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ᑲᓇᑕᒥᐅᑦ ᑭᒡᓕᓯᓂᐊᖅᑎᑦ ᐅᖃᐅᔾᔨᒋᐊᖅᑎᑦ ᑎᑎᕋᕐᕕᖓᑦ
ᑭᒡᓕᓯᓂᐊᖅᑎᑦ ᐅᖃᐅᔾᔨᒋᐊᖅᑎᑦ
ᕿᑎᓂᐊᓄᑦ ᐊᒻᒪ ᐅᑭᐅᖅᑕᖅᑐᕐᒥᐅᓄᑦ
ᐅᓂᒃᑳᓕᐊᖓᑦ 2012/020

ᐊᒃᑐᐃᓂᖓ 2008-ᒥ ᓱᒃᑯᔾᔭᐅᓯᒪᓚᐅᖅᑎᑦᓗᒋᑦ ᕿᓚᓗᒐᑦ ᑕᐅᕙᓂ ECLIPSE SOUND ᐊᑦᓚᓐᖑᐊᖏᑦ ᑲᑎᓐᖓᔪᑦ ᓄᓈᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᑭᒡᓕᖏᓐᓂᒃ

ᐊᑦᓚᓐᖑᐊᑦ ᕿᓚᓗᒐᖅ Monodon monoceros
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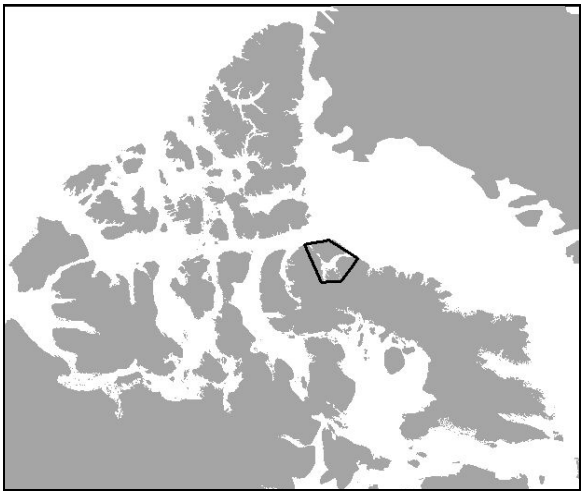

ᓇᓗᓇᐃᖅᓯᔾᔪᑦ 1. ᐊᑦᓚᓐᖑᐊᑦ ᕿᓚᓗᒐᑦ ᑲᖏᕐᓗᐊᓃᑉᐸᒃᑐᑦ ᐊᐅᔾᒃᑯᑦ, ᓇᓗᓇᐃᖅᓯᒪᔪᑦ ᕿᓂᕐᓂᒃᑯᑦ ᑎᑎᖅᓯᒪᔪᒃᑯᑦ.

ᐃᓗᓕᖏᑦ

ᐃᓱᓕᓕᖅᑎᑦᓗ 2008,. ᐅᓄᖅᑐᒻᒪᕆᑦ ᑐᕐᑯᕋᖅᑕᐅᓚᐅᖅᑐᑦ Eclipse Sound–ᒥ ᕿᑭᖅᑖᓗᒃ, ᓄᓇᕗᒥ, ᐅᖓᑖᓃᑦᑐᑦ 629 ᐊᑦᓚᓐᖑᐊᑦ ᕿᓚᓗᒐᐃᑦ ᓱᒃᑯᔾᔭᐅᓯᒪᓚᐅᖅᑐᑦ (a “savssat[1]”). ᓱᕗᖅᖓᒍᑦ ᑕᒪᑐᒪ, ᓄᓇᕗᑦ ᐅᒪᔪᓕᕆᔨᕐᔪᐊᑦ ᑲᑎᒪᔨᖏᑦ ᐊᐱᕆᓚᐅᖅᓯᒪᔪᑦ ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᓐᓄᑦ ᑐᓂᓯᕐᑯᔨᑦᓗᑎᒃ ᑭᒡᓕᓯᓂᐊᖅᑎᑦ ᐅᖃᐅᔾᔨᒋᐊᕈᑎᒃᓴᖏᓐᓂᒃ ᓄᖑᑦᑎᕙᑦᓕᐊᖏᑦᓗᑎᒃ ᖃᑦᓯᓂᒃ ᕿᓚᓗᒐᕈᓐᓇᕐᒪᖔᑕ ᐊᑦᓚᓐᖑᐊᓂᒃ ᐊᒻᒪ ᖃᑯᖅᑕᓂᒃ ᕿᓚᓗᒐᕐᓂᒃ ᓄᓇᕗᒥ. ᐅᖃᐅᔾᔨᒋᐊᕈᑎᒥᒃ ᑐᓂᓯᓚᐅᖅᓯᒪᔪᑦ (ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᑦ 2008) ᐊᒻᒪ ᒫᓐᓇᕐᓂᓴᐅᔪᑦ ᕿᒥᕐᕈᔭᐅᓚᐅᖅᑐᑦ ᐊᒃᑐᐃᓂᕆᔭᖓᓂᒃ ᐅᓄᕐᓂᕆᔭᖏᓐᓂᒃ ᕿᓚᓗᒐᑦ ᐊᑐᓕᕐᑯᔭᓕᐅᓚᐅᖅᑐᑦ ᑭᒡᓕᖏᓐᓂᒃ ᕿᓚᓗᒐᖅᑕᐅᔪᒃᓴᑦ ᐊᑦᓚᓐᖑᐊᑦ ᑕᐅᕙᓂ Eclipse Sound ᒥ ᕿᓚᓗᒐᖏᓐᓂᑦ.

ᐃᔾᔪᐊᒐᒃᓴᑦ ᐊᑐᖅᑕᐅᓚᐅᖅᑐᑦ ᖃᐅᔨᒋᐊᖅᑎᑦᓗᒋᑦ ᓄᖑᑦᓯᕙᑦᓕᐊᖏᑦᓗᑎᒃ ᕿᓚᓗᒐᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᑭᒡᓕᖏᓐᓂᒃ ᐊᔾᔨᒌᒍᓐᓃᖅᑕᖅᑎᑕᐅᑦᓗᑎᒃ ᐅᓄᕐᓂᖏᑦ ᕿᓚᓗᒐᖅᑕᐅᒐᔭᓐᖑᐊᖅᑐᑦ ᐊᑐᖅᑕᐅᑦᓗᑎᒡᓗ ᑐᕐᑯᕋᕋᔭᖅᑐᑦ ᐊᖑᓇᓱᒃᑕᐅᖏᑦᓗᑎᒃ. ᑲᑎᒪᓚᐅᖅᓯᒪᔪᑦ ᓱᑎᐱᕆ 23–ᖑᑎᑦᓗᒍ 2009-ᒥ ᐅᕐᑳᓚᐅᑎᒃᑯᑦ ᕿᒥᕐᕈᑦᓗᑎᒃ ᑕᒪᒃᑯᓂᖓ ᓴᖅᑭᑦᑐᓂᒃ ᐃᔾᔪᐊᒐᒃᓴᒥᒃ ᐊᑐᖅᑎᑦᓗᒋᑦ ᐊᒻᒪ ᐅᖃᐅᔾᔨᒋᐊᕈᑎᖃᓚᐅᖅᑐᑦ ᐊᒃᑐᐃᓂᕆᔭᖅᑕᖓᓂᒃ ᐅᓄᖅᑐᓂᒃ ᑐᕐᑯᕋᖅᑐᖃᕐᓂᖅᐸᑦ ᕿᓚᓗᒐᕐᓂᒃ.

[1] ᐊᑯᑭᒃᑐᕐᒥᐅᓂᑦ ᐅᑲᐅᓯᖅ ᐊᑐᖅᑕᐅᖃᒃᑕᖅᑐᑦ ᕿᓚᓗᒐᑦ ᑲᑎᓐᖓᐅᖅᑎᑦᓗᒋᑦ ᐃᓂᑭᒃᓴᕐᓗᑎᒃ, ᓱᒃᑯᔾᔭᐅᓯᑎᑦᓗᒋᑦ.

ᐃᔾᔪᐊᒐᒃᓴᒥᑦ ᓴᖅᑭᑦᑐᑦ ᓇᓗᓇᐃᖅᓯᓚᐅᖅᑐᑦ, ᓱᒃᑯᔾᔭᐅᓯᒪᑎᑦᓗᒋᑦ ᑐᕐᑯᕋᕐᓂᖅᐸᑕ ᐅᓄᕐᓂᖅᓴᐅᔪᑦ ᐃᒻᒥᓂᒃ ᑐᕐᑯᔪᓂᑦ ᐃᓐᓇᐅᓂᕐᒧᑦ, ᖃᓂᒪᓂᕐᒧᑦᓘᓐᓃᑦ, ᕿᓚᓗᒐᖅᑕᐅᔪᑦ ᐃᓄᐃᓴᒐᓕᒋᐊᖅᑕᐅᒐᔭᖅᐳᑦ 13-ᓂᒃ ᐅᕝᕙᓗ ᐅᓄᖕᒋᓐᓂᖅᓴᓂᒃ ᕿᓚᓗᒐᕈᑎᒃ ᓄᖑᑦᓯᕙᓪᓕᐊᖕᒋᒃᑲᔭᖅᐳᑦ. ᑭᓯᐊᓂᓕ, ᓱᒃᑯᔾᔭᐅᔪᖃᓚᐅᖅᑎᓪᓗᒍ ᑕᐃᒪᓐᓇ ᐅᓄᖅᑎᒋᔪᓂᒃ ᓱᒃᑯᔾᔭᐅᕐᖃᑦᑕᖅᑐᑦ ᑕᑯᔾᐅᒐᔪᖕᓂᖅᓴᐅᕙᓪᓕᐊᓕᕐᒪᑕ, ᓄᖑᑦᓯᕙᓪᓕᐊᖕᒋᓪᓗᑎᒃ ᕿᓚᓗᒐᖅᑕᐅᔪᒃᓴᑦ ᑭᒡᓕᖓ ᐋᖅᑭᒋᐊᖅᑕᐅᔭᕆᐊᕐᑲᕐᓂᐊᖅᑐᖅ.

ᑭᒡᓕᓯᓂᐊᖅᑎᑦ ᑭᒡᒍᓯᖕᒋᑦ ᐅᓂᒃᑳᓕᐊᖑᔪᓄᑦ ᓴᖅᑭᓯᒪᕗᑦ ᑭᒡᓕᓯᓂᐊᖅᑎᑦ ᐱᑐᐃᓐᓇᐅᖕᒋᑦᑐᒃᑯᑦ ᑭᒡᒍᓯᖕᒐᓐᓄᑦ ᐊᐅᓚᓂᐅᔪᒥᒃ ᓯᑎᐱᕆ 23, 2009-ᑎᓪᓗᒍ ᐊᒃᑐᐃᓂᕆᔭᖓ ᓱᒃᑯᔾᔭᐅᓯᒪᔪᓄᑦ ᐊᑐᓕᕐᑯᔭᓕᐊᖑᓯᒪᔪᑦ Eclipse Sound ᕿᓚᓗᒐᖕᒋᓐᓂᑦ ᑲᑎᓐᖕᒐᔪᑦ ᐅᒪᔪᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᑭᒡᓕᖕᒋᓐᓂᒃ.

ᖃᓄᐃᓚᐅᕐᒪᖔᑦ

ᑭᖑᓂᑦᑎᓐᓂ ᐅᖃᐅᔾᔨᒋᐊᕈᑎᑦ ᑲᑎᓐᖕᒐᔪᑦ ᐅᒪᔪᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᑭᒡᓕᖕᒋᑦ ᑲᓇᑕᒥᐅᑦ ᐅᑭᐅᖅᑕᖅᑐᖕᒐᓂ ᐊᓪᓚᓐᖑᐊᑦ ᕿᓚᓗᒐᖕᒋᓐᓄᑦ ᐋᖅᑭᒐᑕᐅᓚᐅᖅᓯᒪᔪᑦ ᐊᑐᕐᓗᑎᒃ ᕿᓚᓗᒐᖅᑕᐅᓪᓗᐊᖅᑐᑦ ᐅᓄᕐᑭᓂᕆᔭᖕᒋᓐᓂᒃ ᐱᐅᓯᕐᒥᒃ ᓴᓇᔭᐅᓯᒪᔪᒥᒃ (ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᑦ 2008). ᑕᒪᓐᓇ ᐱᖃᓯᐅᔾᔨᓯᒪᔪᖅ ᐅᖃᐅᔾᔨᒋᐊᕈᑎᒃᓴᓂᒃ ᕿᓚᓗᒐᖅᑕᐅᔪᒃᓴᑦ ᐊᓪᓚᓐᖑᐊᑦ ᐅᓄᕐᓂᖕᒋᓐᓂᒃ Eclipse Sound ᕿᓚᓗᒐᖕᒋᓐᓂᑦ. ᒥᐊᓂᖅᓯᔾᔪᑎᖃᕐᓯᐊᖅᐸᑕ ᐊᐅᓚᕐᓯᔾᔪᑕᐅᔪᓐᓇᑦᑎᐊᖅᑐᓂᒃ ᓄᓈᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᐅᓄᕐᓂᖕᒋᓐᓄᑦ ᑲᑎᓐᖕᒐᔪᑦ ᕿᓚᓗᒐᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᐊᑐᓐᖕᒋᖔᕐᓗᒋᑦ (ᓄᓈᖅᑕᐅᔪᑦ ᐊᒻᒪ ᐊᓯᐅᔾᔭᐅᔪᑦ), ᓄᖑᑦᓯᕙᓪᓕᐊᖕᒋᓪᓗᑎᒃ ᑲᑎᓐᖕᒐᔪᑦ ᐅᒪᔪᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᑐᓂᔭᐅᓚᐅᖅᑐᑦ ᑕᐃᔭᐅᓪᓗᑎᒃ ᑲᑎᓐᖕᒐᔪᑦ ᓄᓈᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᐃᓚᓐᖑᖅᑎᖅᑕᐅᓚᐅᖅᑎᓪᓗᒋᑦ ᕿᓚᓗᒐᕋᓱᐊᕐᓗᑎᒃ ᐊᓯᐅᔾᔨᐅᒐᔭᐅᖅᑐᓂᒃ (Richard 2008, ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᑦ 2008). ᕿᓚᓗᒐᖅᑕᐅᓪᓗᐊᖅᑐᑦ ᐅᓄᕐᓂᖕᒋᑦ Eclipse Sound ᕿᓚᓗᒐᖕᒋᓐᓂᑦ 301-ᖑᕗᑦ ᐊᒻᒪ ᑲᑎᓐᖕᒐᔪᑦ ᓄᓈᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᐅᓄᕐᓂᖃᖅᐳᑦ 236-ᓂᒃ (ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᑦ 2008).

ᓱᒃᑯᔾᔭᐅᓯᒪᓚᐅᖅᑐᑦ ᐅᓄᕐᓂᖅᓴᐅᔪᑦ 629 ᐊᓪᓚᓐᖑᐊᑦ ᕿᓚᓗᒐᑦ Eclipse Sound-ᒥ ᓄᕕᐱᕆ 2008-ᖑᑎᓪᓗᒍ. ᑕᐃᒪᓐᓈᓗᕐ ᐅᓄᖅᑎᒋᔪᓂᒃ ᓱᒃᑯᔾᔭᐅᔪᐃᑦᑐᖃᕐᒪᑦ ᓄᓇᕗᒥ, ᐊᑕᐅᓯᐊᕐᓗᑎᒃ ᑎᑎᕋᖅᑕᐅᓯᒪᔪᑦ ᑭᖑᓂᑦᑎᓐᓂ ᓱᒃᑯᔾᔭᐅᔪᖃᖅᑐᕕᓂᐅᑎᓪᓗᒍ (Heide-Jørgensen et al. 2002a). ᐅᓄᖅᑐᑦ ᐊᖑᓇᓱᒃᑎᑦ ᐊᐱᖅᓱᖅᑕᐅᖃᑦᑕᖅᑐᑦ ᓄᓇᓕᖕᓂ ᖃᐅᔨᒪᓂᕆᔭᑦ ᖃᐅᔨᓴᖅᑕᐅᑎᓪᓗᒋᑦ ᐅᖃᖃᑦᑕᓚᐅᖅᓯᒪᔪᑦ ᐊᓪᓚᓐᖑᐊᑦ ᕿᓚᓗᒐᑦ ᕿᒪᐃᖃᑦᑕᕐᓂᖕᒋᓐᓂᒃ Eclipse Sound ᐃᑭᖓᓂᒃ ᐅᑭᐊᒃᑯᑦ ᓯᑯᓚᐅᖕᒋᓐᓂᖓᓂ (Remnant and Thomas 1992). 13-ᖑᔪᑦ ᕿᓚᓗᒐᑦ ᖁᒻᒧᐊᒃᑎᑕᐅᓯᒪᔪᒃᑯᑦ ᓈᓚᐅᓯᖅᑕᐅᓚᐅᖅᓯᒪᔪᑦ Eclipse Sound ᕿᓚᓗᖕᒋᑦ ᐋᒡᒋᓯ 1997-1999-ᖑᑎᓪᓗᒍ ᓈᓚᒃᑕᐅᖃᑦᑕᓚᐅᖅᑐᑦ ᐊᐅᓪᓚᓕᑎᓪᓗᒋᑦ ᓂᒋᖅᐸᓯᖕᒧᑦ ᐊᑯᓐᓂᐊᓂ ᕿᑎᐊᑕ ᓯᑎᐱᕆᐅᑉ ᐊᒻᒪᓗ ᐋᒡᒋᓯᐅᑉ ᕿᑎᐸᓗᐊᓂ (Dietz et al. 2001, Heide-Jørgensen et al. 2002b). ᐃᓅᓐᓇᖕᒋᑦ ᕿᒪᐃᓪᓗᑎᒃ, ᑭᓯᐊᓂ ᐊᑕᐅᓯᑦ ᕿᒪᐃᓚᐅᖕᒋᑦᑐᑦ Eclipse Sound -ᒥᒃ ᒥᑦᑎᒪᑕᓕᖕᒥᒃᓗ ᑭᓯᐊᓂ ᐊᒃᑑᕙ 1-ᖑᓕᖅᑎᓪᓗᒍ.

ᐅᓄᓗᐊᖕᒋᑦᑐᑦ ᐊᒻᒪ ᐊᑯᓐᓂᖅᓱᖅᑐᓂᒃ ᐅᓄᕐᓂᖃᖅᑎᒋᔪᑦ ᓱᒃᑯᔾᔭᐅᔪᓐᓇᖅᐳᑦ ᑕᐃᒪᓐᓇ ᕿᓚᓗᒐᑦ ᑐᕐᑯᕋᕈᓐᓇᕐᒥᔪᑦ (Heide-Jørgensen et al. 2002a) ᑭᓯᐊᓂᓕ ᑕᐃᒪᐃᓕᑎᓪᓗᒋᑦ ᖃᐅᔨᔾᔭᐅᖃᑦᑕᖕᒋᑦᑐᑦ ᖃᑦᓯᐅᖕᒪᖔᑕ ᐊᒻᒪ ᐃᓄᖅᖕᒋᑦᑐᒥ ᕿᓚᓗᒐᖃᒐᔪᖕᒪᑦ, ᐅᓄᖕᒋᑦᑐᑦ ᓱᒃᑯᔾᔭᐅᓯᒪᑐᐃᓐᓇᓇᐊᖅᑲᖅᐸᒃᐳᑦ ᓯᓚ ᑖᖕᒋᓐᓇᓕᖅᑎᓪᓗᒍ. ᐊᒃᑐᐃᓂᖓ ᑐᕐᑯᕋᖅᐸᒃᑎᓪᓗᒋᑦ ᕿᓚᓗᒐᑦ, ᐱᖃᓯᐅᑎᓪᓗᒍ ᓱᒃᑯᔾᔭᐅᓯᒪᔪᖃᖅᑎᓪᓗᒍ, ᐱᖃᓯᐅᔾᔭᐅᓯᒪᓕᓈᖅᑐᑦ ᐅᓄᖅᓯᕙᓪᓕᐊᓂᖕᒋᓐᓄᑦ ᐊᑐᖅᑕᐅᖃᑦᑕᖅᑐᓂ ᖃᐅᔨᓴᐃᑎᓪᓗᒋᑦ ᓄᖑᑦᓯᕙᓪᓕᐊᖕᒋᓪᓗᑎᒃ ᕿᓚᓗᒐᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᑭᒡᓕᖕᒋᓐᓂᒃ. ᐅᓄᖅᑐᐊᓗᐃᑦ ᐊᑕᐅᓯᐊᖅ ᓱᒃᑯᔾᔭᐅᓯᒪᓚᐅᖅᓯᒪᔪᑦ ᓄᕕᐱᕿ 2008-ᖑᑎᓪᓗᒍ ᑕᒪᐃᓐᓇᔪᐃᒻᒪᑦ, ᐱᓪᓗᒍ ᐅᓄᓗᐊᒧᑦ, ᐃᓱᒫᓗᒍᑎᖃᓚᐅᕐᒪᑕ ᐊᒃᑐᐃᓂᓇᓂᐊᖅᑕᖓᓂᒃ ᓄᖑᑦᓯᕙᓪᓕᐊᓱᐊᖅᑕᐃᓕᒪᓂᖅ ᕿᓚᓗᒐᖕᒋᓐᓂᒃ Eclipse Sound. ᕿᒥᕐᕈᓇᒃᑕᐅᓕᖅᑐᑦ ᐊᖅᑭᒋᐊᓇᓂᐊᕐᒪᖔᑕ ᑲᑎᓐᖕᒐᔪᑦ ᓄᓈᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᑭᒡᓕᖕᒋᓐᓂᒃ ᕿᓚᓗᒐᒐᒃᓴᓂᒃ ᑕᐅᕙᓐᖕᒐᑦ ᕿᓚᓗᒐᖕᒋᓐᓂᑦ ᕿᒥᕐᕈᔭᓇᐊᖅᑐᑦ ᐅᓄᖅᑐᒃ ᕿᓚᓗᒐᖅᑐᖅᑕᐅᖅᓯᒪᑎᓪᓗᒍ ᑕᐅᕙᓐᖕᒐᑦ.

ᕿᒥᕐᕈᓇᒍᑎᑦ

ᐱᐅᓯᐅᔪᑦ

ᐃᔾᔪᐊᒐᒃᓴᖅ ᐱᔭᕐᓂᖅᑐᖅ ᐊᑐᖅᑕᐅᓚᐅᖅᑐᖅ ᒥᒃᓴᐅᓴᒃᓯᑎᑦᑐᒋᑦ ᐊᔾᔨᒌᖕᒋᓐᓂᓇᔭᖕᒋᓐᓂᒃ ᑲᑎᓐᖓᔪᑦ ᓄᓈᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᑭᒡᓕᖕᒋᑦ ᐊᑐᕆᐊᖃᓚᐅᕐᒪᑦ ᐅᓄᖅᑐᐊᓗᐃᑦ ᕿᓚᓗᒐᑦ ᓯᒃᑯᔾᔭᐅᓯᒪᓚᐅᖅᑎᑦᑐᒋᑦ ᐋᖅᑭᒋᐊᕐᑯᑦᑐᒋᑦ ᐅᓄᕈᓐᓃᖅᐸᑦᓕᐊᓂᕆᔭᖕᒋᑦ.

$$N_{2009} = N_{2008} - H_{2008} - E_{2008}$$

ᐃᒪᐃᑎᑦᑐᒍ: N_{2008} = ᐅᓄᕐᓂᕆᔭᖕᒋᑦ ᐃᔾᔪᐊᒐᒃᓴᒥ ᖃᓄᐃᓐᖕᒋᑎᑦᑐᒍᑦ (20,225, ᒪᓕᒐᖓ ᑕᒻᒪᖅᓯᒪᔪᓄᑦ = 7,285 ᐱᔭᐅᓯᒪᔪᑦ ᐅᑯᓇᓐᖓᑦ Richard et al. 2010[2])

H_{2008} = ᕿᓚᓗᒐᓚᐅᖅᑎᑦᑐᒋᑦ ᐊᕐᕌᒍᐊᓂ 2008, ᐅᕝᕙᓗ ᐅᖃᐅᑕᐅᓯᒪᔪᑦ ᓄᓈᖅᑕᐅᓂᕋᖅᑕᐅᑦᑐᑎᒃ ᐅᓄᕐᓂᖕᒋᓐᓂᑦ (73, ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᓴᖅᑭᑕᐅᓯᒪᖕᒋᑦᑐᑦ ᑐᓴᒐᒃᓴᑦ) ᐋᖅᑭᒋᐊᕈᑎᒋᑐᒍ ᐊᖑᓇᓱᒃᑎᑦᑐᒋᑦ ᐊᓯᐅᔨᔭᐅᔪᑦ (73 x 1.28 = 93, Richard 2008)

E_{2008} = ᓯᒃᑯᔾᔭᐅᓯᒪᔪᑦ ᑐᕐᑯᔪᑦ (629 ᓯᒃᑯᔾᔭᐅᓯᒪᔪᑦ ᕿᓚᓗᒐᖅᑕᐅᓚᐅᖅᑐᑦ ᐊᒻᒪ ᖃᐅᔨᒪᔭᐅᖕᒋᑦᑐᑦ ᖃᑦᓯᓂᒃ ᐊᓯᐅᔨᓐᓂᕐᒪᖔᑕ ᐅᓄᕐᓂᖕᒋᑦ ᖃᐅᔨᒪᔭᐅᖕᒋᒻᒥᔪᑦ ᐅᓄᕐᓂᖕᒋᑦ ᐃᐱᔪᕕᓂᑦ ᓯᑯᑉ ᐊᑖᓂ ᑭᕕᔪᕕᓂᓪᓗ ᐱᔭᐅᓚᐅᖅᑳᖅᑎᓐᓇᒋᑦ; Blair Dunn, DFO, pers. comm.)

ᐊᕐᕌᒍᑕᒫᓐ ᐅᓄᖅᓯᕙᓪᓕᐊᓂᖕᒋᑦ ᖃᑦᓯᐅᖕᒪᖔᑕ ᖃᐅᔨᒪᔭᐅᖕᒋᒻᒪᑕ. ᓇᓗᓇᐃᖅᓯᒃᑲᓐᓂᕐᑯᓪᓗᒍ, ᐅᓄᖅᓯᕙᓪᓕᐊᓂᖕᒋᑦ ᐃᓱᒪᒋᔭᐅᕗᑦ 0–ᖑᓂᖓᓂᑦ, ᐊᒻᒪ ᐱᔭᐅᔪᑦ ᑕᐃᑲᓐᖓᑦ ᐊᔾᔨᒋᓪᓗᒋᑦ ᐱᔾᔪᑎᒋᓪᓗᒍ ᐃᓄᖅᑑᓂᖕᒋᓐᓄᑦ ᕿᓚᓗᒐᐃᑦ, ᓱᕐᕌᓗᐊᕋᑎᒃ ᐅᓄᕐᓂᖕᒋᑦ ᐊᒻᒪ ᐃᓄᐃᓴᒐᓕᕙᓪᓕᐊᓂᐊᖅᐸᓪᓚᐃᖕᒋᑦᑐᑦ ᐅᓄᖕᒋᑦᑐᓂᒃ ᕿᓚᓗᒐᖃᑦᑕᖅᐸᑕ ᐊᑐᖅᑕᐅᔪᓂᒃ (~0.5%).

ᐊᖑᓇᓱᒃᑎᑦ ᐅᖃᖅᓯᒪᕗᑦ ᕿᓚᓗᒐᓂᒃ ᐊᓯᐅᔨᓚᐅᖕᒋᓐᓂᖕᒋᓐᓂᒃ ᐱᓪᓗᒍ ᓇᐅᓕᒃᑕᐅᖅᑳᖅᑲᑦᑕᓚᐅᕐᒪᑕ ᖁᑭᖅᑕᐅᓚᐅᖕᒋᓐᓂᖕᒋᓐᓂ (Blair Dunn, DFO, pers. comm.). ᐊᐃᑉᐸᖓᒍᑦ, ᐅᓄᕐᓂᖕᒋᑦ ᕿᓚᓗᒐᑦ ᐃᐱᔪᕕᓂᑦ ᓯᑯᑦ ᐊᑖᓂ ᖃᐅᔨᒪᔭᐅᖕᒋᑦᑐᑦ. ᐊᖑᓇᓱᒃᑎᑦ ᐅᖃᖅᓯᒪᕗᑦ ᐅᓄᕐᓂᖅᓴᐅᔪᑦ ᓱᒃᑯᔾᔭᐅᓯᒪᔪᑦ ᐱᔭᐅᓚᐅᖅᑐᑦ ᐱᓪᓗᒍ ᐊᒡᓗᖕᒋᑦ ᐊᖓᔫᖕᒋᓐᓇᖅᑎᑕᐅᓚᐅᕐᒪᑕ ᓇᓂᔪᓐᓇᖅᑕᓕᒫᒥᖕᓂᒃ ᕿᓚᓗᒐᓚᐅᕐᒪᑕ (Blair Dunn, DFO, pers. comm.). ᑭᐅᕐᑯᓪᓗᒋᑦ ᑕᐃᒃᑯᓄᖓ ᖃᐅᔨᒪᔭᐅᖕᒋᑦᑐᓄᑦ, ᓯᒃᑯᔾᔭᐅᓯᒪᔪᑦ ᑐᕐᑯᕋᕐᓂᖕᒋᑦ ᐃᔾᔪᐊᒐᒃᓴᒥᒃ ᓴᓇᓪᓗᑎᒃ ᐊᑐᓚᐅᖅᑐᑦ ᓯᐊᒻᒪᒃᑎᖅᓯᒪᓪᓗᒋᑦ ᐊᑯᓐᓂᐊᓂ 629 ᐊᒻᒪ ᖁᕙᓯᖕᓂᖅᓴᐅᓪᓗᒋᑦ ᖃᐅᔨᓴᖅᑕᐅᓪᓗᑎᒃ. ᐱᓪᓗᒍ ᐅᓄᕐᓂᖅᓴᐅᔪᑦ ᑐᕐᑯᔪᑦ ᖃᐅᔨᒪᔭᐅᖕᒋᒻᒪᑕ, ᐱᖓᓱᓕᖅᑲᖓᔪᓂᒃ ᖃᐅᔨᓴᕈᑎᖃᓚᐅᖅᑐᑦ: ᐅᓄᕐᓂᖃᖅᑎᓪᓗᒋᑦ (629, 700), ᐅᓄᕐᓂᖃᖅᑎᓪᓗᒋᑦ (629, 800), ᐊᒻᒪ ᐅᓄᕐᓂᖃᖅᑎᓪᓗᒋᑦ (629, 900) ᕿᒥᕐᕈᓇᕐᑯᓪᓗᒋᑦ ᐊᒃᑐᐃᓂᖓᓂᒃ ᓴᖅᑭᑦᑐᓂᒃ ᐅᓄᕐᓂᖅᓴᓂᒃ ᐱᑕᖃᖅᑎᓪᓗᒍ ᑭᒡᓕᒥᒃ.

ᐊᒃᑐᐃᓂᓇᔭᖓ ᑐᕐᑯᕋᖅᑐᑦ ᐊᖑᓇᓱᒃᑕᐅᓚᑎᒃ, ᐱᖃᓯᐅᑎᓪᓗᒋᑦ ᓯᒃᑯᔾᔭᐅᓯᒪᔪᑦ, ᐱᖃᓯᐅᔾᔭᐅᓯᒪᓕᓈᖅᑐᑦ ᐃᓗᐊᓂ ᐅᓄᖅᓯᕙᓪᓕᐊᓂᖕᒋᓐᓄᑦ ᐊᑐᖅᑕᐅᖃᑦᑕᖅᑐᓂ ᕿᓚᓗᒐᖅᑕᐅᓪᓗᐊᖅᑐᑦ ᐅᓄᕐᓂᖕᒋᓐᓂ. ᑭᓯᐊᓂᓕ, ᐊᑯᓚᐃᓐᓂᖓ ᐱᓪᓗᒍ ᐊᒻᒪ ᐅᓄᖅᑐᐊᓗᐅᕐᓂᖕᒋᑦ ᕿᓚᓗᒐᑦ ᓯᒃᑯᔾᔭᐅᓯᒪᔪᑦ ᐅᓄᖅᓯᕙᓪᓕᐊᓂᖕᒋᑦ ᖃᑦᓯᐅᖕᒪᖔᑕ ᖃᐅᔨᒪᔭᐅᖕᒋᑦᑐᑦ, ᐊᔾᔨᒌᖕᒋᑦᑐᓂᒃ ᓯᒃᑯᔾᔭᐅᓯᒪᔪᖃᖅᑎᓪᓗᒍ ᑐᕐᑯᕋᖅᑐᑦ ᐅᓄᕐᓂᖕᒋᓐᓂᒃ ᐅᒃᑐᕋᐅᑎᖃᓚᐅᖅᑐᑦ ᐃᔾᔪᐊᖅᑕᐅᔪᓐᓇᖅᑐᒥ. ᐊᔾᔨᒌᖕᒋᑦᑐᑎᑕᐅᓚᐅᖅᑐᑦ ᐅᖑᑖᓄᐊᖅᓯᒪᖃᑦᑕᓚᐅᖅᑐᑦ ᑐᕐᑯᕋᖅᑐᑦ ᐊᖑᓇᓱᒃᑕᐅᓚᑎᒃ 20%–ᒥᑦ ᑎᑭᓪᓗᒍ 100%.

[2] Eclipse Sound ᕿᓚᓗᒐᖕᒋᑦ ᓈᓴᖅᑕᐅᓚᐅᖅᓯᒪᕗᑦ 2004-ᖑᑎᓪᓗᒍ. ᐃᔾᔪᐊᒐᒃᓴᑦ ᖃᐅᔨᓴᕈᑎᒃᓴᑦ ᐊᑐᓚᐅᖅᑐᑦ ᐃᓱᒪᒋᔭᐅᔪᓂᒃ ᓱᕐᕌᖕᒋᑦᑐᓇᔭᐅᓪᓗᑎᒃ ᑕᐃᑦᓱᒪᓐᖓᓂᑦ.

ᐃᔾᔪᐊᖅᑕᐅᔪᓐᓇᖅᑐᖅ ᖃᐅᔨᓴᕈᑎ ᕿᓚᓗᒐᖅᑕᐅᓪᓗᐊᖅᑐᑦ ᐅᓄᕐᓂᖕᒋᓐᓄᑦ Eclipse Sound-ᒥ ᕿᓚᓗᒐᖕᒋᓐᓂ ᕿᓚᓗᒐᖅᑕᐅᔪᑦ ᐅᓄᕐᓂᖕᒋᑦ ᐊᒻᒪ ᐊᖑᓇᓱᒃᑕᐅᒐᑎᒃ ᑐᕐᑯᕋᖅᐸᓪᓕᐊᔪᑦ ᒪᓕᒃᓗᒋᑦ ᐱᔭᐅᓚᐅᖅᑐᑦ. ᕿᓚᓗᒐᖅᑕᐅᓪᓗᐊᖅᑐᑦ ᐅᓄᕐᓂᖕᒋᑦ ᐋᖅᑭᒃᑕᐅᓪᓗᑎᒃ Wade-ᒧᑦ (1998) ᐊᒻᒪ Wade and Angliss (1997) ᐃᒪᐃᓕᖕᒐᓪᓗᑎᒃ:

$$PBR = 0.5 \times R_{Max} \times N_{Min} \times F_r$$

ᐃᒪᐃᑦᑑᒃᐸᑦ: N_{Min} = 20th ᐳᓴᓐᑎᖕᒐ ᓯᐊᒻᒪᒃᑎᖅᓯᒪᔪᑦ ᐅᓄᕐᓂᖕᒋᑦ ᒪᓕᒃᓗᒋᑦ ᒥᒃᓴᐅᓴᒃᑕᐅᓯᒪᔪᑦ: ᐊᔾᔨᖕᒐ ᐊᒃᐸᓯᖕᓂᖅᓴᐅᑉ 60% ᐅᒃᐱᕆᔭᐅᔪᑉ ᑭᒡᓕᖕᒐ.

R_{Max} = ᐅᓄᕐᓂᖅᐹᑦ ᐅᓄᖅᓯᕙᓪᓕᐊᓂᖕᒋᑦ ᕿᓚᓗᒐᑦ. ᐅᓄᕐᓂᖅᐹᒃᑯᑦ ᐅᓄᖅᓯᕙᓪᓕᐊᓂᖕᒐ ᖃᐅᔨᒪᔭᐅᖕᒋᑦᑐᖅ R_{Max} ᐋᖅᑭᒃᑕᐅᓚᐅᖅᑐᖅ ᕿᓚᓗᒐᕐᓄᑦ, 0.04. ᐊᕕᒃᑕᐅᓪᓗᓂ ᕿᑎᓪᓗᐊᖕᒐᒍᑦ (0.5 × R_{Max}). ᐱᖃᓯᐅᔾᔨᓯᒪᕐᑯᓪᓗᒋᑦ ᐅᓄᖅᓯᕙᓪᓕᐊᓂᓇᔭᖕᒋᓐᓂᒃ.

F_r = ᐅᑎᕐᐋᒥᑎᑕᐅᓂᖕᒋᓐᓄᑦ ᐱᖃᓯᐅᔾᔨᓚᐅᖅᑐᑦ ᐃᓄᐃᓴᒃᓕᒋᐊᕐᓗᒍ ᑭᒡᓕᖕᒐ ᕿᓚᓗᒐᖅᑕᐅᓪᓗᐊᖅᑐᑦ ᐱᐅᓯᒋᐊᕐᑯᓪᓗᒍ ᐅᓄᖅᓯᕙᓪᓕᐊᓂᖕᒋᑦ. ᐅᓄᖅᓯᕙᓪᓕᐊᓂᖕᒐᑕ ᐅᓄᕐᓂᖕᒐ (F_r) ᐊᑐᕐᓗᒍ ᐋᖅᑭᒃᑕᐅᔪᓐᓇᖅᑐᖅ 0.1 ᐊᑦᑕᕐᓈᕐᑭᖕᒋᑦᑐᓄᑦ ᐅᓄᕐᓂᖕᒋᑦ ᕿᓚᓗᒐᑦ, 0.5 ᓄᖑᓕᕐᓂᕋᖅᑕᔪᓄᑦ ᐊᒻᒪᓗ 1.0 ᖃᓄᐃᖕᒋᑦᓯᐊᖅᑐᓂᒃ ᐅᓄᕐᓂᖅᑲᖅᑐᓂᒃ (Wade and Angliss 1997). ᑕᐃᒪᓕ ᕿᓚᓗᒐᑦ ᐅᓄᕐᓂᖕᒋᑦ ᖃᓄᐃᖕᒋᑦᓯᐊᕐᒪᑕ, ᑖᓐᓇ F_r -ᖕᒐ ᐋᖅᑭᒃᑕᐅᓚᐅᖅᑐᖅ 1-ᒧᑦ.

ᕿᓚᓗᒐᖅᑕᐅᓪᓗᐊᖅᑐᑦ ᐅᓄᕐᓂᖕᒋᑦ ᐊᑐᖅᑕᐅᓚᐅᖅᑐᑦ ᐊᑐᓂ ᖃᓄᐃᓐᓂᐅᔪᓄᑦ. ᓴᖅᑭᑦᑎᓪᓗᑎᒃ ᕿᓚᓗᒐᖅᑕᐅᓪᓗᐊᖅᑐᑦ ᐃᓚᓐᖑᖅᑕᐅᓪᓗᑎᒃ ᕿᓚᓗᒐᖅᓯᐅᖅᑕᐅᓪᓗᑎᒃ ᐊᓯᐅᔾᔭᐅᔪᓂᒃ (PBR/1.28, Richard 2008) ᐋᖅᑭᓯᑎᓪᓗᒋᑦ ᐋᖅᑭᒋᐊᖅᓯᒪᔪᒥᒃ ᑲᑎᓐᖑᔪᑦ ᓄᓈᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᑭᒡᓕᖕᒋᑦ ᓴᖅᑭᓪᓗᑎᒃ ᐊᑐᓂ ᖃᓄᐃᓐᓂᐅᔪᓂ ᐊᑐᒐᔪᖕᒋᑦᑐᓂ ᐅᓄᕐᓂᖅᓴᐅᒃᐸᑕ ᑐᕐᑯᕋᖅᑐᑦ ᐊᖑᓇᓱᒃᑕᐅᒐᑎᒃ ᖃᓄᐃᒃᑲᔭᕐᒪᖔᑦ.

ᓴᖅᑭᑦᑐᑦ

ᐃᔾᔪᐊᒐᒃᓴᓂᑦ ᖃᐅᔨᓴᕈᑎᐅᔪᓂᑦ ᓴᖅᑭᑦᑐᑦ ᐊᒃᑐᐃᓂᖃᕈᓐᓇᖅᑐᑦ ᐊᔾᔨᒌᖕᒋᑦᑐᓂᒃ ᐅᓄᕐᓂᖃᕐᓗᑎᒃ ᓯᒃᑯᔾᔭᐅᓯᒪᔪᓂ ᑐᕐᑯᕋᖅᑐᑦ ᐊᒃᑐᐃᓯᒪᖕᒋᑦᑐᖅ (ᑕᑯᓗᒍ ᓇᓗᓇᐃᖅᓯᔾᔪᑦ 1). ᐊᒻᒪᓗ, ᖃᓄᑎᒋ ᐅᓄᕋᓗᐊᖅᐸᑕ ᓯᒃᑯᔾᔭᒃᓯᒪᔪᑦ ᓂᕈᐊᖅᑎᓪᓗᒋᑦ ᖃᓄᐃᓐᓂᐅᔪᓐᓇᖅᑐᓂ, ᑲᑎᓐᖑᔪᑦ ᓄᓈᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᐃᓄᐃᓴᒃᓕᒋᐊᑐᐃᓐᓇᕆᐊᖃᖅᐳᑦ 13-ᓂᒃ ᐅᓄᖕᒋᓐᓂᖅᓴᓂᓗᓐᓃᑦ ᐊᑐᓕᕐᑯᔭᓕᐊᕆᔭᐅᓚᐅᖅᑐᓂᑦ ᑲᑎᓐᖑᔪᑦ ᓄᓈᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᑭᒡᓕᖕᒋᓐᓄᑦ (ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᑦ 2008) ᐊᑭᓕᖅᓯᕐᑯᓪᓗᒋᑦ ᓯᒃᑯᔾᔭᐅᓚᐅᖅᑐᓄᑦ ᐱᔪᓐᓇᕋᔭᖅᐳᑦ.

ᓇᓗᓇᐃᖅᓯᔾᔪᑦ 1. ᐋᖅᑭᒋᐊᖅᑕᐅᓯᒪᔪᑦ ᕿᓚᓗᒐᖅᑕᐅᒐᔾᔭᓐᖑᐊᖅᑐᑦ ᐅᓄᕐᓂᖏᑦ ᐊᒻᒪ ᑲᑎᓐᖓᔪᑦ ᓄᓈᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᑭᒡᓕᖏᑦ ᓴᖅᑭᓯᒪᔪᑦ ᓱᒃᑯᔾᔭᐅᓯᒪᔪᖅᑲᓚᐅᖅᑎᓪᓗᒍ ᐊᑐᖅᑕᐅᒐᔪᖏᑦᑐᒥᒃ. ᕿᓚᓗᒐᖅᑕᐅᒐᔾᔭᓐᖑᐊᖅᑐᑦ ᐅᓄᕐᓂᖏᑦ ᖃᐅᔨᓴᖅᑕᐅᓪᓗᑎᒃ ᐋᖅᑭᒡᑕᐅᓚᐅᖅᑐᑦ ᓱᒃᑯᔾᔭᐅᔪᖅᑲᓚᐅᖅᑎᓪᓗᒍ. 6-ᒋᔾᖓ ᑎᑎᑯᑖᒃᓯᒪᔪᖅ ᓇᓗᓇᐃᖅᓯᔪᖅ ᐊᔾᔨᒌᖏᓐᓂᓇᔾᖏᓐᓂᒃ ᑐᒃᓯᕋᐅᑕᐅᔪᑉ ᑲᑎᓐᖓᔪᑦ ᓄᓈᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᑭᒡᓕᖅᑲᖅᑎᓪᓗᒍ 236-ᓂᒃ, ᑖᒃᑯᐊ ᐃᓱᒪᒃᓴᖅᓯᐅᖅᑲᓯᐅᔾᔨᖏᑦᑐᑦ ᑐᖅᑯᑕᐅᓚᐅᖅᑐᓂᒃ ᓱᒃᑯᔾᔭᐅᓯᒪᔪᖅᑲᖅᑎᓪᓗᒍ, ᐊᒻᒪ ᐋᖅᑭᒋᐊᖅᑕᐅᓪᓗᑎᒃ ᐅᓄᕐᓂᖏᑦ ᑲᑎᓐᖓᔪᑦ ᓄᓈᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᑭᒡᓕᖏᑦ ᐱᖅᑭᓯᐅᔾᔨᓯᒪᔪᑦ ᐊᔾᔨᒋᖏᑦᑐᓂᒃ ᖃᓄᐃᓐᓂᐅᔪᓂᒃ 2008-ᒥ ᓱᒃᑯᔾᔭᐅᓯᒪᔪᖅᑲᖅᑎᓪᓗᒍ ᑐᕐᑯᕋᓚᐅᖅᑐᓂᒃ ᐊᖑᓇᓱᒃᑕᐅᒐᑎᒃ.

ᓱᒃᑯᔾᔭᐅᓯᒪᔪᖅᑲᖅᑎᓪᓗᒍ ᑐᕐᑯᕋᖅᑐᑦ (ᐊᒃᐸᓯᖕᓂᖅᓴᖅ ᑭᒡᓕᖓ, ᖁᕙᓯᖕᓂᖅᓴᖅ ᑭᒡᓕᖓ)	ᐅᓄᕐᓂᖏᑦ ᐳᓴᓐᑎᖏᑎᒍᑦ 2008-ᒥ ᓱᒃᑯᔾᔭᐅᓯᒪᔪᑦ ᑐᕐᑯᕋᓚᐅᖅᑐᑦ ᖁᓛᓂ ᐊᖑᓇᓱᒃᑕᐅᒐᑎᒃ ᑐᕐᑯᕋᖅᑐᑦ	N_{min}	ᕿᓚᓗᒐᖅᑕᐅᒐᔾᔭᓐᖑᐊᖅᑐᑦ ᑭᒡᓕᖓ	ᑲᑎᓐᖓᔪᑦ ᓄᓈᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᑭᒡᓕᖓ (ᑭᖑᕐᖓᒍᑦ ᐊᓯᐅᔨᔾᔭᐅᔪᑦ)	ᐊᔾᔨᒋᖏᓐᓂᖓ
ᐅᓄᕐᓂᖃᖅᑎᓪᓗᒋᑦ (629, 700)	0%	15,074	301	236	0
	20%	14,858	297	232	-4
	40%	14,732	295	230	-6
	60%	14,605	292	228	-8
	80%	14,479	290	226	-10
	100%	14,353	287	224	-12
ᐅᓄᕐᓂᖃᖅᑎᓪᓗᒋᑦ (629, 800)	0%	15,074	301	236	0
	20%	14,848	297	232	-4
	40%	14,712	294	230	-6
	60%	14,577	292	228	-8
	80%	14,441	289	226	-10
	100%	14,305	286	224	-12
ᐅᓄᕐᓂᖃᖅᑎᓪᓗᒋᑦ (629, 900)	0%	15,074	301	236	0
	20%	14,839	297	232	-4
	40%	14,694	294	230	-6
	60%	14,548	291	227	-9
	80%	14,403	288	225	-11
	100%	14,258	285	223	-13

ᐅᕐᑲᐅᑕᐅᓂᖓ

ᐅᓄᕐᓂᖅᓴᐅᔪᑦ ᐊᖑᓇᓱᒃᑎᑦ ᐊᐱᖅᓱᖅᑕᐅᑎᓪᓗᒋᑦ ᓄᓇᓕᖏᓐᓂ ᖃᐅᔨᒪᓂᐅᔪᓂᒃ ᖃᐅᔨᓴᐃᓂᖃᖅᑎᓪᓗᒋᑦ ᐅᖃᖅᓯᒪᕗᑦ ᕿᓚᓗᒐᑦ ᐊᓪᓚᖑᐊᑦ ᕿᒪᐃᖃᑦᑕᕐᓂᖏᓐᓂᒃ ᖃᖏᖅᓱᐊᓂᒃ ᓱᑯᓚᐅᖅᑎᓐᓇᒍ ᓱᓕ (Remnant and Thomas 1992). ᓈᓚᐅᓯᖅᑕᐅᓯᒪᔪᑦ ᕿᓚᓗᒐᒃ ᑲᖏᖅᓱᐊᓂᑦ Eclipse Sound -ᒥ ᐋᒡᒌᓯ 1997-1999 ᐊᐅᓪᓚᓚᐅᖅᑐᑦ ᕿᑎᐸᓗᐊᓂ ᓱᑎᐱᕆᐅᑉ ᐊᒻᒪᓗ ᕿᑎᐸᓗᐊᓂ ᐊᒃᑐᕙᐅᑉ (Dietz et al. 2001, Heide-Jørgensen et al. 2002b) ᐊᒻᒪ ᐃᒪᐃᓕᓚᐅᖅᑐᖅ, ᐅᓄᕐᓂᖅᓴᐅᔪᑦ ᐊᐅᓪᓚᓚᐅᖅᑐᑦ ᐊᒃᑐᕙ 1-ᒥ. ᖃᓄᐃᒻᒪᒃᑭᐊᖅ ᕿᓚᓗᒐᐃᑦ ᑕᐅᕙᓂ ᑲᖏᖅᓱᐊᓂᖏᓐᓇᕐᓂᖅᐸᕋᑦ ᑭᖑᓂᑐᖃᖕᒐᒍᑦ ᐊᐅᓪᓚᕐᕕᒃᓴᖏᑕ 2008 ᖑᑎᓪᓗᒍ ᑕᒪᓐᓇ ᖃᐅᔨᒪᔾᔭᐅᖏᑦᑐᖅ. ᐊᐅᓪᓚᖃᑦᑕᕋᓗᐊᖅᒪᑕ ᓂᒋᐊᓄᑦ ᕿᑭᖅᑖᓗᑉ ᓄᕕᐱᕆᒥ. ᑭᓯᐊᓂᓕ ᓱᒃᑯᔾᔭᐅᓚᐅᖅᑐᑦ ᓯᓚ ᓂᒡᓚᓱᖕᓂᖃᓕᖅᑎᓪᓗᒍ -10°C-ᒥᑦ ᑎᑭᓪᓗᒍ -40°C ᐅᓐᓄᐊᖏᓐᓇᖅ ᐊᒻᒪ ᑕᐃᒪᓐᓇ ᓂᒡᓚᓱᐃᓐᓇᕐᓗᓂ ᐱᓇᓱᐊᕈᓯᕐᓄᑦ ᐅᓄᑲᓪᓚᒃᑐᓄᑦ.

ᐅᓄᖕᒋᑦᑐᓂᑦ ᐊᑯᓐᓂᖅᓱᖅᑐᓄᑦ ᐅᓄᕐᓂᖅᑲᕐᑯᖅᑐᑦ ᓱᒃᑯᔾᔭᐅᖅᑲᑦᑕᑐᐃᓐᓇᕆᐊᖅᑲᖅᐳᑦ ᕿᓚᓗᒐᑦ ᐊᓚᓚᓐᖑᐊᑦ (Heide-Jørgensen et al. 2002a) ᑭᓯᐊᓂᓕ ᓱᒃᑯᔾᔭᐅᔪᖅᑲᖅᑲᑦᑕᖅᑐᒃᓴᐅᔪᖅ ᖃᐅᔨᒪᔾᔭᐅᒐᑎᒃ ᐅᓄᕐᓂᖕᒋᓐᓄᑦ ᓯᐊᒻᒪᒃᑎᖅᓯᒪᔪᑦ ᕿᓚᓗᒐᑦ ᐃᓄᐃᓴᓂᖅᓴᐅᓪᓗᑎᒃ ᓱᒃᑯᔾᔭᐅᓯᒪᔪᑦ ᖃᐅᔨᔾᕐᓂᖕᒋᓐᓂᖅᓴᐅᖕᒪᑕ ᐅᓄᖅᑐᓂᑦ, ᐱᓗᐊᖅᑐᒥᒃ ᐅᖓᓯᒃᑐᒦᑎᓪᓗᒋᑦ. ᓱᒃᑯᔾᔭᐅᓯᒪᔪᖅᑲᖅᑎᓪᓗᒍ ᑕᐃᒪᓐᓇ ᐅᓄᖅᑎᒋᔪᓂᒃ ᑕᑯᔾᔭᐅᒐᔪᐃᐸᖅ ᐊᒻᒪ ᑭᓯᐊᓂ ᑕᐃᒪᓐᓇ ᐅᓄᖅᑎᒋᔪᓂᒃ ᐅᖃᐅᓯᖅᑐᖅᑲᖅᓯᒪᕗᖅ ᓄᓇᕗᒥ ᐊᕐᕌᒍᒐᓴᐃᑦ ᐊᓂᒍᖅᓯᒪᓕᖅᑎᓪᓗᒍ (Heide-Jørgensen et al. 2002a). ᑕᒪᓐᓇ ᓯᕗᓪᓕᖅᐸᐅᔪᖅ ᑕᐃᒪᓐᓇ ᐅᓄᕐᓂᖅᑲᖅᑎᒋᑎᓪᓗᒋᑦ ᓱᒃᑯᔾᔭᐅᓯᒪᔪᖅᑲᖅᑎᓪᓗᒍ ᑕᐅᕙ ᓂ Eclipse Sound ᖃᖕᒋᕐᓗᐊᓂ. ᐊᒃᑐᐃᓂᓇᔾᖓ ᑐᕐᑯᕋᖅᑐᓄᑦ ᐊᖑᓇᓱᒃᑕᐅᒐᑎᒃ, ᐱᖃᓯᐅᑎᓪᓗᒍ ᓱᒃᑯᔾᔭᐅᔪᑦ ᐊᒃᑐᐃᓂᖃᖅᐳᖅ ᐅᓄᖅᓯᕙᓪᓕᐊᓂᖕᒋᓄᑦ ᐊᑐᖅᑕᐅᕙ ᒃᑐᓂᒃ ᕿᓚᓗᒐᖅᑕᐅᒐᔾᔭᖑᐊᖅᑐᑦ ᐅᓄᕐᓂᖕᒋᓐᓂᒃ. ᑖᓐᓇ ᐅᒃᑐᕋᐅᑎ ᐃᔾᔪᐊᒐᒃᓴᖅ ᓇᓗᓇᐃᖅᓯᓯᒪᓕᓈᕐᒪᑦ 2008-ᒥ ᓱᒃᑯᔾᔭᐅᓯᒪᔪᑦ ᐊᒃᑐᐃᓂᖃᓗᐊᖅᑐᒋᔾᔭᐅᓇᓂ ᐅᓄᖅᑐᐊᓘᓂᖕᒋᓐᓄᑦ ᕿᓚᓗᒐᑦ ᐊᓪᓚᓐᖑᐊᑦ ᑕᐅᕙᓂ.

ᑲᑎᓐᖓᔪᑦ ᓄᓈᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᑭᒡᓕᖓᓄᑦ ᐅᖃᐅᔾᔨᒋᐊᓚᐅᖅᓯᒪᔪᑦ ᑐᓐᖓᕕᒋᔾᔭᐅᓪᓗᑎᒃ ᕿᓚᓗᒐᖅᑕᐅᒐᔾᔭᖑᐊᖅᑐᑦ ᐅᓄᕐᓂᖕᒋᓐᓂᒃ (Wade 1998), ᐱᐅᓯᐅᔪᖅ ᐃᓱᒪᒋᔾᔭᐅᓚᐅᖅᑐᖅ ᐱᐅᖅᓱᐊᕐᓂᖓᓂᒃ ᐊᒻᒪ ᐊᑐᕈᓐᓇᖅᑐᒋᔾᔭᐅᓪᓗᓂ ᐃᓱᒪᒋᔾᔭᐅᔪᓄᑦ ᖃᐅᔨᒪᔾᔭᐅᖕᒋᑦᑐᓄᓪᓗ (Hammill and Stenson 2007). ᖃᐅᔨᓚᐅᖅᑐᒍᑦ ᑲᑎᓐᖓᔪᑦ ᓄᓈᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᑭᒡᓕᖓ ᓴᖅᑭᑕᐅᖕᖓᓚᐅᖅᑐᖅ ᓯᕗᓪᓕᕐᒥ (ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᑦ 2008) ᐃᓄᐃᓴᓕᒋᐊᖅᑕᑐᐃᓐᓇᕐᓗᑎᒃ 13-ᖕᒋᓐᓇᕐᓂᒃ ᐅᕝᕙᓗ ᐅᓄᖕᒋᓐᓂᖅᓴᓄᑦ ᕿᓚᓗᒐᕐᓄᑦ ᐱᔪᓐᓇᖅᑐᑦ ᐱᖃᓯᐅᔾᔭᐅᓕᕐᑯᓪᓗᒋᑦ ᑕᐃᒃᑯᐊ ᓱᒃᑯᔾᔭᐅᓚᐅᖅᓯᒪᔪᑦ. ᑕᐃᒪᓕ ᐅᓄᖅᑐᐊᓗᖕᓂᒃ ᓱᒃᑯᔾᔭᐅᔪᖃᕐᓂᖅᐸᑦ ᖃᐅᔨᒪᓂᖅᓴᐅᓕᕐᓂᐊᖅᑐᒍᑦ ᓯᕗᓂᒃᓴᒥ ᐅᖃᐅᔾᔨᒋᐊᕈᑎᓕᐅᕈᑎᑦ ᑲᑎᓐᖓᔪᑦ ᓄᓈᖅᑕᐅᔪᑦ ᑭᒡᓕᖕᒋᑦ ᑕᑯᒋᐊᖅᑕᐅᑲᓐᓂᑐᐃᓐᓇᕐᓗᑎᒃ.

ᑕᐃᒪᐃᑦᑐᒥ ᖃᒥᕐᕈᓂᕐᒥ, ᕿᓚᓗᒐᑦ ᐅᓄᕐᓂᖕᒋᑦ ᐅᒃᑐᕋᐅᑎᒥᒃ ᐊᑐᕐᓗᑎᒃ ᐱᓕᕆᐊᖃᓚᐅᖅᑐᑦ ᐅᒪᔪᑦ ᐊᕐᓇᓪᓗᐃᑦ ᐊᖑᓴᓪᓗᐃᑦ ᐊᒻᒪ ᐅᑭᐅᖃᑎᒌᖕᒋᑦᑐᑦ ᐊᒃᑐᖅᑕᐅᓚᐅᕐᒪᑕ ᐅᓄᕐᓂᕆᔾᔭᖕᒋᑦ ᓱᒃᑯᔾᔭᐅᓯᒪᔪᓄᑦ, ᑕᐃᑦᓱᒪᓂᓗ ᓱᒃᑯᔾᔭᐅᔪᑦ ᐅᓄᕐᓂᖅᓴᐃᑦ ᐊᕐᓇᓪᓘᓚᐅᖅᑐᑦ, ᐊᒻᒪ ᐃᓂᖅᓯᒪᖕᒋᑦᑐᑦ ᐊᒻᒪᓗ ᐅᒋᐊᖃᐅᓚᐅᖅᑐᑦ. 93-ᖑᔪᑦ ᕿᓚᓗᒐᑦ ᑐᒦᖕᒋᑦ ᓂᐅᕐᕈᑕᐅᓂᕐᖅᑕᐅᓚᐅᖅᑐᑦ ᑯᐊᐸᒃᑯᓐᓄᑦ ᑭᖑᕐᖅᓴᒍᑦ ᓱᒃᑯᔾᔭᐅᓯᒪᔪᓂᒃ ᕿᓚᓗᒐᓚᐅᖅᑎᓪᓗᒋᑦ. ᐃᓱᒪᒋᓪᓗᒋᑦ ᐃᓘᓐᓇᖕᒋᑦ ᑐᒦᑦ ᓂᐅᕐᕈᑕᐅᓐᓂᖅᐸᑕ ᐅᓄᕐᓂᖕᒋᑦ ᐅᓄᖕᒋᑦᑐᓂᒃ ᐃᓐᓇᓪᓚᓇᖕᓂᒃ ᐱᔪᒃᓴᐅᓐᓂᖅᐳᑦ (288) ᐊᖑᓇᓱᒃᑎᓄᑦ ᕿᓚᓗᒐᖅᑕᐅᔪᑦ ᐊᖑᓴᓪᓗᓚᐅᖅᑐᑦ ᐊᒻᒪ ᐊᕐᓇᓪᓘᓪᓗᑎᒃ. ᐊᖑᓇᓱᒃᑎᑦ ᐅᖃᓚᐅᖅᑐᑦ ᐅᓄᖅᑐᑦ ᐊᖑᓴᓪᓗᐃᑦ ᐊᐅᓪᓚᕐᓂᖕᒋᓐᓂᒃ ᓯᕗᖅᓴᒍᑦ ᓱᒃᑯᔾᔭᐅᓚᐅᖕᒋᓐᓂᖕᒋᓐᓂ ᓯᑯᕋᑖᒥᒃ ᓯᕐᑯᑦᑎᓇᔪᓐᓇᕐᓗᒪᑦ (7-10 cm ᐃᔾᔪᓂᖃᖅᑐᒥᒃ), ᐊᑐᕐᓗᑎᒃ ᐊᖕᒋᓂᕐᒥᓂᒃ ᓴᓐᖕᒋᓂᕐᒥᖕᓂᒃᓗ. ᐊᕐᓇᓪᓗᐃᑦ ᓴᓐᖕᒌᓐᓂᖅᓴᐅᓗᒥᒃ ᐱᖃᑎᖃᒧᓪᓗ ᕿᑐᖕᓴᒥᖕᓂᒃ ᐊᐅᓪᓚᕈᓐᓇᐃᓪᓕᐅᖅᑲᓚᐅᖅᑐᑦ (Blair Dunn, DFO, pers. comm.). ᐅᓄᕐᓂᖅᐹᖑᔪᑦ ᐊᒃᑐᖅᑕᐅᔪᑦ ᕿᓚᓗᒐᕐᓄᑦ ᕿᑐᖕᒋᐅᕈᓐᓇᕐᓂᖕᒋᑦ ᐊᒃᑐᖅᑕᐅᖕᒋᓐᓂᖅᐹᖑᓪᓗᑎᒃ ᐅᒋᐊᖕᒋᑦ ᐊᓯᐅᔨᔾᔭᐅᖕᒋᓐᓂᖅᓴᐅᓪᓗᑎᒃ.

ᑕᐃᒪᐃᑦᑐᒃᒥ ᐃᔾᔪᐊᖅᓯᔾᔪᑎᒃᓴᒥᒃ ᐱᑕᖃᖕᒋᒻᒪᑦ ᐱᓪᓗᒍ ᑐᓴᒐᒃᓴᖃᖕᒋᓐᓂᖕᒋᓐᓄᑦ ᖃᑦᓯᐅᓚᐅᕐᓂᖕᒋᑦ ᐊᖑᖕᒋᓴᓪᓗᐃᑦ ᐊᕐᓇᓪᓗᐃᓪᓗ ᓱᒃᑯᔾᔭᐅᓚᐅᖅᑳᖅᑎᓐᓇᒋᑦ. ᑕᐃᒪᐃᒃᑲᓗᐊᖅᑎᓪᓗᒍ, ᕿᓚᓗᒐᖃᑕᕐᓂᖅᓴᐅᔪᑦ ᐊᖑᓴᓪᓗᖕᓂᒃ ᐊᕐᓇᓪᓗᐃᑦ ᐱᔭᐅᖕᒋᓐᓂᖅᓴᐅᓪᓗᑎᒃ (JCNB 2009), ᕿᓚᓗᒐᖅᓯᐅᖅᑐᑦ ᓂᕈᐊᕐᓂᖕᒋᑦ ᓱᒃᑯᔾᔭᐅᓯᒪᔪᓂᒃ ᐊᔾᔨᖃᖕᒋᒻᒪᑦ, ᕿᓚᓗᒐᖅᑕᐅᓪᓗᐊᖅᑐᑦ ᐅᓄᕐᓂᖕᒋᓐᓂᒃ ᐊᑐᕐᓗᑎᒃ ᑕᐃᒪᐃᑦᑐᒧᖓ ᓇᓗᓇᐃᖅᓯᔪᑦ ᐊᑐᖅᑕᐅᔪᓐᓇᕐᓂᖕᒋᓐᓂᒃ ᐋᖅᑭᒃᓱᐃᔾᔪᑕᐅᓗᓂ (Wade 1998).

ᖃᐅᔨᒪᔾᔭᐅᖕᒋᒻᒥᔪᖅ ᑖᒃᑯᐊ ᕿᓚᓗᒐᐃᑦ Eclipse Sound-ᒥᓐᖓᕐᒪᖓᑕ. ᒪᕐᕉᒃ ᓂᕕᖓᑖᓕᖅᓯᒪᔪᒃ ᕿᓚᓗᒐᒃ Admiralty Inlet ᕿᓚᓗᒐᖕᒋᑦ ᐊᖅᑯᓵᓚᐅᕐᒪᑕ Eclipse Sound-ᒧᑦ ᕿᓚᒥᕈᓗᒃ ᐅᑭᐊᒃᓵᓂ 2003 ᐊᒻᒪ ᐅᑭᐊᒃᓵᖓᓂ 2004 ᑭᓯᐊᓂ ᑕᒪᒃᑮᖕᓂ ᐊᕐᕌᒍᓂ, ᐊᐅᓪᓚᖃᑦᑕᓚᐅᖅᑐᑦ ᕿᑎᐊᓂ ᐊᒃᑐᕙ ᐅᑉ (Dietz et al. 2008). ᓇᓗᓇᕐᒪᑦ ᖃᐅᔨᓴᕆᐊᒃᓴᖅ Admiralty Inlet-ᒥᓐᖓᖅᑐᑦ ᕿᓚᓗᒐᑦ ᐃᓱᓚᐅᕐᒪᖓᑕ ᖃᖕᒋᕐᓗᖕᒧᑦ ᑕᕝᕗᖓ 2008-ᖑᑎᓪᓗᒍ ᐊᒻᒪ, ᑕᐃᒪᐃᑉᐸᑦ, ᑕᐅᕙᓃᑦᓱᔾᔭᕐᓂᕐᒪᖓᑕ ᓱᒃᑯᔾᔭᐅᓯᖓᕐᓗᑎᒃ. ᕿᒥᕐᕈᓂᐅᔪᖅ ᐅᑯᓇᓂ ᑎᑎᕋᖅᓯᒪᔪᓂ ᐃᓱᒪᕗᑦ ᓱᒃᑯᔾᔭᐅᓚᐅᖅᑐᑦ ᕿᓚᓗᒐᐃᑦ Eclipse Sound ᕿᓚᓗᒐᖕᒋᐅᔪᓇᔾᔭᐅᓪᓗᑎᒃ.

ᐃᓱᓕᓐᓂᐊ

ᓇᐃᓈᕐᓗᒍ,

- ᓯᒃᑯᔾᔭᐅᓯᒪᓚᐅᖅᑐᑦ ᐅᓄᕐᓂᕐᑲᖅᑐᑦ ᐅᖓᑖᓂ 629 ᕿᓚᓗᒐᖕᒋᑦ Eclipse Sound ᓄᕕᐱᕆ 2008-ᖑᑎᑦᓗᒍ.
- ᕿᒥᕐᕈᓂᐅᔪᖅ ᐊᒃᑐᐃᓂᕆᔭᖕᒋᓐᓂᒃ ᑕᐃᒪᓐᓇ ᐅᓄᖅᑎᒋᔪᓂᒃ ᕿᓚᓗᒐᓂᒃ ᑐᕐᑯᔪᖅᑲᖅᑎᑦᓗᒍ ᓴᖅᑭᑕᐅᒐᓱᐊᖅᑐᓄᑦ ᑲᑎᓐᖓᔪᑦ ᓄᓈᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᑭᒡᓕᖕᒋᓐᓂᒃ ᕿᓚᓗᒐᖕᒋᓐᓂᑦ.
- ᖃᓄᐃᓕᒐᔭᕐᒪᖔᑦ ᖃᐅᔨᓴᕈᑎᐅᔪᑦ ᐃᔾᔪᐊᒐᒃᓴᑦ ᐊᑐᖅᑕᐅᓚᐅᖅᑐᑦ ᐊᔾᔨᒌᖕᒋᓐᓂᕆᔭᖕᒋᓐᓂᒃ ᒥᒃᓴᐅᓴᒃᓯᑎᑦᓗᒋᑦ ᑲᑎᓐᖓᔪᑦ ᓄᓈᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᑭᒡᓕᖕᒋᒃ ᓴᖅᑭᑦᓯᒐᓱᐊᖅᑎᑦᓗᒋᑦ ᐊᑐᓚᐅᖅᑐᑦ ᖃᓄᐃᓐᓂᐅᔪᓂᒃ ᐊᔾᔨᒌᖕᒋᑦᑐᓂᒃ. ᖃᓄᐃᓕᒐᔭᕐᒪᖔᑕᓗ ᐅᓄᖅᑐᒻᒪᕆᑦ ᑐᕐᑯᕋᕐᓂᖅᐸᑕ ᐊᖑᓇᓱᒃᑕᐅᖕᒋᑦᓗᑎᒃ.
- ᐃᔾᔪᐊᒐᒃᓴᐅᔪᖅ ᓇᓗᓇᐃᖅᓯᓚᐅᖅᑐᖅ, ᑐᕐᑯᕋᖅᐸᑕ ᓯᒃᑯᔾᔭᐅᓯᒪᓗᑎᒃ ᐃᓘᓐᓇᖕᒋᑦ ᐅᓄᕐᓂᖅᓴᐅᕗᑦ ᐊᖑᓇᓱᒃᑕᐅᖕᒋᑦᓗᑎᒃ ᑐᕐᑯᔪᓂᑦ, ᑲᑎᓐᖓᔪᑦ ᓄᓈᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᑭᒡᓕᖓ ᐃᓄᐃᓴᒡᓕᒋᐊᖅᑕᐅᑐᐃᓐᓇᕆᐊᖃᖅᐳᖅ 13-ᓂᒃ ᐅᓄᖕᒋᓐᓂᖅᓴᓂᒡᔫᓐᓃᑦ ᕿᓚᓗᒐᒐᒃᓴᓂᑦ.
- ᓯᒃᑯᔾᔭᐅᓯᒪᔪᕐᑲᕐᑲᑦᑕᓕᖅᐸᑦ ᑕᐃᒪᓐᓇ ᐅᓄᖅᑎᒋᔪᓂᒃ, ᓄᓈᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᑭᒡᓕᖓ ᕿᒥᕐᕈᔾᔭᐅᒃᑲᓐᓂᕆᐊᕐᑲᕋᔾᔭᖅᑐᖅ.

ᐃᑲᔪᖅᓯᔪᑦ ᐅᑯᐊ ᓴᓇᔾᔭᐅᑎᑦᓗᒋᑦ

Name	Affiliation
Don Bowen ᑖᓐ ᐳᐊᓐ	ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᑭᒡᓕᓯᓂᐊᑎᖕᒐᑦ, ᑲᓇᑕᐅᑉ ᑲᓇᖕᓇᖕᒐᓄᑦ
Holly Cleator ᕼᐊᓕ ᑭᓕᐊᑐ	ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᑭᒡᓕᓯᓂᐊᑎᖕᒐᑦ, ᑲᓇᑕᑉ ᕿᑎᐊᓄᑦ ᐅᑭᐅᖅᑕᖅᑐᕐᒧᑦᓗ
Blair Dunn ᐱᓕᐅ ᑕᓐ	ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᑭᒡᓕᓯᓂᐊᑎᖕᒐᑦ, ᑲᓇᑕᑉ ᕿᑎᐊᓄᑦ ᐅᑭᐅᖅᑕᖅᑐᕐᒧᑦᓗ
John Ford ᔫᓐ ᕗᐊᑦ	ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᑭᒡᓕᓯᓂᐊᑎᖕᒐᑦ, ᐸᓯᕕᒃᒥᐅᓄᑦ
Mike Hammill ᒪᐃ ᕼᐊᒧᑦ	ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᑭᒡᓕᓯᓂᐊᑎᖕᒐᑦ, ᑯᐃᐸᐃᒡᒥᐅᓄᑦ
Jack Lawson ᔫᒃ ᓛᓴᓐ	ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᑭᒡᓕᓯᓂᐊᑎᖕᒐᑦ, ᓂᐅᕙ ᓐᓛᓐ ᐊᒻᒪ ᓚᐸᑐᐊᕐᒥᐅᓄᑦ
Kathleen Martin (Chair) ᑳᑦᓛᓐ ᒫᑎ (ᐃᒃᓯᕙ ᐅᑕᖅ)	ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᑭᒡᓕᓯᓂᐊᑎᖕᒐᑦ, ᑲᓇᑕᑉ ᕿᑎᐊᓄᑦ ᐅᑭᐅᖅᑕᖅᑐᕐᒧᑦᓗ
Pierre Richard ᐱᐊᕆ ᕆᓵᑦ	ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᑭᒡᓕᓯᓂᐊᑎᖕᒐᑦ, ᑲᓇᑕᑉ ᕿᑎᐊᓄᑦ ᐅᑭᐅᖅᑕᖅᑐᕐᒧᑦᓗ
Gary Stenson ᑎᐅᕆ ᓯᑎᐊᓐᓯᓐ	ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᑭᒡᓕᓯᓂᐊᑎᖕᒐᑦ, ᓂᐅᕙ ᓐᓛᓐ ᐊᒻᒪ ᓚᐸᑐᐊᕐᒥᐅᓄᑦ
Rob Stewart ᖁᑉ ᓯᑐ ᕋᑦ	ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᑭᒡᓕᓯᓂᐊᑎᖕᒐᑦ, ᑲᓇᑕᑉ ᕿᑎᐊᓄᑦ ᐅᑭᐅᖅᑕᖅᑐᕐᒧᑦᓗ

ᐊᖕᒋᖅᑕᐅᔪᑦ

ᒥᓯᐅᑦ ᐅᐃᑦᓕ, ᐊᒡᒍᖅᑐᖅᓯᒪᓂᕐᒥ ᑐᒧᐊᒃᑎᑦᓯᔨ ᑭᒡᓕᓯᓂᐊᖅᑎᓄᑦ
ᖁᑉ ᔭ, ᒥᐊᓂᖅᓯᔨ, ᐅᑭᐅᖅᑕᖅᑐᕐᒥ ᐃᒪᕐᒥᐅᑕᓂᒃ ᖃᐅᔨᓴᐃᓂᕐᒧᑦ
(ᐊᖕᒋᖅᑕᐅᔪᖅ ᔪᓚᐃ 25, 2012)

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ᐅᑯᐊ ᐅᓂᒃᑳᓕᐊᑦ ᐊᑐᐃᓐᓇᐅᔪᑦ ᐅᕙᓂ:

Center for Science Advice (CSA)
Central and Arctic Region
Fisheries and Oceans Canada
501 University Crescent
Winnipeg, Manitoba R3T 2N6

ᐅᖁᓚᐅᑖ: (204) 983-5131
ᖃᓇᑕᐅᔭᒃᑯᑦ ᑎᑎᕋᕈᑎᖓ: xcna-csa-cas@dfo-mpo.gc.ca
ᐱᑐᒡᕕᖕᒐᑕ ᑐᕋᕈᑎᖓ: www.dfo-mpo.gc.ca/csas-sccs

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