚᑦᑖᕐᓗᒋᑦ ᐅᖃᐅᓯᐅᓂᖕᒋᑦ ᐃᓄᖕᓄᑦ ᓱᕈᕐᓇᖅᑐᓗᐊᕆᔭᐅᕙᓪᓕᐊᔪᓄᑦ ᐊᒃᑐᖅᑕᐅᓯᒪᓂᖕᒋᑦ ᐊᒻᒪᓗ ᒫᓇᐅᔪᖅ ᑕᒪᓐᓇ ᐊᑐᖅᑕᐅᒍᓂ ᐱᐅᓂᖅᐹᖑᓇᓱᒋᔭᐅᔪᖅ ᐊᑑᑎᖃᕐᑎᐊᖅᑐᓂᒃ ᐊᖑᓇᓱᒃᑕᐅᖃᑦᑕᕐᓂᖕᒋᓐᓂᒃ ᐊᐅᓚᑦᑎᕙᓐᓂᖅ ᑐᕋᖓᓪᓗᓂ ᐊᐅᔭᒃᑯᑦ ᐃᒪᕐᓃᖃᑦᑕᕐᓂᖕᒋᓐᓂᒃᐃᓚᖓᖅᑕᐅᓗᐊᖃᑦᑕᕐᓂᐊᖕᒋᒻᒪᑕ. ᐃᓚᒋᖕᓂᕐᒥᓄᑦ ᐊᔾᔨᒌᖕᓂᖃᕐᒪᖕᒑᑕ ᐊᓪᓚᖑᐊᑦ ᑐᑭᓯᔭᐅᔭᕆᐊᖃᖅᐳᑦ ᑕᐃᒫᒃ ᐊᐅᓚᑦᑎᐅᔪᑦ ᖃᐅᔨᒪᓂᐊᕐᒪᑕ ᐊᐅᔭᒃᑯᑦ ᑎᑭᓯᒪᕙᒃᑐᑦ ᐊᖑᓇᓱᒻᒪᕐᑐᑦ ᖃᐅᔨᒪᕐᑕᖃᑦᑕᕐᓂᖕᒋᓐᓂᒃ (ᓇᑭᖕᒑᖅᓯᒪᖃᑦᑕᕐᓂᖕᒋᓐᓂᒃ) ᐊᒻᒪᓗ ᐅᖃᐅᓯᐅᖃᑦᑕᐅᑎᔪᓐᓇᕐᓗᓂ ᓄᓇᕗᒻᒥᐅᓄᑦ ᓄᓇᓕᖕᓄ ᑲᓇᑕᒥᐅᓂ ᐊᒻᒪᓗ ᑲᓛᓖᑦ ᓄᓈᖕᒐᓐᓂ.

ᐊᒥᓱᒐᓴᐃᑦ ᐊᑐᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᐱᓇᓱᐊᖅᑕᐅᓕᖅᐳᑦ ᐃᓕᑕᕆᔭᐅᔭᑎᒃᓴᖕᒋᓐᓂᑦ ᐊᓪᓚᖑᐊᑦ ᐃᓚᒋᖕᓂᖕᒋᑦ ᐊᒻᒪᓗ ᓇᓗᓇᐃᖅᑎᖅᑕᐅᓗᑎᒃ ᐊᖑᔭᐅᓯᒪᔪᑦ ᐊᖑᓇᓱᒃᑎᓄᑦ ᐊᓪᓚᖑᐊᑦ ᓇᑭᖕᒑᖅᓯᒪᓂᖕᒋᓐᓂᒃ ᐃᓚᒋᒃᑐᓂᒃ, ᐊᒻᒪᓗ ᓇᓗᓇᐃᖅᑕᐅᓗᑎᒃ ᓱᕈᕐᓇᖅᑐᖃᖅᑎᒋᓂᖕᒋᑦ ᑎᒥᖕᒋᓐᓂᒃ, ᐅᖅᓱᖕᒋᓐᓂ ᐆᑕᕐᓇᖅᑐᖃᖅᑎᒋᓂᖕᒋᓐᓂᒃ ᐋᓱᑦᒥᒃ ᐊᒻᒪᓗ ᐊᐅᖓᓂ ᐃᓕᑕᕐᓇᕈᑎᖃᖅᑭᖕᒋᓐᓂᒃ. ᑖᒃᑯᐊ ᑎᑎᕋᖅᓯᒪᔪᑦ ᓇᐃᓈᓇᓱᒪᕙᑦ ᓴᕿᓚᕿᓯᒪᔪᓂᒃ ᖃᐅᔨᓴᖅᑕᐅᓚᐅᖅᑐᓂᒃ ᐱᒋᐊᖅᑎᑕᐅᓚᐅᖅᑐᓂᒃ ᐃᓕᑕᕆᔭᐅᔪᓐᓇᕐᓂᐊᕐᒪᑕ ᓇᑭᖕᒑᕐᓂᖕᒋᑦ ᐊᓪᓚᖑᐊᑦ, ᐊᑐᖅᑕᐅᓗᑎᒃ ᐃᖕᒥᓂᒃ ᓇᓗᓇᐃᒃᑯᑕᖕᒋᑦ ᐃᓚᒋᖕᓂᖕᒋᓐᓂ ᐊᐅᓚᑕᐅᓂᖕᒋᓐᓄᑦᓗ ᑕᒪᒃᑯᐊ.

Canada

ᓇᐃᓈᖅᑕᐅᓯᒪᓪᓗᑎᒃ

- ᐊᓪᓚᖑᐊᓂᒃ ᖃᐅᔨᓴᒐᒃᓴᐃᑦ ᐲᖅᑕᐅᓯᓚᐅᖅᑐᑦ ᑎᒥᖕᒋᓐᓂᒃ ᑲᓇᑕᒥ ᑲᓇᖕᓇᖅᐸᓯᐊᓂᒃ ᐊᒻᒪᓗ ᐱᖓᖕᓇᖅᐸᓯᐊᓂᒃ ᑲᓛᓐᑦ ᓄᓈᓐᓂᒃ ᐊᑯᑭᑦᑐᕐᒥᐅᓂᒃ ᐊᐅᖕᒥᒍᑦ ᖃᐅᔨᓴᖅᑕᐅᓚᐅᖅᑐᑦ ᐃᓕᑕᕆᔭᐅᓯᒪᓪᓗᑎᒃ 16-ᖑᔪᑦ ᐃᓗᐊᓃᑦᑐᑦ ᑕᐃᒃᑯᐊᓴᐃᓐᓇᐅᖃᑦᑕᖅᑐᑦ ᐊᔾᔨᒌᑦ ᓇᓗᓇᐃᒃᑯᑕᖕᒋᑦ.

- ᐱᐅᓯᑐᖃᖅᑎᒍᑦ ᖃᐅᔨᓴᖅᑕᐅᖃᑦᑕᖅᓯᒪᓂᖕᒋᓐᓂᒃ ᐆᒃᑐᕋᖅᑕᐅᓯᒪᕙᒃᐳᑦ ᐊᐅᖕᒥᓂᒃ ᐃᓕᒌᖕᓂᖕᒋᓐᓂᒃ ᐊᔾᔨᒌᒍᑎᖕᒋᑦ ᐊᔾᔨᒌᖕᒋᔾᔪᑎᖕᒋᓪᓗ (F_{ST}) ᐊᓪᓚᖑᐊᖑᔪᓂ, ᖃᐅᔨᔭᐅᓚᐅᖅᑐᑦ ᓴᓇᒪᓂᖕᒋᑦ ᐃᓚᒋᖕᓂᖕᒋᓂᓗ ᐊᔾᔨᒌᖕᒋᑦᑐᑦ ᐱᖓᓯᓂᒃ ᐊᕕᒃᑐᖅᓯᒪᔪᓂ ᓇᔪᖅᐸᒃᑕᖕᒋᓐᓂᒃ (ᓴᓐᓂᕈᑎᐅᑉ ᐃᒪᖓᓂ ᐃᑭᖅᐸᓯᐅᔭᕐᒥ, ᐅᐊᖕᓇᖓᓂ ᐊᐊᑦᓴᓐ ᐲᑉ ᑕᓯᐅᔭᕐᔪᐊᕐᒥ ᐊᒻᒪᓗ ᑲᓇᖕᓇᖅᐸᓯᐊᓂ ᑲᓚᓐᑦ ᓄᓈᖓᓐᓂ).

- ᐊᐅᖕᒥᒍᑦ ᐊᐅᑲᑎᒌᖕᒋᓐᓂᖕᒋᑦ ᓇᓗᓇᕈᓐᓃᓚᐅᖅᑐᑦ ᐊᓪᓚᖑᐊᓂᒃ ᑕᓯᐅᔭᕐᔪᐊᕐᒥ ᑕᓪᓗᕈᑎᑉ ᐅᐊᖕᓇᖓᓂᓲᓂᒃ (Jones Sound-ᒥᒃ) ᑖᒃᑯᐊ ᐃᓚᒋᖕᒋᑦᑕᖕᒋᑦ ᑰᒐᓇᔫᑉ ᓄᓇᖓᑕ ᐃᒪᖕᒋᓐᓃᓯᓂ ᐊᐅᔭᒃᑯᑦ.

- ᐊᓯᖕᒋᓐᓂᒃ ᐱᒻᒪᕆᐅᔪᓂᒃ ᐊᔾᔨᒌᖕᒋᓐᓂᖃᓗᐊᖕᒋᑦᑐᑦ ᐅᔾᔨᕆᔭᐅᓚᐅᖅᑐᓂ, ᑭᓯᐊᓂ, ᐊᒥᓱᒐᓴᐃᑦ ᖃᐅᔨᓴᒐᒃᓴᓕᐊᖑᓂᖕᒋᓐᓄᑦ ᐃᓱᒪᔫᑕᐅᓚᐅᕐᓂᖕᒋᑦ ᐊᔪᕐᓇᕈᑕᐅᓚᐅᖅᑐᑦ ᒫᓐᓇᐅᔪᖅ ᐊᐅᔭᒃᑯᑦ ᐱᑕᖃᖅᐸᒃᑐᓂ ᐊᔾᔨᒌᖕᒋᓐᓂᖕᒋᓐᓂᒃ ᖃᐅᔨᔪᓐᓇᕐᓂᖅ.

- ᐊᐅᖃᑎᒌᖕᒋᒻᒪᖕᒐᑕ ᐃᓕᑕᕆᔭᐅᓂᖕᒋᑦ ᐊᓪᓚᖑᐊᑦ ᐊᒻᒪᓗ ᐊᑐᖅᑕᐅᓪᓗᓂ ᓄᑖᑦ ᐊᔾᔨᒌᖕᒋᓐᓂᖕᒋᓐᓂᒃ ᖃᐅᔨᒪᔪᑏᑦ ᐱᕙᓪᓕᕈᑕᐅᔪᒥᓇᖅᑐᑦ ᐃᓚᒋᖕᓂᖕᒋᑦ ᐃᓚᒋᖕᒋᓐᓂᖕᒋᓐᓂᒡᓗ ᖃᐅᔨᑦᑎᐊᕈᓐᓇᕐᓂᖅ ᑭᓯᐊᓂ ᐊᐅᔭᐅᓂᕐᒥ ᐅᐸᖃᑦᑕᕐᓗᒋᑦ ᐆᒃᑐᕋᒐᒃᓴᖅᑖᒃᑲᓐᓂᕆᐊᖃᕋᔭᖅᑐᑦ.

ᓯᕗᓪᓕᖅᐹᒥᒃ ᐅᖃᐅᓯᒃᓴᐃᑦ

ᐊᓪᓚᖑᐊᑦ (ᖃᓗᓈᑎᑐᑦ ᐆᒪᔪᓕᕆᓂᕐᒧᑦ *Monodon monoceros*) ᖃᑎᖅᐸᓯᐊᓂᓐᓂᕋᖅᑕᐅᔪᒥᒃ ᐊᖕᒋᓂᖃᖅᐳᑦ ᑐᒐᓖᑦ ᖃᓇᓗᒐᐃᑦ ᐅᑭᐅᖅᑕᑑᑉ ᑕᕆᐅᖕᒐᓂᕐᒥᐅᑕᐃᑦ ᐅᑭᐅᖅᑕᖅᑑᑉ ᐅᕙᓗᐊᑕ ᖁᓛᓂ ᐅᕙᓂ 60ºN.. ᑖᒃᑯᐊ ᐃᓕᑕᕆᔭᐅᒻᒪᕆᒃᐸᒃᑐᑦ ᐆᒪᔪᐃᑦ ᐱᒻᒪᕆᐅᓪᓗᑎᒃ ᓂᕿᒋᔭᐅᕙᒃᐳᑦ ᐃᓄᐃᑦ ᓄᓇᖕᒋᓐᓂ ᐊᕐᕋᒍᑕᒫᖅ, ᐃᓅᔫᔪᑎᒃᓴᐅᖃᑕᐅᕙᒃᑐᑦ ᐊᒻᒪᓗ ᐃᓕᖅᑯᓯᑐᖃᖕᒋᓐᓄᑦ ᐊᑕᔪᒻᒪᕆᐅᓪᓗᑎᒃ ᑭᓇᐅᓂᖕᒋᓐᓄᑦ. ᐊᓪᓚᖑᐊᑦ ᐅᓗᕆᐊᓇᖅᑐᒥᑉᐸᓪᓕᐊᑐᐃᓐᓇᕆᐊᖃᖅᑐᑦ ᑐᕐᑯᕋᖅᐸᓪᓕᐊᔪᓐᓇᕐᓂᖕᒋᓐᓄᑦ ᓯᓚᐅᑉ ᐊᓯᔾᔨᖅᐸᓪᓕᐊᓂᖕᒐᓄᑦ. ᐱᓗᐊᖅᑐᒥᒃ, ᐃᓱᒪᒋᔭᐅᓯᒪᓕᖅᑐᖅ ᐊᓪᓚᖑᐊᑦ ᐅᓗᕆᐊᓇᖅᑐᒦᓕᕈᓐᓇᕐᓂᖕᒋᓐᓄᑦ ᓯᑯᒥ ᐊᔪᖅᓯᓯᒪᖃᑦᑕᕐᓂᕐᒧᑦ (ᓲᕐᓗ ᐊᓪᓚᖑᐊᑦ ᒪᑐᐃᖓᔪᒧᐊᕈᓐᓇᐃᓕᓪᓗᑎᒃ ᐃᒪᕐᒧᑦ ᐊᔪᓕᖅᓯᒪᖕᒋᓐᓄᑦ ᓯᑯᑉ ᐊᑖᓂ ᐅᕝᕙᓗᓐᓃᑦ ᓯᑯᕙᓪᓕᐅᕙᐅᓂᕐᒥᒃ), ᓯᑯᕙᓪᓕᐊᕙᒃᑐᑐᖃᐃᑦ ᓯᑯᕙᓪᓕᐊᕙᖕᓂᖕᒋᑦ ᓇᓗᓇᖅᓯᕙᓪᓕᐊᑐᐃᓐᓇᕈᑎᒃ. ᐊᒃᓱᕈᕐᓇᖅᑐᒃᑰᖅᐸᓪᓕᐊᑐᐃᓐᓇᖅᑐᔾᕐᒥᔪᑦ ᓂᕆᔭᐅᖃᑦᑕᕐᓂᖕᒋᓐᓄᑦ ᐋᕐᓗᕐᓄᑦ (ᖃᓗᓈᑎᑐᑦ ᐆᒪᔪᓕᕆᓂᕐᒧᑦ *Orcinus orca)* ᐊᓯᔾᔨᖅᐸᓪᓕᐊᓂᖕᒋᓄᑦᓗ ᐱᔭᐅᖃᑦᑕᕐᓂᖕᒋᑦ ᐊᒻᒪᓗ ᖃᓄᑎᒋ ᐱᔭᐅᖃᑦᑕᕐᓂᖕᒋᑦ. ᑕᐃᒪᐃᓐᓂᖓᓄᑦ, ᐱᒻᒪᕆᐅᕗᖅ ᑐᑭᓯᐅᒪᓂᖅ ᐱᑕᖃᖅᑎᒋᓂᖕᒋᑦ ᐃᒪᕐ ᑕᒃᑯᐊ ᐆᒪᔪᐃᑦ ᐊᒻᒪᓗ ᐊᑐᕐᓗᒋᑦ ᑕᐃᒃᑯᐊ ᖃᐅᔨᒪᔪᑏᑦ ᐊᐅᓚᑕᐅᑦᑎᐊᕐᓂᐊᕐᒪᑕ ᐱᒻᒪᕆᐅᔪᑦ ᑖᒃᑯᐊ ᐃᒪᕐᒥᐅᑕᐃᑦ.

ᐊᓪᓚᖑᐊᓂ, ᐊᒥᓱᒐᓴᖕᓂᒃ ᖁᓕᓈᓕᖕᒐᔪᔭᖅᑐᖃᖅᐳᖅ ᐊᒥᓲᓂᖕᒋᓐᓂᒃ, ᑐᖕᒐᕕᐅᓪᓗᑎᒃ ᓇᓃᖃᑦᑕᕐᓂᖕᒋᑦ ᐃᒪᕐᒥ ᐊᕐᕋᒍᑕᒫᖅ ᑎᑭᑉᐸᓪᓕᐊᓂᖕᒋᓐᓂᒃ. ᐆᒃᑐᕋᐅᑎᓕᐊᓇᕐᐅᓯᒪᔪᓂ ᖃᐅᔨᓴᖅᑕᐅᓯᒪᒻᒪᕆᖕᒋᒃᑲᓗᐊᖅᑐᓂᒃ, ᐊᒻᒪᓗ ᑕᐅᑐᒃᑕᐅᖃᑦᑕᖅᓯᒪᔪᓂᒃ ᖃᐅᔨᔭᐅᓂᑰᔪᓂᒃ, ᓇᓴᖅᑕᐅᓯᒪᓂᖕᒋᓐᓂᒃ ᐊᒻᒪᓗ ᐃᓕᓯᕕᐅᖃᑦᑕᕐᓂᖕᒋᓐᓂᒃ ᖃᐅᔨᓴᖅᑕᐅᓯᒪᔪᓂᒃ ᑐᑭᓯᓇᖅᓯᓯᒪᔪᑦ ᐱᖓᓲᓂᖕᒋᓐᓂᒃ ᐃᓚᒌᒃᑐᑦ ᐃᒪᕐᓃᑉᐸᑦᑐᑦ (ᑕᑯᑎᑦᑎᔾᔪᑦ 1-ᒥ). ᑖᒃᑯᐊ ᐱᖓᓱᒃ ᐊᕕᒃᑐᖅᓯᒪᔪᑦ ᐊᐅᓚᒐᔪᒃᐳᑦ ᒫᐅᓇ: 1) Stait ᐅᐊᖕᓇᖓᓂ ᐊᐊᓐ ᐱᑉ ᑕᓯᐅᔭᕐᔪᐊᖓᓂ ᐊᒻᒪᓗ ᐃᑭᕋᓴᖓᓂ; 2) ᓴᓐᓂᕈᑎᐅᑉ ᐃᒪᖓ ᐊᑭᖅᐸᓯᐅᔭᖅᒥ ᐊᒻᒪᓗ ᖁᑦᑎᒃᑐᕐᒥᐅᓂ ᐅᑭᐅᖅᑕᖅᑐᒥ; ᐊᒻᒪᓗ 3) ᑲᓇᖕᓇᖅᐸᓯᐊᓂ ᐊᑯᑭᑦᑐᐃᑦ (ᑲᓚᓐᑦ ᓄᓈᑕ) ᐊᒻᒪᓗ ᐊᑯᑭᑦᑐᕐᒥᐅᑦ ᑕᕆᐅᖓᓂ. ᖃᑐᖕᒋᐅᖅᑎᖕᒋᓂᒃ ᐊᐅᖃᑎᒌᖕᓂᖕᒋᓐᓂᒃ ᖃᐅᔨᓴᖅᑕᐅᓂᖕᒋᑦ ᐊᕕᒃᑐᖅᓯᒪᔪᓂᒃ ᑐᑭᓯᓇᕐᒥᔪᑦ ᐃᖕᒥᒃᑰᕐᓂᖕᒋᓐᓂᒃ ᐃᓚᖃᖕᒋᓐᓂᖕᒋᓐᓂᒃ ᑲᓇᖕᓇᖅᐸᓯᖕᒥᐅᑕᐃᑦ ᐊᑯᑭᑦᑐᕐᒥᐅᓂ ᐊᓪᓚᖑᐊᑦ, ᑕᐃᒃᑯᓇᖓᑦ ᐱᖓᓇᖅᐸᓯᐊᓂᒃ ᐊᑯᑭᑦᑐᕐᒥᐅᑦ ᐊᒻᒪᓗ ᑲᓇᑕᒥ

ᐊᓪᓚᖑᐊᓂᒃ, ᐊᒻᒪᓗ ᐃᓚᒋᖕᒋᒃᑭᓪᓗᑎᒃ ᐅᐊᖕᓇᖅᐸᓯᐊᓂᒃ ᐄᐊᑦᓴᓐ ᐊᒥᓲᑦ ᑕᐃᒃᑯᓇᖓᑦ ᓴᓐᓂᕈᑎᐅᑉ ᐃᒪᖓᓂᓲᓂᒃ.

ᒥᑭᓐᓂᖅᓴᐃᑦ ᐃᓗᐊᓂ ᐊᕕᒃᑐᖅᓯᒪᔪᓂ ᓇᔪᖅᐸᒃᑕᖏᓐᓂ, ᑕᐃᒃᑯᐊ ᓴᓐᓂᕈᑎᐅᑉ ᐃᑭᖅᐸᓯᐅᔭᖓᓃᑦᑐᑦ ᐊᓪᓚᖑᐊᑦ ᐊᕕᒃᑐᖅᓯᒪᖕᒥᔪᑦ ᐊᒥᓱᒐᓴᖕᓄᑦ ᐃᓚᒋᒃᑐᓄᑦ, ᑐᖓᕕᐅᓪᓗᑎᒃ ᐃᓕᑕᕆᔭᐅᖃᑦᑕᖅᓯᒪᓂᖏᑦ ᐊᐅᔭᒃᑯᑦ ᓇᓃᑉᐸᓐᓂᖏᑦ ᐊᓪᓚᖑᐊᑦ. ᓄᑖᖅ ᑕᒪᓐᓇ ᐅᖃᐅᓯᖅ ᖃᓗᓈᑎᑐᑦ 'stock' 'ᐱᑕᖃᖅᓂᕋᐃᓂᖅ' ᐅᖃᐅᓯᖃᑐᐃᓐᓇᖅᐳᖅ ᐱᓗᐊᖅᑐᒥᒃ ᑕᐃᒃᑯᓂᖓ ᐃᒪᖅᓂᒃ ᑲᑎᖓᔭᐅᖃᑦᑕᖏᑦᑐᓂᒃ ᐊᓪᓚᖑᐊᓂᒃ, ᐊᖑᓇᓱᒃᑕᐅᕙᒃᑐᓂᒃ, ᑕᒃᑯᐊ ᐃᓛᖏᑦ ᐃᓚᒋᔭᐅᒻᒪᕆᒍᓐᓇᕆᓪᓗᑎᒃ ᐅᕝᕙᓗᓐᓃᑦ ᐃᓚᒋᔭᐅᖏᑦᑎᐊᒻᒪᕆᒍᓇᖃᑦᑕᖅᓯᑎᒃ ᐊᐅᖃᑎᒋᒃᑐᓄᑦ (ᐊᓯᖏᓐᓄᑦ ᐊᓪᓚᖑᐊᓄᑦ). ᑕᓪᓕᒪᐃᑦ ᐱᑕᖃᖅᐸᖕᓂᖏᑦ ᐃᓕᑕᕆᔭᐅᓯᒪᓕᖅᐳᑦ ᑲᓇᑕᐅᑉ ᐅᑭᐅᖅᑕᖅᑐᖓᓃᑉᑐᓂᒃ, ᐊᒻᒪᓗ ᐱᖓᓱᓪᓗᑎᒃ ᓇᓚᐅᑦᑖᖅᑕᐅᓯᒪᔪᑦ ᐱᑕᖃᕐᒥᔪᑦ ᖁᑦᑎᒃᑐᕐᒥᐅᓂ (ᑕᓪᓗᕈᑎᐅᑉ ᐃᒪᖓᓂ ᑭᓪᓕᓂᕐᒥ, ᑕᓯᐅᔭᕐᔪᐊᖅ, ᑕᓪᓗᕈᑎᑉ ᐅᐊᖕᓇᖓᓂ, ᐊᒻᒪᓗ ᐊᑯᑭᑦᑐᐃᓪᓗ ᕿᑭᖅᑖᔫᑉᓗ ᑕᓯᐅᔭᕐᔪᐊᖓᓂ) (DFO ᐃᖃᓗᓕᕆᔨᕐᔪᐊᒃᑯᓐᓂᒃ, 2010), ᐊᒻᒪᓗ ᒪᕐᕉᒃ ᐱᑕᖃᖅᐸᒃᑑᒃ ᐃᓕᑕᕆᔭᐅᓯᒪᒋᓪᓗᑎᒃ ᑕᒫᓂ ᐅᐊᖕᓇᖅᐸᓯᐊᑕ ᐱᖓᖕᓇᖓ ᐊᑯᑭᑦᑐᖅ. (ᑕᑯᑎᑦᑎᔾᔪᑦ 1 ᐃᓗᐊᓂ ᐊᔾᔨᖑᐊᒃᑲᓐᓂᖅ). ᑖᒃᑯᐊ ᐱᑕᖃᕐᓂᖏᑦ . ᓇᓃᖃᑦᑕᕐᓂᖏᑦ ᖃᐅᔨᒪᔭᐅᒐᓗᐊᖅᓯᑎᒃ ᐊᑐᖅᑕᐅᖕᒋᑎᓪᓗᒋᑦ ᐊᐅᖃᑎᒌᒍᓐᓇᕐᓂᖕᒋᓐᓂᒃ ᖃᐅᔨᒪᔾᔪᑏᑦ, ᐊᐅᖕᒋᖅᑕᐅᓯᒪᓪᓗᑎᒃ ᐃᓚᒋᖕᓂᖏᑦ ᖃᐅᔨᓴᕈᑏᑦ ᐃᑲᔫᑕᐅᓯᒪᔪᑦ ᐃᓚᖏᓐᓂᒃ ᐃᓚᒋᖕᓂᖏᓐᓂᒃ. ᓱᕐᓗ ᐆᒃᑑᑎᒋᓗᒍ, de March ᑎᒫᔾᔨᒧᑦ ᐃᓚᖏᓐᓄᓪᓗ (2003) ᑕᑯᔭᐅᖃᑦᑕᓚᐅᖅᑐᑦ ᓇᓗᓇᕈᓐᓃᖅᑐᔭᕈᑏᑦ ᐊᔾᔨᒌᖏᓐᓂᖏᓐᓂᒃ ᐃᓚᒋᔅᓱᑎᒃ ᐊᐅᓱᐃᑦᑐᖅᒥᓲᑦ (ᑕᓯᐅᔭᕐᔪᐊᕐᒥ ᑕᓪᓗᕈᑎᑉ ᐅᐊᖕᓇᖓᓂ) ᐊᒻᒪᓗ ᐊᓯᖏᓐᑦ ᕿᑭᖅᑕᓗᑉ ᓴᓐᓂᕈᑎᐅᑉ ᐃᑭᖅᐸᓯᐊᓃᑦᑐᓂᒃ.

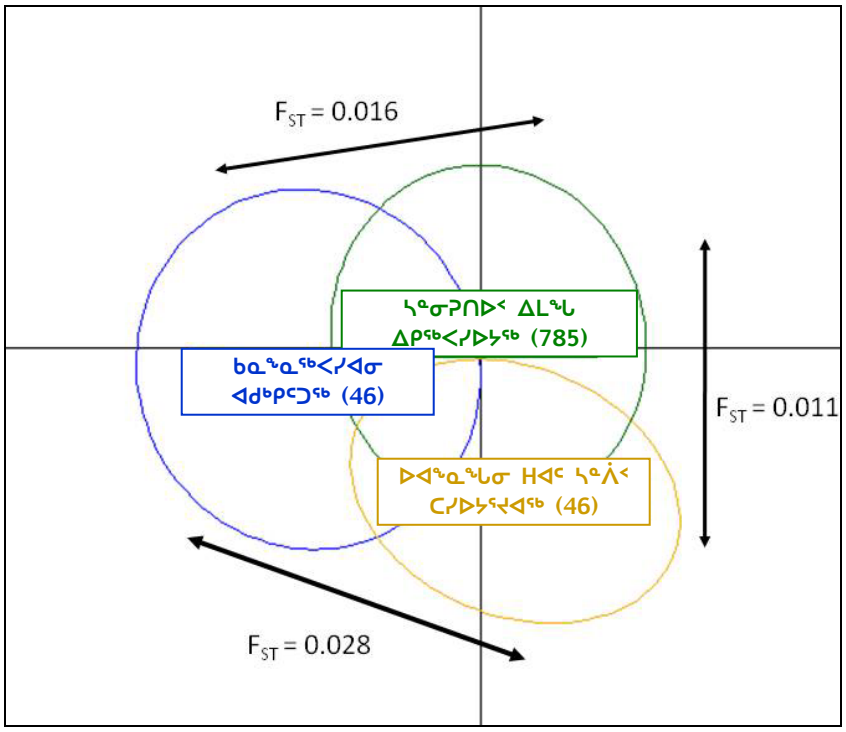
ᐊᐅᖏᖅᑕᐅᓪᓗᑎᒃ ᐊᐅᖃᑎᒌᖕᒪᖔᑕ ᐊᑐᖅᑕᐅᓯᒪᔪᑦ ᑐᑭᓯᕚᓪᓕᕈᑕᐅᓪᓗᑎᒃ ᐊᒥᓲᓂᖏᓐᓂᒃ ᐊᒻᒪᓗ ᖃᓄᐃᓕᖓᓂᖏᓐᓂᒃ ᐊᒥᓱᒐᓴᐃᑦ ᑕᕆᐅᕐᒥᐅᑕᐃᑦ ᐊᕐᕕᓪᓗ ᕿᓇᓗᒐᐃᓪᓗ, ᐱᓗᐊᖅᑐᒥᒃ ᑕᐃᒃᑯᐊ ᖃᐅᓪᓗᖅᑐᑦ ᕿᓇᓗᒐᐃᑦ ᐊᒻᒪᓗ ᐋᕐᓗᐃᑦ.

ᖃᐅᔨᓴᖅᑕᐅᓂᖏᑦ

ᐊᐅᖏᖅᑕᐅᓪᓗᑎᒃ ᐊᐅᖃᑎᒌ(ᖏ)ᓂᖏᓐᓂᒃ ᖃᐅᔨᓴᖅᐅᓚᐅᖅᑐᑦ 877 ᐊᓪᓚᖑᐊᑦ, ᐱᔭᐅᓯᒪᔪᓂᒃ ᑲᓇᖕᓇᖅᐸᓯᐊᓂᒃ ᑲᓇᑕᐅᑉ ᐅᑭᐅᖅᑕᖅᑐᖓᓂᒃ ᐊᒻᒪᓗ ᐊᑯᒃᑭᑦᑐᕐᒥᐅᓂᒃ ᐊᕐᕋᒍᓂᒃ 1982-ᒥᒃ 2009-ᒧᑦ, 12-ᖑᔪᓂᒃ ᐊᐅᖓᓂᖃᑦᑕᖅᑐᓂ ᓇᓗᓇᐃᒃᑯᑕᕆᔭᐅᓲᖑᔪᓂ ᑕᑯᓂᐊᖅᑕᐅᓯᒪᓪᓗᑎᒃ. ᐱᑕᖃᖃᑦᑕᕐᓂᖏᓐᓂᒃ ᐊᒥᓲᓂᖏᓐᓂᒃ ᖃᐅᔨᓴᖅᑕᐅᓂᖏᓐᓂᒃ, ᑕᒪᓐᓇ ᖃᐅᔨᒪᔾᔪᑎᒋᔭᐅᕙᖕᓂᖅ ᒥᑭᒡᓕᑎᖅᑕᐅᓚᐅᕐᒥᔪᖅ ᑕᐃᒃᑯᐊ ᑭᓯᐊᓂ ᐆᒪᔪᐃᑦ ᐊᐅᔭᒃᑯᑦ ᑎᑭᓯᔪᓂᖓᖅᑐᐃᓐᓇᐃᑦ ᐊᑐᖅᑕᐅᓚᐅᕐᒪᑕ ᐊᐅᖏᔭᖅᑕᐅᓯᒪᓂᖏᑦ; ᑕᐃᒪᐃᓐᓂᖏᓐᓄᑦ ᑐᑭᑖᓚᐅᖅᑐᑦ 268-ᖑᓂᖑᖏᓐᓂᒃ ᐊᑐᓂ ᐊᓪᓚᖑᐊᑦ.. ᓱᓕᔫᑦᑎᐊᕐᑯᓪᓗᒋᑦ ᐱᐅᔫᓂᖏᑦ ᑖᒃᑯᐊ ᖃᐅᔨᒪᔾᔪᑏᑦ, ᖃᓂᒋᔭᖏᓐᓃᓚᐅᖅᑐᑦ 10 ᐳᓴᓐᑏᑦ ᐄᖅᓯᕙᐅᓯᒪᓪᓚᑦᑖᓚᐅᖅᑐᑦ ᐊᒻᒪᓗ ᐊᐅᖕᒥᒍᑦ ᐃᓕᑕᕆᔭᐅᔾᔪᑎᖏᑦ ᐃᔾᔪᐊᖅᑕᐅᓯᒪᓪᓗᑎᒃ ᐊᔾᔨᓕᐅᖅᑕᐅᓚᐅᖅᑐᑦ ᐊᒥᓲᓇᖅᑕᐅᓯᒪᓪᓗᑎᒃ. ᐊᒻᒪᑕᐅᖅ, ᐊᑐᓂ ᐄᖅᓯᕙᐅᓯᒪᔪᕕᓃᑦ ᐃᓚᖃᓚᐅᖅᑐᑦ ᐊᐅᓚᑕᐅᑦᑎᐊᕐᓂᖏᓐᓂᒃ ᒪᕐᕉᖕᓂᒃ ᐊᓪᓚᖑᐊᕐᓂᒃ.

ᐊᒥᓲᓂᖏᓐᓂᒃ ᐊᔾᔨᒌᖏᓐᓂᖅᓯᐅᕐᓂᖅ

ᐱᒻᒪᕆᐅᔪᓂᒃ ᐃᓚᒌ(ᖏ)ᓂᖏᑦ ᖃᐅᔨᔭᐅᓚᐅᖅᑐᑦ ᑕᒪᕐᒥᒃ ᐊᓪᓚᖑᐊᓖᑦ ᐊᔾᔨᒌᖏᓐᓂᖅᐸᖑᓪᓗᑎᒃ ᑕᐃᒃᑯᐊ ᐄᐊᑦᓴᓐᐄᑉ ᐅᐊᖕᓇᖓᓃᑦᑐᑦ ᐊᒻᒪᓗ ᑲᓇᖕᓇᖅᐸᓯᐊᓂᖕᒐᖓᖅᑐᖅ ᐊᑯᑭᑦᑐᕐᓂᒃ. (ᑕᑯᑎᑦᑎᔾᔪᑦ 2). ᐃᒪᕐᒥᓂᖕᒐᖅᑐᑦ ᐊᕕᒃᑐᖅᓯᒪᔪᓂᒃ ᖃᐅᔨᓴᖅᑕᐅᓚᐅᖅᑐᓂᒃ (ᖃᓗᓈᑎᑐᑦ PCA) ᐃᓱᒪᓇᖅᑐᑦ ᐃᓚᖏᓐᓂᒃ ᖁᓕᓈᓕᖅᓯᒪᓂᖏᓐᓂᒃ ᐃᓚᒋᖕᓂᒃᑯᑦ ᑕᒪᐃᓐᓂ ᐊᓪᓚᖑᐊᕐᕕᐅᔪᓂ (ᑕᑯᑎᑦᑎᔾᔪᑦ 2-ᒥ).



ᑕᑯᑎᑦᑎᔾᔪᑦ 2. ᑕᑯᖑᐊᕐᓗᒋᑦ ᐊᐅᖃᑎᒌᖕᒋᓐᓂᖕᒋᑦ ᐃᓚᒋᖕᒋᓐᓂᖕᒋᖕᒋᑦ ᐊᓪᓚᖑᐊᑦ ᐊᕕᒃᑐᖅᓯᒪᔪᓂᒃ ᐊᑕᖅᐅᓪᓗᑎᒃ. ᐱᒻᒪᕆᐅᔪᓂᒃ ᐊᔾᔨᒌᖕᒋᓐᓂᖕᒋᑦ ᐊᐅᖃᑎᒌᖕᒋᓐᓂᖕᒋᓐᓂᒃ ᐊᔾᔨᒌᖕᒋᑦᑐᓂᖓᖅᓯᒪᔪᑦ ᑎᑎᕋᖅᑕᐅᓯᒪᕗᑦ ᐱᑎᒃᓯᓐᖑᐊᑦ ᓴᓂᐊᓂ. ᐱᑕᖃᕐᓂᖕᒋᓐᓄᑦ ᑎᑎᕋᖅᑕᐅᓯᒪᕗᑦ ᓴᓂᐊᓂ ᐊᖕᒋᓂᖕᒋᑦ ᑎᑎᖃᓂᒃ ᐊᕙᓗᓕᖕᓂ.

ᐱᑕᖃᕐᓂᖕᒋᓐᓂᒃ ᐊᔾᔨᒌᖕᒋᓐᓂᖅᓯᐅᓂᖅ

ᐲᖅᓯᕕᐅᓯᒪᓪᓗᑎᒃ ᖃᐅᔨᓴᒐᒃᓴᓂᒃ ᐊᓪᓚᖑᐊᑦ ᐊᕕᒃᑐᖅᑕᐅᓯᒪᓚᐅᖅᑐᑦ ᐱᑕᖃᕐᓂᖕᒋᓐᓂᒃ, ᒪᓕᒃᑕᐅᓪᓗᑎᒃ ᐲᖅᓯᕝᕕᐅᓯᒪᓂᖕᒋᓐᓂᒃ ᓇᑭᖕᒐᖅᓯᒪᓂᖕᒋᑦ. ᐊᒥᓲᓗᐊᖕᒋᑦᑐᓂᒃ ᑎᒥᐅᔪᓂᒃ ᓴᕿᑦᑐᖃᖅᓯᒪᓚᐅᖅᑐᑦ ᐱᒻᒪᕆᐅᔪᓂᒃ ᐊᔾᔨᒌᖕᒋᓐᓂᖃᕐᓂᕐᒥᒃ (F$_{ST}$) ᓯᓚᑖᓂᒃ ᐊᔾᔨᒌᖕᒋᓐᓂᖕᒋᓐᓂᒃ ᖃᐅᔨᒪᔭᐅᔪᓂᒃ ᐱᑕᖃᖅᐸᒃᑐᓂᒃ ᐅᐊᖕᓇᖓᓂ ᕼᐊᑦᓴᓐᐃᑉ ᐊᒻᒪᓗ ᑲᓇᖕᓇᖓᓂᒃ ᐊᑯᑭᑐᐃᑦ. ᑰᒐᓇᔫᑉ ᐃᒫᓂ ᐊᓪᓚᖑᐊᑦ ᐱᒻᒪᕆᐅᔪᒥᒃ ᐊᔾᔨᒋᓚᐅᖕᒋᒻᒥᔭᖕᒋᑦ ᐃᓚᒋᖕᒋᔾᓯᑎᒃ ᑕᐃᒃᑯᓇᖓᑦ ᐊᓪᓚᖑᐊᓂᒃ ᑕᓪᓗᕈᑎᐅᑉ ᐅᐊᖕᓇᖓᓂᒃ ᑕᓯᐅᔭᕐᔪᐊᕐᒥᓲᓂᒃ.

ᑕᒪᕐᒥᒃ ᐃᒪᕐᒥᓂᖕᒐᖅᑐᑦ ᐊᕕᒃᑐᖅᓯᒪᔪᓂᒃ ᖃᐅᔨᓴᖅᑕᐅᓚᐅᖅᑐᓂᒃ (ᖃᓗᓈᑎᑐᑦ PCA) ᐃᓱᒪᓇᖅᑐᑦ ᑕᐃᒃᑯᐊ ᐊᓪᓚᖑᐊᑦ ᑕᓪᓗᕈᑎᐅᑉ ᐅᐊᖕᓇᖓᑕ ᑕᓯᐅᔭᕐᔪᐊᖕᒐᓂᑉᐸᒃᑐᑦ ᐃᓚᒋᔭᐅᖕᒋᒻᒥᔪᑦ ᐊᓯᖕᒋᓐᓂᒃ ᐱᑕᖃᖅᐸᒃᑐᓂᒃ, ᐊᒻᒪᓗ ᐃᓚᒋᔭᐅᓇᑎᒃ ᐃᖕᖑᓪᕕᐅᓪᓗ ᐳᕆᐊᓪᓂᖕᒥᐅᑕᓂᒃ Inglefield Bredning-ᒥᐅᑕᓂᒃ ᐊᓪᓚᖑᐊᓂᒃ, ᖃᓂᒋᒐᓗᐊᕐᒥᒋᑦ. ᑕᐃᒃᑯᐊ ᖃᐅᔨᓴᒐᒃᓴᖅᑖᕐᕕᐅᓚᐅᖅᑐᑦ ᑰᒐᓇᔫᑉ ᐃᒫᓂᒃᑕᐅᖅ ᐃᖕᒥᒃᑰᖓᔫᔭᕐᒥᔪᑦ ᐃᓚᒋᔭᐅᖕᒋᓐᓂᑎᒃ ᐊᒥᓱᓂᒃ ᐃᓚᒋᖕᒋᓐᓂᖕᒋᓐᓂᒃ ᖃᐅᔨᓴᖅᑕᐅᓚᐅᖅᑐᓂᒃ.

ᓇᑭᖕᒐᖅᓯᒪᓂᖕᒋᑦ ᓇᓗᓇᕈᑕᐅᔪᑦ

ᓇᑭᖕᒐᖅᓯᒪᓂᖕᒋᑦ ᓇᓗᓇᕈᑕᐅᔪᑦ, ᐱᔾᔪᑕᐅᔪᓐᓇᖅᑐᑦ ᖃᐅᔨᒪᔭᐅᓕᖅᑐᓄᑦ:

1) ᐱᒻᒪᕆᐅᔪᓂᒃ ᐆᒃᑐᕋᒐᒃᓴᖃᖕᒋᓐᓂᖅ ᒫᓐᓇᐅᔪᖅ ᓇᔪᖅᐸᒃᑕᖕᒋᓐᓂᒃ ᐊᓪᓚᖑᐊᑦ (ᓱᕐᓗ ᕿᑭᖅᑖᔫᑉ ᐊᑯᑭᑦᑐᐃᓪᓗ ᐊᑯᓐᓂᖓᓂ ᑕᓯᐅᔭᕐᔪᐊᖑᓂᕐᒥᒃ, ᑕᓪᓗᕈᑎᐅᑉ ᐃᒪᖓ ᐊᑭᕋᓴᖓᓂ, ᑰᒐᓇᔫᑉ ᐃᒪᖓᓂᒃ, ᐊᒻᒪᓗ ᑲᓇᖕᓇᖅᐸᓯᐊᓂᒃ ᕿᑭᖅᑖᔫᑉ ᐃᒪᖓᓂ). ᑕᒪᒃᑯᐊ ᐃᒪᕕᑦ ᐱᑕᖃᑐᐃᓐᓇᕆᐊᓖᑦ ᐃᖕᒥᒃᑰᕐᒥᔪᓂᒃ

ᐊᓪᓚᖑᐊᓂᒃ ᐅᕝᕙᓗᓐᓃᑦ ᐃᓚᒋᔭᐅᖃᑕᐅᑐᐃᓐᓇᕆᐊᖃᕆᓪᓗᑎᒃ ᐃᓚᒋᕈᓘᔭᖅᓂᖏᓐᓂᑦ ᖃᐅᔨᒪᔭᐅᓕᖅᑐᓄᑦ .

2) ᐊᒥᓱᒐᓴᐃᑦ ᐆᖃᐅᔨᓴᒐᒃᓴᓕᐊᖑᓚᐅᖅᑐᑦ ᐲᖅᑕᐅᓯᒪᓂᖏᑦ ᐊᔪᖃᕈᑕᐅᖃᑦᑕᓚᐅᖅᑐᑦ ᐊᔪᖏᓐᓂᕐᒧᑦ ᖃᐅᒪᓂᖅ ᐊᔾᔨᒌᖏᓐᓂᖃᕐᓂᖏᓐᓂᒃ ᐃᓚᒋᖕᓂᖏᓐᓂᒃ ᒫᓐᓇᐅᔪᖅ ᐊᐅᔭᒃᑯᑦ ᐱᑕᖃᖅᐸᒃᑐᓂᒃ.

ᐃᓱᐊᓂᒃ ᑐᑭᓯᔭᐅᓯᒪᔪᑦ ᐊᒻᒪᓗ ᐅᖃᐅᔾᔨᒋᐊᕈᑎᑦ

ᑕᒪᐃᓐᓂ ᐊᐅᖃᑎᒌᖕᓂᖏᓐᓂᒃ ᖃᐅᔨᒪᔾᔪᑏᑦ ᐅᖃᐅᓯᐅᔪᑦ ᑖᒃᑯᓇᓂ ᓂᕈᑎᓇᖅᑕᐅᓯᒪᔪᑎᒍᑦ ᐃᑲᔪᖅᓱᐃᕗᑦ ᒫᓐᓇᐅᔪᖅ ᐊᓪᓚᖑᐊᖃᖅᑎᒋᓂᖏᓐᓂᒃ, ᑭᓯᐊᓂ ᑐᑭᓯᓇᑦᑎᐊᕋᓂᖏᑦᑐᑦ ᓱᓕ ᐃᑲᔫᑕᐅᖕᒪᖔᑕ ᓇᓪᓕᐊᖑᓂᖏᓐᓄᑦ ᐱᑕᖃᕐᓂᖏᓐᓄᑦ ᑎᒃᑯᐊᖅᓯᒪᕆᒍᓐᓇᕐᓂᖅ. ᐊᑐᖅᑕᐅᓂᖏᑦ ᓄᑖᑦ ᐊᑕᐅᓯᐅᖏᑦᑐᒥᖔᖅᑐᓂᒃ ᐊᔾᔨᒌᖏᓐᓂᖏᓐᓂᒃ, ᖃᐅᔨᓇᓱᒃᓱᒋᑦ ᐊᔾᔨᒌᖏᓐᓂᖏᑦ ᐱᑕᖃᕐᓂᕋᖅᑕᐅᕙᒃᑐᓂᒃ ᐊᓪᓚᖑᐊᖅᑐᓂᒃ ᐊᑐᒐᒃᓴᑦᑎᐊᕙᐅᔪᒥᓇᕋᓗᐊᖅᓱᑎᒃ, ᐱᔭᕆᐊᑐᔪᓂᒃ ᑎᒥᖓᓂᖔᖅᑐᒥᒃ ᐱᖅᓯᓯᒪᔭᕆᐊᖃᕋᔭᖅᐳᑦ ᖃᐅᔨᓴᒐᒃᓴᐅᓇᔭᖅᑐᓂᒃ. ᑕᒪᓐᓇ ᐊᐅᓚᑦᑎᓂᖅ ᐊᓪᓚᖑᐊᓂᒃ ᑲᓇᑕᒥ, ᐊᒻᒪᓗ ᐊᓯᖏᓐᓂᒃ ᐊᐅᓚᑕᐅᖃᑕᐅᖕᒥᔪᓂᒃ ᐃᓚᒋᔭᐅᓪᓗᑎᒃ ᐊᑯᑭᑦᑐᕐᒥᐅᑕᐃᑦ, ᐊᒃᓲᑦ ᐱᓕᕆᐊᖑᒋᐊᒃᑲᓐᓂᕆᐊᖃᕋᔭᖅᑐᖅ ᖃᐅᔨᓴᒐᒃᓴᖅᑖᕐᕕᐅᓇᓱᐊᕐᓗᑎᒃ ᐊᓪᓚᖑᐊᑦ (ᐊᐅᖏᖅᑕᐅᓗᑎᒃ/ᑎᒥᖓᓂᒃ ᐲᖅᓯᕕᐅᓗᑎᒃ) ᐱᐅᓂᖅᐸᖑᓇᔭᖅᓱᓂ ᐋᕿᐅᒪᒋᒃᑐᒥᒃ ᒪᓕᒃᓗᑎᒃ, ᑕᑯᔭᐅᑐᐊᕋᖓᒥᒃ ᖃᐅᔨᒐᒃᓴᖅᓯᐅᕐᕕᐅᖏᖕᖓᕐᓗᑎᒃ.

ᑐᑭᓯᓂᐊᕐᕕᐅᓯᒪᔪᑦ

ᑕᒃᑯᐊ ᖃᐅᔨᓴᖅᑎᓂᒃ ᐅᖃᐅᔾᔨᒋᐊᖅᓯᔾᔪᑏᑦ ᐅᓂᒃᑳᓕᐊᑦ ᓴᓇᔭᐅᓯᒪᔪᑦ ᐃᖃᓗᓕᕆᔨᔾᔪᐊᒃᑯᓐᓄᑦ ᑕᕆᐅᕐᒥᐅᑕᓕᕆᔨᒃᑯᓄᑦᓗ ᑲᓇᑕᒥ, ᑲᓇᑕᒥ ᖃᐅᔨᓴᖅᑏᑦ ᐅᖃᐅᔾᔨᒋᐊᖅᑏᑦ ᐃᖃᓇᐃᔭᕐᕕᖓᓐᓂᒃ, ᑲᓇᑕᓕᒫᒥ ᑕᕆᐅᕐᒥᐅᑕᐃᑦ ᐆᒪᔪᐃᑦ ᐱᓕᕆᐊᖑᓂᖏᓐᓂᒃ ᑲᑎᒪᔨᕋᓛᓄᑦ ᐅᖃᐅᔾᔨᒋᐊᖅᑏᑦ ᑲᑎᒪᓂᕆᓚᐅᖅᑕᖓᓐᓂᒃ ᓄᕕᐱᕆ 22-26, 2010-ᒥ. ᐊᓯᖏᑦ ᐅᖃᓕᒫᒐᓕᐊᑦ ᑖᒃᑯᓇᖓᑦ ᐱᓕᕆᐊᖑᓯᒪᔪᓂᒃ ᓴᕿᑎᑕᐅᓂᐊᕐᒥᔪᑦ ᐊᑐᐃᓐᓇᐅᓕᑐᐊᕈᑎᒃ DFO-ᑯᑦ ᐃᖃᓗᓕᕆᔨᔾᔪᐊᒃᑯᑦ ᐅᖃᐅᔾᔨᒌᐊᖅᑎᑦ ᖃᐅᔨᓴᖅᑎᖏᓐᓂᒃ ᓴᕿᑎᑕᐅᖃᑦᑕᖅᑐᓂᒃ ᐅᕙᖓᑦ ᑎᑭᓴᒐᒃᓴᐅᔪᒫᖅᑐᒃ http://www.dfo-mpo.gc.ca/csas-sccs/index-eng.htm.

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ᑕᒻᒪᓈᒃᑯᑎᑦ ᓇᓗᓇᐃᖅᓯᔾᔪᑎᑦ ᑖᒃᑯᓂᖓ ᐅᖃᓕᒫᒐᓕᐊᓂᒃ ᓇᓃᒻᒪᖔᑕ

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