ᑐᓐᓂᕆᔭᐅᔪᖅ ᐅᑯᓄᖓ

ᓄᓇᕗᒻᒥ ᐆᒪᔪᓕᕆᔨᔭᔪᐊᒃᑯᑦ ᑲᑎᒪᔨᖏᓐᓄᑦ

ᐅᑯᓄᖓ

ᑐᑭᓯᐅᒪᔾᔪᑎᔅᓴᖅ: **ᐋᖅᑭᒋᐊᕆᔾᔪᑖ ᐊᑐᖅᑕᐅᔪᒧᑦ ᐅᓪᓗᒥ ᑭᓕᖅᑲᐅᑖ ᐊᖑᓂᒃᑕᐅᔪᓐᓇᖅᑐᑦ ᓂᔾᔪᑎᑦ ᓇᐃᓴᐅᑎᖏᓄᑦ ᖁᑭᖅᑖᓗᑉ ᐃᒪᕕᐊᑕ ᑑᒐᓕᑦ ᖁᓚᓗᒐᖁᑎᖏᓐᓂᒃ ᐊᒻᒪᑦᑕᐅᖅ ᐊᐅᓱᐃᑦᑑᑉ ᓯᒥᑦ ᐃᑭᕋᓴᖏᓐᓂᒃ ᖁᓚᓗᒐᕆᓲᖏᓄᑦ, ᓄᓇᕗᒧᑦ ᐊᖏᖅᑕᐅᓂᐊᓄᓪᓗ ᑑᒐᓕ ᓇᓖᕋᕆᔪᖅ ᑰᑕᒃᑯᑦ ᐊᐅᓚᑦᑎᔾᔪᑎᖓ**

ᓇᑭᓐᖓᖅᓯᒪᓂᐊ

ᐋᒐᓯ 2013-ᒥ, ᐃᒪᒻᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᑕᕆᐅᖏᓄᓪᓗ ᑲᓇᑕᒥ (ᐃᒪᒻᒥᐅᑕᓕᕆᔨᒃᑯᑦ) ᐱᓕᕆᐊᖃᓚᐅᖅᑐᑦ ᓯᕗᓪᓕᖅᐹᑦᑎᐊᒥᒃ ᐊᐅᔨᑎᓪᓗᒋᑦ ᖃᖓᑕᓲᒃᑯᑦ ᖃᐅᔨᓴᐃᓂᐅᔪᒥᒃ ᑕᒪᒃᑭᖅᓱᒋᑦ ᑖᒃᑯᐊ ᐊᕝᕕᓂᓕᐅᔪᑦ ᐊᒡᒍᖅᑕᐅᓯᒪᔪᑦ ᑲᓇᑕᒥ ᑑᒐᓕᑦ ᖃᓚᓗᒐᖏᑕ ᐊᐅᔨᕝᕕᒋᓲᖏᓐᓄᑦ ᖁᑦᑎᒃᑑᑉ ᐅᑭᐅᖅᑕᖅᑐᐊᓂ. ᑰᒐᓇᔫᑉ ᖃᑭᖅᑕᖓᑕ ᖃᓚᓗᒐᖏᑦ, ᐃᑉᐱᐊᔾᔫᑉ ᑲᖏᖅᓱᐊᓗᐊᑕ ᖃᓚᓗᒐᖏᑦ, ᒥᑦᑎᒪᑕᓕᐅᑉ ᑕᓯᐅᔭᖓᑕ ᖃᓚᓗᒐᖏᑦ, ᑲᓇᓐᓇᐅᑉ ᖃᑭᖅᑖᓗᑉ ᖃᓚᓗᒐᖏᑦ ᐃᓗᐊᓂ ᖃᑭᖅᑖᓗᐃ ᐃᒪᕕᐊᑕ ᑑᒐᓕᑦ ᖃᓚᓗᒐᖏᓂᒃ, ᐊᒻᒪᑦᑕᐅᖅ ᐊᐅᓱᐃᑦᑑᑉ ᓯᒥᑦ ᐃᑭᕋᓴᖓᓂ ᑑᒐᓕᑦ ᖃᓚᓗᒐᖁᑎᖏᑦ ᐊᕙᑖᓂ ᐊᐅᓱᐃᑦᑑᑉ ᓄᓇᓕᐊᑕ (ᑕᑯᔭᓴᖅ 1). ᐃᒪᒻᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᖃᐅᔨᓴᖅᑎᖏᑦ ᐊᑐᖅᓱᑎᒃ ᑕᑯᓴᕈᖅᓯᒪᔪᓂᒃ ᖃᐅᔨᓴᑎᒍᑦ ᓇᐃᓴᐅᓂᐅᔪᓂᒃ ᓇᓚᐅᑦᑖᕈᑎᑦ ᐊᒥᓲᓂᖏᑕ ᑑᒐᓕᑦ ᖃᓚᓗᒐᖏᑦ ᓇᐃᓴᐅᓯᕋᓱᒃᓱᒍᓗ ᐃᓱᖃᐅᑖ ᐱᔪᓐᓇᖅᑎᑕᐅᔪᑦ ᓄᓈᖅᑕᐅᔪᓐᓇᖅᑐᓂᒃ ᖃᓚᓗᒐᓄᑦ (TALC) ᐊᑐᓕᖅᑯᔭᐅᓯᒪᔪᑦ ᑕᒪᐃᓐᓄᑦ ᐊᒡᒍᖅᑕᐅᓯᒪᑎᑕᐅᔪᓄᑦ ᑑᒐᓕᑦ ᖃᓚᓗᒐᖏᓄᑦ (ᖃᒥᕐᕈᔭᓴᖅ 1) ᑕᑯᔭᐃᓐᓇᕆᓪᓗᒋᑦ, ᑖᓐᓇ ᐊᕐᕌᒍᒧᑦ 2013 ᐊᒥᓲᓂᖏᓄᑦ ᓇᓚᐃᑦᑖᕈᑎᖓ ᑲᓇᑕᐅᑉ ᖁᑦᑎᒃᑐᒥ ᑑᒐᓕᑦ ᖃᓚᓗᒐᑦ ᖁᑦᑎᓐᓂᖅᓴᐅᔪᖅ ᓯᕗᓂᐊᒍᑦ ᓇᓚᐅᑦᑖᖑᔪᓄᑦ ᐊᖅᐸᓯᒋᐊᖅᓯᒪᓪᓗᓂ ᒥᑦᑎᒪᑕᓕᐅᑉ ᑕᓯᐅᔭᖓᑕ ᖃᓚᓗᒐᖁᑎᖏᑦ, ᑖᒃᑯᐊ ᖃᒪᕈᑎᓯᒪᓂᖏᑦ ᓴᖅᑮᓪᓗᑎᒃ ᐊᖅᐸᓯᒋᐊᕆᓂᖏᑕ ᖃᑎᓪᓗᐊᐸᓗᐊᓄᑦ ᓯᕗᓂᐊᒍᑦ 2004 ᖃᐅᔨᓵᖑᒻᒪᑕ ᖃᐅᔨᓴᖅᑎᓄᑦ (ᐸᐱᕈᓕᒃ 1- ᐊᒥᓲᓂᖏᓄᑦ ᓇᓚᐅᑦᑖᖑᔪᑦ ᑑᒐᓕᑦ ᖃᓚᓗᒐᖏᓄᑦ ᖃᓇᑕᐅᑉ ᖁᑦᑎᒃᑐᐊᑕ ᐅᑭᐅᖅᑕᖅᑐᐊᓂ ᐊᕐᕌᒍᖓᓄᑦ 2013).

ᖃᐅᔨᓴᖅᑎᓄᑦ ᐅᖃᐅᔾᔨᖅᓱᐃᔾᔪᑏᑦ ᐱᔭᐅᓚᐅᕆᕗᑦ ᖃᔪᓯᑦᑎᐊᕈᓐᓂᒻᒪᖔᑦ ᑕᒪᓐᓇ ᐊᑐᕈᒪᔭᐅᔪᖅ "ᓇᓖᕋᕈᑖ ᑰᑕᒃᑯᑦ ᐊᐅᓚᑦᑎᔾᔪᑦ" ᐊᑐᖅᑕᐅᒐᓚᒃᓯᒪᔪᖅ ᑕᐃᑲᓐᖓᓂᑦ ᐊᕐᕌᒍᐊᑕ 2013. ᑖᓐᓇ ᓇᓖᕋᕈᑎᓕᒃ ᑰᑕᒧᑦ ᐊᐅᓚᑦᑎᔾᔪᑦ ᐊᔪᖅᑎᑦᑎᖏᑦᑐᖅ ᐊᕐᕌᒍᒃᑲᓐᓂᒻᒧᑦ ᓈᑎᓇᔪᓐᓇᓐᓂᒻᒥᒃ ᐊᑐᖅᓯᒪᖏᑦᑐᓂᒃ ᓂᕕᖕᖓᒃᑯᑖᓂᒃ TAH-ᒥ ᑭᖑᓂᐊᒍᑦ ᖃᓚᓗᒐᕋᓱᓐᓇᖅᓯᒻᒥᒍᓂ ᐊᑐᕈᓐᓇᖅᓯᓗᓂ.

ᖃᐅᔨᓴᖅᑎᓄᑦ ᐅᖃᐅᔾᔨᖅᓱᐃᔾᔪᑏᑦ ᓇᓗᓇᐃᓇᔪᖅ ᑕᒪᓐᓇ ᓇᓖᕋᕈᑖ TAH ᐊᐅᓚᑦᑎᔾᔪᑖ ᐊᒻᒪ ᓂᕕᖕᖓᒃᑯᑖᑦ ᓈᑕᐅᓂᖏᓄᑦ ᐊᑐᐊᒐᖅ ᐅᓪᓗᒥ ᐊᑐᖅᑕᐅᔪᖅ ᑑᒐᓕᑦ ᖃᓚᓗᒐᖏᓄᑦ ᑲᔪᓯᑦᑎᐊᕈᓐᓇᓐᓂᐊᓂᒃ, ᑕᒪᓐᓇ ᑲᑎᓕᒫᖅᑐᖅ ᐊᖑᓇᓱᒃᑎᓄᑦ ᑐᑦᑯᓴᐃᓂᖓ ᑕᒪᐃᑎᒍᑦ ᐊᕐᕌᒍᑦ-ᑕᓪᓕᒪᑦ ᐃᓗᐊᒍᑦ ᐅᖓᑕᐅᔾᔨᖕᒋᑐᐊᕈᓂ ᑕᓪᓕᒪᐃᖅᓱᓪᓗᐊᖅᑕᖓᑕ ᓴᖅᑭᑐᐃᓐᓇᕆᐊᓖᑦ ᐆᒪᔪᐃᑦ ᓂᖅᑲᔭᐅᓂᖏᑦ (PBR) ᓇᐃᓴᐅᑖᓄᑦ (ᐸᐱᕈᑎᓕᒃ 2 - ᑲᔪᓯᑦᑎᐊᕈᓐᓇᓐᓂᐊ ᓇᓖᕋᕈᑖ ᐊᐅᓚᑦᑎᔾᔪᑎ ᐃᓱᖃᐅᑖ ᐱᔪᓐᓇᖅᑎᑕᐅᔪᑦ ᓄᓈᖅᑕᐅᔪᓐᓇᖅᑐᓂᒃ ᖃᓚᓗᒐᓄᑦ).

ᑑᒐᓕᑦ ᖃᓚᓗᒐᖏᑦ ᑎᒃᑯᒃᐊᖅᑕᐅᓯᒪᔪᑦ ᐊᔾᔨᐅᖏᑦᑐᒥᒃ ᐃᓱᒫᓗᑕᐅᓪᓗᑎᒃ ᑲᑎᒪᔨᕋᓛᖏᓄᑦ ᖃᓄᐃᑦᑑᓂᖏᑕ ᐅᓗᓇᐊᓇᖅᑐᒦᑦᑐᑦ ᐆᒪᔪᑦ ᑲᓇᑕᒥ (COSEWIC). ᑎᑎᖅᑕᐅᓯᒪᒋᕗᑦ ᐃᓗᐊᒍᑦ ᐅᐃᒍᖓᑕ II ᐃᓗᐊᓂ ᐊᖏᖅᑲᑎᑏᒍᑦ ᓄᓇᔾᔪᐊᒻᒥ ᑕᐅᖅᓲᖅᑲᑎᑏᒍᑎᖏᓄᑦ ᓄᖑᑉᐸᓪᓕᐊᓕᖅᑐᑦ ᐆᒪᔪᖏᓄᑦ ᐱᕈᐃᔭᐅᓯᒪᖏᑦᑐᓄᑦ ᓂᔾᔪᑎᓄᑦ ᐱᕈᖅᑐᓄᓪᓗ (CITES) ᐊᒻᒪᓗ ᐅᓗᓇᐊᓇᖏᑦᑐᒧᑦ ᖃᐅᔨᔭᐅᔾᔪᑕᐅᔪᖅ (NDF) ᐃᒪᒻᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᖃᐅᔨᓴᖅᑎᖏᓄᑦ ᐊᖏᖅᑎᖓ ᑐᓂᓯᓯᒪᔭᕆᐊᓕᒃ ᐱᔪᓐᓇᐅᑎᒥᒃ ᐊᐅᓪᓛᖅᑎᑦᑎᓂᒻᒧᑦ CITES ᓯᓚᑖᓈᕈᑖ/ᐊᓯᐊᓄᓪᓗ ᐊᐅᓪᓛᕆᔾᔪᑖᑕ ᐱᔪᓐᓇᐅᑖ ᓄᓇᔾᔪᐊᒥ ᑕᐅᖅᓲᖅᑲᑏᖅᑲᑦᑕᖅᑐᓄᑦ ᑑᒐᓄᑦ ᑲᓇᑕᒥ ᓴᖅᑭᓯᒪᔪᓄᑦ. ᐅᓪᓗᒥ ᐱᐅᔪᒥᒃ NDF ᓴᖅᑭᓯᒪᔪᓕᒃ ᑕᒪᐃᓐᓄᑦ ᑲᓇᑕᐅᑉ ᖃᓚᓗᒐᖏᓄᑦ.

ᑐᙵᕕᒋᓪᓗᒋ ᐊᖅᐸᓯᓐᓂᖅᓴᑦ 2013 ᐊᖅᐸᓯᒋᐊᖅᓯᒪᓪᓗᓂ ᒥᑦᑎᒪᑕᓕᐅᑉ ᑕᓯᐅᔭᖓᑕ ᕿᓚᓗᒐᕐᑯᑎᖏᑦ, ᑖᓐᓇ ᐅᓪᓗᒥᐅᔪᖅ ᐃᓱᖃᐅᑖ ᓄᓈᖅᑕᐅᔪᓐᓇᖅᑐᓄᑦ ᕿᓚᓗᒐᒐᔅᓴᓄᑦ (TAH) ᐃᓱᓕᒃ 236 ᑲᑕᒋᐊᕆᐊᖃᖅᑐᖅ ᐅᕗᖓ 134, ᒪᓕᓪᓗᓂ ᓄᑖᖑᔪᓄᑦ TALC ᐅᖃᐅᔾᔨᖅᓱᑎᖏᓐᓄᑦ, ᐃᒪᒻᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᖃᐅᔨᓴᖅᑎᖏᓄᑦ ᐊᖏᖅᑎᖓ ᑐᓂᓯᔭᕆᐊᖃᕋᔭᖅᑐᖅ ᐱᐅᔪᒥᒃ NDF ᑐᑭᓯᔭᐅᔾᔪᑖᓂᒃ ᑖᔅᓱᒧᖓ ᑑᒐᓕᑦ ᕿᓚᓗᒐᖃᕝᕕᐊᓄᑦ ᑲᔪᓰᓐᓇᕐᑯᓪᓗᒋᑦ ᓄᓇᔾᔪᐊᒻᒧᑦ ᐊᐅᓪᓛᖅᑎᑦᑎᔪᓐᓇᓐᓂᒻᒥᒃ ᕿᓚᓗᒐᑦ ᓱᓇᒃᑯᑖᖏᓐᓂᒃ ᒥᑦᑎᒪᑕᓕᐅᑉ ᑕᓯᐅᔭᖓᓂ ᕿᓚᓗᒐᖅᑕᐅᔪᓂᒃ.

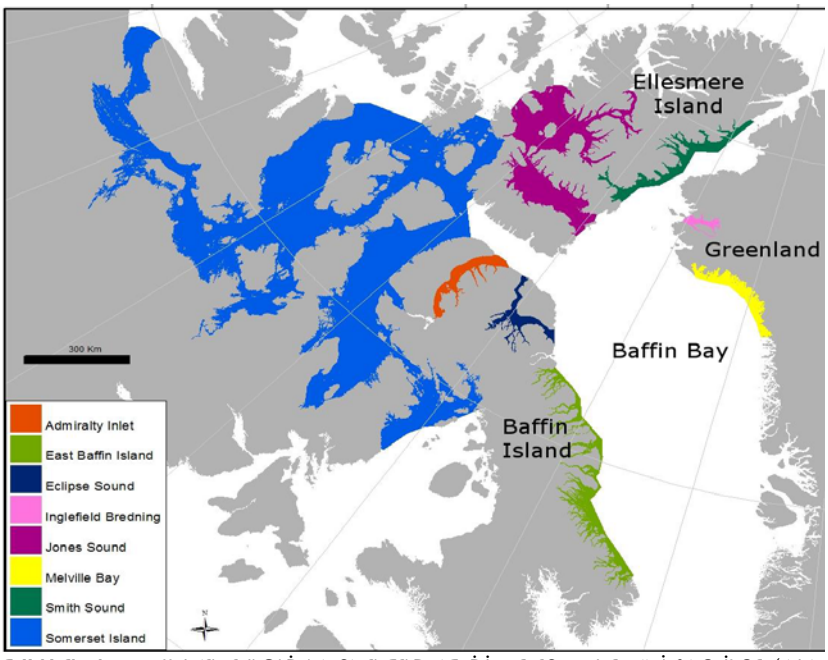
ᓄᓇᓕᓐᓂ ᑐᓴᕋᓱᐊᕈᑎᕗᑦ ᖃᐅᔨᓴᖅᑎᑦ ᐅᖃᐅᔾᔨᖅᓱᑎᖏᓄᑦ ᑑᒐᓕᑦ ᕿᓚᓗᒐᑦ ᐊᐅᓚᑕᐅᓂᖏᓄᑦ

ᐃᒪᒻᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᑐᓴᕋᓱᐊᓚᐅᖅᑐᑦ ᓴᖅᑭᕝᕕᐅᑐᐃᓐᓇᕆᐊᓕᓐᓂᒃ ᐃᓄᓐᓂᒃ ᐊᒃᑐᖅᑕᐅᓂᖃᓪᓗᑎᒃ ᐊᐅᓚᑦᑎᔨᑦ ᐃᓱᒪᓕᐅᕈᑎᖏᓐᓄᑦ ᐊᑐᓕᖅᑎᑦᑎᓇᓱᓐᓂᒻᒥᒃ ᓄᑖᖑᔪᓄᑦ ᖃᐅᔨᓴᖅᑎᑦ ᐅᖃᐅᔾᔨᖅᓱᑎᖏᓄᑦ ᐊᒻᒪᓗ ᓇᓖᕋᕈᑖ ᑰᑕᒃᑯᑦ ᐊᐅᓚᑦᑎᔾᔪᑖᓄᑦ. ᑐᓴᕋᓱᐊᕆᓂᒻᒧᑦ ᐸᓐᓇᒃᓯᒪᔪᖅ ᐊᐅᓚᓂᖓ ᒪᕿᐃᓕᖓᔪᓂᒃ ᐃᓗᓕᖃᖅᓗᓂ: (1) ᐅᐸᓪᓚᕆᒃᓗᑎᒍᑦ ᑐᓴᕋᓱᐊᖅᓗᑕ ᓄᓇᓕᒋᔭᖏᓄᑦ ᐃᒃᐱᐊᔾᔪᒃ, ᒥᑦᑎᒪᑕᓕᒃ, ᑲᖏᖅᑐᒐᐱᒃ ᕿᑭᖅᑕᔾᔪᐊᒻᒥᓗ ᐅᓪᓗᖏᒍᑦ ᐃᑉᐳᕈ 18-22, 2016; ᐊᒻᒪᓗ (2) ᑎᑎᖅᑲᑎᒍᑦ ᑐᓴᕋᓱᐊᕈᑏᑦ ᐊᒥᐊᒃᑯᔪᓄᑦ ᓄᓇᓕᐅᔪᓄᑦ ᕿᓚᓗᒐᕋᓱᓲᑦ ᕿᑭᖅᑖᔅᓗᑉ ᐃᒪᕕᐊᑕ ᐊᒃᒍᖅᓯᒪᔪᖏᑕ ᑑᒐᓕᖏᓐᓂᒃ ᐊᒻᒪᑦᑕᐅᖅ ᐊᐅᓱᐃᑦᑑᑉ ᓯᒥᑦ ᐃᑭᕋᓴᖏᑕ ᕿᓚᓗᒐᖅᑎᖏᓐᓂᒃ. ᕿᑎᒻᒥᐅᑦ ᐊᒻᒪᓗ ᕿᑭᖅᑖᓗᒃ ᐆᒪᔪᓕᕆᔨᔾᔪᐊᖏᑦ ᑲᑎᒪᔨᑦ ᑐᓴᕆᐊᕝᕕᐅᖃᓯᐅᑎᓂᐊᒻᒥᔫᒃ.

ᐃᒪᒻᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᑐᓴᕋᓱᐊᓚᐅᖅᑐᑦ ᐅᑯᓄᖓ ᐃᓱᒪᓕᐅᖑᔪᓄᑦ:

1. ᐊᑐᖅᑕᐅᔪᒪᔪᑦ TAH ᐋᖅᑭᒋᐊᕈᑎᔅᓴᖏᑦ, ᐱᓗᐊᖅᑐᒥᑦ ᐅᓇ, ***ᐋᖅᑭᒋᐊᓪᓗᒍ ᐅᓪᓗᒥ ᐊᑐᖅᑕᐅᔪᖅ TAH ᕿᑭᖅᑖᔅᓗᑉ ᐃᒪᕕᐊᓄᑦ ᐊᒻᒪ ᐊᐅᓱᐃᑦᑑᑉ ᓯᒥᑦ ᐃᑭᕋᓴᖏᑕᓗ ᑑᒐᓕᑦ ᕿᓚᓗᒐᓄᑦ ᐊᐅᓚᑦᑎᓂᒻᒧᑦ ᐊᒃᒍᖅᓯᒪᔭᖏᓄᑦ ᒪᓕᓪᓗᒍ 2013 ᖃᐅᔨᓴᒧᑦ ᑕᑯᔅᓴᕈᖅᑐᑦ;*** ᐊᒻᒪᓗ;

2. ᐸᐃᑉᐹᑎᒍᑦ ᐊᑐᓕᖅᑎᑕᐅᓂᖓ ᑖᓐᓇ “ᑑᒐᓕᑦ ᓇᓖᕋᕈᑎᑦ ᑰᑕᒃᑯᑦ ᐊᐅᓚᑦᑎᔾᔪᑎ” ᐊᒻᒪᓗ ᓂᕕᖕᒐᒃᑯᑖᑦ ᓈᑕᐅᓂᖏᓄᑦ ᐊᑐᐊᒐᖅ ᐃᓗᓕᖓ II (ᐸᐱᕈᓖᒃ 2 ᐊᒻᒪ 3).



ᑕᑯᔅᓴᖅ 1. ᓄᓇᖑᐊᖅ ᖁᒃᑎᒃᑑᑉ ᐅᑭᐅᖅᑕᖅᑐᐊᑕ ᑑᒐᓕᑦ ᕿᓚᓗᒐᑦ ᐊᐅᔨᕝᕕᒋᓱᖏᑦ (ᐱᔭᐅᔪᖅ: NAMMCO/SC/21-JCNB/SWG/14-05).

ᕿᒥᕐᕈᔭᓴᖅ 1. ᓄᑖᖑᔪᖅ ᐃᓱᖅᑲᐅᑖ ᐱᔪᓐᓇᖅᑎᑕᐅᔪᑦ ᓄᓈᖅᑕᐅᔪᓐᓇᖅᑐᓂᒃ ᕿᓚᓗᒐᓄᑦ (TALC) ᖃᐅᔨᓴᖅᑎᓄᑦ ᐊᐅᑐᓕᕐᑯᔭᐅᔪᖅ ᑖᒃᑯᓄᖓ ᑑᒐᓕᑦ ᕿᓚᓗᒐᕐᑯᑎᖏᓄᑦ ᒪᓕᒃᑐᒍ 2013 ᖃᖓᑕᓱᒃᑯᑦ ᖃᐅᔨᓴᖅᑕᐅᓂᖏᓄᑦ ᑕᑯᓴᕈᖅᑐᑦ (CSAS SAR ᔪᓂ 2015) ᓴᓂᓕᖃᖅᑐᓂ ᐅᓪᓗᒥ ᐊᑐᖅᑕᐅᔪᒧᑦ ᐃᓱᖅᑲᐅᑖ ᓄᓈᖅᑕᐅᔪᓐᓇᖅᑐᓄᑦ ᕿᓚᓗᒐᓴᓴᓄᑦ (TAH).

ᑑᒐᓕ ᕿᓚᓗᒐᕐᖃᕝᕕᖏᑦ	ᐊᐅᓚᑦᑎᓂᒻᒧᑦ ᐊᒃᒍᖅᓯᒪᓂᐊ	ᐅᓪᓗᒥᐅᔪᖅ TAH*	ᓄᑖᖅ TALC (TAH) ᐊᑐᓕᕐᑯᔭᐅᓯᒪᔪᖅ
ᑰᒐᓇᔫᑉ ᕿᑭᖅᑕᖓ	SI	532	**658**
ᐃᑉᐱᐊᔭᔫᑉ ᑲᖏᖅᓱᐊᓗᐊ	AI	233	**389**
ᒥᑦᑎᒪᑕᓕᐅᑉ ᑕᓯᐅᔭᖓ	ES	236	**134**
ᑲᓇᓐᓇᖅ ᕿᑭᖅᑖᔫᑉ ᓯᒡᔭᖅᐸᓯᐊ	EBI	122	**206**
ᑐᕌᖅᑎᓯᒪᖏᑦᑐᖅ	ᐊᐅᓱᐃᑦᑑᑉ ᐃᑭᕋᓴᖓ	50**	**76**
ᑐᕌᖅᑎᓯᒪᖏᑦᑐᖅ	ᓯᒥᑦ ᐃᑭᕋᓴᖓ		**77**

* ᓴᖅᑭᑕᐅᓂᑯ ᐆᒪᔪᓕᕆᔨᔪᐊᒃᑯᑦ ᑲᑎᒪᔨᖏᓄᑦ 2013-ᒥ ᐊᖏᖅᑕᐅᓯᒪᓪᓗᓂ ᒥᓂᔅᑕᖓᓄᑦ ᐃᒪᒻᒥᐅᑕᓕᕆᔨᒃᑯᑦ

** ᑕᐃᒪᓕ ᐅᓪᓗᒥ ᐱᑕᖃᖏᑦᑑᒐᓗᐊᖅ TALC, ᒥᓂᔅᑑᔪᖅ ᐊᖏᖅᓯᓪᓗᓂ ᐃᓱᖅᑲᐅᑖ ᓄᓈᖅᑕᐅᔪᓐᓇᖅᑐᓄᑦ ᕿᓚᓗᒐᓴᓴᓄᑦ (ᑰᑕ) 50-ᓂᒃ ᑕᒪᐃᓐᓄᑦ ᐃᑭᕋᓴᐅᔪᓄᑦ ᑲᑎᕝᕙᓂᒋᑦ.

<u>ᐅᐸᒍᑎᓪᓗᑕ ᑐᓴᕆᐊᕋᓱᖅᑕᕗᑦ ᑕᑯᓴᕈᕈᑎᖏᑦ</u> (ᐃᓚᖃᖅᑐᓂ ᑲᑎᒪᖃᑎᖃᓐᓂᒻᒥᒃ ᐊᖑᓇᓱᒃᑐᓕᕆᔨᖏᓂᒃ ᐊᒻᒪᑦᑕᐅᖅ ᐃᓄᓕᒫᖅᑎᑦᑎᓪᓗᑕ ᓄᓇᓕᒋᔭᖓᓂ)

ᐋᖅᑭᒋᐊᕆᔭᐅᓂᖓ ᑖᓐᓇ TAH:

- ᓄᓇᓕᖏᑦ ᐃᑉᐱᐊᔭᔪᒃ, ᑲᖏᖅᑐᒫᐱᒃ ᐊᒻᒪᓗ ᕿᑭᖅᑕᔾᔪᐊᖅ ᑕᒪᐃᓐᓂᐸᓗᒃ ᐃᑲᔪᖅᑐᐃᖅᑰᔨᓪᓗᑎᒃ ᑖᔅᓱᒪᐅᑉ ᐊᑐᖅᑕᐅᔪᒪᔫᑉ ᐋᖅᑭᒋᐊᕈᑎᖓ TAH ᐃᑉᐱᐊᔭᔫᑉ ᑲᖏᖅᓱᐊᓗᐊᓄᑦ ᑲᓇᓐᓇᐅᓪᓗ ᕿᑭᖅᑖᔫᑉ ᓯᒡᔭᖅᐸᓯᖏᓂ ᑑᒐᓕᑦ ᕿᓚᓗᒐᕐᑯᑎᖏᓄᑦ.

- ᓄᓇᓕᖓ ᐃᓄᖏᓪᓗ ᒥᑦᑎᒪᑕᓕᐅᑉ ᐃᑲᔪᖅᑐᐃᓚᐅᖏᑦᑐᑦ ᐋᖅᑭᒋᐊᕆᔭᐅᔪᒪᔪᓂᒃ ᒥᑦᑎᒪᑕᓕᐅᑉ ᑕᓯᐅᔭᖓᑕ ᑑᒐᓕᑦ ᕿᓚᓗᒐᕐᑯᑎᖏᓄᑦ.

    - ᐊᖑᓇᓱᒃᑐᓕᕆᔨᖏᑦ ᐅᖃᐅᓯᖃᖅᓱᑎᒃ ᑕᒪᓐᓇ ᕿᓚᓗᒐᑭᓐᓂᖓ ᒥᑦᑎᒪᑕᓕᐅᑉ ᑕᓯᐅᔭᖓᓄᑦ ᓴᖅᑭᓯᒪᓂᐊᑕ ᐅᒥᐊᔪᐊᑦ ᐊᖅᑰᓴᖏᓐᓇᓕᓐᓂᖏᓄᑦ, ᕿᓚᓗᒐᐃᓪᓗ ᕿᒪᕈᑎᑲᑕᓐᓂᖏᓄᑦ ᓇᒧᕈᔫᔭᖅ (ᐱᖃᓯᐅᑎᓪᓗᒋᑦ ᕿᑎᒻᒥᐅᑦ ᓄᓇᓕᖏᑕ ᑕᕆᐅᖏᓄᑦ ᑎᑭᑦᑐᑦ), ᐊᒻᒪᑦᑕᐅᖅ ᐊᖅᑲᐅᒪᔪᑦ ᓇᐃᓴᖅᑕᐅᔪᓐᓇᖏᓐᓂᖏᓄᑦ.
    - ᓄᓇᓕᒻᒥᐅᑕᑦ ᐅᖃᖅᓱᑎᒃ ᑑᒐᓕᑦ ᕿᓚᓗᒐᑦ ᐊᒥᓲᓂᖏᑦ ᐊᓯᔾᔨᖅᑕᐃᓐᓇᐅᔭᖅᑐᑦ ᐊᕐᕌᒍᒥᒃ ᐊᕐᕌᒍᒧᑦ.
    - ᐊᖑᓇᓱᒃᑐᓕᕆᔨᖏᑦ ᐅᓂᒃᑳᕆᔭᖃᖅᓱᑎᒃ ᐊᑯᓐᓂᐊᒍᑦ ᑑᒐᓕᑦ ᕿᓚᓗᒐᖏᑦ ᐅᑎᖅᑕᕋᓲᖑᔪᑦ ᐃᑉᐱᐊᔭᔫᑉ ᑲᖏᖅᓱᐊᓗᐊᑕ ᒥᑦᑎᒪᑕᓕᐅᑉ ᑕᓯᐅᔭᖓᑕᓗ ᐅᖃᖅᓱᑎᓪᓗ ᑕᒪᓐᓇ ᖃᖓᑕᓲᒃᑯᑦ ᖃᐅᔨᓴᐃᓂᖅ ᐊᓯᐊᒍᑦ ᐅᓪᓗᖃᓚᐅᕈᓂ ᑕᑯᒐᔭᖅᑐᑦ ᐃᑉᐱᐊᔭᔫᑉ ᑲᖏᖅᓱᐊᓗᐊᓂ ᕿᓚᓗᒐᑭᑦᑐᒥᒃ ᐊᒻᒪᓗ ᐊᒥᓲᓕᓐᓂᖏᑕ ᒥᑦᑎᒪᑕᓕᐅᑉ ᑕᓯᐅᔭᖓᑕ ᕿᓚᓗᒐᖏᑦ.
    - ᐊᖑᓇᓱᒃᑐᓕᕆᔨᖏᑦ ᑲᔪᓯᑎᑦᑎᔪᒻᒪᓪᓗᑎᒃ ᐅᓪᓗᒥᓗ ᐊᑐᖅᑕᐅᔪᒥᒃ ᐊᐅᓚᑦᑎᔾᔪᑎᒥᒃ (ᓲᓪᓗ, ᑖᓐᓇ TAH ᓴᖅᑭᑕᐅᓂᑯ ᐊᕐᕌᒍᐊᓂ 2013) ᑕᓪᓕᒪᓄᑦ ᐊᕐᕌᒍᓄᑦ ᐊᑐᕈᒪᓪᓗᓂᐅᒃ.

ᐊᑐᓕᖅᑎᑕᐅᓂᖓ ᑖᓐᓇ ᑑᒐᓕᑦ ᓇᓖᕋᕈᑎᑦ ᑰᑕᒃᑯᑦ ᐊᐅᓚᑦᑎᔾᔪᑎ:

- ᐃᓱᒫᓗᑎᓂᒃ ᓴᖅᑮᔪᖃᓚᐅᖏᑦᑐᖅ ᐊᑐᓕᖅᑎᑦᑎᓂᒻᒧᑦ ᑖᔅᓱᒪᐅᑉ ᓇᓖᕋᕈᑖ ᑰᑕᖓ ᐊᐅᓚᑦᑎᔾᔪᑖᓄᑦ ᓄᓇᓕᖏᓐᓂᒃ ᐃᑉᐱᐊᔭᔪᒃ ᒥᑦᑎᒪᑕᓕᐅᓪᓗ;

- ᐱᑕᖃᖅᑰᔨᓪᓗᓂ ᐃᑲᔪᖅᓱᐃᓂᒻᒥᒃ ᐊᑐᓕᖅᑎᑕᐅᓂᖓᓄᑦ ᓇᓖᕋᕈᑖ ᑰᑕᖓ ᐊᐅᓚᑦᑎᔾᔪᑖᓄᑦ ᓄᓇᓕᖏᓂᒃ ᑲᖏᖅᑐᒫᐱᒃ ᕿᑭᖅᑕᔾᔪᐊᓪᓗ.

ᐊᑐᓕᖅᑎᑕᐅᓂᖓ ᓂᕕᖕᒐᒃᑯᑖᑦ ᓈᑕᐅᓂᖏᓄᑦ ᐊᑐᐊᒐᖅ ᐃᓗᓕᖓ II:

- ᐃᓱᒫᓗᑎᓂᒃ ᓴᖅᑮᔪᖃᓚᐅᖏᑦᑐᖅ ᐊᑐᓕᖅᑎᑦᑎᓂᒻᒧᑦ ᑖᔅᓱᒪᐅᑉ ᓂᕕᖕᒐᒃᑯᑖᑦ ᓈᑕᐅᓂᖏᓄᑦ ᐃᓗᓕᖓ II ᓄᓇᓕᖏᓐᓂᒃ ᐃᑉᐱᐊᔾᔪᒃ ᒥᑦᑎᒪᑕᓕᐅᓪᓗ;
- ᐱᑕᖃᖅᑰᔨᓪᓗᓂ ᐃᑲᔪᖅᓱᐃᓂᒻᒥᒃ ᐊᑐᓕᖅᑎᑕᐅᓂᖓᓄᑦ ᓂᕕᖕᒐᒃᑯᑖᑦ ᓈᑕᐅᓂᖏᓄᑦ ᐊᑐᐊᒐᖅ ᐃᓗᓕᖓ II ᓄᓇᓕᖏᓐᓂᒃ ᑲᖏᖅᑐᒫᐱᒃ ᕿᑭᖅᑕᔾᔪᐊᓪᓗ ᒪᓕᒃᑐᓂ ᐃᑲᔪᖅᓱᐃᓂᖏᑕ ᕿᑭᖅᑖᓗᑉ ᐆᒪᔪᓕᕆᔨᔾᔪᐊᑦ ᑲᑎᒪᔨᖏᑦ ᐊᒻᒪᓗ ᐃᒪᒻᒥᐅᑕᓕᕆᔨᒃᑯᑦ.

CITES (ᐊᖏᖃᑎᒌᒍᑦ ᓄᓇᔾᔪᐊᒻᒥ ᑕᐅᖅᓱᖃᑎᒌᒍᑎᖏᓄᑦ ᓄᖑᑉᐸᓪᓕᐊᓕᖅᑐᑦ ᐆᒪᔪᖏᓄᑦ ᐱᕈᐃᔭᐅᓱᒪᖏᑦᑐᓄᑦ ᓂᔾᔪᑎᓄᑦ ᐱᕈᖅᑐᓄᓪᓗ)

- ᐃᑉᐱᐊᔾᔪᒃ, ᑲᖏᖅᑐᒫᐱᒃ, ᐊᒻᒪᓗ ᕿᑭᖅᑕᔾᔪᐊᖅ: ᐃᓱᒫᓗᑎᓂᒃ ᓴᖅᑮᔪᖃᓚᐅᖏᑦᑐᖅ ᐊᑐᓕᖅᑎᑦᑎᓂᒻᒧᑦ ᑖᒃᑯᐊ ᐅᖃᐅᓯᐅᔪᑦ ᑕᐃᒪᑎᒍᑦ ᐃᓄᓕᒫᖅᑎᑦᑎᓪᓗᑕ ᓄᓇᓕᐊᓂ ᑲᑎᒪᖃᑎᑦᓪᓗᑦᓪᓗ ᐊᖑᓇᓱᒃᑐᓕᕆᔨᒃᑯᑦ.
- *ᒥᑦᑎᒪᑕᓕᒃ:* ᐊᖑᓇᓱᒃᑐᓕᕆᔨᖏᑦ ᐅᖃᓚᐅᖅᑐᑦ ᐃᓄᖏᒐᒍᖅ ᐃᓱᒫᓗᑎᖃᓗᐊᖏᒻᒪᑕ ᓂᐅᕿᑎᖃᓐᓂᒻᒥᒃ ᑑᒐᖏᓂᒃ ᓄᓇᔾᔪᐊᒻᒥᐅᑕᓄᑦ ᐱᔾᔪᑎᒋᓪᓗᒍ ᓂᕿᔅᓴᒥᓂᒃ ᐱᔪᒪᓂᖅᓴᐅᓱᖑᒻᒪᑕ ᕿᓚᓗᒐᕋᓱᒃᑐᑎᒃ.

ᐃᓗᐃᑦᑑᔪᒥᒃ ᑎᑎᕋᖅᓯᒪᔪᒥᒃ ᐅᓂᒃᑳᒥᒃ ᑐᓴᕋᓱᐊᕈᑎᑦᑎᓐᓄᑦ ᓴᖅᑭᓚᐅᖅᑐᓂᒃ ᐃᓕᓯᓯᒪᔪᖃᖅᑐᖅ ᐃᓗᐊᒍᑦ ᐸᐱᕈᓕᒃ 4-ᒥ.

ᑎᑎᕋᖅᓯᒪᔪᒃᑯᑦ ᑐᓴᕋᓱᐊᕈᑎᑦᑕ ᓴᖅᑭᑎᖅᓯᒪᔪᑦ

ᐃᒪᒻᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᑐᙵᓴᐃᓚᐅᖅᐳᑦ ᐊᓯᖏᓐᓂᒃ ᐊᒃᑐᖅᑕᐅᓂᓕᓐᓂᒃ ᐊᖑᓇᓱᒃᑐᓕᕆᔨᐅᔪᓂᒃ ᓄᓇᓕᐊᑕᓗ ᐃᓄᖏᓂᒃ ᐃᓚᐅᖃᑕᐅᖁᓪᓗᒋᑦ ᑎᑎᖅᑲᑎᒍᑦ ᑐᓴᕋᓱᐊᕈᑎᑦᑕ ᐊᐅᓚᓂᐊᓄᑦ ᐊᑐᐃᓐᓇᕈᐃᖁᓪᓗᒋᑦ ᑎᑎᖅᑲᑎᒍᑦ ᐅᖃᐅᓯᖏᓐᓂᒃ ᐃᓱᒫᓗᑎᖏᓂᓪᓗᓐᓃᑦ ᐊᑐᕈᒪᔭᐅᔪᓄᑦ TAH ᐋᖅᑭᒋᐊᕈᑎᖏᓄᑦ ᐊᑐᓕᖅᑎᑕᐅᓂᐊᓄᓪᓗ ᓇᓖᕋᕈᑖ ᑰᑕᖓ ᐊᐅᓚᑦᑎᔾᔪᑖ, ᑎᑭᓐᓇᓱᓪᓗᒍ ᒪᐃ 31, 2016 (ᐸᐱᕈᓕᒃ 5). ᓄᓇᓖᑦ ᐃᓚᐅᖃᑕᐅᔪᑦ ᑎᑎᕋᖅᓯᒪᔪᒃᑯᑦ ᑐᓴᕋᓱᐊᕈᑎᑦᑎᓐᓂ ᐊᖑᓇᓱᓲᑦ ᑖᒃᑯᓇᙵᑦ ᕿᓚᓗᒐᖃᕝᕕᓂᒃ ᐃᒪᒻᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᐋᖅᑭᒋᐊᕆᔪᒪᔾᔭᓂᒃ TALC/TAH.

ᐃᒪᒻᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᐊᑐᐃᓐᓇᕈᐃᓂᐊᖅᑐᑦ ᖃᒃᑲᓐᓂᐊᒍᑦ ᑐᑭᓯᔾᔪᑎᔅᓴᓂᒃ ᑎᑎᕋᖅᓯᒪᔪᒃᑯᑦ ᑐᓴᕋᓱᐊᕈᑎᑦᑕ ᓴᖅᑭᑕᖏᓂᒃ ᑕᐃᑲᓂ ᓄᓇᕗᒥ ᐅᒪᔪᓕᕆᔨᔾᔪᐊᒃᑯᑦ ᑲᑎᒪᔨᖏᑦ ᑲᑎᒪᓕᕈᑎᒃ ᔫᓂ 2016-ᒥ.

ᐊᑐᓕᖅᑎᑕᐅᔪᒪᔪᑦ ᐊᓯᔾᔨᐅᑎᑦ ᐅᓪᓗᒥ ᑑᒐᓕᑦ ᕿᓚᓗᒐᖏᑕ ᐊᐅᓚᑦᑎᔾᔪᑎᒋᓲᖏᓄᑦ

ᐊᓯᔾᔨᓐᓂᖏᓄᑦ ᐅᓪᓗᒥᐅᔪᖅ ᑑᒐᓕᑦ ᕿᓚᓗᒐᖏᑕ ᐊᐅᓚᑦᑎᔾᔪᑎᒋᓲᖏᑦ ᐊᑐᖅᑕᐅᔪᒪᓕᕆᔭᑦ ᒥᐊᓂᕆᔾᔪᑎᖏᓄᑦ ᑑᒐᓕᑦ ᕿᓚᓗᒐᖅᑯᑎᖏᑕ ᐊᒥᓲᓂᕆᔭᖏᓪᓗ ᑕᒪᐃᓐᓂᒃ ᐊᒻᒪᑦᑕᐅᖅ ᐃᓄᐃᑦ ᕿᓚᓗᒐᖅᓱᓐᓂᖏᑦ ᑭᒡᓕᖅᑲᖅᑎᑕᐅᓗᑎᒃ ᒥᐊᓂᕆᔾᔪᑎᑦ ᑎᑭᑕᐅᓇᓱᓐᓂᖏᑕ ᓇᓗᓇᐃᖅᓯᒪᔪᑦ. ᑕᒪᓐᓇ ᐱᕕᖅᑲᖅᑎᑦᑎᓂᐊᖅᑐᖅ ᓄᖑᑦᑎᕙᓪᓕᐊᖏᑦᑐᒥᒃ ᐊᖑᓇᓱᓂᒻᒥᒃ ᐱᓯᒪᔭᐅᖏᓐᓇᓪᓗᑎᓪᓗ ᐊᒃᑐᐊᓂᓖᑦ ᑮᓇᐅᔭᓕᐅᕋᓱᐊᕈᑎᖏᑦ. ᖃᒃᑲᓐᓂᐊᒍᑦ, ᐸᐃᑉᐹᑎᒍᑦ ᐊᖏᖅᓯᓂᖓ ᑖᔅᓱᒥᖓ ᓇᓖᕋᕈᑖ ᑰᑕᖓ ᐊᒻᒪᓗ ᓂᕕᖕᒐᒃᑯᑖᑦ ᓈᑕᐅᓂᖏᓄᑦ ᐊᐅᓚᑦᑎᔾᔪᑖᓂᒃ ᐱᕕᖅᑲᖅᑎᑦᑎᓗᑎᒃ ᐊᖑᓇᓱᒃᑐᓂᒃ, ᐊᖑᓇᓱᒃᑐᓕᕆᔨᒃᑯᓐᓂᒃ, ᐊᒡᒍᖅᓯᓚᔪᑦ ᐆᒪᔪᓕᕆᔨᔾᔪᐊᖏᓂᒃ ᐊᖏᓂᖅᓴᒥᒃ ᓇᓖᕋᕈᑎᖃᓐᓂᒻᒥᒃ ᐊᖑᓇᓱᒐᔅᓴᖅ ᐊᒡᒍᖅᑕᐅᓂᖏᓄᑦ ᐊᑐᖅᑕᐅᓂᖏᓄᓪᓗ.

ᐊᑐᓕᖁᔭᐅᓯᒪᔪᑦ:
ᐃᒪᒻᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᐱᔪᒪᓂᖃᖅᑐᑦ ᐊᖏᖅᑕᐅᓂᒻᒥᒃ ᓄᓇᕗᒥ ᐆᒪᔪᓕᕆᔨᔾᔪᐊᒃᑯᑦ ᑲᑎᒪᔨᖏᓐᓂᒃ ᐃᓱᒪᒋᔭᔅᓴᓄᑦ:

- ᐋᖅᑭᒋᐊᓪᓗᒍ ᐅᓪᓗᒥ ᐊᑐᖅᑕᐅᔪᖅ TAH ᕿᑭᖅᑖᓗᑉ ᐃᒪᕕᐊᓄᑦ ᐊᒻᒪ ᐊᐅᓱᐃᑦᑑᑉ ᓯᒥᑦ ᐃᑭᕋᓴᖏᑕᓗ ᑑᒐᓕᑦ ᕿᓚᓗᒐᓄᑦ ᐊᐅᓚᑦᑎᓂᒻᒧᑦ ᐊᒡᒍᖅᓯᒪᔭᖏᓄᑦ ᒪᓕᓪᓗᒍ 2013 ᖃᐅᔨᓴᒧᑦ ᑕᑯᔅᓴᕈᖅᑐᓄᑦ ᓇᓗᓇᐃᖅᑕᑦ ᕿᒥᕋᕈᔭᔅᓴᖅ 1 (NLCA s 5.2.33(d)).

- ᐸᐃᑉᐹᑎᒍᑦ ᐊᖏᖅᑕᐅᓗᓂ ᐃᓕᓴᕆᔭᐅᔪᒃᑯᑦ ᑑᒐᓕᑦ ᓇᓖᕋᕈᑎᑦ ᑰᑕᒃᑯᑦ ᐊᐅᓚᑦᑎᔾᔪᑎ and ᓂᕕᖕᒐᒃᑯᑖᑦ ᓈᑕᐅᓂᖏᓄᑦ ᐊᑐᐊᒐᖅ ᐃᓗᓕᖓ II (NLCA s.5.2.33(k)).

ᑐᕋᒐᖃᕝᕕᕗᑦ ᐱᔭᕇᖅᓯᒪᔪᐃᓐᓇᐅᓕᓪᓗᑎᒃ ᑭᖑᓪᓕᖅᐹᒥᒃ ᐊᖅᑮᓯᒪᓕᓪᓗᑎᒃ ᐊᖏᖅᑕᐅᓛᖅᑐᖅ ᒥᓂᔅᑕᖓᓐᓄᑦ
ᐃᒪᒻᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᐱᔭᕇᖅᓯᒪᓗᓂ ᐊᑐᓕᖅᑎᑕᐅᓂᐊᓪᓗᓂ ᐊᕐᕌᒍᑉ 2017 ᑑᒫᓕᓐᓄᑦ ᕿᓚᓗᒐᕋᓱᓐᓂᐊᓄᑦ.

<ᐱᕈᓕᒃ 1 – ᐃᒪᒻᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᖃᐅᔨᓴᖅᑎᖏᑕ ᐅᖃᐅᔾᔨᖅᓱᑎᖏᑦ - ᐊᒥᓱᓂᖏᓄᑦ ᓇᓚᐅᑦᑖᖑᔪᑦ ᑑᒫᓕᑦ
ᕿᓚᓗᒐᖏᓄᑦ ᑲᓇᑕᐅᑉ ᖁᑦᑎᒃᑐᐊᑕ ᐅᑭᐅᖅᑕᖅᑐᐊᓂ ᐊᕐᕌᒍᖓᓄᑦ 2013.
<ᐱᕈᓕᒃ 2 – ᐃᒪᒻᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᖃᐅᔨᓴᖅᑎᖏᑕ ᐅᖃᐅᔾᔨᖅᓱᑎᖏᑦ - ᑲᔪᓯᑦᑎᐊᕈᓐᓇᓐᓂᐊ ᓇᓖᕋᕈᑖ ᐊᐅᓚᑦᑎᔾᔪᑎ
ᐃᓱᖃᐅᑖ ᐱᔪᓐᓇᖅᑎᑕᐅᔪᑦ ᓄᓈᖅᑕᐅᔪᓐᓇᖅᑐᓂᒃ ᕿᓚᓗᒐᓄᑦ.
<ᐱᕈᓕᒃ 3 – ᑑᒫᓕᑦ ᓇᓖᕋᕈᑎᑦ ᑰᑕᒃᑯᑦ ᐊᐅᓚᑦᑎᔾᔪᑎ
<ᐱᕈᓕᒃ 4 - ᑐᓴᕋᓱᐊᓐᓂᒻᒧᑦ ᑕᑯᔅᓴᕈᖅᑐᕕᓃᑦ - “ᑐᓴᓚᐅᖅᑕᕗᑦ ᓄᓇᓕᓐᓂ” ᑎᑎᖅᑲᖏᑦ
<ᐱᕈᓕᒃ 5 - ᑎᑎᕋᖅᓯᒪᔪᖅ ᑐᓴᕋᓱᐊᓐᓂᒻᒧᑦ ᑎᑎᖅᑲᑦ ᑎᒥᐅᔪᓄᑦ

<u>ᑐᓐᓂᓇᔭᐅᔪᖅ ᐅᑯᓄᖓ:</u>

ᓱᓇᒃᑯᑖᓄᑦ ᐊᐅᓚᑦᑎᔨᖏᑦ, ᕿᑎᕋᖅᑐᒧᑦ ᐅᑭᐅᖅᑐᖅᑑᓪᓗ ᓄᓇᕐᑯᑎᖏᓄᑦ
ᐃᒪᒻᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᑕᕆᐅᖏᓄᓪᓗ ᑲᓇᑕᒥ

ᐅᓪᓗᖓ: ᒪᐃ 13, 2016

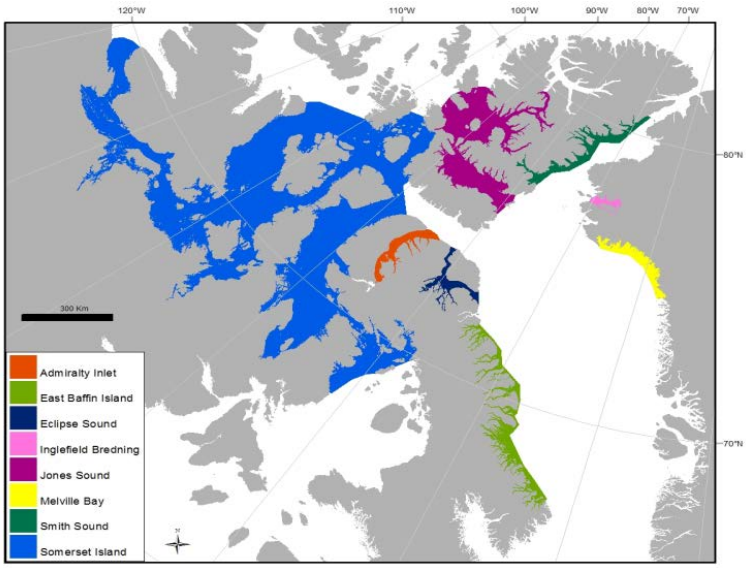
Fisheries and Oceans Canada | Pêches et Océans Canada
Ecosystems and Oceans Science | Sciences des écosystèmes et des océans

ᕿᑎᖅᐸᓯᐊᓂ ᐊᒻᒪ ᐅᑭᐅᖅᑕᖅᑑᓂᕐᒥ
ᐊᕕᒃᑐᖅᓯᒪᓂᕐᒥ

ᑲᓇᑕᒥᐅᑦ ᖃᐅᔨᓴᖅᑏᑦ ᐅᖃᐅᔾᔨᒋᐊᖅᑎᖕᒋᑦ
ᖃᐅᔨᓴᖅᑕᐅᓯᒪᔪᓂᒃ ᐅᖃᐅᔾᔨᒋᐊᕈᑕᐅᓂᕐᒧᑦ ᐅᓂᒃᑳᓕᐊᑦ **2015/046**

ᐊᒥᓲᑎᒋᓂᖕᒋᓂᒃ ᕿᓚᓗᒐᐃᑦ ᑐᒐᓖᑦ ᓇᓚᐅᑦᑖᖅᑕᐅᓯᒪᔪᑦ ᑲᓇᑕᐅᑉ ᐅᑭᐅᖅᑕᖅᑑᓂᖕᒐᓂ 2013–ᒥ

ᕿᓚᓗᒐᖅ ᑐᒐᓕᒃ (ᖃᐅᔨᓴᖅᑎᖕᒋᓐᓄᑦ ᑕᐃᔭᐅᔪᖅ ᐃᒫᒃ (Monodon monoceros) *R. Philips ᓇ. ᐱᓕᑉ*



ᐊᕕᒃᑐᖅᓯᒪᔪᓂᒃ ᑕᑯᑎᕐᑎᔾᔪᑦ 1. ᓄᓇᖑᐊᑦ ᐱᖓᓱᔪᖅᑐᓂᒃ 6–ᓂᒃ ᑲᓇᑕᒥᐅᑕᓂᒃ ᑐᒐᓖᑦ ᐊᐅᔭᒃᑯᑦ ᐃᒪᕐᒦᕕᒋᕙᒃᑕᖕᒋᑦ ᐊᒻᒪᓗ ᒪᕐᕉᖕᓂᒃ 2 ᐊᑯᑭᑦᑐᕐᒥᐅᓂ ᐃᒪᕐᒦᕕᒋᕙᖕᒥᔭᖕᒋᓂ ᐃᓕᑕᕆᔭᐅᓯᒪᔪᑦ ᐃᓚᒋᔭᐅᖃᑕᐅᓂᖅ ᓴᓐᓂᕈᑎᐅᑉ ᐃᒪᖓᓂ ᐱᑕᖃᕐᓂᖕᒋᓐᓂᒃ ᑲᓇᑕᒥᐅᓂ–ᐊᑯᑭᑦᑐᕐᒥᐅᓂᓗ ᑕᒪᐃᓐᓂᒃ ᑲᒥᓯᓇᖕᒋᓐᓂᒃ ᓴᐳᓐᓂᐊᖅᑕᐅᓂᖕᒋᓐᓄᑦ ᐊᒻᒪᓗ ᐊᐅᓚᑕᐅᓂᖕᒋᓐᓂᒃ ᑐᒐᓖᑦ ᕿᓇᓗᒐᐃᓪᓗ (ᓇᑭᖓᕐᓂᖕᒋᑦ: NAMMCO/SC/21-JCNB/SWG/14-05).

ᑐᑭᓯᑎᕐᑎᒋᐊᒃᑲᓐᓂᕈᑏᑦ:

ᐋᒫᓯ 2013–ᖑᑎᓗᒍ, ᐊᒥᓱᒐᓴᖕᓂᒃ ᖃᖓᑕᓲᒃᑯᑦ ᓈᓴᖅᑕᐅᓚᐅᕐᒪᑕ ᓯᑕᒪᓂᒃ ᐃᓕᑕᕆᔭᐅᓯᒪᓂᖕᒋᓐᓂᒃ ᑲᓇᑕᒥᐅᓂᒃ ᑐᒐᓕᒃᑕᖃᕐᓂᖕᒋᓐᓂᒃ ᓴᓐᓂᕈᑎᐅᑉ ᐃᒪᐅᓂᖕᒐᓂ ᐊᒻᒪᓗ ᑕᐅᕙᓂ ᐊᐅᓯᐃᕐᑑᑉ ᕿᑭᖅᑕᖕᒐᑕ ᓂᒋᐊᓂ ᐃᒪᖕᓂ ᐊᒻᒪᓗ ᐊᑯᑭᒃᑐᕐᒥᐅᑦ ᕿᑭᖅᑖᓗᖕᒥᐅᓪᓗ ᐊᑯᓐᓂᖕᒐᓂ ᑕᓯᐅᔭᕐᔪᐊᕐᒥ ᐱᑕᖃᕐᓂᖕᒋᓐᓂ. ᓯᕗᓪᓕᖅᐹᓇᔭᐅᔪᒥᒃ, ᐊᒥᓱᑎᒋᓂᖕᒋᓐᓂᒃ ᓇᓚᐅᑦᑖᕈᑏᑦ ᑕᒪᐃᓐᓂᒃ ᐱᑕᖃᕐᓂᖕᒋᓐᓂᒃ ᓈᓴᖅᑕᐅᓚᐅᖅᑐᑦ ᐊᔾᔨᐃᓐᓇᖕᒐᓂᒃ ᐊᕐᕋᒍᒥ.

ᓄᓇᕗᒻᒥ ᐆᒪᔪᓕᕆᔨᕐᔪᐊᒃᑯᑦ ᑲᑎᒪᔨᖕᒋᑦ ᐋᕿᕙᖅᐳᑦ ᑕᒪᐃᓐᓂᒃ ᑲᑎᓪᓗᒋ1ᑦ ᐱᑕᖅᑕᐅᔪᓐᓇᕐᓂᖕᒋᓐᓂᒃ ᑐᒐᓖᑦ ᓄᓇᕗᒻᒥ ᓄᓇᑖᕐᕕᐅᓯᒪᓂᕐᒥ. ᐃᖃᓗᓕᕆᔨᕐᔪᐊᒃᑯᑦ ᑕᕆᐅᕐᒥᐅᑕᓕᕆᔨᓗ (ᐃᖃᓗᓕᕆᔨᕐᔪᐊᒃᑯᑦ), ᐱᓕᕆᖃᑎᖃᐃᓐᓇᖅᓯᒋᑎᒃ ᐊᐅᓚᑦᑎᔨᐅᖃᑕᐅᔪᓂᒃ, ᐊᑐᖅᑎᑦᑎᓯᒪᓕᖅᑐᑦ ᑲᑎᖓᔪᓂᒃ ᐃᖃᓗᓕᕆᔨᕐᑐᒧᑦ ᐊᐅᓚᑦᑎᓂᕐᒧᑦ ᐸᕐᓇᐅᑎᓂᒃ ᕿᓇᓗᒐᖅᓂᒃ ᑐᒐᓕᖅᓂᒃ. ᐃᖃᓗᓕᕆᔨᕐᔪᐊᒃᑯᑦ ᑕᕆᐅᕐᒥᐅᑕᓕᕆᔨᓪᓗ ᑲᓇᑕᒥ (ᐃᖃᓗᓕᕆᔨᕐᔪᐊᒃᑯᑦ) ᐆᒪᔪᖃᕐᓂᖕᒋᓐᓂᒃ ᐃᓅᖕᓄᑦ ᐃᓅᔾᔪᑎᒃᓴᐅᕙᖕᓂᖕᒋᓐᓂᒃ ᐊᒻᒪᓗ ᐃᖃᓗᓕᕆᔨᕐᒥᒃ ᐊᐅᓚᑦᑎᓂᕐᒥᒃ ᐱᓕᕆᔨᐅᓂᖕᒋᑦ ᑐᒃᓯᕋᓚᐅᕐᒪᑕ ᐅᖃᐅᔾᔭᐅᒋᐊᕈᒪᓂᖅ ᐊᒥᐊᒃᑯᖃᐃᓐᓇᕈᓐᓇᕐᓂᐊᖅᑐᓂᒃ ᐊᖑᓇᓱᒃᑕᐅᔪᓐᓇᕐᓂᖕᒋᓐᓂᒃ ᑐᖓᕕᖃᖅᑐᓂᒃ 2013-ᒥ ᖃᐅᔨᓴᖅᑕᐅᓚᐅᖅᑐᓂᒃ ᓄᓇᕗᒻᒥ ᕿᓇᓗᒐᐃᑦ ᑐᒐᓖᑦ ᐊᐅᔭᒃᑯᑦ ᓇᓃᖃᑦᑕᓂᖕᒋᓐᓂᒃ. ᑖᒃᑯᐊ ᖃᐅᔨᓴᖅᑎᓂᒃ ᐅᖃᐅᔾᔨᒋᐊᖅᑎᓄᑦ ᐅᓂᒃᑳᓕᐊᑦ ᐅᓂᒃᑳᖅᐳᑦ ᖃᐅᔨᒪᔾᔪᑎᒃᓴᓂᒃ ᓄᑖᕈᓇᐊᖅᑕᐅᓯᒪᓕᖅᑐᓂᒃ ᐊᒥᓲᑎᒋᓂᖕᒋᓐᓂᒃ ᓇᓚᐅᑦᑖᖅᑕᐅᓯᒪᔪᓂᒃ ᐊᒻᒪᓗ ᐅᖃᐅᔾᔨᒋᐊᕈᑎᒃᓴᓂᒃ ᐊᒥᐊᒃᑯᖃᐃᓐᓇᕐᓂᐊᖅᑐᓂᒃ ᕿᓚᓗᒐᖅᓂᒃ ᑐᒐᓕᖅᓂᒃ ᐱᑕᖅᑕᐅᔪᓐᓇᖃᑦᑕᓂᐊᖅᑐᓂᒃ, ᑐᖓᕕᖃᖅᑐᓂᒃ ᐱᕕᐅᖃᑦᑕᕈᓐᓇᕐᓂᖕᒋᓐᓂᒃ ᐃᓚᖃᖅᑐᓂᒃ ᐃᓚᖓᖅᑎᑕᐅᖃᑦᑕᕐᒥᔪᓂᒃ ᐊᑐᖅᓱᑎᒃ.

*ᑖᒃᑯᐊ ᖃᐅᔨᓴᖅᑎᓂᒃ ᐅᖃᐅᔾᔨᒋᐊᕈᑏᑦ ᐅᓂᒃᑳᓕᐊᖕᒋᑦ ᐱᔭᐅᓯᒪᔪᑦ ᑕᐃᒃᑯᓇᖓᑦ ᐊᒃᑑᐱᓇ 20-24, 2014-ᒥ ᐊᕐᕋᒍᑕᒫᖅ ᑲᑎᒪᓚᐅᕐᓂᖕᒋᓐᓂᒃ ᑲᓇᑕᓕᒫᒥ ᑕᓇᐅᕐᒥᐅᑕᓂᒃ ᐆᒪᔪᓕᕆᔨᓂᕐᒧᑦ ᐱᓕᕆᔨᑦ ᕿᒥᕐᕈᐊᕐᓂᖕᒋᓐᓂᒃ ᑲᑎᒪᔨᕐᓱᓂᒃ(NMMPRC–ᑯᕐ). ᐊᓯᑕᖃᕐᒥᔪᖅ ᐅᖃᓕᒫᒐᓕᐊᓇᔭᐅᓯᒪᔪᒥᒃ ᑕᐃᒃᑯᓄᖓ ᑲᑎᒪᓂᓇᔭᐅᓚᐅᖅᑐᓂᒃ ᐱᔭᔪᑎᖃᖅᑐᓂᒃ [ᐃᖃᓗᓕᕆᔨᕐᔪᐊᒃᑯᑦ ᑕᕆᐅᕐᒥᐅᑕᓕᕆᔨᓗ ᖃᐅᔨᓴᖅᑎᓄᑦ ᐅᖃᐅᔾᔨᒋᐊᖅᑎᑦ ᖃᓄᐃᓕᐅᕐᕕᒃᓴᓇᔭᖕᒋᓐᓂᒃ ᐅᓂᒃᑳᕈᑎᑦ DFO Science Advisory Schedule](#) ᐊᑐᐃᓐᓇᐅᓕᕐᖓᒥᒃ.

ᓇᐃᓈᖅᑕᐅᓯᒪᔪᑦ ᐅᓂᒃᑳᓕᐊᑦ

- ᖃᖓᑕᓲᒃᑯᑦ ᖃᐅᔨᓴᖅᑕᐅᓚᐅᕐᒪᑕ ᐱᖓᓱᔪᖅᑐᑦ 6–ᖑᔪᑦ ᕿᓚᓗᒐᕐᓄᑦ ᑐᒐᓕᖕᓄᑦ ᓇᔪᖅᑕᐅᕙᖕᓂᖏᑦ ᐊᐅᔭᒃᑯᑦ ᐃᒪᐃᑦ (ᑕᒡᕙᓂ ᑕᐃᔭᐅᓂᐊᖅᑐᑦ ᑐᒐᓖᑦ ᓇᔪᖅᐸᒃᑕᖏᓐᓂᒃ) ᑲᓇᑕᒥᐅᑦ ᖁᑦᑎᒃᑐᒥ ᐅᑭᐅᖅᑕᖅᑑᓂᖓᓂ ᐋᒐᓯ 2013–ᒥ. ᑕᒪᓐᓇ ᓯᕗᑦᓕᖅᐹᓇᔭᐅᔪᖅ ᓈᓴᖅᑕᐅᓯᒪᓂᖏᓐᓂ ᖁᑦᑎᒃᑐᕐᒥᐅᑕᓂ ᐱᑕᖃᕐᓂᖏᑦ ᕿᓚᓗᒐᐃᑦ ᑐᒐᓕᑦ ᐊᑕᐅᓯᕐᒥᒃ ᐊᐅᔭᐅᓂᕐᒥ, ᐊᒻᒪᓗ ᓯᕗᑦᓕᓇᔭᐅᓪᓗᑎᒃ ᑐᒐᓕᒃᑕᖃᕐᓂᖏᑦ ᐊᐅᓱᐃᑦᑑᑉ ᕿᑭᖅᑕᖓᑕ ᓂᒋᐊᓂ ᐃᒪᖓ ᐊᒻᒪᓗ ᐊᑯᑭᒃᑐᕐᒥᐅᑦ ᕿᑭᖅᑖᓗᖕᒥᐅᓪᓗ ᐊᑯᓐᓂᖓᓂ ᑕᓯᐅᔭᕐᔪᐊᖑᓂᖓᓂ. ᑕᒪᕐᒥᒃ ᑲᑎᓪᓗᒋᑦ2 ᑲᓇᑕᒥᐅᑕᐃᑦ ᖁᑦᑎᒃᑐᕐᒥ ᐅᑭᐅᖅᑕᖅᑐᒥ ᑐᒐᓖᑦ ᐊᒥᓲᓂᖃᖅᐳᑦ 141,909 (ᐊᔾᔨᒌᖏᓂᖃᕈᓐᓇᖅᑐᑦ ᑐᒐᓖᑦ ᓇᔪᖅᐸᒃᑕᖏᑦ ᐃᒪᓐᓇᑎᒋᐅᔪᓐᓇᖅᑐᓂᒃ 20–ᓂᒃ 65% ᐳᓴᓐᑎᓄᑦ) ᕿᓚᓗᒐᐃᑦ ᑐᒐᓖᑦ.

- ᑖᒃᑯᐊ ᓈᓴᖅᑕᐅᓚᐅᕐᓂᖏᑦ ᑲᑎᑎᑦᑎᓯᒪᓚᐅᖅᑐᑦ ᒪᕐᕈᖕᓂᒃ ᐊᒥᓲᓂᓇᔭᖏᓐᓂᒃ ᓇᓚᐅᑦᑖᕈᑎᓂᒃ ᖃᐅᔨᒪᔾᔪᑕᐅᕙᒃᑐᓂᒃ ᐱᐅᓯᓇᖅᑲᓚᐅᖅᑑᖕᓂᒃ, ᑲᑎᑕᐅᓪᓗᑎᒃ ᓇᓚᐅᑦᑖᕈᑕᐅᓂᖏᓐᓄᑦ ᑕᒪᐃᓐᓂᒃ ᐱᑕᖃᕐᓂᖏᓐᓂᒃ/ᐊᒥᓲᓂᖏᓐᓂᒃ:

  1) ᓇᓃᓐᓂᖏᓐᓂᒃ ᐅᖓᓯᒌᖕᓂᖏᓐᓂᒃ ᐃᔾᔪᐊᖅᓯᓯᒪᓗᑎᒃ ᐊᑐᖅᑕᐅᓚᐅᖅᑐᑦ ᓇᓚᐅᑦᑕᕈᑕᐅᓂᖏᓐᓄᑦ ᖃᓄᖅ ᓂᕈᑭᑎᒋᕙᒪᖓᑕ ᖃᐅᔨᓴᕈᑎᓕᖕᓂᒃ ᑲᖏᖅᓯᖏᓐᓂᒃ; ᐊᒻᒪᓗ

  2) ᓇᓗᓇᐃᒃᑯᑦᑎᖅᑕᐅᓯᒪᔪᑦ ᐱᔭᐅᒃᑲᓐᓂᖃᑦᑕᕐᓂᖏᓐᓂᒃ ᐅᖓᓯᖕᓂᓕᖕᓂᒃ ᐆᒃᑐᕋᖅᑕᐅᖃᑦᑕᖅᓱᑎᒃ ᓇᓚᐅᑖᕈᑕᐅᓚᐅᖅᑐᑦ ᐱᑕᖃᖅᑎᓂᖏᓐᓂᒃ ᑐᒐᓖᑦ ᐊᓯᐊᓃᖕᒐᖅᓯᒪᓕᖅᓱᑎᒃ ᓇᓗᓇᐃᒃᑯᑦᑎᖅᑕᐅ2ᕝᕕᐅᓚᐅᖅᑕᖏᓐᓂᒃ.

- ᑕᒪᕐᒥᒃ ᑲᑎᓪᓗᒋᑦ ᐱᑕᖃᕐᓂᖏᑦ ᓇᓚᐅᑦᑕᕈᑏᑦ ᐃᓚᖃᓚᐅᕐᒥᔪᑦ ᑕᑯᔭᐅᖃᑦᑕᓚᐅᕐᓂᖏᓐᓂᒃ ᖃᓄᐃᓕᖓᓇᓱᒋᔭᐅᓚᐅᖅᑐᓂᒃ (ᑕᑯᔭᐅᖃᑦᑕᐅᓚᐅᖅᑐᓂᒃ ᑐᖓᐅᑦᑎᖃᑕᓚᐅᕐᓂᖏᓐᓂᒃ ᐱᑕᖃᖃᑦᑕᓚᐅᕐᒥᔪᒥᒃ ᑕᑯᒃᓴᐅᔪᓂ) ᓇᓚᐅᑦᑖᖅᑕᐅᓪᓗᑎᒃ ᐊᒥᓱᓄᑦ ᐊᓯᖏᓐᓄᑦ ᑕᑯᔭᐅᖃᑦᑕᕐᓂᖏᓐᓂᒃ ᓯᕗᐊᒍᑦ, ᐊᒻᒪᓗ ᑐᒡᓕᕐᒥᒃ ᑐᓄᐊᒍᑦ ᑕᑯᔭᐅᖃᓐᓂᖃᑦᑕᓚᐅᕐᓂᖏᓐᓂᒃ.

- ᐱᑕᖃᕐᓂᖏᑦᑕᐅᖅ ᐋᕿᒋᐊᖅᑕᐅᖃᑦᑕᓚᐅᕐᒥᔪᑦ ᑕᒻᒪᖅᓯᒪᔪᔫᕐᓂᖏᑦ ᐊᑐᐃᓐᓇᐅᔪᓐᓇᕐᓂᖏᓐᓂᒃ ᖃᓄᐃᓕᖓᓇᓱᒋᔭᐅᔪᓂᒃ (ᐱᖃᓯᐅᔭᔭᐅᓯᒪᔭᕆᐊᖃᕐᓂᖏᓐᓄᑦ ᐃᓚᖏᑦ ᐊᑯᓂᐅᓂᖃᖅᐸᖕᓂᖏᑦ ᐊᖅᑲᓲᖑᓂᖏᓐᓄᑦ ᑐᒐᓕᑦ ᑕᑯᒃᓴᐅᓕᕐᒥᑎᑦᓗᒋᑦ ᐃᒪᕐᒥᒃ ᐳᐃᔭᕋᖓᒥᒃ) ᓈᓴᖅᑕᐅᑦᓗᑎᒃ ᐳᓴᓐᑎᑎᒍᑦ ᐊᑯᓂᐅᓂᖃᖅᑎᒋᕙᓚᐅᕐᓂᖏᓐᓂᒃ ᒪᓕᒃᓱᑎᒃ ᖁᒻᒧᐊᒃᑎᑕᐅᓯᒪᔪᒍᑦ–ᒪᓕᒃᑕᐅᔪᓂᒃ ᕿᓚᓗᒐᐃᑦ ᑐᒐᓖᑦ, ᑕᒫᓂ ᐅᖓᓯᖕᓂᓕᖕᒥᒃ ᒪᕐᕉᖕᓂᒃ 2 ᒥᑖᖕᓂᒃ ᐳᐃᓯᒪᕝᕕᐅᕙᖕᓂᖏᓐᓂᒃ (ᐅᕝᕙᓗᓐᓃᑦ ᐊᑕᐅᓯᕐᒥᒃ 1 ᒥᑕᓂᒃ ᑲᖏᖅᓱᓂᒃ ᑕᑯᒃᓴᐅᓇᑦᑎᐊᖏᑦᑐᓂᒃ ᐃᒪᕐᒦᑦᑐᓂᒃ). ᐋᕿᒋᐊᕈᑎᖃᖅᑎᑕᐅᓚᐅᖅᑐᑦ ᖃᓄᐃᓕᖓᓇᓱᒋᔭᐅᕙᓚᐅᕐᓂᖏᑦ ᓈᓴᐅᑎᓂᒃ ᐊᑐᖅᓱᑎᒃ 2.94–ᓂᒃ ᐆᒃᑐᕋᐅᑎᖃᖅᑐᓂᒃ (ᐊᒻᒪᓗ 4.53–ᓂᒃ ᐆᒃᑐᕋᐅᑎᖃᖅᑐᓂᒃ ᑲᖏᖅᓱᓂᒃ ᑲᓇᖕᓇᖅᐸᓯᐊᓂᒃ ᕿᑭᖅᑖᓗᖕᒥ).

- ᐱᑕᖃᕐᓂᖏᑦ ᑐᒐᓖᑦ ᖃᓂᓈᖅᑕᐅᖃᑦᑕᓚᐅᖅᑐᑦ ᓈᓴᐅᑎᓕᖕᒍᑦ 500–ᒥᒃ ᐊᑐᖃᑦᑕᖅᓱᑎᒃ, ᑕᐃᒪ ᑕᐅᕙᓂ ᓈᓴᖅᑕᐅᓚᐅᖅᑐᑦ ᐃᒫᒃ, 12,500–ᓂᒃ ᐊᐅᓱᐃᑦᑑᑉ ᕿᑭᖅᑕᖓᑕ ᓂᒋᐊᓂ ᐃᒪᕐᓂ, 16,000–ᓂᒃ ᐊᑯᑭᒃᑐᕐᒥᐅᑦ ᕿᑭᖅᑖᓗᖕᒥᐅᓪᓗ ᐊᑯᓐᓂᖓᓂ ᑕᓯᐅᔭᕐᔪᐊᖓᓂ, 50,000–ᓂᒃ ᑰᓇᔫᑉ ᑲᓇᖕᓇᖓᓂ, 35,000–ᓂᒃ ᓴᓐᓂᕈᑎᐅᑉ ᑐᓄᓂᕈᓯᐅᓪᓗ ᐃᒪᖓᓂ, 10,500–ᓂᒃ ᑕᓯᐅᔭᐅᓂᖓᓂ ᐃᓐᓈᓗᒃ ᑲᖏᖅᓱᐊᕐᔪᖓᓂ ᐊᒻᒪᓗ 17,500–ᓂᒃ ᑲᓇᖕᓇᖅᐸᓯᐊᓂ ᕿᑭᖅᑖᓗᑉ ᐃᒪᖏᓐᓂ, ᑲᑎᓪᓗᒋᑦ ᑕᒪᕐᒥᒃ ᐊᒥᓲᓂᖃᖅᑎᒋᓪᓗᑎᒃ 142,000–ᓂᒃ ᕿᓚᓗᒐᕐᓂᒃ ᑐᒐᓕᖕᓂᒃ ᑲᓇᑕᒥᐅᑦ ᖁᑦᑎᖕᓂᕐᒥᒃ ᐅᑭᐅᖅᑕᖅᑑᓂᖓᓂ.

- ᐃᓱᒪᒋᔭᐅᓪᓗᑎᒃ ᒪᓕᒃᑕᐅᑦᑎᐊᖅᑐᔾᕐᓂᖏᑦ ᑐᒐᓖᑦ ᕿᓚᓗᒐᕐᖃᕐᓂᖏᑦ ᐱᖓᓱᔪᖅᑐᓂᒃ 6–ᓂ ᐊᐅᔭᒃᑯᑦ ᓇᔪᖅᑕᐅᕙᒃᑐᓂ, ᐊᒻᒪᓗ ᒪᓕᒃᒧᑕᐅᓪᓗᑎᒃ ᐊᒥᓱᑎᒋᓚᐅᕐᓂᖏᑦ ᓇᓚᐅᑖᖅᑕᐅᓚᐅᖅᓯᒪᔪᑦ 2013–ᒥ, ᑕᐃᒃᑯᐊ ᑕᒪᕐᒥᒃ ᑲᑎᓪᓗᒋᑦ ᐱᑕᖅᑕᐅᔪᓐᓇᕐᓂᖏᓐᓄᑦ ᐅᖃᐅᔨᒋᐊᕈᑕᐅᓕᖅᐳᑦ ᐃᒫᒃ, 76–ᓂᒃ ᐊᐅᓱᐃᑦᑑᑉ ᕿᑭᖅᑕᖓᑕ ᓂᒋᐊᓂ ᐃᒪᕐᒥ, 77–ᓂᒃ ᐊᑯᑭᒃᑐᕐᒥᐅᑦ ᕿᑭᖅᑖᓗᖕᒥᐅᓪᓗ ᐊᑯᓐᓂᖓᓂ ᑕᓯᐅᔭᕐᔪᐊᖓᓂ, 658–ᓂᒃ ᑰᓇᔫᑉ ᑲᓇᖕᓇᖓᓂ, 389–ᓂᒃ ᓴᓐᓂᕈᑎᐅᑉ ᑐᓄᓂᕈᓯᐅᓪᓗ ᐃᒪᖓᓂ, 134–ᓂᒃ ᑕᓯᐅᔭᖅ ᐃᓐᓈᓗᒃ ᑲᖏᖅᓱᐊᕐᔪᖕᒥ, ᐊᒻᒪᓗ 206–ᓂᒃ ᑲᓇᖕᓇᖅᐸᓯᐊᓂ ᕿᑭᖅᑖᓗᑉ ᑕᕆᐅᖓᓂ, ᑲᑎᓪᓗᒋᑦ ᑕᒪᕐᒥᒃ 1,540–ᖑᓪᓗᑎᒃ ᑐᒐᓖᑦ ᐱᑕᖅᑕᐅᔪᓐᓇᕐᓂᖏᑦ ᐊᕐᕋᒍᑕᒫᖅ. ᑕᐃᒃᑯᐊ ᑐᒐᓖᑦ ᑕᐅᕙᖓᑦ ᑕᓯᐅᔭᖅ ᐃᓐᓈᓗᒃ ᑲᖏᖅᓱᐊᕐᔪᖕᒥ ᐊᒻᒪᓗ ᓴᓐᓂᕈᑎᐅᑉ ᑐᓄᓂᕈᓯᐅᓪᓗ ᐃᒪᖓᓃᑦᑐᑦ ᐊᑕᐅᓯᓐᓇᐅᓇᓱᒋᔭᐅᒍᑎᒃ

ᑕᐃᒃᑯᐊᓴᐃᓐᓇᐅᓗᑎᒃ, ᑕᐃᒃᑯᐊ ᑕᒪᕐᒥᒃ ᐱᑕᖅᑕᐅᔪᓐᓇᖅᑎᒋᓂᖕᒋᓐᓄᑦ ᐊᒥᓲᓂᖕᒋᑦ ᑕᐃᒫᑐᐃᓐᓇᖅ ᓈᓴᖅᑕᐅᓯᒪᔪᓐᓇᔭᖕᒋᒻᒥᔪᑦ. ᑕᒪᕐᒥᒃ ᐱᑕᖅᑕᐅᔪᓐᓇᕐᓂᖕᒋᑦ ᑐᒫᓖᑦ ᑲᑎᑦᓗᒋᑦ 542–ᖑᓇᔭᖅᑐᑦ ᑐᒫᓖᑦ.

- ᐱᔭᐅᔪᓐᓇᕐᓂᖕᒋᑦ ᑐᒫᓖᑦ ᓄᓇᓕᖕᓄᑦ ᐱᐅᓯᖃᕆᐊᖃᕐᓂᐊᖅᑐᑦ ᓇᓴᖅᑕᐅᖃᑕᐅᖃᑦᑕᕐᓗᑎᒃ ᐃᓛᓂᒃᑯᑦ ᐊᕐᕋᒍᒥᒃ ᐱᑕᖅᑕᐅᖃᑦᑕᕐᓂᖕᒋᑦᑕᐅᖅ ᐊᓯᖕᒋᓂᖕᒐᖅᓯᒪᕙᖕᒥᔪᑦ.

ᓯᕗᓪᓕᖅᐹᒥ ᐅᖃᐅᓯᒃᓴᐃᑦ

ᑲᓇᑕᒥᓕ, ᓴᓐᓂᕈᑎᐅᑉ ᐃᒪᖕᒐᓂ ᕿᓚᓗᒐᐃᑦ ᑐᖕᒐᓖᑦ ᒫᓐᓇᐅᓕᖅᑐᖅ ᐊᐅᓚᑕᐅᕙᖕᒪᑕ ᓯᑕᒪᐅᓂᕋᖅᑕᓗᑎᒃ ᐊᕕᒃᑐᖅᓯᒪᔪᑦ ᑲᑎᖕᒐᕙᖕᓂᖕᒋᑦ, ᐊᑐᓂ ᑭᒡᒐᖅᑐᐃᓪᓗᑎᒃ ᐊᔾᔨᒌᖕᒋᑦᑑᑎᐅᔪᓂᒃ ᓇᔪᖅᑕᐅᕙᒃᑐᓂᒃ, ᓲᕐᓗ ᐆᒃᑑᑎᒋᓗᒍ: ᑰᒐᓇᔫᑉ ᑲᓇᖕᓇᖕᒐᓂ - (SI), ᓴᓐᓂᕈᑎᐅᑉ ᑐᓄᓂᕈᓯᐅᓪᓗ ᐃᒪᖕᒐᓂ (AI), ᑕᓯᐅᔭᖅ ᐃᓐᓈᓗᒃ ᑲᖕᒋᖅᓯᐊᕐᔪᖕᒥ (ES–ᒥ) ᐊᒻᒪᓗ ᑲᓇᖕᓇᖅᐹᓯᐊᓂ ᕿᑭᖅᑖᓗᑉ ᑕᓇᐅᖕᒐᓂ (EB-ᒥ). ᐊᒥᓱᒐᓴᐃᑦ ᑐᒫᓖᑦ ᖃᐅᔨᓴᖅᑕᐅᓚᐅᖅᑐᑦ ᐃᖃᓗᓕᓇᔨᕐᔪᐊᒃᑯᓐᓄᑦ ᑕᐅᕙᓂ ᑲᓇᖕᓇᖅᐹᓯᐊᓂ ᑲᓇᑕᒥᐅᑦ ᐅᑭᐅᖅᑕᖅᑑᓂᖕᒐᓂ 1975–ᒥᓂᒃ 2011–ᒧᑦ ᑎᑭᓪᓗᒍ, ᓇᓚᐅᑦᑖᖅᑕᐅᔪᒪᓪᓗᑎᒃ ᐱᑕᖃᕐᓂᖕᒋᑦ ᐊᔾᔨᒌᖕᒋᑦᑐᑏᑦ ᑖᒃᑯᐊ ᓴᓐᓂᕈᑎᐅᑉ ᐃᒪᖕᒐᓃᖃᑦᑕᖅᑐᓂᒃ (ᐃᖃᓗᓕᓇᔨᕐᔪᐊᑯᑦ DFO 2012, Doniol-Valcroze et al. 2015a). ᑕᒪᕐᒥᒃᓴᐃᑦ ᓯᕗᓂᐊᒍᑦ ᐊᒥᓲᑎᒋᓂᖕᒋᑦ ᐱᑕᖃᖅᑎᒋᓂᖕᒋᑦ ᖃᐅᔨᒪᓚᐅᖅᑐᑦ ᐱᔭᕇᖅᑕᐅᓯᒪᖕᒋᓐᓂᖕᒋᓐᓂᒃ. ᑐᒫᓕᒃᑕᖃᖃᑦᑕᕐᒥᖕᒪᑦ ᐊᓯᖕᒋᓐᓂ ᑲᓇᑕᐅᑉ ᖁᑦᑎᒃᑐᒥ ᐅᑭᐅᖅᑕᖅᑑᓂᖕᒐᓂ ᐊᐅᔭᒃᑯᑦ (ᓲᕐᓗ ᕿᑎᖅᒥᐅᓂ ᐃᑭᕋᓴᐅᑉ ᐃᒪᖕᒐᓂ ᐃᑦᑐᐊᖅᑐᕐᕕᖕᒥ ᐊᒻᒪᓗ ᐃᖃᓗᒃᑑᑦᑎᐊᕐᓂ) ᑭᓯᐊᓂ ᑐᒫᓖᑦ ᐱᑕᖃᕐᒪᖕᒫᑕ ᖃᐅᔨᓴᖅᑕᐅᓚᐅᖅᓯᒪᖕᒋᓚᑦ ᑕᒫᓂ. 2013–ᖑᓕᖅᑎᓪᓗᒍ, ᒪᕐᕉᓂᒃ 2 ᑐᒫᓕᒃᑕᖃᕐᕕᐅᕙᖕᒥᔪᓂᒃ ᓯᕗᓂᐊᒍᑦ ᐃᓕᑕᓇᔭᐅᓯᒪᖃᑦᑕᓚᐅᖅᑐᓂᒃ ᑕᐅᕙᓂ ᐊᐅᓱᐃᑦᑑᑉ ᕿᑭᖅᑕᖕᒐᑕ ᓂᒋᐊᓂ ᐃᒪᖕᒋᓐᓂ ᐊᒻᒪᓗ ᐊᑯᑭᒃᑐᕐᒥᐅᑦ ᕿᑭᖅᑖᓗᖕᒥᐅᓪᓗ ᐊᑯᓐᓂᖕᒐᓂ ᑕᓯᐅᔭᕐᔪᐊᖕᒐᓂ ᖃᐅᔨᓴᖅᑕᐅᓚᐅᖅᑑᒃ. ᓯᕗᓂᐊᒍᑦ ᓈᓴᖅᑕᐅᓯᒪᔪᐃᓐᓇᐅᓯᒪᖕᒋᒻᒪᑕ ᑕᒪᕐᒥᒃ ᖃᐅᔨᒪᔭᐅᓂᖕᒋᑦ ᖁᑦᑎᒃᑐᒥ ᑐᒫᓖᒃᑕᖃᕐᓂᖕᒋᑦ ᐃᒪᐃᑦ, ᐊᑕᐅᓯᕐᒥᒃ ᐊᐅᔭᐅᓂᕐᒥ.

ᑐᒫᓖᑦ ᐊᐅᔭᒃᑯᒃ ᑕᐅᕙᓃᖃᑦᑕᖅᑐᑦ ᑲᓇᖕᓇᖅᐹᓯᐊᓂ ᑲᓇᑕᐅᑉ ᐅᑭᐅᖅᑕᖅᑑᑎᓂᖕᒐ ᑕᐃᔭᐅᓯᒪᖕᒪᑕ ᒪᓕᒐᖅᑎᒍᑦ ᐊᔾᔨᐅᖕᒋᑦᑐᒥᒃ ᐃᓱᒪᓘᑖᐅᓂᖅ ᑕᐃᑯᓄᖕᒐ ᑲᑎᒪᔨᕋᓛᓄᑦ ᖃᓄᐃᓕᖕᒐᓕᕐᓂᖕᒋᓐᓄᑦ ᐊᒥᓲᖕᒋᓗᐊᓕᖅᑐᑦ ᐆᒪᔪᐃᑦ ᑲᓇᑕᒥ (COSEWIC-ᑯᑦ/ᑳᔅᐅᐃᒃᑯᑦ) ᐊᒻᒪᓗ ᓯᕗᓪᓕᐅᑎᑕᐅᓯᒪᓪᓗᑎᒃ ᐃᒪᕐᒥᐅᑕᓕᕆᓂᕐᒧᑦ ᐃᖃᓗᓕᓇᔨᕐᔪᐊᒃᑯᓐᓄᑦ. ᑐᒫᓖᑦ ᕿᓚᓗᒐᐃᑦ ᐃᓕᑕᓇᔭᐅᓯᒪᓕᖅᑐᑦ ᑎᑎᖃᐃᑦ ᐃᓚᒃᑯᖕᒋᓐᓂᖕᒋᓐᓄᑦ ᑐᒡᓕᓇᔭᐅᔪᓄᑦ II–ᓄᑦ ᑲᑎᒻᒪᑕᐅᕐᓯᒪᓂᖕᒋᓐᓄᑦ ᓄᓇᕐᔪᐊᕐᒥᐅᑕᓄᑦ ᓂᐅᕐᕈᑎᒃᓴᖃᖅᐸᖕᓂᖅ ᐊᒥᓲᖕᒋᓗᐊᓕᖅᑐᓂᒃ ᐆᒪᔪᓂᒃ (CITES–ᑯᑦ/ᓴᐃᑏᓴᑯᑦ) ᐊᒻᒪᓗ ᐅᓗᓇᐊᓇᖅᑐᒦᖕᒋᓐᓂᖅᕋᖅᑕᐅᓯᒪᔭᓇᐊᖃᓇᓪᓗᑎᒃ (ᐅᓗᓇᐊᓇᖅᑐᒦᖕᒋᓐᓂᕋᖅᑕᐅᓂᖅ) ᐃᓱᒪᓕᐅᕈᑕᐅᓯᒪᓪᓗᑎᒃ ᐃᖃᓗᓕᓇᔨᕐᔪᐊᒃᑯᑦ ᖃᐅᔨᓴᖅᑏᑦ ᐊᐅᓚᑦᑎᔨᐅᓂᖕᒋᓐᓄᑦ, ᑕᐃᒪᐃᓕᖕᒐᓗᑎᒃ ᑭᓯᐊᓂ ᐱᔪᓐᓇᐅᑕᐅᖃᑦᑕᕐᒪᑕ ᓴᐃᑎᔅᑯᓐᓂᒃ ᑐᔪᐃᔪᓐᓇᕐᓂᕐᒥᒃ/ᑎᑭᓴᐃᔪᓐᓇᕐᓂᕐᒥᓄᓪᓗᓐᓂᑦ ᐱᔪᓐᓇᐅᑎᑖᕈᑕᐅᓯᒪᔪᓐᓇᕐᓂᖅ, ᑲᓇᑕᐅᑉ ᓯᓚᑖᓄᑦ ᑐᔪᐃᔪᖃᖃᑦᑕᕐᓂᐊᕈᓂ ᑐᒫᓕᒥᓂᕐᓂᒃ ᓄᓇᕐᔪᐊᕐᒥ. ᐱᑕᖅᑕᐅᓯᒪᔪᑦ ᑐᒫᓖᑦ ᑲᓇᑕᒥ ᐊᐅᓚᑦᑎᕕᐅᔪᓂ ᐃᓚᒋᔭᐅᓲᖑᖕᒋᓚᑦ ᓄᓇᕐᔪᐊᕐᒥ ᓂᐅᕐᕈᑎᒃᓴᐅᔪᓐᓇᖅᑐᓂᒃ ᑕᐃᒃᑯᐊ ᐱᑕᖅᑕᐅᓯᒪᓂᖕᒋᑦ ᐅᖓᑕᐅᔾᔨᓯᒪᒍᑎᒃ ᑕᒪᐃᓐᓂᒃ ᑲᑎᑕᐅᓯᒪᓪᓗᑎᒃ ᐱᑕᖅᑕᐅᔪᓐᓇᕐᓂᖕᒋᓐᓂᒃ ᐊᑐᓕᕐᑯᔭᓕᐊᓂᖑᓯᒪᔪᓂᒃ ᐱᑕᖃᕐᓂᖕᒋᑦ ᑐᒫᓖᑦ ᐊᑐᓂ. ᐊᑖᒍᑦ ᓯᐃᑏᓴᑯᑦ ᒪᓕᒐᖓᒍᑦ, ᓄᑖᑦ ᖃᐅᔨᓴᖅᑕᐅᓯᒪᔪᓂᒃ ᑐᓴᒐᒃᓴᐃᑦ ᐊᒻᒪᓗ ᑎᑎᕋᖅᑕᐅᓯᒪᓕᖅᑐᑦ ᐊᐅᓚᑦᑎᓂᕐᒧᑦ ᖃᓄᐃᓕᐅᕈᑎᒃᓴᐃᑦ ᐱᑕᖃᓇᐊᖃᓲᖑᒋᕗᑦ ᖃᐅᔨᒪᔾᔪᑕᐅᑦᑎᐊᕐᓂᐊᕐᒪᑕ ᐊᒥᐊᒃᑯᖃᐃᓐᓇᕈᓐᓇᕐᓂᐊᖅᑐᓂᒃ ᑐᒫᓕᖕᓂᒃ ᐊᐅᓚᑦᑎᔪᓐᓇᕐᓂᖅ ᐱᔪᓐᓇᐅᑕᐅᓇᔭᖅᑐᓂᒃ ᓄᓇᕐᔪᐊᕐᒥᐅᑕᓄᑦ ᓂᐅᕐᕈᑎᒃᓴᐅᓕᕈᓐᓇᕐᓂᖅ.

ᑖᒃᑯᐊ ᑲᓇᑕᒥᐅᑕᓄᑦ ᖃᐅᔨᓴᖅᑎᓄᒃ ᐅᖃᐅᔾᔨᒋᐊᖅᑎᐅᕙᖅᑐᑦ ᐱᓕᕆᕕᖓᑦ (CSAS–ᑯᑦ) ᖃᐅᔨᓴᖅᑎᓄᒃ ᐅᖃᐅᔾᔨᒋᐊᖅᑎᓂᒃ ᐅᓂᒃᑳᓕᐊᑦ ᐱᑕᖃᖅᐳᑦ ᓄᑖᓂᒃ ᖃᐅᔨᓴᖅᑕᐅᓯᒪᓕᖅᑐᓂᒃ ᐅᖃᐅᔾᔨᒋᐊᕈᑎᒃᓴᓂᒃ ᐱᔾᔪᑎᖃᖅᑐᓂᒃ ᑕᒪᐃᓐᓂᒃ ᑲᑎᓪᓗᒋᑦ ᐱᑕᖅᑕᐅᔪᓐᓇᕐᓂᖕᒋᓐᓂᒃ ᐊᑐᓂ ᓴᓐᓂᕈᑎᐅᑉ ᐃᒪᖕᒐᓂ ᑐᒫᓕᒃᑕᖃᕐᕕᐅᓂᖕᒋᓐᓂ, ᐊᒻᒪᓗ ᑐᒫᓕᒃᑕᖃᕐᕕᐅᓂᖕᒋᓐᓂ ᑕᐅᕙᓂ ᐊᑯᑭᒃᑐᕐᒥᐅᑦ ᕿᑭᖅᑖᓗᖕᒥᐅᓪᓗ ᐊᑯᓐᓂᖕᒐᓂ ᑕᓯᐅᔭᕐᔪᐊᖅ ᐊᒻᒪᓗ ᐊᐅᓱᐃᑦᑑᑉ ᕿᑭᖅᑕᖕᒐᑕ ᓂᒋᐊᓂ ᐃᒪᖕᒋᓐᓂ.

ᖃᐅᔨᓴᖅᑕᐅᓚᐅᖅᑐᑦ ᑐᑭᓯᓂᐊᕈᑕᐅᓂᕐᒧᑦ

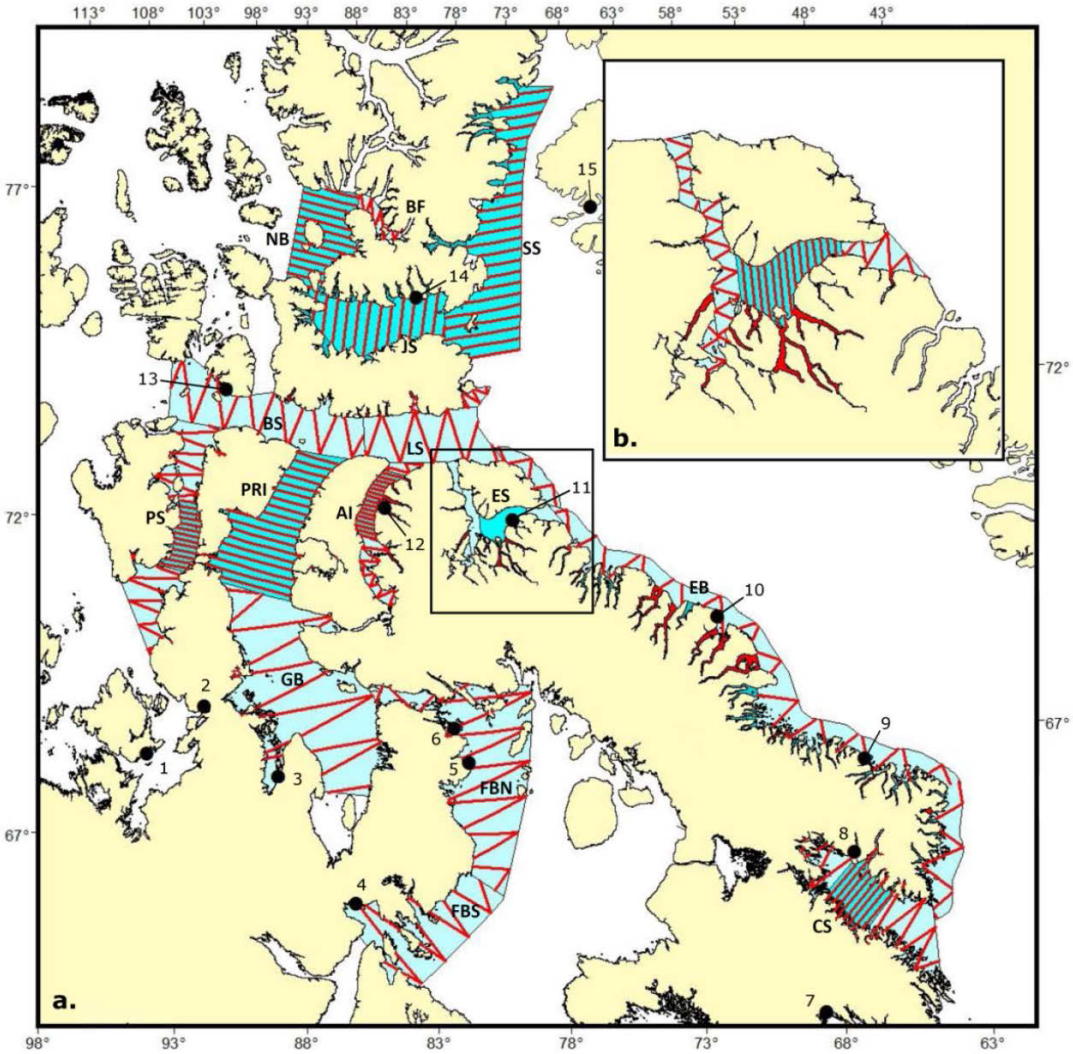
ᐊᑐᖅᑕᐅᓚᐅᖅᑐᑦ ᖃᐅᔨᓴᕈᓯᑦ

ᓈᓴᖅᑕᐅᓂᖕᒋᑦ ᐋᕿᐅᒪᓚᐅᖅᑐᑦ ᑕᒪᒃᑭᖅᑕᐅᔪᒪᓪᓗᑎᒃ ᐊᐅᔭᒃᑯᑦ ᓇᔪᖅᑕᐅᕙᖕᓂᖕᒋᑦ ᐃᒪᐃᑦ ᑐᒫᓕᖕᓄᑦ ᕿᓚᓗᒐᕐᓄᑦ ᑲᓇᑕᒥᐅᑦ ᖁᑦᑎᒃᑐᒥᒃ ᐅᑭᐅᖅᑕᖅᑐᒥ (ᐊᕕᒃᑐᖅᓯᒪᔪᓂᒃ ᑕᑯᑎᑦᑎᔾᔪᑦ 1), ᐊᑕᐅᑎᒃᑯᑦ (Doniol-Valcroze et al. 2015b). ᑐᒫᓕᑦ ᐃᓱᒪᒋᔭᐅᓯᒪᖕᒪᑕ ᐅᐸᒃᓯᒪᓚᐅᖅᑕᒥᓄᑦ ᐅᑎᖃᑦᑕᐃᓐᓇᓲᖑᓂᖅ ᐊᐅᔭᒃᑯᑦ. ᑭᓯᐊᓂᓕᑕᐅᖅ, ᒫᓐᓇᓴᖅ ᐃᓱᒪᓇᖅᓯᓕᓚᐅᕐᒥᔪᖅ ᐃᓛᓂᒃᑯᑦ ᐊᒥᓲᖕᒋᑦᑑᒐᓗᐊᓂᒃ ᓂᑭᑖᖃᑕᕐᒥᔪᑦ ᓇᓃᕝᕕᒋᓂᐊᓕᕐᒥᒪᔭᒥᓂᒃ (Dietz et al. 2001, Heide-Jørgensen et al. 2002, Watt et al. 2012). ᑕᐃᒪᓐᓇᐃᓂᖓᓄᑦ, ᓇᔪᒐᓇᔭᐅᕙᒃᑐᑦ ᑕᒪᕐᒥᒃ ᓈᓴᖅᑕᐅᔭᖅᑐᕐᕕᐅᓚᐅᖅᑐᑦ ᐱᖓᓱᔪᖅᑐᑦ 6–ᖑᔪᑦ ᐊᑕᐅᓯᕐᒥᒃ ᑕᕐᑭᐅᓚᐅᖅᑐᒥ, ᐊᑐᖅᓱᑎᒃ ᐱᖓᓱᓂᒃ 3 ᖃᖓᑕᓲᕐᓂᒃ ᒪᕐᕈᐃᖅᑕᖅᑕᐅᓗᑎᒃ ᓈᓴᖅᑕᐅᕐᑯᓇᒋᑦ. ᓯᕗᓪᓕᐅᑎᑕᐅᓚᐅᖅᑐᑦ ᐊᐅᓱᐃᑦᑑᑉ ᕿᑭᖅᑕᖓᑕ ᓂᒋᐊᓂ ᐃᒪᖓ, ᐊᑯᑭᒃᑐᕐᒥᐅᑦ ᕿᑭᖅᑖᓗᖕᒥᐅᓪᓗ ᐊᑯᓐᓂᖓᓂ ᑕᓯᐅᔭᕐᔪᐊᕐᒥ, ᐊᒻᒪᓗ ᑰᒐᓇᔫᑉ ᑲᓇᖕᓇᖓᓂ ᐃᒪᖕᒋᑦ ᐱᔾᔪᑕᐅᓗᑎᒃ ᓯᕗᓂᐊᒍᑦ ᖃᐅᔨᓴᕐᕕᐅᓯᒪᖕᒋᒪᑕ ᓈᓴᐃᕝᕕᐅᓯᒪᒐᑎᒃ, ᐊᐅᓱᐃᑦᑑᑉ ᕿᑭᖅᑕᖓᑕ ᓂᒋᐊᓂ ᐃᒪᖓ, ᐊᒻᒪᓗ ᐊᑯᑭᒃᑐᕐᒥᐅᑦ ᕿᑭᖅᑖᓗᖕᒥᐅᓪᓗ ᐊᑯᓐᓂᖓᓂ ᑕᓯᐅᔭᕐᔪᐊᕐᒥ ᐋᒐᓱᐅᓕᖅᑎᓪᓗᒍ ᐊᒻᒪᓗ ᑰᒐᓇᔫᑉ ᑲᓇᖕᓇᖓᓂ ᐃᒪᕐᒥ ᐊᒥᓲᓂᕋᖅᑕᐅᓯᒪᓂᖕᒋᑦ 17–ᓂᒃ ᐊᕐᕋᒍᓂᒃ ᖃᐅᔨᓴᖅᑕᐅᓚᐅᕈᓐᓃᕐᒪᑕ.

ᐊᑐᓂ ᑕᐃᒃᑯᐊ ᐱᑕᖃᓲᑦ ᖃᐅᔨᒪᔾᔪᑎᒃᓴᓕᐊᖑᓂᖕᒋᓐᓂ ᐊᕕᒃᑐᖅᑕᐅᓯᒪᖃᑕᓚᐅᖅᑐᑦ (ᐊᕕᒃᑐᖅᓯᒪᔪᓂᒃ 2.), ᑐᖓᕕᖃᖅᓱᑎᒃ ᓇᐅᒃᑯᑦ ᑭᒡᓕᖃᕐᓂᖕᒋᓐᓂᒃ ᐊᒻᒪᓗ ᐱᑕᖃᖅᑎᒋᓂᐊᖅᑐᔫᕐᓂᖕᒋᓐᓂᒃ ᑐᒫᓛᑦ ᕿᓚᓗᒐᐃᑦ ᒪᓕᒃᑕᐅᓪᓗᑎᒃ ᖃᐅᔨᓴᖅᑕᐅᖃᑦᑖᓂᒃᓯᒪᔪᑦ. ᑕᐃᒃᑯᐊ ᖃᐅᔨᒪᔾᔪᑎᒃᓴᐃᑦ ᐱᑕᖃᖕᒋᑳᖕᒐᒥᒃ, ᐃᓄᐃᑦ ᖃᐅᔨᒪᔭᑐᖃᖕᒋᑦ ᐊᒻᒪᓗ/ᐅᕝᕙᓗᓐᓃᑦ ᑕᑯᖃᑦᑕᖅᓯᒪᔭᖕᒋᓐᓂᒃ ᖃᖓᑕᓲᒃᑯᑦ ᖁᓚᐅᑕᐅᖃᑦᑕᓚᐅᖅᑐᓂᒃ 2012-ᒥ ᐊᑐᖅᑕᐅᓚᐅᖅᑐᑦ ᑐᑭᓕᐅᕈᑕᐅᓂᕐᒧᑦ ᖃᓄᖅ ᖃᐅᔨᓴᖅᑕᐅᓯᒪᓂᐊᕐᒪᖔᑖ. ᖃᐅᔨᓴᕐᕕᒃᓴᐃᑦ ᐅᖓᓱᖕᓂᖃᖅᑎᑕᐅᕙᓚᐅᖅᑐᑦ ᓇᓕᒧᒋᐊᖅᑐᓂᒃ ᐅᖓᓱᖕᓂᓕᖕᓂᒃ, ᐊᒻᒪᓗ ᐅᖓᓱᓛᖑᓂᖕᒐᓂᒃ ᓂᕈᑐᓛᖑᓂᖕᒐᒍᑦ ᓴᓂᖓᔪᓕᐅᕐᕕᐅᓯᒪᓪᓗᑎᒃ ᑲᑎᖓᕕᖃᖅᑑᖕᓂᒃ ᐊᕙᓗᐊᒍᑦ (ᐊᕕᒃᑐᖅᓯᒪᔪᓂᒃ 2.). ᓴᓂᓕᓈᒃᑐᒐᓴᖕᓂᒃ ᑐᑭᒧᐊᒃᑐᓂᒃ ᓴᓂᒧᓪᓗᓐᓃᑦ ᐊᕕᒃᑐᐃᓯᒪᓚᐅᕐᒥᔪᑦ ᐊᒻᒪᓗ ᐅᑕᖅᑕᕋᖅᓯᒪᓪᓗᑎᒃ ᑐᑭᒧᑦ, ᓴᓂᒧᑦ, ᑐᑭᒧᓪᓗ ᑕᐃᒫᒃ ᑲᔪᓯᓯᒪᔪᓂᒃ ᖃᐅᔨᓴᖅᑕᐅᓂᖕᒋᓐᓂᒃᓄᑦ ᒥᑭᔪᑎᐅᓂᖅᓴᐃᑦ ᐊᒥᓱᓂᒃ ᑐᒐᓕᒃᑕᖃᕐᓂᖕᒋᓐᓂᒃ (ᓴᓂᓕᓈᒃᑐᓂ ᑐᑭᒧᐊᒃᑐᓂᒃ) ᐊᒻᒪᓗ ᐊᖕᒋᔫᑎᓂᒃ ᐃᒪᐅᓂᖕᒋᓐᓂᒃ ᐊᒥᓲᓂᐊᕋᓱᒋᔭᐅᖕᒋᑦᑐᓂ ᑐᑭᒧᐊᒃᑐᓂᒃ ᓴᓂᒧᐊᒃᑐᓂᒡᓗ ᐅᑎᖅᑕᖅᓱᑎᒃ. ᑖᒃᑯᐊ ᐱᓇᓱᐊᖅᑕᐅᓚᐅᖅᑐᑦ ᓈᓴᐃᕝᕕᐅᕋᓂᒐᓗᐊᕐᓂᖅ ᐊᑐᓂ ᐊᑕᐅᓯᕐᒥᒃ ᒪᕐᕈᖕᓂᒡᓗᓐᓃᑦ 1-2-ᓂᒃ ᐅᓪᓗᖕᓂᒃ.

ᑐᒫᓛᑦ ᑲᖕᒋᖅᓱᓃᒐᔪᖕᒪᑕ ᐃᑎᔫᑎᓂ ᑐᕙᐃᖓᓕᖅᑎᓪᓗᒍ ᐊᐅᔭᒃᑯᑦ (Dietz et al. 2001). ᐱᔾᔪᑕᐅᓪᓗᑎᒃ ᑲᖕᒋᖅᓱᐃᑦ ᑕᑭᔪᓲᖑᓂᖕᒋᑦ ᓂᕈᑐᒐᑎᒃ, ᖃᓄᑐᐃᓐᓇᖅ ᐋᕿᐅᒪᔪᓐᓇᖅᓱᑎᒃ ᐊᒻᒪᓗ ᓴᓂᕋᖅᑲᕈᓐᓇᖅᓱᑎᒃ ᐳᖅᑐᔪᐊᓗᖕᓂᒃ, ᖃᐅᔨᓴᖅᑕᐅᔪᓐᓇᖃᑦᑕᖕᒋᒻᒪᑕ ᐊᑐᕐᓗᑎᒃ ᑐᑭᒧᐊᑐᐃᓐᓇᖅᑐᑦ ᐊᕕᒃᑐᐃᓯᒪᔾᔪᑏᑦ, ᑕᐃᒪᐃᓂᖕᒋᓐᓄᑦᓗ ᐅᖓᓱᖕᓂᖃᖅᑐᓂᒃ ᓇᓚᐅᑦᑖᕈᑎᓂᒃ ᐊᑐᖅᑕᐅᕙᒃᑑᒐᓗᐊᑦ ᐊᑐᖅᑕᐅᔪᓐᓇᖃᑦᑕᖕᒋᓚᑦ ᑕᐃᒪᐃᓕᖓᔪᓂ. ᑕᐃᒪᐃᓐᓂᖓᓄᑦ, ᐊᕕᒃᑐᖅᑕᐅᓯᒪᔪᓂᒃ ᖃᐅᔨᓴᕈᑎᒃᓴᓂᒃ ᐊᑐᖅᑕᐅᓂᐊᖅᑐᓂᒃ ᐋᕿᐅᒪᑎᑦᑎᓕᓚᐅᖅᑐᑦ ᑲᖕᒋᖅᓱᓂ ᖃᐅᒪᔾᔪᑕᐅᑎᐊᕐᓂᐊᖅᑐᓂᒃ (Doniol-Valcroze et al. 2015a) ᐊᑐᓂ ᑲᖕᒋᖅᓱᐃᑦ ᐱᒻᒪᕆᐅᔪᓂᒃ ᐆᒃᑐᕋᕐᕕᑦᑎᐊᕙᐅᓗᑎᒃ ᐊᒻᒪᓗ ᐱᑕᖃᖅᑎᒋᓂᖕᒋᑦ ᓇᓚᐅᑦᑖᖅᑕᐅᔪᓐᓇᖅᓱᑎᒃ ᐊᑐᓂ ᑕᐃᒃᑯᓇᓂ ᐃᖕᒥᒍᖓᑎᑕᐅᓪᓗᑎᒃ.

ᖃᐅᔨᓴᖅᑕᐅᔾᔪᑎᒃᓴᖕᒋᑦ ᓴᓇᔭᐅᓯᒪᓚᐅᖅᑐᑦ ᒪᕐᕈᐃᓕᖃᖓᔪᑎᑐᑦ ᖃᐅᔨᓴᕈᑕᐅᓂᕐᒧᑦ, ᐃᖕᒥᒍᖓᔪᓂᒃ ᑕᐅᑐᒋᐊᖅᑐᕐᕕᐅᖃᑦᑕᖅᓯᑎᒃ ᓯᕗᓪᓕᐅᓂᖅᓴᓂᒃ ᖁᓚᐅᑕᐅᓂᖕᒋᓐᓂ ᐊᒻᒪᓗ ᑭᖑᓂᐊᒍᑦ ᖃᖓᑕᕝᕕᐅᕋᓂᓯᒪᓕᖅᑎᓪᓗᒋᑦ ᖃᐅᔨᓴᕐᕕᖕᓄᑦ ᖃᖓᑕᓲᕐᓄᑦ. ᐊᑐᓂ ᐱᖓᓱᑦ ᖃᖓᑕᓲᑦ ᖃᐅᔨᓴᕈᑕᐅᔪᑦ ᐃᓚᖃᓚᐅᖅᑐᑦ ᑕᐅᑐᕋᓐᓈᖅᑎᐅᑎᑕᐅᔪᓂᒃ ᓯᑕᒪᓂᒃ, ᐊᑐᓂ ᑕᐅᑐᕋᓐᓈᕆᐊᖃᖅᑐᖅ ᑎᒃᑯᐊᖅᑕᐅᓯᒪᖃᑦᑕᖅᓱᓂ ᑕᐅᑐᒡᕕᒋᔭᕆᐊᖃᕐᓂᐊᖅᑕᖕᒋᓐᓂᒃ ᖁᓚᐅᑦᑎᓂᖕᒋᓐᓂ ᐊᒻᒪᓗ ᖄᖕᒋᖅᓯᒪᓕᕐᓂᖕᒋᓐᓂᒃ. ᒪᕐᕉᒃ ᑕᐅᑐᕋᓐᓈᖅᑏᒃ ᐃᓂᖃᖅᑎᑕᐅᓚᐅᖅᑑᒃ ᑕᐃᑲᓂᑦᓴᐃᓐᓇ ᐃᒡᓗᖕᒐᖓᓂ ᖃᖓᑕᓲᑦ ᐃᓗᐊᓂ ᐊᒻᒪᓗ ᐊᓯᖕᒋᓐᓂᒃ ᑐᓴᖅᓴᐅᔪᖃᕈᓐᓇᖕᒋᑦᑐᓂᒃ ᑕᐃᒫᒃ ᐃᖕᒥᒍᖓᔪᓐᓇᑦᑎᐊᕐᓂᐊᕐᒪᑕ ᖃᐅᔨᓴᖕᒋᓐᓂᒃ. ᑕᒪᕐᒥᒃ ᑕᐃᒃᑯᐊ ᐱᖓᓱᔪᑦ ᐃᓚᖃᓚᐅᖅᑐᑦ ᐃᓚᓐᓂᐊᖅᑎᑕᐅᓯᒪᑦᑎᐊᖅᑐᓂᒃ ᐃᓄᖕᒥᒃ ᑕᐅᑐᕋᓐᓇᖅᑎᐅᔪᓐᓇᖅᑐᒥᒃ, ᐊᒻᒪᓗ ᖃᐅᔨᓴᖅᑕᐅᒫᖓᒥᒃ ᖃᓂᒋᔭᖕᒋᓐᓂ ᓄᓇᓕᖕᓄᑦ, ᐃᓚᐅᕐᑯᔭᐅᖃᑦᑕᓚᐅᕐᒥᔪᑦ ᓄᓇᓕᖕᓂ ᐊᖑᓇᓱᒃᑏᑦ. ᑕᒪᐃᓐᓂᒃ, ᐃᓚᐃᑦ ᑎᒥᕐᑯᖕᒋᑦ ᐃᓚᐅᖃᑦᑕᓚᐅᖅᑐᑦ ᖃᐅᔨᓴᖅᑕᐅᓂᖕᒋᓐᓂᒃ ᐸᕐᓇᐃᓂᕐᒧᓪᓗ ᐊᒻᒪᓗ ᐋᕿᐅᒪᔭᐅᓚᖓᓂᖕᒋᓐᓄᑦ ᐊᑐᖅᑕᐅᓂᐊᖅᑐᑦ.



*ᐊᕕᒃᑐᖅᓯᒪᔪᓂᒃ 2. a.) ᓄᓇᖑᐊᖅ ᐃᒪᐃᓪᓗ ᐸᕐᓇᒃᑕᐅᓯᒪᔪᑦ ᖃᐅᔨᓴᕕᒃᓴᐅᓂᖏᓐᓂᒃ (ᑐᖑᔪᖅᑐᓖᑦ ᐊᕙᓗᖏᑦ), ᐊᕕᒃᑐᖅᓯᒪᔪᑦ ᓇᐅᒃᑯᕐᕕᒃᓴᖏᑦ (ᐊᐅᐸᓗᒃᑐᑦ), ᐊᒻᒪᓗ ᑲᖏᖅᓱᓂᖏᓐᓂᒃ ᖃᐅᔨᒪᔾᔪᑕᐅᓂᖏᑦ (ᐊᐅᐸᒃᓗᑐᓂᒃ ᑕᖅᓴᖃᖅᑐᑦ). **AI**: ᓴᓐᓂᕈᑎᐅᑉ ᑐᓄᓂᕈᓯᐅᓪᓗ ᐃᒪᓂᖓᓂ **BF:** ᑲᐊᐅᒪᓐ ᑲᖏᖅᓱᐊᓂ. **BS:** ᑐᕕᒐᔪᖕᒥ **CS:** ᐸᓂᖅᑑᑉ ᐃᑭᖓᓂ. **EB**: ᑲᓇᖕᓇᖓᓂ ᕿᑭᖅᑕᓘᑉ. **ES:** ᑕᓯᐅᔭᖅ ᐃᓐᓈᓗᒃ ᑲᖏᖅᓱᐊᔪᖓᓂ. **FBN:** ᓴᓂᕋᔭᖕᒥᐅᑦ ᓱᑯᓱᓚᕐᒥᐅᓪᓗ ᑕᓇᐅᖓᓂ. **FBS:** ᓴᓂᕋᔭᖕᒥᐅᑦ ᓱᑯᓱᓚᕐᒥᐅᓪᓗ ᑕᓇᐅᖓᑕ ᓂᒋᖅᐸᓯᐊᓂ. **GB:** ᕿᑎᖅᒥᐅᓂ ᐃᑭᕋᓴᐅᑉ ᐃᒪᖓ/ᐃᑐᐊᖅᑐᕐᕕᖕᒥ. **JS:** ᐊᐅᓱᐃᑑᑉ ᕿᑭᖅᑕᖓᑕ ᓂᒋᐊᓂ ᐃᒪᖓᓂ. **LS:** ᑕᓪᓗᕈᑎᐅᑉ ᐃᑭᕋᓴᖓ. **NB:** ᐊᐅᓱᐃᑑᑉ ᐃᑎᕕᐊᑕ ᑕᓇᐅᖓ; **PRI:** ᑰᓚᓇᑉ ᕿᑭᖅᑕᖓᑕ ᑲᖏᖅᑐᖓᓂ. **PS:** ᐱᐅᓪ–ᖑᓂᕋᖅᑕᐅᔫᑉ ᖃᓗᓈᑎᑐᑦ ᑕᓇᐅᖓᓂ– Peel Sound–ᒥ. **SS**: ᐊᑯᒃᑐᕐᒥᐅᑦ ᕿᑭᖅᑖᓗᖕᒥᐅᓪᓗ ᐊᑯᓐᓂᖓᓂ ᑕᓯᐅᔭᕐᔪᐊᖅ. ᓄᓇᓖᑦ (ᕿᕐᓂᖅᑐᕐ): 1. ᐅᖅᓱᖅᑑᖅ; 2. ᑕᓗᕐᔪᐊᕐ; 3. ᑰᓚᕐᔪᒃ; 4. ᓇᐅᔭᕐ; 5. ᓴᓂᕋᔭᒃ; 6. ᐃᓚᓗᓕᒃ; 7. ᐃᖃᓗᐃᕐ; 8. ᐸᓐᓂᖅᑑᖅ; 9. ᕿᑭᖅᑕᕐᔪᐊᖅ; 10. ᑲᖏᖅᑐᒫᐱᒃ; 11. ᒥᕐᑎᒪᑕᓕᒃ; 12. ᐃᒃᐱᐊᕐᔪᒃ; 13. ᖃᐅᓱᐃᑐᖅ; 14. ᐊᐅᓱᐃᑐᖅ; 15. ᖃᓈᖅ (ᐊᑯᑦᑐᐃᓪᓗᖃᓕᓪᓗ ᓄᓇᖓᑦ). b.) ᐃᖏᒍᕐᒥᔪᖅ : ᑕᓯᐅᔭᖅ ᐃᓐᓈᓗᒃ ᑲᖏᖅᓱᐊᕐᔪᐊᖓᓂ ᖃᐅᔨᓴᖅᑕᐅᓯᒪᓂᖏᑦ (ᐊᕙᓗᔭᐅᓯᒪᔪᖅ).*

ᑕᐅᑐᕋᓈᖃᑕᐅᖃᑦᑕᓚᐅᖅᑐᑦ ᓂᐱᓕᐅᕆᖃᑦᑕᓚᐅᖅᑐᑦ ᑕᑯᔭᒥᓂᒃ ᑎᒍᒥᐊᖅᑕᖏᓐᓄᑦ ᓂᐱᓕᐅᕈᑎᓄᑦ ᐅᖃᖃᑦᑕᖅᓱᑎᒃ ᖃᔅᓯᒧᐊᖅᑎᑦᓗᒋᑦ ᑲᑎᖓᐅᖅᑐᑦ ᑐᒐᓕᑦ ᓯᕗᑦᓕᖅᐸᒥᒃ ᑕᑯᔭᐅᓚᐅᕐᒪᖔᒐᑕ ᐊᒻᒪᓗ ᖃᔅᓯᒧᐊᖅᑎᑦᓗᒍ ᖃᐅᔨᓴᐅᑦ ᑕᐃᒃᑯᐊ ᐊᑕᐅᓯᐅᖏᑦᑐᑦ ᐊᕙᓗᐊᓃᓕᖅᑎᑦᓗᒋ5 ᖃᖓᑕᓱᕐᒥᓐᓂᖏᓐᓂ ᑕᑯᔭᐅᖃᑕᓚᐅᕐᒪᖔᒐᑕ. ᐊᓯᑲᓐᓂᖏᓐᓂᒃ ᖃᐅᔨᔭᐅᖃᑦᑕᓚᐅᖅᑐᓂᒃ ᓂᐱᓕᐅᕆᖃᑦᑕᓚᐅᕐᒥᔪᑦ ᒪᑯᓂᖓ ᓯᕗᑦᓕᐅᑎᑦᑎᖃᑦᑕᖅᓱᑎᒃ:

1) ᐊᒥᓲᓂᖏᑦ ᑐᒫᓖᑦ ᕿᓚᓗᒐᐃᑦ ᑲᑎᖓᐅᖅᑐᑦ (ᐊᑕᐅᓯᕐᒦᑦᑐᑦ, ᑐᑭᖃᖅᑕᐅᓪᓗᑎᒃ ᒪᕿᓗᑎᒃ ᐅᖓᑕᓖᓪᓗᑎᒡᓗᓐᓖᑦ ᑎᒥᖓᑕ ᑕᑭᔫᑎᒋᓂᖓᓂᒃ ᖃᓂᒌᖕᓂᖃᖅᑐᓂᒃ ᐃᖏᓄᑦ ᑕᐃᒃᑯᖓᓴᐃᓐᓇᕐᓗ ᐃᖏᕐᕋᖃᑕᐅᓪᓗᑎᒃ,

2) ᓴᓂᒧᑦᓗ ᑐᑭᒧᑦᓗ ᓴᓐᓂᖓᔫᖕᓂᒃ ᐅᖓᓯᖕᓂᖅᑲᖅᑎᒋᓂᖏᑦ ᑕᑯᔭᐅᕕᖏᓐᓂ; ᐊᒻᒪᓗ

3) ᐊᓯᖏᓐᓂᒃ ᐊᔾᔨᒌᖏᓐᓂᖏᓐᓂᒃ (ᓇᒧᑦ ᐃᖏᕋᓂᖏᓐᓂᒃ, ᐱᑕᖃᕐᓂᖏᑦ ᐱᐊᕋᖏᑦ, ᑐᒐᖃᕐᓂᖏᑦᓗ).

ᐃᓂᒋᔭᖏᑦ ᐊᒻᒪᓗ ᖁᓚᐅᑦᑎᓯᒪᑎᒋᓂᖓ ᖃᖓᑕᓲᖅ ᓂᐱᓕᐅᖅᑕᐅᕙᓪᓕᐊᖏᓐᓇᓚᐅᖅᑐᖅ ᒪᕿᑕᒫᒃ ᓯᑲᓐᓯᐅᓂᕌᖅᑕᐅᔫᖕᓂᒃ ᐊᓂᒍᖅᑐᓂᒃ ᖃᐅᔨᓴᐅᑎᒃᑯᑦ.

ᖃᐅᔨᓴᖅᑕᐅᓚᐅᖅᑐᓂᒃ ᑐᑭᓯᔭᐅᓚᐅᖅᑐᑦ

ᐅᖓᓯᒋᖕᓂᖏᑦ ᐆᒃᑐᕋᐅᑕᐅᓚᐅᖅᑐᑦ ᓇᓚᐅᑖᖅᑕᐅᓂᖏᓐᓄᑦ ᐊᒥᓱᑎᒋᓂᖏᑦ ᑐᒐᓛᑦ ᐃᓗᐊᓂ ᖃᐅᔨᓴᕐᕕᐅᓂᕐᒥ. ᑕᐃᒃᑯᐊ ᐊᑐᖅᑕᐅᓚᐅᖅᑐᑦ ᐃᓱᒪᓇᕐᒪᑕ ᐱᑕᖃᕐᓂᐊᖅᑐᔾᔭᕐᓂᖏᓐᓂᒃ ᖃᐅᔨᕕᐅᔪᓐᓇᕐᓂᖅ ᐱᑕᖃᕐᓂᖏᓐᓂᒃ ᑐᒐᓕᖕᓂᒃ ᐅᖓᓯᒋᖕᓂᖃᖅᑎᑕᐅᔪᑦ ᐊᑯᓐᓂᖏᓐᓂ. ᑭᓯᐊᓂᑕᐅᖅ, ᑕᐅᑐᖃᑦᑕᓚᐅᖅᑐᑦ ᑐᖓᐅᑦᑎᔪᓐᓇᕐᒥᖕᒪᑕ ᑐᒐᓕᖕᓂᒃ ᐱᑕᖃᖅᑐᓂᒃ ᐳᐃᔪᓂᒃ. ᑕᐃᒪᐃᓐᓄᖓᓄᑦ, ᑕᐅᑐᒃᑕᐅᔪᓐᓇᕐᓂᖏᓐᓂᒃ ᐊᖑᔭᐅᖏᑦᑐᑦ ᓇᓚᐅᑦᑖᖅᑕᐅᓯᒪᔭᕆᐊᖃᕐᒪᑕ (Marsh and Sinclair 1989). ᓇᓗᓇᐃᒃᑯᑦᑎᖅᑕᐅᓂᖏᑦ ᐱᔭᐅᒃᑲᓐᓂᖃᑦᑕᖅᓱᑎᒃ ᐊᑐᖅᑕᐅᓚᐅᕐᒥᔪᑦ ᐊᔾᔨᒌᒃᑐᓂᒃ ᑕᑯᔭᐅᔪᖃᕐᖓᑦ ᒪᕿᖕᓄᑦ ᑕᐅᑐᕋᓐᓈᖅᑎᑕᐅᖃᑕᐅᔪᖕᓄᑦ ᑕᐃᑲᓂᑦᓴᐃᓐᓇᖅ ᑭᖑᓕᓈᒃᑐᓃᓐᓂᖏᓐᓂᒃ ᖃᖓᑕᓲᑉ ᐃᓗᐊᓂ, ᓇᓚᐅᑖᖅᑕᐅᔪᒪᓪᓗᑎᒃ ᖃᓄᖅ ᑕᑯᔭᐅᑲᓐᓂᕈᓐᓇᓲᖑᖓᒪᖔᑕ ᑕᐃᒃᑯᐊᓴᐃᓐᓇᐃᑦ (Laake and Borchers 2004). ᐃᓕᑕᓇᔭᐅᓂᖏᑦ ᑕᐃᒃᑯᓂᖓᑦᓴᐃᓐᓇᖅ ᑕᑯᒃᑲᓐᓂᖃᑦᑕᕐᓂᖏᑦ ᓇᓗᓇᖃᑦᑕᕐᒪᑕ ᐊᒻᒪᓗ ᐊᑐᖅᑕᐅᒐᔪᖏᑦᑐᓂᒃ ᖃᐅᔨᒪᔪᑎᒃᓴᖃᖅᑎᑦᑎᓕᓚᐅᖅᑐᑦ ᐊᑕᐅᓲᖅᑕᐅᔪᓂᒃ ᐊᒻᒪ ᐅᖓᑕᓃᒃ ᑕᑯᔭᐅᖃᑦᑕᓚᐅᕐᓂᖏᓐᓂᒃ ᑕᐃᔅᓱᒪᓂ 2013–ᒥ ᖃᐅᔨᓴᖅᑕᐅᓚᐅᖅᑐᓂ (Pike and Doniol-Valcroze 2015). ᓯᕗᓂᐊᒍᑦ ᖃᐅᔨᓴᖅᑕᐅᖃᑦᑕᓚᐅᖅᑐᑦ ᐊᑐᖃᑦᑕᓚᐅᖅᓱᑎᒃ ᖃᓄᐃᑦᑐᑐᐃᓐᓇᕐᓂᒃ ᐊᑐᕈᒪᔭᖏᓐᓂᒃ ᐊᒻᒪᓗ ᐃᓱᒪᖅᓲᑕᐅᓗᑎᒃ ᑭᒡᓕᖃᖅᑎᑕᐅᓂᖏᑦ ᑕᐃᒃᑯᓂᖓ ᐱᓕᕆᔪᓂᒃ, ᑕᐃᒃᑯᐊ ᖃᐅᔨᓴᕈᓲᑦ ᐊᑐᖅᑕᐅᓚᐅᖅᑐᑦ ᑖᒃᑯᓇᓂ ᑐᑭᓯᓂᐊᖅᑕᐅᔪᓂ ᑐᖓᕕᖃᓚᐅᖅᑐᑦ ᓯᑕᒪᓂᒃ ᖃᐅᔨᓴᕈᓂᑎᒃ ᐊᔾᔨᒌᖏᓐᓂᖏᓐᓂᒃ ᖃᐅᔨᒪᔪᑎᓂᒃ.

ᖃᐅᔨᔭᐅᔾᔪᑎᖃᓚᐅᖅᑐᑦ ᖃᕆᑕᐅᔭᒃᑯᑦ ᐊᑐᖅᑕᐅᓪᓗᑎᒃ ᓴᓂᖓᔪᓕᖕᓂᒃ ᐅᖓᓯᒌᖕᓂᖃᖅᑎᑕᐅᕙᓚᐅᖅᑐᑦ ᑕᒪᐃᓐᓂᒃ ᑕᑯᔭᐅᖃᑦᑕᓚᐅᖅᑐᓂᒃ (ᐊᔾᔨᒌᒃᑐᐃᓐᓇᐅᓂᖏᑦ ᐆᔭᖅᑕᐅᖃᑦᑕᖅᓱᑎᒃ ᑕᑯᔭᐅᓂᖏᑦ ᑕᐃᒃᑯᐊᓴᐃᓐᓇᐃᑦ) ᑕᒪᐃᓐᓂᑦᑎᐊᖅ ᖃᐅᔨᒪᔪᑎᓕᐊᖑᕙᓚᐅᖅᑐᓂ. ᑕᐃᒃᑯᐊ ᖃᕆᑕᐅᔭᒃᑯᑦ ᖃᐅᔨᒪᔪᑕᐅᕙᒃᑐᑦ ᑕᐃᔭᐅᔪᑦ ᐊᑲᐃᑭᒥᒃ ᐊᑐᖅᑕᐅᓚᐅᖅᑐᑦ ᓂᕈᐊᖅᑕᐅᓂᖏᓐᓄᑦ ᐱᐅᓂᖅᐹᖑᓇᔭᖅᑐᑦ ᑕᒪᒃᑯᓂᖓ ᖃᐅᔨᓴᕐᓂᕐᒧᑦ ᖃᐅᔨᓴᕈᑕᐅᓂᐊᖅᑐᑦ (Buckland et al. 2001) ᐊᒻᒪᓗ ᐃᓚᒋᔭᐅᓂᖏᑦ ᑕᒪᒃᑯᐊ ᐊᔾᔨᒌᖏᑦᑑᑎᐅᔪᓂᒃ ᐊᕙᑎᖃᕐᓂᖏᓐᓂᒃ (Marques et al. 2007) ᐱᔾᔪᑕᐅᓂᖏᓐᓂᒃ ᓯᑯᖃᖅᑎᒋᓂᖏᑦ, ᓄᕕᔭᑎᒋᕙᖕᓂᖏᑦ, ᑕᓇᐅᕐᒥ ᑕᕐᕋᖃᖅᑎᒋᓂᖏᑦ ᐊᒻᒪᓗ ᓯᕐᑯᓂᖅ ᖃᐅᔨᒪᓂᖃᕐᓂᖓᓂᒃ ᑕᓇᐅᑯᑦ.

ᑕᐃᒃᑯᓂᖓᓕ ᑲᖏᖅᓱᓂᖏᓐᓂᒃ ᖃᐅᔨᒪᔪᑎᒃᓴᓂᒃ, ᐊᒥᓱᓂᖏᓐᓂᒃ ᐊᒻᒪᓗ ᐱᑕᖃᖅᑎᒋᓂᖏᑦ ᓇᓚᐅᑖᖅᑕᐅᖃᑦᑕᓚᐅᖅᑐᑦ ᐊᑐᖃᑦᑕᖅᓱᑎᒃ ᐅᖓᓯᒌᖕᓂᖃᖅᑎᑕᐅᔪᓂᒃ ᓇᓗᓇᐃᒃᑯᑕᓇᔭᐅᔪᓂᒃ (Doniol-Valcroze et al. 2015a). ᐊᒥᓱᓂᖏᑦ ᑐᒐᓕᑦ ᑕᑯᔭᐅᔪᓐᓇᕐᓂᖏᑦ ᐊᕕᒃᑐᖅᓯᒪᓂᖏᓐᓂᒃ ᐊᑐᓂ ᑲᖏᖅᑑᓂᖏᓐᓂᒃ ᒪᓕᓚᐅᖅᑐᑦ ᐊᑐᖅᓱᑎᒃ ᑕᐃᔭᐅᔪᓂᒃ ᑕᒪᒃᑭᖅᑐᓂᒃ ᐃᓚᖃᒃᑲᓐᓂᖅᑐᓂᒃ ᐃᔾᔪᐊᖅᓯᔾᔪᑎᖃᖅᑐᓂᒃ. ᐊᔾᔨᒌᖏᓐᓂᖃᖅᐸᓚᐅᕐᒪᑕ ᓱᕐᓗ ᒪᑯᓂᖓ ᐃᔾᔪᐊᖅᑕᐅᓯᒪᖃᓯᐅᔭᐅᕙᓚᐅᖅᑐᓂᒃ ᐅᖓᓯᖕᓂᖏᓐᓂᒃ ᓯᒡᔭᒥᒃ ᐊᒻᒪᓗ ᐅᖓᓯᖕᓂᒃ ᐹᖓᓂᒃ ᑲᖏᖅᓱᒃ. ᐱᐅᓂᐹᖑᓂᖏᑦ ᐃᔾᔪᐊᖅᑕᐅᓯᒪᔪᓐᓇᕐᓂᖏᑦ ᑲᖏᖅᓱᖏᓐᓂᒃ ᓂᕈᐊᖅᑕᐅᓚᐅᖅᑐᑦ ᐱᔾᔪᑕᐅᓪᓗᑎᒃ ᐱᓂᖅᐹᓂᒃ ᑕᐃᒪᐃᓐᓂᐊᖅᑐᔾᔭᕐᓂᖏᓐᓂᒃ ᐊᑐᖅᑕᐅᓪᓪᓗᑎᒡᓗ ᓇᓚᐅᑖᕈᑕᐅᔪᓐᓇᕐᓂᖅ ᓇᓚᐅᑦᑖᑦᑎᐊᕐᓂᖅᓴᐅᔪᓐᓇᕐᓂᕐᒧᑦ ᐱᑕᖃᕈᓐᓇᕐᓂᖏᓐᓂᒃ ᑐᒐᓕᑦ ᑕᒪᐃᓐᓂᑦᑎᐊᖅ ᐃᓗᓐᓇᖓᓂᒃ ᑲᖏᖅᓱᒃ. ᐱᑕᖃᖅᑎᒋᓂᖏᑦ ᓈᓴᖅᑕᐅᖃᑦᑕᓚᐅᖅᑐᑦ ᐊᑐᖅᑕᐅᓪᓗᑎᒃ ᐊᕕᒃᑐᖅᑕᐅᖃᑦᑕᕐᓂᖏᑦ ᐱᑕᖃᕐᓂᖏᑦ ᑕᒪᐃᓐᓂᒃ ᑲᖏᖅᓱᓕᒫᑦ ᐊᖏᓂᓕᒫᖓᓂ. ᑕᒪᕐᒥᒃ ᑲᑎᑦᓗᒋᑦ ᐱᑕᖃᕐᓂᖏᑦ ᑕᒪᐃᓐᓂᒃ ᑲᖏᖅᓱᓂᖏᓐᓂᒃ ᖃᕆᑕᐅᔭᒃᑯᑦ ᓈᓴᖅᑕᐅᖃᑦᑕᓚᐅᖅᑐᑦ ᐊᑐᖅᓱᑎᒃ ᐱᑕᖃᔪᖕᓂᖏᓐᓂᒃ ᑕᒪᐃᓐᓂᑦᑎᐊᖅ ᖃᖏᖅᓱᓂᒃ ᐊᑐᓂ ᐊᕕᒃᑐᖅᓯᒪᓂᖏᓐᓂ, ᐊᒥᓱᐃᖅᑕᖅᑕᐅᓯᒪᑎᒋᓪᓗᑎᒃ ᑕᒪᐃᓐᓂᒃ ᑲᑎᑕᐅᓪᓗᑎᒃ ᐊᓂᖏᑦ ᑲᖏᖅᓱᓕᒫᑦ, ᖃᐅᔨᒪᔭᐅᓕᖅᑐᓂ.

ᑐᒐᓕᑦ ᐳᐃᓯᒪᕝᕕᖕᒥᖃᑦᑕᓚᐅᖏᑦᑐᑦ ᐃᒪᐅᑉ ᖄᖓᓂ ᖃᐅᔨᓴᖅᑕᐅᓕᖅᑎᓪᓗᒋᑦ ᑕᑯᔭᐅᔪᓐᓇᖃᑦᑕᓚᐅᖅᑐᑦ ᑕᐅᑐᕋᓐᓈᖅᑎᐅᔪᓄᑦ, ᐱᑕᖃᕐᓂᖏᓐᓂᒃ ᑕᐃᒪᐃᓐᓂᐊᖅᑐᔾᔭᓇᔭᐅᑐᐃᓐᓇᓚᐅᖅᑐᑦ (Marsh and Sinclair 1989). ᑕᒪᐃᖃᑦᑕᕐᓂᖏᓐᓂᒃ ᐊᒥᓱᒐᓴᐃᑦ ᑐᒐᓕᑦ ᓈᓴᖅᑕᐅᓯᒪᓚᐅᖅᑐᑦ ᖃᐅᔨᕕᐅᔪᖅᑐᖅᑐᑦ ᐊᕐᕿᒋᐊᖅᑕᐅᔭᓇᔭᐅᖅᑐᑦ ᐱᑕᖃᕐᓂᖏᑦ ᑕᒪᐃᓐᓂᒃ ᑲᖏᖅᓱᓂᖏᓐᓂᒃ ᖃᓇᑕᐅᔭᒃᑯᑦ ᖃᐅᔨᓴᖅᑕᐅᓂᒃ ᐊᕐᕿᒋᐊᖅᑕᐅᔭᓇᔭᐅᖅᑐᑦ ᐊᑐᖅᑕᐅᓂᖏᓐᓂᒃ ᐊᕐᕿᒋᐊᖅᑕᐅᔭᓇᔭᐅᖅᑐᑦ ᐱᑕᖃᕐᓂᖏᑦ ᑕᒪᐃᓐᓂᒃ ᑲᖏᖅᓱᓂᒃ ᐊᑐᓂ ᐊᕕᒃᑐᖅᓯᒪᓂᖏᓐᓂ, ᐊᒥᓱᐃᖅᑕᖅᑕᐅᓯᒪᑎᒋᓪᓗᑎᒃ ᑕᒪᐃᓐᓂᒃ ᑲᑎᑕᐅᓪᓗᑎᒃ ᐊᓂᖏᑦ ᑲᖏᖅᓱᓕᒫᑦ, ᖃᐅᔨᒪᔭᐅᓕᖅᑐᓂ.

ᑕᑯᒃᓴᐅᑦᑎᐊᕐᓇᖕᒋᑦᑎᓪᓗᒍ ᐃᓱᒪᒋᔭᐅᑐᐃᓐᓇᖃᑦᑕᓚᐅᖅᑐᑦ ᑐᒐᓛᑦ ᑕᑯᒃᓴᐅᔪᓐᓇᕋᔭᕐᓂᖕᒋᑦ ᐊᑕᐅᓲᕐᓂᒃᒥ 1 ᒦᑕᒥᒃ ᖃᖓᓂᒃ ᐅᖓᓯᖕᓂᓛᑦ. ᑐᖓᕕᐅᓪᓗᑎᒃ ᖃᐅᔨᔭᐅᓚᐅᖅᑐᑦ 24-ᖑᓚᐅᖅᑐᓂᒃ ᑐᒐᓕᖕᓂ ᐃᓕᓯᕝᕕᐅᓯᒪᓚᐅᖅᑐᓂᒃ ᖁᒻᒧᐊᒃᑎᑕᐅᓯᒪᔪᑎᒍᑦ ᐃᓕᑕᕆᔭᐅᔾᔪᓂᒃ ᖃᓂᒋᔭᖕᒋᓐᓂ ᓄᓇᓖᑦ ᐃᒃᐱᐊᖁᔪᖕᒥᓗ ᒥᑦᑎᒪᑕᓕᖕᒥ ᐋᒐᓯᑕᒪᖅ ᐋᒐᓯᒥᒃ 2009–ᒥᒃ 2013–ᒧᑦ, ᑕᐃᒃᑯᐊ ᑐᒐᓛᑦ ᐊᑯᓂᐅᓂᖃᖅᑎᒋᔪᓂᒃ ᐃᒪᓐᓇᑎᒋ 31.4 ± 1.1% ᐳᓴᓐᑎᓂᒃ ᑕᒫᓂᕋᔭᒃᐸᓚᐅᖅᑐᑦ ᐳᐃᓯᒪᕝᕕᖕᒐᓂᒃ ᖃᓂᓐᓂᖃᖅᑎᒋᔪᒥᒃ ᒪᕐᕉᖕᓂᒃ 2 ᒥᑖᓂᒃ ᖃᖓᓂᒃ ᐃᒪᐅᑉ, ᐊᒻᒪᓗ ᐃᒪᓐᓇᑎᒋ 20.4 ± 0.8% ᐊᑕᓲᓐᓇᕐᒥᒃ 1 ᒦᑕᒥᒃ ᐅᖓᓯᖕᓂᓕᖕᒥᒃ ᐳᐃᓯᒪᕝᕕᐅᑉ ᐃᒪᐅᑉ ᖃᖓᓂ. (Watt et al. 2015).

ᐃᓚᖓᐃᕝᕕᐅᓯᒪᔪᓐᓇᕐᓂᖕᒋᓐᓂᒃ ᐃᓱᒪᒋᔭᐅᓗᑎᒃ 7(PBR–ᖑᓂᕋᑕᖅᐅᔪᓂᒃ) ᐱᐅᓯᕆᔭᐅᓪᓗᑎᒃ (Wade 1998), ᐋᕐᒋᐊᖅᑕᐅᖃᑦᑕᓚᐅᕐᒥᔪᑦ ᑕᐃᒃᑯᓂᖓ ᐃᓚᖃᖅᓱᑎᒃ ᐊᖑᓇᓱᒃᑕᐅᓯᒪᔫᖓᓗᐊᓂᒃ ᔭᒐᐃᔭᐅᓯᒪᔪᓂᒃ (ᓲᕐᓗ ᐆᒪᔪᐃᑦ ᐱᑕᖅᑕᐅᓯᒪᒐᓗᐊᖅᓱᑎᒃ ᔭᒐᐃᔭᐅᔪᑦ), ᐊᑐᖅᑕᐅᖃᑦᑕᓚᐅᖅᑐᑦ ᓈᓴᖅᑕᐅᓂᖕᒋᓐᓄᑦ ᐊᑐᓕᖁᔭᓕᐊᑦ ᑲᑎᓪᓗᒋᑦ ᑕᒪᕐᒥᒃ ᓄᓈᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᐱᑕᖅᑕᐅᓗᑎᒃ:

$$\text{ᑲᑎᓗᒋᑦ ᐱᑕᖅᑕᐅᔪᓐᓇᕐᓂᖕᒋᑦ } TALC = \frac{\text{ᐃᓚᖓᐃᕝᕕᐅᓯᒪᖕᓂᖕᒋᑦ } PBR}{\text{ᐊᖑᓇᓱᒃᑕᐅᓯᒪᔪᑦᔭᒐᐃᔭᐅᓯᒪᓂᖕᒋᑦ } LRC}$$

ᖃᖓᑐᐃᓐᓇ ᐃᒪᐃᓕᖓᓂᖕᒋᓐᓂ,

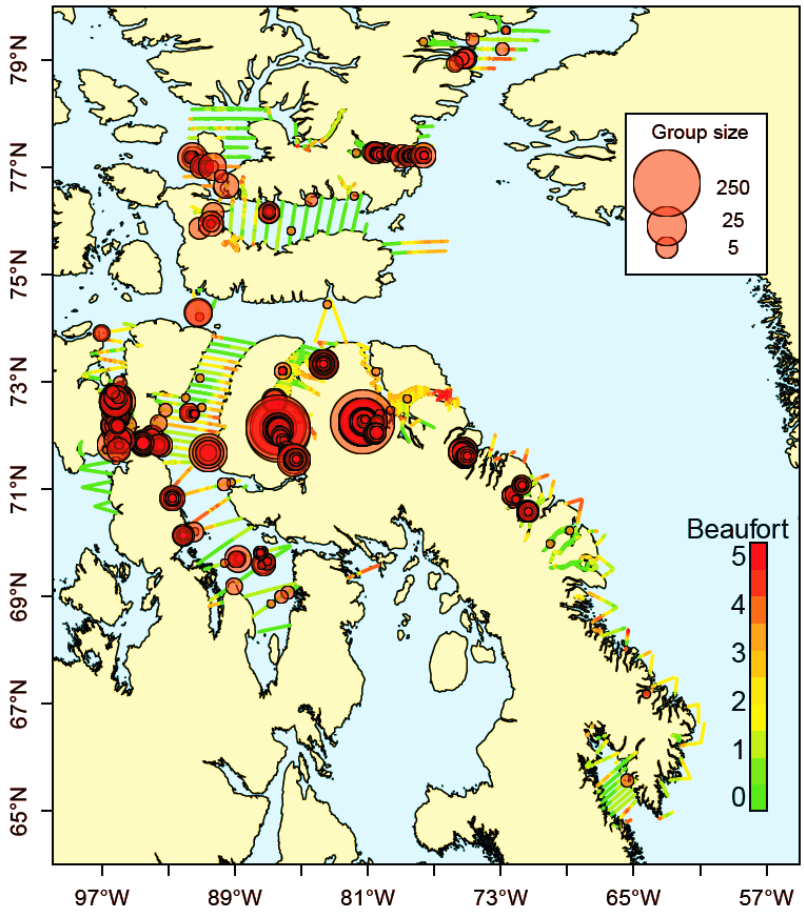
$$PBR \text{ ᐃᓚᖓᐃᕝᕕᐅᓯᒪᓂᖕᒋᑦ} = 0.5 \times R_{\text{ᐊᒥᓲᓂᖅᐸᓂᒃ}} \times N_{\text{ᐊᒥᓲᖕᒋᓐᓂᖅᐸᓂᒃ}} \times F_r$$

ᐊᖑᓇᓱᒃᑕᐅᓯᒪᔪᓂᒃ ᔭᒐᐃᔭᐅᓂᖕᒋᑦ ᐋᕐᒋᐊᖅᑕᐅᓯᒪᓂᑦ (LRC-ᖕᒋᑦ) ᓇᓕᒧᑏᓚᐅᖅᑕᖕᒋᑦ ᐃᒪᓐᓇᑎᒋ 1.28 (ᐊᑐᖅᑕᐅᖕᒋᓐᓇᖅᐸᒃᑐᒥᒃ ᑕᒻᒪᖅᓯᒪᑎᒋᔪᓐᓇᖅᓱᑎᒃᒃ, SE=0.15, Richard 2008). $R_{\text{ᐊᒥᓲᓂᖅᐸᖑᓂᖕᒋᑦ}}$ ᐊᖕᒋᓂᖅᐹᖑᓂᖕᒋᑦ ᐊᒥᓱᕈᓇᐊᖅᑕᐅᔪᓐᓇᕐᓂᖕᒋᑦ ᐆᒪᔪᐃᑦ ᐋᕐᑭᒃᑕᐅᓯᒪᓚᐅᖅᑐᑦ ᐃᒫᓐᓇᑎᒋ 0.04 (ᐊᑐᖅᑕᐅᖕᒋᓐᓇᖅᑐᓂᒃ ᑕᓇᐅᕐᒥᐅᑕᓄᑦ ᓈᓴᐅᑎᖃᖅᑎᑕᐅᑕᐅᓲᑦ ᖃᐅᔨᒪᔭᐅᖕᒋᑦᑎᓪᓗᒋᑦ, Wade 1998). $N_{\text{ᒥᑭᓂᖅᐹᖑᑎᑕᐅᓂᖕᒐ}}$ ᐋᕐᑭᐅᒪᔭᐅᔪᖅ 20–ᒋᔭᐅᔪᒥᒃ ᐳᓴᓐᑎᖃᕐᓂᖕᒐᓂᒃ ᒪᓕᒃᑐᓂᒃ ᖃᓄᐃᖕᒋᑎᓪᓗᒋᑦ ᓇᓃᒐᔪᖕᓂᖕᒋᓐᓂᒃ ᓇᓗᓇᐃᒃᑯᑕᓖᑦ N–ᖓᓃᑦᑐᓂᒃ. ᐊᒥᓱᕈᖅᐸ7ᓕᐊᑎᒋᓂᖕᒋᓐᓄᑦ ᑐᒐᓛᑦ ᓇᓗᓇᐃᒃᑯᑕᖃᖅᑐᑦ (F_r)–ᒥᒃ ᐋᕐᑭᐅᒪᔭᐅᓚᐅᖅᑐᖅ ᐃᒪᓐᓇᑎᒋ 0.5 ᑕᐅᕙᓂ ᐊᐅᓯᐃᑦᑑᑉ ᕿᑭᖅᑕᖓᑕ ᓂᒋᐊᓂ ᐃᒪᖕᒋᓃᑦᑐᓂᒃ ᐊᒻᒪᓗ ᐊᑯᑭᒃᑐᕐᒥᐅᑦ ᕿᑭᖅᑖᓗᖕᒥᐅᓪᓗ ᐊᑯᓐᓂᖓᓂ ᑕᓯᐅᔭᕐᔪᐊᖓᓃᑦᑐᓂᒃ ᑐᒐᓛᑦ (ᓈᓴᖅᑕᐅᖅᑕᐅᓗᑎᒃ ᓇᓗᓇᕐᓂᖕᒋᑦ ᐃᒪᕐᒥ ᖃᓄᐃᓕᖓᓂᖕᒋᑦ ᐊᒻᒪᓗ ᑐᒐᓛᑦ ᓇᒧᑦ ᓅᑉᐸᓪᓕᐊᓂᖕᒋᑦ) ᐊᒻᒪᓗ ᓈᓴᐅᑎᖃᖅᑎᑕᐅᓂᖕᒋᑦ 1.0–ᒥᒃ ᐊᓯᖕᒋᓐᓂᒃ ᑐᒐᓕᒃᑕᖃᕐᓂᖕᒋᓐᓂ ᐃᒪᕐᓂ (ᐊᑐᖅᑕᐅᒐᔪᖕᓂᖓᓄᑦ ᑕᒪᓐᓇ ᓇᓴᐅᑦ ᐊᑐᖅᑕᐅᕙᒃᑲᒥ ᐃᓱᒪᒋᔭᐅᔪᓄᑦ ᐱᑕᖃᕐᓂᖅᓴᐅᔪᓂ ᐃᒪᕐᓂᒃ).

ᑐᑭᓯᔭᐅᓯᒪᓕᖅᑐᑦ

ᑐᕙᐃᖓᓕᖃᑦᑕᕐᓂᖕᒋᑦ ᐅᑭᐅᖅᑕᖅᑐᒥ ᖃᐅᔨᓴᕐᕕᐅᓂᖕᒋᓐᓂᒃ ᐃᒪᕐᓂ ᐊᐅᔭᒃᑯᑦ 2013–ᒥ ᐱᔾᔪᑕᐅᖃᑦᑕᓚᐅᖅᑐᑦ ᖃᖓ ᐊᒻᒪᓗ ᖃᓄᑎᒋ ᖃᐅᔨᓴᕐᕕᐅᔪᓐᓇᖃᑦᑕᓚᐅᕐᒪᖔᑕ ᑑᒐᓛᑦ. ᑕᐃᒪᐃᒃᑲᓗᐊᖅᑎᓪᓗᒋᑦ, ᑕᒪᕐᒥᒃ ᑐᒐᓛᑦ ᐃᒪᖕᒋᑦ ᖃᐅᔨᓴᖅᑕᐅᔪᐃᓐᓇᐅᓚᐅᖅᑐᑦ, ᐱᖕᒋᑕᑯᐊᕆᓪᓗᒍ ᐊᑯᑭᒃᑐᕐᒥᐅᑦ ᕿᑭᖅᑖᓗᖕᒥᐅᓪᓗ ᐊᑯᓐᓂᖓᓂ ᑕᓯᐅᔭᕐᔪᐊᕐᒥᑦᑐᓂ. ᓄᓇᕐᔪᐊᕐᒥ ᐱᑕᖃᕐᔪᖕᒪᑕ ᐊᒥᓲᑎᒋᓂᖕᒋᑦ ᑲᑎᖓᔪᓂᒃ ᐃᒪᓐᓇᐃᓕᖓᔪᒥᒃ 2.76 (ᐋᕐᑭᒋᐊᖅᑕᐅᓯᒪᓗᑎᒃ CV 3.8%), ᐊᒻᒪᓗ ᑕᐃᒪᓐᓂᒃ ᖃᐅᔨᒪᔭᐅᓂᖕᒋᑦ ᑲᑎᖓᐅᕐᓂᖕᒋᑦ ᐊᔾᔨᒋᖕᒋᓐᓂᖃᖅᑎᒋᕙᓚᐅᖅᑐᑦ ᐊᒥᓲᓂᖕᒋᑦ ᐃᒪᓐᓇᑎᒋ 1 ᐊᑕᐅᓯᕐᒥᒃ 3.08–ᖑᔪᓄᑦ. ᐊᕕᒃᑐᖅᓯᒪᔪᓂ ᑕᑯᑎᑦᑎᔾᔪᑎᓂᒃ 3–ᒦᑦᑐᑦ ᑕᑯᒃᓴᐅᑎᑦᑎᕗᑦ ᓇᓃᖃᑕᓚᐅᕐᓂᖕᒋᓐᓂᒃ ᐊᑐᓂ ᑕᑯᔭᐅᕝᕕᐅᖃᑦᑕᓚᐅᖅᑐᑦ ᑐᒐᓕᒐᓴᖓᓂᒃ. ᓇᓚᐅᑦᑖᖅᑕᐅᓯᒪᔪᑦ ᐱᑕᖃᖅᑎᒋᓂᖕᒋᑦ ᐊᑐᓂ ᐃᒪᕐᓂ ᐱᑕᖃᕐᕕᐅᔪᓂ ᑕᑯᒃᓴᐅᔪᑦ ᑕᑯᑎᑦᑎᔾᔪᑎᓂᒃ ᐃᒥᓈᖅᑎᖅᓯᒪᔪᓂ ᓯᕗᓪᓕᕐᒥ 1–ᒥ. ᑕᒪᕐᒥᒃ ᑲᑎᓪᓗᒋᑦ ᐋᕐᑭᒋᐊᖅᑕᐅᓚᐅᕐᓂᖕᒋᑦ ᓇᓚᐅᑦᑖᖅᑕᐅᓯᒪᔪᑦ ᑲᓇᑕᒥᐅᑕᐃᑦ ᖁᑦᑎᒃᑐᒥ ᑐᒐᓕᒃᑕᖃᕐᓂᖕᒋᑦ ᐋᕐᑭᒃᑕᐅᓚᐅᖅᑐᑦ 141,909–ᓂᒃ ᕿᓚᓗᒐᕐᓂᒃ ᑐᒐᓕᖕᓂᒃ (ᐃᓚᖃᖅᓱᑎᒃ 7,038–ᓂᒃ ᑐᒐᓕᖕᓂᒃ ᓇᓚᐅᑦᑖᖅᑕᐅᓯᒪᔪᓂᒃ ᑲᖕᒋᖅᓱᖕᒋᓐᓂᒃ). ᐊᑐᖅᑕᐅᓂᖕᒋᑦ ᐋᕐᑭᒋᐊᕈᑎᐅᑕᐅᓂᕐᒧᑦ ᐱᔾᔪᑕᐅᔪᑦ ᐋᕐᑭᐅᒪᔭᐅᓚᐅᖅᑐᑦ ᐃᒪᓐᓇᑎᒋ ᓇᓕᒧᓈᖅᑕᐅᓯᒪᔪᒥᒃ 2.94 (ᐋᕐᑭᒋᐊᖅᑕᐅᓯᒪᓪᓗᑎᒃ CV 3.4%). ᑕᒪᓐᓇ ᓈᓴᐅᑎᖓ, ᑐᖓᕕᖃᖅᑐᖅ ᐊᑐᓕᖁᔭᐅᓯᒪᔪᒥᒃ ᒫᓐᓇᑲᐅᑎᒋ ᐋᕐᑭᒋᐊᕈᑎᖃᖅᑎᑕᐅᔪᓂᒃ 3.18–ᒦᑦᑐᓂᒃ, ᑐᕌᖓᔪᑦ ᖃᐅᔨᓴᖅᑕᐅᓯᒪᕝᕕᖕᓂ ᐃᒪᕐᓂᒃ ᑕᑯᒃᓴᐅᓇᑦᑎᐊᖅᑐ ᒪᕐᕐᓗᑯᐃᓐᓇᐅᖕᒋᑦᑐᓂᒃ (Watt et al. 2015) ᐊᒻᒪᓗ ᐊᑐᖅᑕᐅᓚᐅᖅᓱᑎᒃ ᑕᐃᒃᑯᓄᖓ ᑕᑯᔭᐅᒪᔪᓚᐅᕐᓂᖕᒋᓐᓄᑦ ᖃᐅᔨᓴᐅᑦ ᐊᐅᕙᓚᓪᓕᐊᓂᖓ ᓴᒃᓐᓯᒃᑯᑦ ᒪᓕᒃᓱᒍᑦ ᓈᓂᑕᒫᖅ 4.3 ᓴᒃᓐᓯᑦ. ᑕᐃᒃᑯᓇᖓᑦ ᐱᑕᖃᖅᑎᒋᓂᖕᒋᓐᓂᒃ ᓇᓚᐅᑦᑖᖅᑕᐅᔪᓂᒃ, ᑲᑎᓪᓗᒋ7 ᑕᐃᒪᓂ ᑕᒪᕐᒥᒃ ᐱᑕᖅᑕᐅᔪᓐᓇᕐᓂᖕᒋᑦ ᑐᒐᓛᑦ ᓴᓐᓂᕈᑎᐅᑉ ᐃᒪᖓᓂᒃ ᐋᕐᑭᒃᑕᐅᓯᒪᓕᖅᑐᖅ 1,540–ᓄᑦ ᕿᓚᓗᒐᕐᓄᑦ ᑐᒐᓕᖕᓄᑦ. ᑕᐃᒃᑯᐊ ᑕᒪᕐᒥᒃ ᑲᑎᑕᐅᓪᓗᑎᒃ

ᐱᑕᖅᑕᐅᔪᓐᓇᕐᓂᖏᑦ ᐊᐅᔭᑕᒫᑦ ᑐᒐᓕᒃᑕᖅᑲᓕᖅᑎᓪᓗᒋᑦ ᐅᖃᐅᓯᐅᓯᒪᔪᑦ ᑕᑯᑎᑦᑎᔾᔪᑎᒃᓴᓂᒃ ᐃᖏᓃᖅᑎᖅᓯᒪᔪᓂᒃ ᑕᑯᑎᑦᑎᔾᔪᑎᓂᒃ 2-ᒥ.



ᑕᑯᑎᑦᑎᔾᔪᑦ 3. ᐊᔾᔨᐅᖏᑦᑐᒻᒪᕆᑦ ᑕᑯᔭᐅᖃᑦᑕᓚᐅᖅᑐᑦ ᑐᒐᓕᒃᑕᖃᕐᓂᖏᑦ ᑕᐃᑲᓂ 2013–ᒥ ᖁᑦᑎᒃᑐᕐᒥᐅᑕᓂ ᐅᑭᐅᖅᑕᖅᑐᒥ ᐃᒪᕐᒥᐅᑕᖃᕐᓂᖏᓐᓂᒃ ᖃᐅᔨᓴᖅᑕᐅᓯᒪᔪᑦ (ᐊᐅᐸᓗᒃᑐᓂᒃ ᐊᖑᓗᖅᑐᓕᕐ). ᑐᑭᒧᐊᒃᑐᑦ ᑎᑎᕋᖅᑕᐅᓯᒪᔪᑦ ᑕᑯᒃᓴᐅᑎᑦᑎᔪᑦ ᐊᕕᒃᑐᖅᓯᒪᓂᖏᓐᓂᒃ ᑕᖅᓴᖃᖅᓱᑎᒃ ᑕᒫᓂ ᐊᓄᓇᖃᖅᑎᒋᓂᖏᓐᓂᒃ ᖃᐅᔨᒪᔾᔪᑎᖏᑦ ᑎᑎᕋᖅᑕᐅᓯᒪᓪᓗᑎᒃ.

ᐃᖏᒍᖕᒐᔪᓂᒃ 1. ᖃᐅᔨᓴᕐᕕᐅᓚᐅᖅᑐᑦ, ᖃᐅᔨᓴᕐᕕᐅᓚᐅᖅᑐᑦ ᖃᓄᐃᓕᖕᒐᓂᖏᑦ, ᑐᒐᓖᑦ ᑕᑯᔭᐅᖃᑦᑕᓚᐅᕐᓂᖏᑦ (ᐃᒪᐅ ᖄᖕᒐᒍᑦ ᐱᑕᖃᕐᓂᖏᑦ) ᐊᒻᒪᓗ ᐋᕿᒋᐊᖅᑕᐅᓯᒪᓪᓗᑎᒃ ᐊᒥᓲᓂᖏᑦ ᓇᓚᐅᑦᑖᖅᑕᐅᓯᒪᔪᑦ ᐊᐅᔭᒃᑯᑦ ᐱᑕᖃᕐᓂᖏᓐᓂᒃ. ᐋᕿᒋᐊᖅᑕᐅᓯᒪᓂᖏᓐᓄᑦ ᓈᓴᐅᑏᑦ ᐊᑐᖅᑕᐅᓚᐅᑐᑦ 2.94 (ᐋᕿᒋᐊᖅᓯᒪᓕᖅᑎᓪᓗᒋᑦ 3.4% ᐳᓴᓐᑎᖏᓃᑦᑐᑦ), ᐱᖏᑕᑐᐊᕆᓪᓗᒋ9 ᑲᓇᖕᓇᓯᐊᓂ ᕿᑭᖅᑖᔅᐸ ᑕᕆᐅᖕᒐᓂ, ᐊᑐᖅᑕᐅᓚᐅᕐᒪᑕ ᓈᓴᐅᑎᖏᑦ ᐃᒪᓐᓇᑎᒋ 4.53 (CV 3.8% ᐳᓇᓐᑎᖏᓃᓚᐅᖅᑐᑦ).

ᐱᑕᖃᕐᓂᖏᑦ /ᖃᐅᔨᓴᕐᕕᐅᔪᑦ	ᐊᖏᓂᖏᑦ (km ᑭᓚᒦᑕᑎᒍᑦ²)	ᐳᓴᓐᑎᒃᑯᑦ ᖃᐅᔨᓴᖅᑕᐅᔪᑦ	ᖃᖕᒐᓂ ᐃᒪᐅᑉ ᐱᑕᖃᕐᓂᖏᑦ ᐊᒥᓲᓂᖏᑦ	ᐊᒥᓲᓂᖏᑦ (ᐋᕿᒋᐊᖅᑕᐅᓗᑎᒃ)	ᐋᕿᒋᐊᖅᑕᐅᓯᒪᓗᑎᒃ
ᐊᐅᓯᐃᑦᑑᑉ ᕿᑭᖅᑕᖕᒐᑕ ᓂᒋᐊᓂ ᐃᒪᖕᒐ	35,357	13%	4,316	12,694	0.33
ᐊᑯᑭᒃᑐᕐᒥᐅᑦ ᕿᑭᖅᑖᓗᖕᒥᐅᓪᓗ ᐊᑯᓐᓂᖕᒐᓂ ᑕᓯᐅᔭᕐᔪᐊᖅ	40,669	4%	5,563	16,360	0.65
ᑰᒐᓇᔫᑉ ᑲᓇᖕᓇᖕᒐᓂ	115,309	9%	16,921	49,768	0.20
ᓴᓐᓂᕈᑎᐅᑉ ᑐᓄᓂᕈᓯᐅᓪᓗ ᐃᒪᖕᒐ	9,419	26%	11,915	35,043	0.42
ᑕᓯᐅᔭᖅ ᐃᓐᓈᓗᒃ ᑲᖏᖅᓱᐊᕐᔪᖕᒥ	8,459	26%	3,566	10,489	0.24
ᑲᓇᖕᓇᖕᒐᓂ ᕿᑭᖅᑖᔅᐸ ᑕᕆᐅᖕᒐᓂ	53,510	8%	3,799	17,555	0.35
ᑲᑎᖕᒐᓪᓗᑎᒃ ᓴᓐᓂᕈᑎᐅᑉ ᑐᓄᓂᕈᓯᐅᓪᓗ ᐃᒪᖕᒐ ᐊᒻᒪᓗ ᑕᓯᐅᔭᖅ ᐃᓐᓈᓗᒃ ᑲᖏᖅᓱᐊᕐᔪᖕᒥ	17,878	26%	15,481	45,532	0.33

*ᑕᑯᑎᑦᑎᔾᔪᑦ ᐃᖏᒧᑦᖠᓯᔪᓂᒃ 2. ᑕᒪᕐᒥᒃ ᑲᑎᑦᓗᒋᑦ ᓄᓈᖅᑕᐅᓂᕐᒧᑦ ᐱᑕᖅᑕᐅᔪᓐᓇᕐᓂᖏᑦ ᐱᖓᓱᔪᖅᑐᓂᒃ 6-ᖑᔪᓂᒃ ᑐᒫᓕᒃᑕᕐᑲᕐᕕᐅᕙᒃᑐᓂᒃ ᑲᓇᑕᒥᐅᑕᐃᑦ ᖁᑦᑎᒃᑐᒥᒃ ᐅᑭᐅᖅᑕᖅᑑᓂᖓᓂ. ᐊᒥᓱᕈᖅᓯᐊᕆᔭᐅᓂᖏᓐᓄᑦ (ᖃᓗᓇᑎᑐᑦ ᓇᓗᓇᐃᒃᑯᑕᓖᑦ ᐃᒫᒃ Fr) ᐋᖅᑭᒃᑕᐅᓯᒪᓚᐅᖅᑐᑦ ᓈᓴᐅᑎᓕᖏᒃ 0.5 ᑕᐅᕙᓂ ᐊᐅᓱᐃᑦᑑᑉ ᕿᑭᖅᑕᖓᑕ ᓂᒋᐊᓂ ᐃᒪᖏᓐᓂ ᐊᒻᒪᓗ ᐊᑯᑭᒃᑐᕐᒥᐅᑦ ᕿᑭᖅᑖᓗᖏᐅᓪᓗ ᐊᑯᓐᓂᖓᓂ ᑕᓯᐅᔭᕐᔪᐊᖓᓂ, ᐃᓱᒪᒋᔭᐅᓯᒪᔭᕆᐊᖃᕐᓂᖏᓐᓄᑦ ᓇᓗᓇᕐᓂᖏᑦ ᐱᑕᖃᕐᓂᖏᑦ ᑕᐃᒃᑯᓇᓂ ᐃᒪᕐᓂ ᐊᒻᒪᓗ ᓇᒧᑦ ᓅᑉᐸᓪᓕᐊᕙᖕᓂᖏᓐᓂᒃ ᑐᒫᓖᑦ. ᐊᒥᓱᕈᖅᓯᐊᕆᔭᐅᓂᖏᓐᓄᑦ ᓇᓗᓇᐃᒃᑯᑕᖓᑦ (Fr–ᖓᑦ) ᐋᖅᑭᒃᑕᐅᓯᒪᓚᐅᖅᑐᖅ 1.0–ᒥ ᐊᓯᖏᓐᓄᑦ ᑐᒫᓕᒃᑕᕐᑲᕐᕕᐅᔪᓄᑦ ᐃᓱᒪᒋᔭᐅᓪᓗᑎᒃ ᓈᒻᒪᖕᓂᐊᕐᓂᖅ ᐊᒥᓲᓂᖅᓴᐅᔪᓄᑦ ᖃᐅᔨᒪᑦᑎᐊᕐᓂᖅᓴᐅᔪᓂᒃ ᖃᐅᔨᓴᖅᑕᐅᕐᑲᑦᑕᖅᓯᒪᓂᖏᓐᓄᑦ.

ᐊᐅᔭᒃᑯᑦ ᑐᒫᓕᖕᓂᒃ ᐱᑕᖃᓲᑦ	$N_{ᐊᒥᓱᕈᓕᕐᒐᓂᖏ}$	ᑲᑎᑦᓗᒋᑦ ᑕᒪᕐᒥᒃ ᐱᑕᖅᑕᐅᔪᓐᓇᕐᓂᖏᑦ
ᐊᐅᓱᐃᑦᑑᑉ ᕿᑭᖅᑕᖓᑕ ᓂᒋᐊᓂ ᐃᒪᖓ (ᐊᒥᓱᕈᖅᓯᐊᕆᔭᐅᓂᖏᑦ/Fr=0.5)	9,714	76
ᐊᑯᑭᒃᑐᕐᒥᐅᑦ ᕿᑭᖅᑖᓗᖏᐅᓪᓗ ᐊᑯᓐᓂᖓᓂ ᑕᓯᐅᔭᕐᔪᐊᖅ (ᐊᒥᓱᕈᖅᓯᐊᕆᔭᐅᓂᖏᑦ/Fr=0.5)	9,897	77
ᑰᖓᓇᔫᑉ ᑲᓇᖕᓇᖓᓂ	42,081	658
ᓴᓐᓂᕈᑎᐅᑉ ᑐᓄᓂᕈᓯᐅᓪᓗ ᐃᒪᖓ	24,895	389
ᑕᓯᐅᔭᖅ ᐃᓐᓈᓗᒃ ᑲᖏᖅᓱᐊᕐᔪᖕᒥ	8,564	134
ᑲᓇᖕᓇᖓᓂ ᕿᑭᖅᑖᓘᑉ ᑕᕆᐅᖓᓂ	13,214	206
ᑕᒪᕐᒥᒃ ᖁᓛᓃᑦᑐᑦ ᑲᑎᑦᓗᒋᑦ	108,365	1,540
ᑲᑎᖓᓪᓗᑎᒃ ᓴᓐᓂᕈᑎᐅᑉ ᑐᓄᓂᕈᓯᐅᓪᓗ ᐃᒪᖓ ᐊᒻᒪᓗ ᑕᓯᐅᔭᖅ ᐃᓐᓈᓗᒃ ᑲᖏᖅᓱᐊᕐᔪᖕᒥ	34,716	542

ᓇᐅᒃᑯᑦ ᓇᓗᓇᕈᑎᖃᕐᓂᖏᑦ

- ᑕᒻᒪᖅᑕᖅᓯᒪᖏᑦᑐᓂᒃ ᐊᒥᓱᓂᖏᓐᓂᒃ ᓇᓚᐅᑦᑖᖅᑐᖃᕐᓂᐊᖅᑎᓪᓗᒋᑦ ᑕᒪᕐᒥᑦᑎᐊᖅ ᐱᑕᖃᕐᕕᐅᓂᖏᑦ ᖃᐅᔨᓴᖅᑕᖃᑦᑕᕆᐊᖃᖅᐳᑦ (Buckland et al. 2001). ᐊᐅᔭᒃᑯᑦ ᐱᑕᖃᖅᐸᓂᖏᑦ ᑐᒫᓖᑦ ᕿᓚᓗᒐᐃᑦ ᑕᒃᐸᓂ ᐊᑯᑭᒃᑐᕐᒥᐅᑦ ᕿᑭᖅᑖᓗᖏᐅᓪᓗ ᐊᑯᓐᓂᖓᓂ ᑕᓯᐅᔭᕐᔪᐊᕐᒥ ᐊᒻᒪᓗ ᐊᐅᓱᐃᑦᑑᑉ ᕿᑭᖅᑕᖓᑕ ᓂᒋᐊᓂ ᐃᒪᖓᓂ ᒫᓐᓇᐅᔪᖅ ᓱᓕ ᑐᑭᓯᐅᒪᔭᐅᑦᑎᐊᖏᒻᒪᑕ. ᑕᐅᕙᓂᓕ ᑰᖓᓇᔫᑉ ᑲᓇᖕᓇᖓᓂ ᐱᔾᔪᑎᖃᖅᓱᑕ ᐃᓱᒪᓕᐅᓚᐅᖅᑐᑦ ᖃᐅᔨᓴᕈᓚᖏᔾᔪᑦᑎ ᐱᖓᓇᒻᒪᕆᐊᓃᑦᑐᑦ ᐊᒻᒪᓗ ᓂᒋᒻᒪᕆᐊᓂᑦᑐᑦ ᐱᑕᖃᕐᕕᐅᔪᓐᓇᕐᓂᖏᑦ. ᐃᓱᒪᖃᓚᐅᕋᑦᑕ ᑕᒪᒃᑯᐊ ᐊᑐᖅᑕᐅᖃᑕᕐᓂᖏᓐᓂᒃ ᑐᒪᐃᖓᓕᖅᑎᓪᓗᒋᑦ ᐱᓗᐊᖅᑐᒥᒃ ᑕᐅᕙᓂ ᐱᐅᓪ ᐃᒪᕕᖓᓂ Peel Sound–ᒥ ᐊᒻᒪᓗ ᑰᖓᓇᑉ ᕿᑭᖅᑕᖓᑕ ᑲᖏᖅᑐᖓᓂ. ᑐᒫᓖᑦ ᕿᓚᓗᒐᐃᑦᑕᐅᖅ ᐱᑕᖃᓲᖑᖕᒥᖕᒪᑕ ᐃᒪᕐᓂ ᐊᖑᓇᓱᒃᕕᐅᕙᖕᒋᒻᒥᔪᓂ ᐊᒻᒪᓗ ᓯᓚᑖᓃᑦᑐᓂᒃ ᖃᐅᔨᓴᕐᕕᐅᓚᐅᖅᑐᓂᒃ (ᓲᕐᓗ ᐆᒃᑑᑎᒋᓗᒍ ᑕᐅᕙᓂ ᒪᕐᕉᓕᕿᐅᑉ ᐊᑭᐊᓂ ᑕᕆᐅᕐᒥ Parry Channel–ᒥᒃ ᐊᕕᒃᑐᖅᓯᒪᓂᖓᓂ). ᑭᓯᐊᓂᓕᑕᐅᖅ, ᐃᓱᒪᒋᔭᐅᑐᐃᓐᓇᖅᐳᑦ ᐊᒥᓲᓗᐊᖃᑦᑕᖏᓐᓂᖏᓐᓂᒃ, ᐊᒃᑐᖅᓯᓯᒪᓇᔭᖏᒃᑭᓪᓗᑎᒃ ᓄᓇᓕᖕᒥᐅᑕᓄᑦ ᑕᒪᐃᓐᓂᒃ ᑲᑎᑦᓗᒋᑦ ᐱᑕᖅᑕᐅᔪᓐᓇᕐᓂᖏᓐᓂᒃ.
- ᑐᒫᓕᑦ ᑕᑯᔭᐅᖃᑦᑕᖅᓯᒪᓂᖏᑦ ᑲᖓᔪᒻᒪᕆᐊᖃᑦᑕᓚᐅᖅᑐᑦ ᑕᐅᕙᓂ ᑕᓯᐅᔭᐅᑉ ᐃᓐᓈᓗᒃ ᑲᖏᖅᓱᐊᕐᔪᖕᒐᓂ ᐊᒻᒪᓗ ᓴᓐᓂᕈᑎᐅᑉ ᑐᓄᓂᕈᓯᐅᓪᓗ ᐃᒪᖓᓂ, ᓇᓗᓇᕈᑕᐅᒋᐊᒃᑲᓐᓂᓕᓚᐅᖅᑐᓂᒃ ᖃᐅᔨᓴᖅᑕᐅᓯᒪᓂᖏᓐᓂᒃ ᐊᒥᓲᔪᒥᓇᕐᓂᖏᓐᓂᑦ, ᐊᒻᒪᓗ ᑐᖓᐅᑎᓯᒪᔪᑕᐅᔪᓐᓇᖅᓱᑎᒃ ᐊᒥᓲᓂᖏᓐᓄᑦ.
- ᑲᑎᓐᖓᑎᑕᐅᒐᓗᐊᕐᒪᑕ ᑲᑎᓐᖓᔪᑦ ᐅᒪᔪᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᓄᓈᖅᑕᐅᓗᑎᒃ ᐃᓗᐊᓂ AI ᐊᒻᒪᓗ ES, ᑖᒃᑯᐊᒃ ᐊᒃᑐᐊᖃᓂᑏᖕᓂᖏᑦ ᐊᒡᒍᖅᑐᓯᒪᔪᒃ ᓱᓕ ᖃᐅᔨᒪᔭᐅᖏᒻᒪᑎᒃ. ᓱᓕ ᓄᑖᓂᒃ ᕿᒥᕐᕈᓇᒍᑎᓂᒃ ᓇᓗᓇᐃᖅᓯᔾᔪᑎᖃᓚᐅᖏᒻᒪᑕ ᓄᑖᓂᒃ ᐋᖅᑭᒃᓯᒪᓂᖃᕋᓗᐊᕐᒪᖔᑕ. ᓯᕗᓂᒃᓴᒥ ᖃᐅᔨᓴᖅᑕᐅᔭᕆᐊᖃᕐᓂᐊᖃᖅᑐᑦ ᖃᐅᔨᓴᐃᓗᑎᒃ ᐊᒃᑐᐊᖃᑎᒌᖕᒪᖔᑎᒃ ᑖᒃᑯᐊ ᒪᕐᕉᒃ ᐊᒻᒪ ᐱᓗᐊᖅᑐᒥᒃ ᐱᕙᓪᓕᐊᑎᑦᑎᔨᑦ ᐊᖅᑯᓲᖅᑕᕐᓂᖏᑦ ᐊᒻᒪ ᐅᒥᐊᔪᐊᑦ ᐊᖅᑯᓲᖅᑐᑦ ᐅᓄᖅᓯᕙᓪᓕᐊᓂᖏᓐᓄᑦ.

- ᑕᐅᕙᓂᓕ ᐊᐅᓱᐃᑦᑑᑉ ᕿᑭᖅᑕᖓᑕ ᓂᒋᐊᓂ ᐃᒪᖓᓂ, ᐊᒥᓱᐊᓘᖅᑕᕐᒪᑕ ᕿᓚᓗᒐᐃᑦ ᑐᒐᓖᑦ ᖃᐅᔨᓴᐅᓚᐅᖅᑐᑦ ᑕᐅᕙᓂ ᐊᐅᓱᐃᑦᑑᑉ ᐃᑎᕕᐊᑕ ᑕᕆᐅᖓᓂ. ᐊᒥᓲᖏᑦᑐᑯᓗᐃᓪᓗ ᑕᑯᔭᐅᖃᑦᑕᓚᐅᖅᑐᑦ ᖃᐅᔨᓴᕐᕕᐅᓂᖓᓂ ᑕᐅᕙᓂ ᐊᐅᓱᐃᑦᑑᑉ ᕿᑭᖅᑕᖓᑕ ᓂᒋᐊᓂ ᐃᒪᖏᓐᓂ ᐃᖏᒍᑦ, ᑕᐅᕙᓂᓗ ᐊᖑᓇᓱᒐᔪᖕᓂᖅᓴᐅᕙᒃᓱᑎᒃ ᖃᓂᓐᓂᖅᓴᐅᒐᒥ ᓄᓇᖓᓄᑦ ᐊᐅᓱᐃᑦᑐᕐᒥᐅᑦ.
- ᐊᑯᑭᒃᑐᕐᒥᐅᑦ ᕿᑭᖅᑖᓗᖏᐅᓪᓗ ᐊᑯᓐᓂᖓᓂ ᑕᓯᐅᔭᕐᔪᐊᖓ ᖃᐅᔨᓴᖅᑕᐅᔪᓐᓇᓚᐅᖏᑦᑐᖅ ᓯᓚᓗᐊᖅᑕᓚᐅᕐᓂᕐᒧᑦ. ᐱᑕᖃᕐᓂᖏᑦ ᓇᓚᐅᑦᑖᖅᑕᐅᓯᒪᔪᑦ ᑐᖓᕕᖃᖅᑐᑦ ᐊᒥᓱᖏᑦᑑᒐᓗᐊᓂᒃ ᒪᓕᒐᒃᓴᓕᐊᖑᓯᒪᔪᓂᒃ ᐅᐊᖕᓇᖅᐸᓯᖓᓂ ᖃᐅᔨᓴᕐᕕᐅᓂᖓᓂ, ᑕᐃᒪᐃᓐᓂᖏᓄᓪᓗ ᖃᐅᔨᒪᔭᐅᖃᓯᐅᔭᐅᔪᓐᓇᖏᓚᖅ ᖃᐅᔨᓴᕐᕕᐅᓚᐅᖅᑐᓕᒫᓄᑦ. ᑭᓯᐊᓂᓕ, ᐱᑕᖃᖅᑎᒋᓂᖏᑦ ᐃᓚᔭᐅᓯᒪᑐᐃᓐᓇᖅᑐᑦ ᖃᐅᔨᓴᕐᕕᐅᒐᓱᐊᖅᓯᒪᓂᖏᓐᓄᑦ. ᑕᐃᒫᒃ ᓇᓚᐅᑦᑖᖅᑕᐅᔪᓐᓇᖅᓯᓚᐅᖅᑐᑦ ᓱᓕᔫᓂᖅᓴᐅᔪᓐᓇᑐᓂᒃ, ᑭᓯᐊᓂᑕᐅᖅ ᓱᓕ ᐃᓱᒪᒋᔭᐅᔭᕆᐊᖃᖅᑐᖅ ᒥᑭᓛᖑᔪᒥᒃ ᓇᓚᐅᑖᑕᐅᓯᒪᓂᖏᓐᓂ ᐱᑕᖃᕐᓂᖏᓐᓂᒃ ᕿᓚᓗᒐᐃᑦ ᑐᒐᓖᑦ ᑕᐅᕙᓂ ᐊᑯᑭᒃᑐᕐᒥᐅᑦ ᕿᑭᖅᑖᓗᖏᐅᓪᓗ ᐊᑯᓐᓂᖓᓂ ᑕᓯᐅᔭᕐᔪᐊᖅᒥ. ᓂᕆᐅᒃᑐᒍᑦ ᑖᒃᑯᐊ ᐱᑕᖃᕐᓂᖏᑦ ᐃᒪᐃᑦ ᐊᕕᒃᑐᖅᑕᐅᓯᒪᒃᑲᓐᓂᓚᖓᓂᖏᓐᓂᒃ ᖃᐅᔨᒪᔭᐅᑦᑎᐊᕐᓂᖅᓴᐅᓕᕈᑎᒃ ᓇᒧᖓᐅᖃᑕᕐᓂᖏᓐᓂᒃ ᓇᑭᖓᖃᑦᑕᕐᓂᖏᓪᓗ. ᑕᐃᒃᑯᓴᐃᓐᓇᐅᔪᓐᓇᕐᓂᖏᑦ ᐊᑯᑭᒃᑐᕐᒥᐅᑦ ᕿᑭᖅᑖᓗᖏᐅᓪᓗ ᐊᑯᓐᓂᖓᓂ ᑕᓯᐅᔭᕐᔪᐊᖅᒥ, ᑕᐃᒃᑯᐊᓗ ᓯᑕᒪᐃᑦ ᐃᓕᑕᕆᔭᐅᓯᒪᔪᑦ ᓴᓐᓂᕈᑎᐅᑉ ᐃᒪᖓᓂ ᐱᑕᖃᕐᕕᐅᔪᑦ ᑐᒐᓖᖅᓂᒃ ᐊᒻᒪᓗ ᑲᖏᖅᓱᕐᔪᐊᕐᒥ, ᖃᓈᑉ ᐊᑭᐊᓂ ᑕᕆᐅᕐᒥ ᐱᑕᖃᖅᑎᒋᓂᖏᑦᑕᐅᖅ ᓇᓗᓇᖅᑐᑦ ᓱᓕ.
- ᑕᐃᒃᑯᐊ ᑕᑯᔭᐅᖃᑦᑕᓚᐅᕐᓂᖏᑦ ᓯᕗᓂᐊᒍᕐᓂᖏᓐᓂ ᐊᒻᒪᓗ ᑭᖑᓂᐊᒎᕐᓂᖏᑦ ᑕᐅᑐᕋᓈᖅᑎᓄᑦ ᐊᒥᓱᓗᐊᖃᑕᓚᐅᖏᒻᒪᑕ, ᑕᐃᒪᐃᓐᓂᖏᓄᓪᓗ ᐊᒥᓱᒥᓇᖏᔾᔪᑕᐅᕙᑦ ᐊᖏᔪᒥᒃᓗ ᑕᒃᕗᓇ ᑕᒻᒪᖅᓯᒪᔪᒥᓇᕐᓂᖃᖅᐳᑦ. ᖃᐅᔨᓴᖅᑕᐅᒪᓚᐅᖅᑐᓂᒃ ᐊᒥᓲᖏᓐᓂᖏᑦ ᓴᕿᑦᑎᓗᑕᐅᓂᐊᖅᑐᒃᓴᐅᔪᑦ ᐊᒥᓱᓂᖅᓴᐅᔪᓂᒃ ᐱᑕᖃᕐᓂᕋᐃᓂᖅ ᓴᓂᐊᓂ ᑕᐃᒃᑯᓇᖓᑦ ᐊᒥᓱᓂᒃ ᑕᑯᔭᐅᕝᕕᐅᓇᔭᖅᑐᓂᒃ ᖃᓄᐃᓕᖓᓇᓱᒋᔭᐅᔪᓂᒃ. ᐱᔾᔪᑕᐅᓗᑎᒃ ᑕᐃᒃᑯᓂᖓᑦᓴᐃᓐᓇᖅ ᑕᑯᖃᑦᑕᓚᐅᕐᓂᖏᑦ ᐊᑯᓐᓂᖏᓐᓂᒃ ᑕᐅᑐᕋᓐᓈᖅᑎᐅᓚᐅᖅᑐᓂᒃ ᐊᒥᓲᓗᐊᖅᑐᔾᔪᐅᖏᑦᑐᑦ, ᑖᒃᑯᓇᖓᑦ ᖃᐅᔨᓴᖅᑕᐅᔪᓂᒃ, ᑕᐃᒪᐃᓐᓂᖏᓐᓄᑦ ᐊᒥᓱᓈᖅᑕᐅᓗᐊᖅᓯᒪᔪᓐᓇᕆᕗᑦ.

ᑐᑭᑖᕈᑏᑦ ᐃᓱᐊᓂ

ᖃᐅᔨᓴᖅᑕᐅᓂᖏᓐᓂᒃ ᑐᓂᔭᐅᓯᒪᔪᑦ ᒫᓐᓇᐅᔪᖅ ᐱᑕᖃᖅᑎᒋᓂᖏᓐᓂᒃ ᓇᓚᐅᑦᑖᕈᑎᖏᑦ ᓯᑕᒪᓂᒃ ᓴᓐᓂᕈᑎᐅᑉ ᐃᒪᖏᓐᓂ ᐊᕕᒃᑐᖅᓯᒪᔪᓂᒃ ᑐᒐᓖᑦ ᑲᓇᑕᒥᐅᑕᐃᑦ ᐃᒪᖁᑎᖏᓐᓂ ᓴᕿᐅᒪᑎᑦᑎᕗᑦ ᐱᐅᓂᖅᓴᐅᓕᖅᑐᓂᒃ ᓱᓕᔫᔪᓐᓇᕐᓂᖏᓐᓂᒃ, ᐊᒻᒪᓗ ᓴᕿᑦᑎᓗᑕᐅᓯᒪᓪᓗᑎᒃ ᐃᓚᓐᖓᐃᕝᕕᐅᖃᑕᕐᓂᖏᓐᓂᒃ ᐃᓱᒪᒋᔭᐅᓯᒪᔪᓂᒃ ᓇᓚᐅᑦᑖᕈᑎᓂᒃ ᑕᐃᒃᑯᓂᖓ ᑐᒐᓖᖅᓂᒃ ᑕᐅᕙᓂ ᐃᒪᕐᓂ ᐊᑯᑭᒃᑐᕐᒥᐅᑦ ᕿᑭᖅᑖᓗᖏᐅᓪᓗ ᐊᑯᓐᓂᖓᓂ ᑕᓯᐅᔭᕐᔪᐊᕐᒥᓗ ᐊᒻᒪᓗ ᐊᐅᓱᐃᑦᑑᑉ ᕿᑭᖅᑕᖓᑕ ᓂᒋᐊᓂ ᐃᒪᖏᓐᓂ. ᑭᖑᓂᐊᒍᑦ, ᐊᑯᓂᐅᔪᖅ ᐅᖓᓯᒃᑐᒥᒃ ᖃᐅᔨᓴᖅᑕᐅᔪᓐᓇᕐᓂᖏᑦ ᐊᖅᑲᑲᑦᑕᕐᓂᖏᓐᓂᒃ ᐃᒪᕐᒥ ᐱᐅᓯᕆᕙᒃᑕᖏᑦ ᐱᑕᖃᕆᐊᖃᒻᒪᕆᓚᐅᖅᑐᑦ ᓇᓚᐅᑦᑖᕈᑕᐅᔪᓐᓇᕐᓂᕐᒧᑦ ᐱᑕᖃᖅᑎᖏᓂᖏᓐᓂᒃ ᖃᐅᐅᒪᔪᓐᓇᕐᓂᕐᒧᑦ. ᐊᒥᓱᓂᖏᓐᓂᒃ ᓇᓚᐅᑦᑖᕈᑏᑦᑕᐅᖅ ᐱᐅᓯᒋᐊᖅᑕᐅᓚᐅᕐᒥᔪᑦ ᐊᑐᓕᖅᑎᑕᐅᓂᖏᓐᓄᑦ ᓄᑖᑦ ᖃᐅᔨᓴᕈᓯᑦ ᖃᓄᐃᓕᐅᑕᐅᓂᕐᒧᑦ ᐊᒃᓱᕈᕐᓇᕈᑕᐅᕙᓚᐅᖅᑐᓂᒃ ᑐᒐᓖᖅᓂᒃ ᑲᒪᒋᔭᖃᕐᓂᖅ ᑲᖏᖅᓱᓃᖃᑦᑕᓚᐅᖅᑐᓂᒃ.

ᑐᑭᓯᓂᐊᕐᕕᐅᓯᒪᔪᑦ

ᖃᐅᔨᓴᖅᑎᓄᑦ ᐅᖃᐅᔾᔨᒋᐊᕈᑏᑦ ᐅᓂᒃᑳᓕᐊᑦ ᓴᕿᑎᑕᐅᓯᒪᔪᑦ ᐊᒃᑑᐱᕆ 20-24, 2014–ᒥ ᐊᕐᕋᒍᑕᒫᖅ ᑲᑎᒪᔪᐊᓚᐅᕐᓂᖏᓐᓂ ᑲᓇᑕᓕᒫᒥ ᑕᕆᐅᕐᒥᐅᑕᓕᕆᔨᐅᖃᑕᐅᔪᑦ ᕿᒥᕐᕈᐊᖅᑎᐅᓂᖏᓐᓄᑦ ᑲᑎᒪᔨᕋᓛᑦ (NMMPRC). ᐊᓯᒃᑲᓐᓂᖏᑦ ᐅᖃᓕᒫᒐᓕᐊᑦ ᑕᐃᒃᑯᓇᖓᑦ ᑲᑎᒪᓂᕕᓂᖏᓐᓂᒃ ᑕᑯᔭᒃᓴᐅᖏᔪᑦ ᐅᕙᓂ DFO Science Advisory Schedule ᐊᑐᐃᓐᓇᕈᖅᐸᓪᓕᐊᓂᖓᓐᓂ.

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ᑕᒻᒪᖅᓯᒪᖕᒋᑦᑐᓂᒃ ᑕᐃᒍᑎᖃᕆᐊᓕᒃ ᑖᓐᓇ ᐅᖃᓕᒫᒐᖅ ᐅᑯᓂᖕᒐ:

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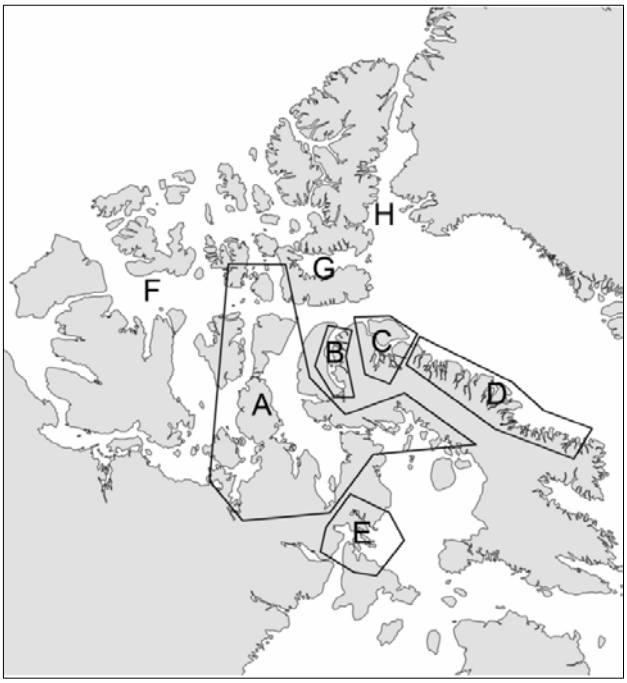
Fisheries and Oceans Canada | Pêches et Océans Canada
Ecosystems and Oceans Science | Sciences des écosystèmes et des océans

ᕿᑎᐊᓂ ᐊᒻᒪᓗ
ᐅᑭᐅᖅᑕᖅᑑᑉ ᐊᕕᒃᑐᖅᓯᒪᓂᖓᓄ

ᑲᓇᑕᒥᐅᑦ ᖃᐅᔨᓴᖅᑎᓐᓄᒃ ᐅᖃᔾᔨᒋᐊᖅᑏᑦ ᐱᓕᕆᕝᕕᖓᑦ
ᖃᐅᔨᓴᖅᑎᓄᑦ ᐅᖃᐅᔾᔨᒋᐊᖅᑎᓂᒃ ᐅᓂᒃᑳᓕᐊᖓᑦ 2015/006

ᐊᑐᖅᑕᐅᔪᓐᓇᕐᓂᖏᑦ ᐋᕿᒋᐊᖅᑕᐅᔪᓐᓇᖃᑦᑕᕐᓗᑎᒃ ᑕᒪᐃᓐᓂᒃ ᑲᑎᑦᓗᒋᑦ ᐊᕐᕋᒍᑕᒫᖅ ᑐᒐᓖᑦ ᐱᑕᖅᑕᐅᔪᓐᓇᕐᓂᖏᓐᓄᑦ (ᖃᐅᔨᓴᖅᑎᖏᓐᓄᑦ ᑕᐃᔭᐅᔪᑦ ᓛᑎᓐᑎᑐᑦ *Monodon monoceros*)

ᑐᒐᓕᒃ (ᓛᑎᓐᑎᑐᑦ Monodon monoceros) ᐅᓂᒃᑳᓕᐊᑦ ᕋ. ᐱᓕᑉ R. Phillips.



ᑕᑯᑎᑦᑎᔾᔪᑦ 1. ᓇᓃᒐᔪᖕᓂᖏᑦ ᑲᓇᑕᒥ ᓇᔪᖅᑕᐅᕙᓂᖏᑦ ᑕᕆᐅᖏᑦ ᑐᒐᓕᖕᓄᑦ: **A** - ᑰᒐᓇᔫᑉ ᓄᓇᖕᒐᑕ ᐃᒪᖏᓐᓂ; **B** - ᓴᓐᓂᕈᑎᐅᑉ ᑐᓄᓂᕈᓯᐅᓪᓗ ᐃᒪᖏᓐᓂ; **C** - ᑕᓯᐅᔭᖅ ᐃᓐᓈᓗᒃ ᑲᖏᖅᓯᐊᕐᔪᖓᓂ; **D** - ᐅᐊᖕᓇᖅᐸᓯᐊᓂ ᕿᑭᖅᑖᔫᑉ; **E** - ᕼᐊᑦᓴᓐ ᐱᑉ ᑕᓯᐅᔭᕐᔪᐊᑉ ᐅᐊᖕᓇᖕᒐᓂᓗ. ᐊᓯᖏᓐᓂᒐᔪᖕᒥᔪᖅ ᑐᒐᓖᑦ ᖃᐅᔨᒪᕙᐅᖕᒥᔪᑦ ᓇᓃᑉᐸᖕᓂᖏᑦ ᐊᐅᔭᒃᑯᑦ: **F** - ᑕᓪᓗᕈᑎᖕ ᐃᒪᖏᓐᓂ ᕿᑭᖅᑕᕐᑲᕐᕕᐅᔪᓂ; **G** - ᑕᓯᐅᔭᕐᔪᐊᕐᒥ ᐅᐊᖕᓇᖕᒐᓂ ᑕᓪᓗᕈᑎᑉ; **H** - ᐊᑯᑭᒃᑐᕐᒥᐅᑦ ᕿᑭᖅᑖᔫᖕᒥᐅᓪᓗ ᐊᑯᓐᓂᖕᒐᓂ ᑕᓯᐅᔭᕐᔪᐊᕐᒥ; [ᐊᑐᓕᖅᑎᑕᐅᓚᐅᖅᑐᑦ ᐃᖃᓗᓕᕆᔨᕐᔪᐊᒃᑯᓐᓄᑦ 2011].

ᑐᑭᓯᑎᕐᑎᒋᐊᒃᑲᓐᓂᕈᑏᑦ ᖃᓄᐃᓕᖕᒐᓂᖏᓐᓂᒃ

*ᒫᓐᓇᐅᔪᖅ ᑕᓪᓕᒪᐅᖕᒪᑕ ᐃᓕᑕᕆᔭᐅᓯᒪᓕᖅᑐᑦ ᑐᒐᓕᒃᑕᖃᑕᖅᑐᑦ ᐊᐅᔭᒃᑯᑦ ᑲᓇᑕᐅᑉ ᐅᑭᐅᖅᑕᖅᑑᓂᖓᓂ: ᑰᒐᓇᔫᑉ ᓄᓇᖕᒐᑕ ᐃᒪᖏᓐᓂ, ᓴᓐᓂᕈᑎᐅᑉ ᑐᓄᓂᕈᓯᐅᓪᓗ ᐃᒪᖕᒐ, ᑕᓯᐅᔭᖅ ᐃᓐᓈᓗᒃ ᑲᖏᖅᓯᐊᕐᔪᖕᒥ, ᑲᖕᓇᖕᓇᖅᐸᓯᐊᓂ ᕿᑭᖅᑖᔫᑉ ᐊᒻᒪᓗ ᐅᐊᖕᓇᖅᐸᓯᐊᓂ ᕼᐊᑦᓴᓐᐱᑉ ᑕᓯᐅᔭᕐᔪᐊᖕᒐᓂ (ᑕᑯᑎᑦᑎᔾᔪᑏᑦ 1 **A-D**).*

Canada

ᐊᖑᓇᓱᒃᑕᐅᔪᓐᓇᕐᓂᖏᑦ ᑕᒪᒃᑯᐊ ᑐᒫᓖᑦ ᐊᐅᓚᑕᐅᖃᑦᑕᖅᑐᑦ ᑕᒪᐃᓐᓂᒃ ᑲᑎᑕᐅᕙᒃᓱᑎᒃ ᐱᑕᖅᑕᐅᔪᓐᓇᖃᑦᑕᕐᓂᐊᖅᑐᑦ ᐋᕿᐅᒪᑎᑕᐅᓂᐊᓕᖅᑐᓂᒃ ᐊᑐᓂ ᑐᒫᓕᒃᑕᖃᕐᕕᐅᔪᓂ, ᑕᑦᓕᒪᓄᑦ ᐊᕐᕋᒍᓄᑦ ᐊᑐᖅᑕᐅᓂᐊᖅᑐᓂᒃ. ᑕᐃᒃᑯᐊ ᑕᒪᐃᓐᓂᒃ ᑲᑎᑦᓗᒋᑦ ᐱᑕᖅᑕᐅᔪᓐᓇᖃᑦᑕᓂᖏᑦ ᑐᖓᕕᖃᖅᐳᑦ ᐱᑕᖅᑕᐅᓯᒪᕝᕕᐅᔪᓐᓇᖃᑦᑕᓂᖏᓐᓂᒃ ᓇᓚᐅᑦᑕᖅᑕᐅᓯᒪᔪᓂᒃ ᐃᓚᖓᖅᑕᐅᓯᒪᕝᕕᐅᔪᓐᓇᕐᓂᖏᓂᒃ ᐊᑐᓂ ᑐᒫᓕᒃᑕᖃᕐᕕᐅᓂᖏᓐᓂ, ᓈᓴᖅᑕᐅᕙᒃᓱᑎᒃᓗ ᑕᐃᒃᑯᐊ ᐊᖑᓇᓱᒃᑕᐅᓂᖏᓐᓂᒃ ᐱᑕᖅᑕᐅᔫᒐᓗᐊᑦ ᐊᓯᐅᔨᓴᐅᖃᑦᑕᓂᖏᑦ. ᒫᓐᓇᐅᔪᖅ ᖃᐅᔨᓴᖅᑕᐅᓂᖏᓐᓂᒃ ᑭᐅᒋᐊᕈᑕᐅᕗᑦ ᑐᒃᓯᕋᐅᑎᓄᑦ ᓄᓇᒥᐅᑕᒥᓂᒃ/ᐃᒪᕐᒥᐅᑕᓂᒃᓗ ᐊᐅᓚᑦᑎᔨᓄᑦ, ᑕᐃᒃᑯᓄᖓᓗ ᐃᓚᒋᔭᐅᓂᖏᓄᑦ ᖃᐅᔨᓴᖅᑕᐅᓯᒪᔪᓂᒃ ᖃᓄᐃᓕᐅᕈᑕᐅᓂᐊᖅᑐᓂᒃ ᐱᑕᖃᐃᓐᓇᕈᓐᓇᕆᐊᖃᕐᓂᖏᓐᓄᑦ (ᑐᒫᓖᒃ) ᐋᕿᒋᐊᖅᑕᐅᔪᓐᓇᖃᑦᑕᖅᑐᓂᒃ ᑕᒪᐃᓐᓂᒃ ᑲᑎᑕᐅᔪᓂᒃ ᐱᑕᖅᑕᐅᑎᑦᑎᖃᑦᑕᕈᑎᒃᓴᖏᓐᓂᒃ ᐋᕿᕙᒃᑐᑦ. ᑐᒫᓕᒃᑕᖃᓲᖑᒋᕗᑦ ᐊᐅᔭᒃᑯᑦ ᑕᐅᕙᓂ ᐃᒪᖏᓐᓂᒃ ᑕᓯᐅᔭᕐᔪᐊᕐᒥ ᐅᐊᖓᓇᖓᓂ ᑕᓪᓗᕈᑎᓂ, ᐊᑯᒃᑐᕐᒥᐅᑦ ᕿᑭᖅᑖᓘᖏᐅᓪᓗ ᐊᑯᓐᓂᖓᓂ ᑕᓯᐅᔭᕐᔪᐊᕐᒥ ᐊᒻᒪᓗ ᑕᓪᓗᕈᑏᑦ ᐃᒪᖓᓂ ᕿᑭᖅᑕᖃᕐᓂᐅᔪᓂ (ᓈᓴᐅᑎᓕᒃ ᑕᑯᓗᒍ 1 ***F-H***). ᑕᐃᒃᑯᐊ ᐱᑕᖃᕐᓂᖏᑦ ᖃᓄᐃᓕᖓᓂᖏᓪᓗᓐᓃᑦ ᓇᓗᓇᑲᓚᐅᕐᒪᑕ ᑭᓯᐊᓂ ᐅᖃᐅᔾᔨᒋᐊᕈᑕᐅᓚᐅᕐᓗᑎᒃ ᑕᒡᕗᖓ ᐊᑐᓕᖅᑎᑕᐅᓛᕐᒥᔪᑦ ᖃᐅᔨᓴᖅᑕᐅᓚᐅᕐᓗᑎᒃ ᐋᕿᒃᑕᐅᓚᖓᓂᖏᑦ ᑕᒪᕐᒥᒃ ᑲᑎᑦᓗᒋᑦ ᐱᑕᖅᑕᐅᔪᓐᓇᖃᑦᑕᕐᓂᐊᖅᑐᑦ ᐊᒥᓲᓂᓇᓂᐊᕐᒥᔭᖏᑦ

ᓇᐃᓇᐃᖅᑕᐅᓪᓗᑎᒃ ᐅᓂᒃᑳᓕᐊᑦ

- ᐃᓄᐃᑦ ᐃᓚᖏᑦ ᐱᑕᖃᕐᑯᔨᓕᕐᒪᑕ “ᐋᕿᒋᐊᖅᑕᐅᔪᓐᓇᖃᑦᑕᕐᓂᐊᖅᑐᓂᒃ ᐱᑕᖅᑕᐅᑎᑦᑎᔪᓐᓇᕈᑎᓂᒃ” ᐱᑕᖃᕐᑯᔨᓪᓗᑎᒃ ᐊᐅᓚᑕᐅᓂᖏᓐᓂᒃ ᑐᒫᓕᖓᓂᒃ ᐊᖑᓇᓱᒃᑕᐅᕙᒃᑐᓂᒃ, ᑕᐃᒫᒃᓴᐃᓐᓇᑲᓴᒃ ᐊᐅᓚᑕᐅᕙᓚᐅᖅᑐᓂᒃ ᓄᓇᓕᖏᐅᑕᓄᑦ ᑕᐃᒃᑯᐊ ᑐᒫᓕᖓᓂᒃ, ᓱᕐᓗ ᐊᒥᐊᒃᑯᖃᖅᑎᑕᐅᕙᓚᐅᕐᓂᖏᓐᓂᒃ ᐊᑐᖅᑕᐅᓯᖏᓂᖏᓐᓂᒃ ᑕᐃᒃᑯᓇᖓᑦ ᑕᒪᐃᓐᓂᒃ ᑲᑎᑦᓗᒋᑦ ᐱᑕᖅᑕᐅᔪᓐᓇᑎᖏᓐᓂᒃ, ᐊᑐᖅᑕᐅᔪᓐᓇᖅᓱᑎᒃ ᐊᕐᕋᒎᓂᐊᕐᓕᒥᔪᓂ ᑭᖑᓂᐊᒍᑦ ᐱᑕᖅᑕᐅᔪᓐᓇᕈᑕᐅᒃᑲᓐᓂᖃᑦᑕᕐᓗᑎᒃ ᐊᖑᓇᓱᒍᓐᓇᖅᓯᔭᕋᖓᒥᒃ.
- ᓴᕿᑎᑕᐅᓯᒪᓕᖅᑐᑦ ᑐᑭᓕᐅᕈᑕᐅᔪᓂᒃ ᖃᓄᐃᓕᖓᓪᓕᓇᖓᓂᖏᓐᓂᒃ ᐃᔾᔪᐊᖅᓯᓯᒪᔪᓂᒃ ᖃᐅᔨᓴᕈᑕᐅᓯᒪᔪᓂᒃ ᐊᑑᑎᖃᕈᓐᓇᑦᑎᐊᕐᒪᖔᑕ ᐋᕿᒋᐊᖅᑕᐅᔪᓐᓇᖃᑦᑕᕐᓂᖏᑦ ᑕᒪᐃᓐᓂᒃ ᑲᑎᑦᓗᒋ2ᑦ ᐱᑕᖅᑕᐅᔪᓐᓇᕐᓂᖏᓐᓂᒃ ᑐᑭᓯᓇᖅᓯᑦᑎᐊᖅᑐᑦ, ᖃᓄᐃᓕᖓᓇᔭᖑᐊᖅᑐᓂᒃ ᖃᐅᔨᓴᖅᑕᐅᓯᒪᓪᓗᑎᒃ, ᑕᐃᒪᐃᓕᖓᔪᓂᒃ ᐊᐅᓚᑦᑎᔾᔪᑎᒃᓴᒥᓂᒃ ᐊᑐᕈᓐᓇᕋᔭᕐᓂᖏᑦ ᐊᒥᐊᒃᑯᓯᒪᑦᑎᐊᖃᑦᑕᕋᔭᖅᑐᑦ, ᒪᓕᑦᑎᐊᑐᐊᕈᑎᒃ ᑕᒪᐃᓐᓂᒃ ᑲᑎᑦᓗᒋᑦ ᐱᑕᖅᑕᐅᔪᓐᓇᕐᓂᖏᓐᓂᒃ ᐱᑕᖅᑕᐅᓯᒪᖃᑦᑕᓚᖓᔪᑦ ᐅᖓᑕᐅᓯᔾᔨᓂᐊᖏᑐᐊᕈᑎᒃ ᑕᐃᓪᓕᒪᐃᖅᑕᖅᓯᒪᑎᒋᔪᓂᒃ ᐆᒪᔪᕐᓂᒃ ᐃᓚᖓᖅᓯᕝᕕᐅᔪᓐᓇᑎᒋᕙᖕᓂᖏᓐᓂᒃ ᐊᕐᕋᒍᑕᒫᖅ.
- ᐱᒻᒪᕆᐅᓂᖏᑦ ᑕᐃᒪᐃᓕᖓᑐᐃᓐᓇᕋᓱᒋᔭᐅᔪᒃ ᑐᑭᑖᕈᑕᐅᖃᑦᑕᖅᑐᓂᒃ ᐊᑐᖅᑕᐅᓯᒪᔪᑦ ᒪᑯᐊ ᖃᐅᔨᒪᔾᔪᑏᑦ:
  - a. ᓄᑕᕿᐅᖅᑕᐅᕙᓪᓕᐊᓂᖏᓐᓂ ᐊᒻᒪᓗ ᑐᕐᑯᕙᓪᓕᐊᖃᑦᑕᖏᑦ ᐊᓯᔾᔨᒃᑭᑕᐃᓐᓇᖃᑦᑕᖏᑐᑦ,
  - b. ᐃᓪᓚᖓᐃᕝᕕᐅᓯᒪᔪᓐᓇᕐᓂᖏᑦ ᓄᑖᕈᓇᐊᖅᑕᐅᖃᑦᑕᖅᑐᑦ ᖁᓕᑦ 10 ᐊᕐᕋᒍᐃᑦ ᓈᓂᑕᒫᖅ, ᓄᑖᓂᒃ ᐊᒥᓲᓂᖃᕐᓂᖏᓐᓂᒃ ᓇᓚᐅᑦᑕᖅᑕᐅᓕᖃᑦᑕᖅᓱᑎᒃ,
  - c. ᐊᖓᓇᓱᒃᑕᐅᖃᑦᑕᕐᓂᖏᓐᓂᒃ ᐊᒥᓲᓂᖏᑦ ᐃᓚᐃᓐᓇᕆᖃᑦᑕᕈᓂᒋᑦ ᑕᐃᒃᑯᓇᖓᑦ ᑕᒪᐃᓐᓂᒃ ᑲᑎᑕᐅᓯᒪᔪᓂᒃ ᐱᑕᖅᑕᐅᔪᓐᓇᖅᑎᑕᐅᓯᒪᓂᒃ; ᐊᒻᒪᓗ
  - d. ᐋᕿᒋᐊᖅᑕᐅᔪᓐᓇᖃᑦᑕᕐᓂᖏᑦ ᐊᖑᓇᓱᒃᑕᐅᔪᓐᓇᕐᓂᖏᓐᓄᑦ ᒪᓕᒃᑕᐅᖃᑦᑕᕐᓗᑎᒃ ᑕᒪᐃᓐᓄᑦᑎᐊᖅ, ᓄᓈᖅᑕᐅᑐᐃᓐᓇᖃᑦᑕᖅᑐᓪᓗ ᐅᖃᐅᓯᐅᖃᑦᑕᕐᓗᑎᒃ ᓱᓕᑦᑎᐊᖅᑐᓂᒃ (ᓱᕐᓗ ᐊᑐᖅᑕᐅᓂᖏᓐᓂᒃ ᑕᒻᒪᖅᓯᒪᔪᖃᖃᑦᑕᖏᑦᑐᓂᒃ).
- ᐃᓚᔭᐅᖃᑦᑕᕐᓂᖏᑦ ᐊᑐᖅᑕᐅᖃᑦᑕᕐᓂᖏᓗᓐᓃᑦ ᖃᐅᔨᒪᔾᔪᑎᒃᓴᓕᐊᕆᔭᐅᓯᒪᔪᓂᒃ ᓴᕿᑎᑕᐅᓯᒪᕙᒃᑐᑦ, ᖃᐅᔨᒪᔾᔪᑕᐅᖃᑦᑕᖅᑐᑦ ᐃᓚᖏᓐᓂᒃ ᐊᓯᔾᔨᖅᓯᒪᒫᓛᓕᕐᓂᖏᓐᓂᒃ

ᕿᑐᖏᐅᖅᑕᐅᕙᓪᓕᐊᓂᖏᑦ ᐊᒻᒪᓗ ᑐᕐᑯᕋᖅᐸᓪᓕᐊᓂᖏᓂᒃ ᑕᑯᒃᓴᐅᑎᑦᑎᔪᑦ ᐊᒥᓱᓂᖅᓴᐅᔫᕐᑲᑦᑕᖅᑐᓂᒃ ᐃᓚᖓᖅᑕᐅᕙᓪᓕᐊᓂᖏᓐᓄᑦ ᐃᓚᖏᓐᓂᒃ ᐱᑕᕐᕕᐅᕐᓂᒃᓯᒪᖏᑦᑐᓂᒃ ᐱᑕᕐᕕᐅᓯᒪᓗᐊᓕᖅᑐᓂᓗᓐᓂᑦ, ᑭᓯᐊᓂ ᑕᒪᓐᓇ ᐊᑦᑕᕐᓇᕐᓂᖓᑕᐅᖅ ᐊᔾᔨᒃᓴᑐᐃᓐᓇᕆᕙᐅᒃ ᕐᑲᓄᐃᓕᖓᓇᔭᓚᐅᕐᓂᖏᓐᓂᒃ ᐆᒃᑐᕋᕈᑕᐅᕙᖏᔪᓂᒃ ᐊᔾᔨᒌᖏᓐᓇᔭᕐᓂᖏᓐᓂᒃ, ᑕᐃᒃᑯᐊ ᐊᑐᓗᐊᓚᐅᖅᑐᑦ ᐊᑐᖏᓗᐊᓚᐅᖅᑐᓪᓗ ᐱᑕᕈᓐᓇᐅᑎᖏᓐᓂᒃ ᓈᓴᐅᓯᕆᔭᓚᐅᕈᑎᒃ.

- ᐱᐅᓂᖅᓴᓂᒃ ᓇᓚᐅᑦᑖᕈᑎᕐᑲᕈᓐᓇᖅᐸᑕ ᔭᒐᐃᔭᐅᓯᒪᕙᖕᓂᖏᓐᓂᒃ ᓇᓗᓇᖏᓂᖅᓴᐅᓕᕋᔭᖅᑐᑦ ᑕᐃᒃᑯᓂᖓ ᐃᔾᔪᐊᖅᓯᓯᒪᖃᑦᑕᖅᑐᓂᒃ ᓴᕿᑕᐅᕙᒃᑐᓂᒃ ᖃᐅᔨᓴᕈᑎᓂᒃ. ᑕᐃᒃᑯᐊ ᐃᔾᔪᐊᖅᓯᓯᒪᓪᓗᑎᒃ ᓴᕿᑦᑕᐅᕙᒃᑐᑦ ᐃᓚᖃᖃᑦᑕᖏᒻᒪᑦ ᐊᖏᔫᑎᓂᒃ ᓯᑯᒥ ᐊᔪᓕᖅᓯᒪᔾᔪᑎᖃᖃᑦᑕᖅᑐᓂᒃ ᐊᒻᒪᓗ ᑕᐃᒃᑯᓇᖓᑦ ᑐᕐᑯᕋᓕᖃᑦᑕᕐᓂᖏᓐᓂᒃ. ᑕᒪᒃᑯᐊ ᓴᕿᒐᐃᑦᑑᒐᓗᐊᑦ ᐊᒻᒪᓗ ᐅᖃᐅᓯᐅᖃᑦᑖᓂᒃᓯᒪᓪᓗᑎᒃ ᓯᕗᓂᐊᒍᑦ ᖃᐅᔨᓴᖅᑎᓄᑦ ᐅᖃᐅᔾᔨᒋᐊᖅᐅᕙᒃᑐᓄᑦ. ᐅᓂᒃᑳᑦᑎᐊᕐᓂᖅᓴᐅᔪᓂᒃ ᖃᐅᔨᓴᖅᑕᐅᓂᖏᓐᓂᒃ ᐊᒥᓱᓂᖏᓐᓂᒃ ᐱᔾᔪᑎᖃᖅᑐᓂᒃ ᐊᑑᑎᖃᑦᑎᐊᕋᔭᖅᑐᑦ, ᑕᐃᒃᑯᐊ ᓇᓗᓇᕈᓐᓃᖅᑎᑕᐅᓐᓂᕈᑎᒃ ᐊᕙᑎᖏᓐᓂᒃ ᐊᒃᑐᖅᑕᐅᓯᒪᖃᑦᑕᕐᓂᖏᑦ, ᐊᒃᑐᖅᑕᐅᓯᒪᔪᓐᓇᕐᒪᑕ ᑐᒫᓖᑦ ᕿᑐᖏᐅᖅᐸᓪᓕᐊᔪᓐᓇᕐᓂᖏᑦ ᐊᒻᒪᓗ ᑐᖃᕋᖅᐸᓪᓕᐊᖃᑦᑕᕐᓂᖏᓂᒃ ᐊᑐᓕᖃᑦᑕᖅᑐᓂᒃ.

ᓯᕗᓪᓕᖅᐹᒥᒃ ᐅᖃᐅᓯᒃᓴᐃᑦ

ᒫᓐᓇᐅᔪᖅ ᑕᓪᓕᒪᐅᖓᒪᑕ ᐃᓕᑕᕆᔭᐅᓯᒪᓕᖅᑐᑦ ᑐᒫᓕᒃᑕᖃᖃᑕᖅᑐᑦ ᐊᐅᔭᒃᑯᑦ ᑲᓇᑕᐅᑉ ᐅᑭᐅᖅᑕᖅᑑᓂᖓᓂ: ᑰᒐᓇᔫᑉ ᓄᓇᖓᑕ ᐃᒪᖏᓐᓂ, ᓴᓐᓂᕈᑎᐅᑉ ᑐᓄᓂᕈᓯᐅᓪᓗ ᐃᒪᖓ, ᑕᓯᐅᔭᖅ ᐃᓐᓈᓗᒃ ᑲᖏᖅᓯᐊᕐᔪᖕᒥ, ᑲᖕᓇᖕᓇᖅᐸᓯᐊᓂ ᕿᑭᖅᑖᔫᑉ ᐊᒻᒪᓗ ᐅᐊᖕᓇᖅᐸᓯᐊᓂ ᕼᐊᑦᓴᓐᐱᑉ ᑕᓯᐅᔭᕐᔪᐊᖓᓂ. ᐊᖑᓇᓱᒃᑕᐅᔪᓐᓇᕐᓂᖏᑦ ᑕᒪᒃᑯᐊ ᑐᒫᓖᑦ ᐊᐅᓚᑕᐅᖃᑦᑕᖅᑐᑦ ᑕᒪᐃᓐᓂᒃ ᑲᑎᑕᐅᕙᒃᓱᑎᒃ ᐱᑕᖅᑕᐅᔪᓐᓇᖃᑦᑕᕐᓂᐊᖅᑐᑦ ᐋᕿᐅᒪᑎᑕᐅᓂᐊᓕᖅᑐᓂᒃ ᐊᑐᓂ ᑐᒫᓕᒃᑕᖃᕐᕕᐅᔪᓂ, ᑕᓪᓕᒪᓄᑦ ᐊᕐᕋᒍᓄᑦ ᐊᑐᖅᑕᐅᓂᐊᖅᑐᓂᒃ. ᑕᐃᒃᑯᐊ ᑕᒪᐃᓐᓂᒃ ᑲᑎᓪᓗᒋᑦ ᐱᑕᖅᑕᐅᔪᓐᓇᖃᑕᕐᓂᖏᑦ ᑐᖓᕕᖃᖅᐳᑦ ᐱᑕᖅᑕᐅᓯᒪᕝᕕᐅᔪᓐᓇᖃᑦᑕᕐᓂᖏᓐᓂᒃ ᓇᓚᐅᑦᑕᖅᑕᐅᓯᒪᔪᓂᒃ ᐃᓚᖓᖅᑕᐅᓯᒪᕝᕕᐅᔪᓐᓇᕐᓂᖏᓂᒃ ᐊᑐᓂ ᑐᒫᓕᒃᑕᖃᕐᕕᐅᓂᖏᓐᓂ, ᓈᓴᖅᑕᐅᕙᒃᓱᑎᒡᓗ ᑕᐃᒃᑯᐊ ᐊᖑᓇᓱᒃᑕᐅᓂᖏᓐᓂᒃ ᐱᑕᖅᑕᐅᔫᒐᓗᐊᑦ ᐊᓯᐅᔨᔭᐅᖃᑦᑕᕐᓂᖏᑦ. ᒫᓐᓇᐅᔪᖅ ᖃᐅᔨᓴᖅᑕᐅᓂᖏᓐᓂᒃ ᑭᐅᒋᐊᕈᑕᐅᕗᑦ ᑐᒃᓯᕋᐅᑎᓄᑦ ᓄᓇᒥᐅᑕᓂᒃ/ᐃᒪᕐᒥᐅᑕᓂᒡᓗ ᐊᐅᓚᑦᑎᔨᓄᑦ, ᑕᐃᒃᑯᓄᖓᓗ ᐃᓚᒋᔭᐅᓂᖏᓄᑦ ᖃᐅᔨᓴᖅᑕᐅᓯᒪᔪᓂᒃ ᖃᓄᐃᓕᐅᕈᑕᐅᓂᐊᖅᑐᓂᒃ ᐱᑕᖃᐃᓐᓇᕈᓐᓇᕆᐊᖃᕐᓂᖏᓐᓄᑦ (ᑐᒫᓖᒃ) ᐋᕿᒋᐊᖅᑕᐅᔪᓐᓇᖃᑕᖅᑐᓂᒃ ᑕᒪᐃᓐᓂᒃ ᑲᑎᑕᐅᔪᓂᒃ ᐱᑕᖅᑕᐅᑎᑦᑎᖃᑦᑕᕈᑎᒃᓴᖏᓐᓂᒃ ᐋᕿᕙᒃᑐᑦ.

ᐊᐱᕐᑯᑎ 1: ᐊᒥᐊᒃᑯᓯᒪᑦᑎᐊᖃᑦᑕᕐᓂᐊᖅᐸᑦ ᐃᒃᐱᐊᕐᔪᖕᒥᐅᑦ ᒥᑦᑎᒪᑕᓕᖕᒥᐅᓪᓗ ᑭᐳᑎᖃᑦᑕᕈᑎᐊᑐᖅᑕᐅᓯᒪᖏᑐᓂᒃ ᐱᑕᖅᑕᐅᔪᓐᓇᖅᑐᓂᒃ ᐱᑕᖅᓯᒪᓂᓐᖏᑕᖏᓐᓂᒃ ᐅᐱᖓᒃᑯᓪᓗ ᐅᑭᐊᒃᓴᒃᑯᓪᓗ ᑕᕆᐅᒥᐅᑕᓂᒃ ᓇᓪᓕᐊᑐᐃᓐᓇᕐᒧᑦ ᓄᓇᓕᖕᒧᑦ ᓅᑉᐸᓪᓕᐊᓂᖏᓐᓂ (ᐅᐱᖓᒃᑯᑦ/ᐅᑭᐊᓴᒃᑯᑦ) ᑐᒫᓕᒃᓯᐅᕐᓂᖏᓐᓂ? ᑕᐃᒃᑯᓂᖓᑦᓴᐃᓐᓇᖅᑕᐅᖅ ᐊᐱᕆᔭᐅᓚᐅᕐᒥᔪᑦ ᓄᓇᓕᖏᑦ ᕿᑭᖅᑕᕐᔪᐊᕐᒥᓗ ᑲᖏᖅᑐᒐᐱᖕᒥᓗ.

ᐊᐱᕐᑯᑎ 2: ᐊᑐᖅᑕᐅᕐᓂᒃᓯᒪᖏᑦᑐᑦ ᐱᑕᖅᑕᐅᔪᓐᓇᕐᓂᖏᓐᓄᑦ ᑐᒫᓖᑦ ᐊᕐᕋᒍᓂᒃ ᑕᓪᓕᒪᓂᒃ ᐊᑯᓂᐅᓕᖕᒥ:

a. ᐊᑐᒃᑲᓐᓂᕈᓐᓇᕐᑲᑦᑕᕈᑎᒃ 100% ᐳᓴᓐᑎᓂᒃ ᐊᑐᖅᑕᐅᔪᐃᓐᓇᐅᓚᐅᖏᑐᓂᒃ ᐱᑕᖅᑕᐅᔪᓐᓇᕈᑎᖏᓐᓂᒃ ᐊᑕᐅᓯᕐᒥᒃ ᐊᕐᕋᒍᒥᒃ?

b. ᖃᓄᕐᓕ %->ᓴᓐᑎᑎᒍᑦ ᐊᑐᒃᑲᓐᓂᕈᓐᓇᖅᑎᑕᐅᒍᑎᒃ ᐊᑐᐊᓂᒃᓯᒪᖏᑦᑐᓄᒃ ᐊᑕᐅᓯᕐᒧᑦ ᐊᕐᕋᒍᒧᑦ ᐊᒥᐊᒃᑯᓯᒪᑦᑎᐊᕈᑕᐅᔪᓐᓇᖅᐸᑦ?

c. ᖃᓄᕐᓕ %->ᓴᓐᑎᑎᒍᑦ ᐊᒥᓱᕈᖅᐸᓪᓕᐊᔪᑦ ᐊᑐᖅᑕᐅᓯᒪᖏᑦᑐᑦ ᐱᑕᖅᑕᐅᔪᓐᓇᓚᐅᖅᑐᓂᒃ ᐊᒥᐊᒃᑯᓯᒪᑦᑎᐊᕈᑕᐅᔪᓐᓇᖅᐸ ᑭᖑᓂᐊᓂᒃ ᑭᖑᓕᕆᒃᑐᓂᒃ ᐊᕐᕋᓂᖏᒃ (ᑎᑭᓪᓗᒋᑦ ᑕᓪᓕᒪᓄᑦ ᐊᕐᕋᒍᓄᑦ)?

ᐊᐱᕐᑯᑎ 3: ᐅᖓᑕᐅᔾᔨᓯᒪᓂᖅ ᐱᔪᓐᓇᕐᓂᕆᓚᐅᖅᑕᖏᓐᓂᒃ (ᓱᕐᓗ ᐊᑭᓕᒃᓴᖃᕐᓂᖅ) ᑕᓪᓕᒪᓂᒃ ᐊᕐᕋᒍᓂᒃ?

a. ᐊᑐᖃᑦᑕᕐᑯᙱᒃ 100% ᐳᓴᓐᑎᓕᖕᓂᒃ ᓱᕐᓗ ᐊᑐᖅᑐᐊᕈᓐᓇᕐᓂᖅ ᓯᕗᓂᐊᓃᓐᓂᐊᖅᑐᒥᒃ ᐊᑐᒐᒃᓴᕆᓂᐊᖅᑕᖏᓐᓂᒃᒃ ᐊᕐᕋᒍᓂᒃ ᐊᒥᐊᒃᑯᓯᒪᖃᑦᑎᐊᕈᑕᐅᔪᓐᓇᖅᐸᑦ ᐊᑕᐅᓯᕐᓗᑎᒃ ᑕᓪᓕᒪᓂᒃ ᑕᐃᒪᓂᒃ ᐊᕐᕋᒍᓂᒃ?

b. ᖃᓄᖅ %–ᐳᓴᓐᑎᑦᑎᒍᑦ ᐊᑐᖅᑕᐅᕈᓐᓇᕋᔭᖅᐸᑦ ᓄᑖᒥᒃ ᐊᕐᕋᒍᓂᐊᖅᑐᒥᒃ, ᐊᒥᐊᒃᑯᑦᑎᐊᕈᓐᓇᕋᔭᖅᑐᓂᒃ?

c. ᑕᐃᒃᑯᐊ ᑲᑎᕝᕕᒋᑦ ᑕᓪᓕᒪᓂᒃ ᑭᖑᓕᕆᒃᑐᓂ ᑲᑎᕝᕕᒋᑦ ᑕᒪᕐᒥᒃ ᐱᑕᖅᑕᐅᔪᓐᓇᖃᑦᑕᖅᑐᑦ ᐊᕐᕋᒍᑕᒫᖅ, ᑕᓪᓕᒪᐅᓇᔭᖅᑐᓂ ᐊᕐᕋᒍᓂᒃ ᐊᑯᓂᐅᓂᓕᖏ, ᖃᓄᑐᐃᓐᓇᖅ ᐊᖑᓇᓱᒃᑎᑦ ᓂᕈᐊᖅᑕᖏᓐᓂᒃ ᐊᑐᕈᒪᓂᖅ, ᑕᐃᒃᑯᐊ ᑕᒪᕐᒥᒃ ᑲᑎᕝᕕᒋᑦ ᑕᓪᓕᒪᓂᒃ ᐊᕐᕋᒍᓂᒃ ᐱᑕᖅᑕᐅᖃᑦᑕᕐᓂᖏᑦ ᐅᖓᑕᐅᔾᔨᖏᑐᐊᕈᑎᒃ ᖄᖏᐅᑎᖏᕝᕕᒋᑦ ᑕᒪᐃᓐᓂᒃ ᑲᑎᑕᐅᓯᒪᔪᓂ ᐱᑕᖅᑕᐅᔪᓇᖅᑐᓂᒃ?

ᐊᐱᕐᑯᑎ 4: ᖃᓄᖅ ᐊᒥᐊᒃᑯᓇᖅᑎᒋᓇᔭᖅᐸᑦ ᐱᑕᖅᑕᐅᔪᓐᓇᖃᑦᑕᕐᓂᐊᕈᑎᒃ ᑕᓪᓕᒪᐃᖅᑕᖅᓯᒪᔪᓂᒃ ᐊᒥᓲᓂᖃᖅᑎᒋᔪᓂᒃ ᑕᐃᒃᑯᐊ ᐱᑕᖅᑕᐅᖃᑦᑕᕈᑎᓂᒃ ᑕᒪᕐᒥᒃ ᑲᑎᕝᕕᒋᑦ ᐱᑕᖅᑕᐅᔪᓐᓇᖃᑦᑕᕐᓂᖏᑦ, ᐊᑐᖅᑕᐅᓇᔭᖅᐸᑦ ᓇᓪᓕᐊᖕᓂᑐᐃᓐᓇᖅ ᐊᕐᕋᒍᒥ, ᐃᓗᐊᓂ ᑕᓪᓕᒪᐅᑎᐅᔪᓂᒃ ᐊᕐᕋᒍᓂᒃ ᐊᑯᓂᐅᓂᖃᖅᑎᑕᐅᔪᓂᒃ?

ᖃᐅᔨᓴᖅᑕᐅᓯᒪᓂᖏᑦ

ᐊᐱᕐᑯᑎ 1: ᑕᒪᓐᓇ ᐊᐱᕐᑯᑕᐅᔪᖅ ᐅᖃᐅᓯᐅᖃᑦᑕᓚᐅᖅᑐᖅ ᓯᕗᓂᐊᒍᑦ ᖃᐅᔨᓴᖅᑎᓄᑦ ᐅᖃᐅᔾᔨᒋᐊᖅᑎᓄᑦ (ᓇᑦᓱ Richard 2011). ᓇᐃᓈᖅᓱᒋᑦ ᐅᓂᒃᑳᕐᓗᒋᑦ, ᒪᕐᕈᖕᓂᒃ ᓄᓇᓖᖕᓂᒃ ᐊᐱᕐᑯᑕᐅᔪᓂᒃ,

a. ᐃᒃᐱᐊᕐᔪᓂ ᐊᒻᒪᓗ ᒥᑦᑎᒪᑕᓕᖕᒥ, ᐅᕝᕙᓗᓐᓃᑦ

b. ᑲᖏᖅᑐᒫᐲᖕᒥ ᐊᒻᒪᓗ ᕿᑭᖅᑕᕐᔪᐸᓂ, ᐊᖑᓇᓱᖃᑕᕐᒪᑕ ᑕᐃᒃᑯᓂᖓᑦᓴᐃᓐᓇᖅ ᑑᒐᓕᖕᓂᒃ ᐅᐱᖓᑯᓪᓗ ᐅᑭᐊᒃᓵᒃᑯᓪᓗ, ᑕᐃᒪᐃᓐᓂᖏᓄᓪᓗ ᐱᑕᖅᓯᕙᒃᑯᑦ ᑕᐃᒃᑯᓇᖓᑦᓴᐃᓐᓇᖅ ᑕᒪᐃᓐᓂᒃ ᑲᑎᕝᕕᒋᑦ ᐱᑕᕐᕕᐅᔪᓐᓇᖅᑎᑕᐅᔪᓂᒃ.

ᑕᐃᒪᐃᓂᖏᓐᓄᑦ, ᐱᑕᖅᑕᐅᔪᓐᓇᐅᑎᖏᑦ ᓈᑕᐅᔪᓐᓇᖃᑦᑕᖅᑐᑦ ᐃᒃᐱᐊᕐᔪᖕᓂᒃ ᒥᑦᑎᒪᑕᓕᖕᒥᓗ ᐅᕝᕙᓗᓐᓃᑦ ᑲᖏᖅᑐᒫᐲᖕᒥᒃ ᐊᒻᒪᓗ ᕿᑭᖅᑕᕐᔪᐊᕐᓂᒃ, ᐊᑐᕈᓐᓃᖅᑎᑕᐅᓯᒪᒐᑎᒃ ᓯᕗᓂᐊᒍᑦ ᐅᖃᐅᔾᔨᒋᐊᕈᑕᐅᓯᒪᓚᐅᖅᑐᑦ ᐊᒥᐊᒃᑯᓯᒪᑦᑎᐊᖃᑦᑕᓇᐊᖃᕐᓂᖏᓐᓂᒃ ᑕᐃᒃᑯᓇᓂ ᑐᕐᑰᑦᑎᕙᐅᕙᓪᓕᐊᓯᒪᔪᓂ.

ᐊᒥᐊᒃᑯᑦ ᓯᑕᒪᐃᑦ ᐊᐱᕐᑯᑏᑦ ᓄᑖᓂᒃ ᖃᐅᔨᓴᖅᑕᐅᔭᕆᐊᖃᓚᐅᖅᑐᑦ. ᐊᑐᓚᐅᖅᑐᑦ ᐊᔾᔨᒌᖏᓂᖏᓐᓂᒃ Wade ᐅᐃᑦ ᖃᐅᔨᓴᕈᓯᕆᕙᓚᐅᖅᑕᖏᓐᓂᒃ 1998-ᒥ, ᐱᑕᖃᑦᑎᐊᕐᓂᖏᓐᓂᒃ ᐆᒃᑐᕋᕈᑕᐅᖃᑦᑕᓚᐅᖅᑐᓂᒃ, ᑕᐃᒃᑯᐊ ᐃᓚᖏᑦ ᐱᑕᖅᑕᐅᓯᒪᖏᓐᓂᖏᑦ ᐱᑕᖅᑕᐅᔪᓐᓇᖅᑐᓂᒃ ᐊᑐᖅᑕᐅᒃᑲᓐᓂᕈᓐᓇᖃᑦᑕᓚᐅᕐᓂᖏᓐᓂᒃ ᓄᑖᒥᒃ ᐊᕐᕋᒍᒥ, ᐱᑕᖅᓯᒪᖏᓗᐊᓚᐅᕐᓂᖏᓐᓄᑦ ᑕᐃᑲᓂ ᐊᕐᕋᒍᒥ ᐊᒥᐊᑯᖃᓕᖅᑐᓂᒃ ᐅᕝᕙᓗᓐᓃᑦ ᐊᑐᖅᑐᐊᕐᕕᐅᓯᒪᓚᐅᖅᑐᓂᒃ ᓄᑖᖑᓂᐊᕐᒥᔪᒥ ᐊᕐᕋᒍᒥ, ᐱᑕᖅᑕᐅᓚᐅᖅᑐᑦ ᐊᕐᕋᒍᒥᒃ

ᐊᒥᓲᓂᖅᓴᐅᓐᓂᓚᐅᕈᑎᒃ ᐊᕐᕋᒍᑕᒫᖅ ᐊᒧᓯᕕᐅᔪᓐᓇᖅᑎᑕᐅᕙᒃᑐᓂᒃ. ᐊᒥᓱᒐᓴᖕᓂᒃ ᖃᓄᐃᓇᔭᖑᐊᖅᑐᓂᒃ ᐃᔾᔪᐊᖅᓯᓯᒪᓚᐅᕐᒪᑕ ᑐᑭᓕᐅᕈᑕᐅᓯᒪᔪᓂᒃ ᓇᓚᐅᑦᑖᖅᑕᐅᓪᓗᑎᒃ 100-ᖑᓇᔭᖅᑐᓄᑦ ᐊᕐᕋᒍᓄᑦ, ᒪᓕᒃᑕᐅᓪᓗᑎᒃ Wade ᐅᐃᑦ ᖃᐅᔨᓴᕈᑎᖏᑦ, ᐱᒋᐊᕐᕕᖃᖅᓱᑎᒃ ᐊᒥᓲᓂᖃᖅᑐᓂᒃ 5,000-ᓂᒃ 15,000-ᓄᑦ, ᐊᒻᒪᓗ ᐊᒥᓱᕈᖅᐸᓪᓕᐊᔪᓐᓇᕐᓂᖏᓐᓂᒃ 0.5-ᓂᒃ 1-ᒧᑦ. ᐃᓗᓕᖏᑦ ᒪᓕᒃᑐᑦ ᐅᓂᒃᑳᖅᑕᐅᓯᒪᔪᓂᒃ ᓇᑦᓱᑦᒧᓪᓗ ᓴᖕᒧᓪᓗ 2015-ᒥ.

ᑕᒪᐃᓐᓂᒃ, ᐅᖓᖃᓃᓚᐅᖅᑐᑦ 95% ᐳᓴᓐᑎᑦ ᓇᓚᐅᑦᑖᖅᑕᐅᓯᒪᔪᓂᒃ ᐊᒥᓲᓂᒃᓴᖏᓐᓂᒃ ᑎᑭᐅᒪᓚᐅᖅᑐᑦ ᐅᖓᑕᓃᓐᓂᖅ ᑕᒪᐃᓐᓂᒃ ᐊᒥᓲᓂᖅᐹᖑᔪᓐᓇᕐᓂᖏᓐᓂᑦ ᐱᑕᖅᕕᐅᓯᒪᓪᓗᑎᒃ ᐱᑕᖃᕋᔭᕐᓂᖏᓐᓂᒃ. ᓴᕿᑕᐅᓚᐅᖅᑐᑦ ᑕᒪᒃᑯᓇᖓᑦ ᐃᔾᔪᐊᖅᓯᓯᒪᔪᓂᒃ ᐋᕿᒋᐊᕈᓐᓇᕋᔭᖅᑐᓂᒃ ᐱᑕᖅᑕᐅᑎᑦᑎᔪᓐᓇᖃᑦᑕᓂᕐᒧᑦ ᐃᓱᖃᖅᑎᑦᑎᓂᖅ ᐊᓯᖑᕈᑕᐅᓗᐊᓚᐅᖏᑦᑐᖅ ᑕᐃᒃᑯᓇᖓᑦ ᓯᕗᓂᐊᓃᒍᑦ ᐊᑐᖅᑕᐅᕙᓚᐅᖅᑐᓂᒃ, ᐊᑐᖅᑕᐅᒃᑲᓐᓂᖃᖅᑕᓚᐅᖏᑦᑐᓂᒃ ᐅᕝᕙᓗᓐᓂᑦ ᓲᕐᓗ ᐋᑐᖅᑐᐊᕐᕕᐅᕙᓚᐅᖏᑦᑐᓂᒃ.

ᑕᐃᒃᑯᐊᓴᐃᓐᓇᐃᑦ ᐃᔾᔪᐊᖅᓯᓯᒪᔪᑦ ᐊᑐᖅᑕᐅᖑᐊᓚᐅᕐᒥᔪᑦ ᐃᓚᔭᐅᓯᒪᔪᖃᓕᖅᓱᑎᒃ ᑕᒻᒪᖅᑕᕈᑕᐅᔪᓐᓇᕐᓂᖏᓂᒃ, ᓲᕐᓗ ᐊᔾᔨᒌᖏᑦᑐᓂᒃ ᐊᒥᓲᓂᖃᕐᓂᕋᐃᔪᓂᒃ (ᓇᑦᓱᒃᑯᒃ ᔭᖑᑯᒃ ᖃᐅᔨᓴᕈᑎᖏ 2015-ᒥ). ᑕᒪᓐᓇ ᑕᒻᒪᕈᑕᐅᓯᒪᔪᓐᓇᕐᓂᖓᑦ, ᐋᕿᐅᒪᑎᑕᐅᖑᐊᓚᐅᖅᑐᖅ 0.05-ᒥᒃ, ᓴᕿᐅᒪᑎᑦᑎᓚᐅᖅᑐᖅ ᓱᓕᔪᓇᔭᑦᑎᓐᓂᒃ ᑐᒐᓖᑦᑦ ᐊᓯᔾᔨᕈᑕᓗᐊᖅᐸᖏᓂᖏᓐᓂᒃ ᐊᒥᓲᓂᖏᓐᓂᒃ, ᓴᕿᑦᑎᓗᑕᐅᓚᐅᖅᑐᑦ ᐊᒥᓲᓂᖅᓴᓂᒃ ᐊᔾᔨᖏᑦᑐᓐᓇᕐᓂᖏᓐᓂᒃ ᐊᑐᖅᑕᐅᒃᑭᓐᓇᕐᓂᖏᓐᓄᑦ ᐅᕝᕙᓗᓐᓃᑦ ᐊᑐᕐᕕᐊᔪᓐᓇᕐᓂᖏᓄᑦ ᐱᑕᖅᑕᐅᔪᓐᓇᕐᓂᖏᑦ ᖃᓄᐃᓕᖓᓇᔭᖑᐊᖅᑐᓂᒃ ᐊᓯᖏᓐᓂᒃ, ᑭᓯᐊᓂ ᓴᕿᑕᐅᓯᒪᔪᑦ ᐱᐅᖏᓐᓂᒻᓴᐅᓗᐊᓚᐅᖏᒻᒥᔪᑦ ᓴᓂᐊᓂᒃ ᑕᐃᒃᑯᓇᖓᑦ ᐃᔾᔪᐊᖅᑕᐅᓯᒪᓚᐅᖅᑐᓂᒃ ᐊᑐᒃᑲᓐᓂᖅᑕᐅᖏᑦᑐᓂᒃ ᐅᕝᕙᓗᓐᓃᑦ ᐊᑐᖅᑐᐊᕐᕕᐅᓯᒪᖏᑦᑐᓂᒃ ᐱᑕᖅᑕᐅᔪᓐᓇᖅᑐᓂᒃ.

ᑕᒪᒃᑯᐊ ᓴᕿᓯᒪᔪᑦ ᓇᓗᓇᐃᖅᓯᓯᒪᓕᖅᑐᑦ ᑕᐃᒃᑯᓂᖓ ᐋᕿᒋᐊᖅᑕᐅᔪᓐᓇᖃᑕᖅᑐᓂᒃ ᑕᒪᐃᓐᓂᒃ ᑲᑎᑦᓗᒋᑦ ᐱᑕᖅᑕᐅᔪᓐᓇᖅᑐᓂᒃ ᐊᒥᐊᒃᑯᖃᕈᑕᐅᑦᑎᐊᕈᓐᓇᖅᑐᑦ, ᖄᖏᐅᑎᓯᒪᖏᑐᐊᕈᑎᒃ ᐱᑕᖅᑕᐅᔪᓐᓇᖅᑎᑕᐅᓂᖏᓐᓂᒃ ᑕᓕᒪᓂᒃ ᐊᕐᕋᒍᓂᒃ, ᑕᐃᑯᓇᖓᑦ ᑕᓪᓕᒪᓂᒃ ᐊᕐᕋᒍᓂᒃ ᑐᕐᑰᑦᑎᕕᐅᔪᓐᓇᖃᑕᕐᓂᖏᓐᓂᒃ. ᐃᔾᔪᐊᖅᑕᐅᓯᒪᔪᓂᒃ ᓴᕿᑎᑕᐅᓯᒪᖏᔪᑦ ᓴᕿᑎᑦᑎᓚᐅᕐᒥᔪᑦ ᐊᕿᐅᒪᑎᑦᑏᓐᓇᕐᓂᖅ ᐱᑕᖅᑕᐅᔪᓐᓇᑐᓂᒃ ᐱᒻᒪᕆᐅᕙᖏᑦᑐᖅ ᐊᒥᐊᒃᑯᖃᐃᓐᓇᕋᓱᐊᕐᓂᒃᒥᒃ ᐊᑐᑐᖅᐊᕈᓐᓇᖃᑕᕈᑎᒃ ᐅᕝᕙᓗᓐᓃ ᐊᑐᒃᑲᓐᓂᕈᓐᓇᖃᑦᑕᕐᓂᖏᓐᓂᒃ ᐱᑕᖅᑕᐅᔪᓐᓇᖅᑎᑕᐅᕙᒃᑐᓂᒃ.

ᓇᐅᒃᑯᑦ ᓇᓗᓇᕐᓂᖏᑦ

ᕐᑯᓛᓃᑦᑐᑦ ᑐᑭᑖᕆᔭᐅᓯᒪᔪᑦ ᑐᖓᕕᖃᖅᐳᑦ ᐃᔾᔪᐊᖅᑕᐅᓯᒪᔪᓂᒃ ᐊᑐᖅᑕᐅᔪᓐᓇᖅᑐᓂᒃ ᐃᓚᖃᖅᑐᓂᒃ ᐱᒻᒪᕆᐅᑎᐅᔪᓂᒃ ᑕᐃᒪᐃᓕᖓᓇᓱᒋᒃᑎᑐᐃᓐᓇᕐᓂᕐᒥᒃ ᐃᓚᖏᓐᓂᒃ. ᓯᕗᓪᓕᕐᒥ ᐱᔾᔪᑎᖃᖅᑐᑦ ᑕᒪᕐᒥᒃ ᑲᑎᑦᓗᒋᑦ ᐱᑕᖅᑕᐅᔪᓐᓇᕐᓂᖏᑦ ᑕᐃᒪᖓᑦ ᐃᓚᐃᓈᐱᒋᕙᒃᑕᖏᑦ ᑐᕐᑯᑕᐅᖃᑕᕐᓂᖏᓐᓂᒃ, ᓲᕐᓗ ᐆᒃᑑᑎᒋᓗᒍ, ᐊᖑᔭᐅᖃᑦᑕᕐᓂᖏᑦ ᐱᑕᖅᑕᐅᖃᑕᕐᓂᖏᑦ ᑕᐃᒪᐃᖏᓐᓇᕐᒪᑕ, ᐊᔾᔨᑐᐃᓐᓇᑲᓴᒋᓗᓂᒋᑦ ᐊᑐᖅᑕᐅᓯᒪᓂᖏᓐᓂᒃ ᑕᒪᐃᓐᓂᒃ ᑲᑎᑦᓗᒋᑦ ᐱᑕᖅᑕᐅᔪᓐᓇᕐᓂᖏᓐᓂᒃ ᐅᖃᐅᔭᔭᐅᒋᐊᕈᑕᐅᓚᐅᖅᑐᓂᒃ ᑐᒫᓕᖕᓂᒃ ᐱᑕᖅᑕᐅᔪᒃᓴᓂᒃ (0.28-ᓂᒃ, ᓇᑦᓱᑦᒥᖕᒫᖅᑐᑦ 2008-ᒥ). ᐊᖑᓇᓱᒃᑕᐅᓪᓗᑎᒃ ᔭᒐᐃᔭᐅᖃᑕᕐᓂᖏᑦ ᓲᓕᔪᒥᒃ ᐊᔾᔨᒌᖃᑦᑕᖏᑦᑐᑦ, ᐊᕐᕋᒍᒥ ᖃᖓᖑᕖᖓᑦ, ᐊᑐᕐᓂᖏᓐᓄᓪᓗ ᐊᔾᔨᒌᖏᑦᑐᓂᒃ ᐊᖑᓇᓱᒍᑎᓂᒃ. ᒪᒥᐊᓇᖅᐳᖅ ᑕᐃᒪ, ᓈᒻᒪᖏᐊᓗᐊᖅᑐᓂᒃ ᐱᑕᖃᕐᒪᑕ ᑐᑭᓕᐅᕈᓐᓇᕐᓂᖅ ᑕᐃᒃᑯᓂᖓ ᐊᔾᔨᒌᖃᑦᑕᖏᓐᓂᖏᓐᓂᒃ, ᐊᒻᒪᓗ ᐊᑐᓕᖅᑕᐅᔪᓐᓇᕐᓂᖅ ᐃᔾᔪᐊᖅᑕᐅᓯᒪᔪᓂᒃ ᑐᑭᓯᓂᐊᕈᑕᐅᕙᒃᑐᓂᒃ. ᑕᐃᒪᐃᒃᑲᓗᐊᖅᑎᓪᓗᒍ, ᑐᕐᑯᑕᐅᕝᕕᐅᔪᓐᓇᖃᑕᕐᓂᖏᑦ (ᐱᑕᖅᑕᐅᖃᑕᕐᓂᖏᑦ) ᑕᑯᒃᓴᐅᑎᑦᑎᓯᒪᔪᑦ ᓈᒻᒪᑦᑎᐊᕐᓂᖏᓐᓂᒃ ᐊᒥᓲᖃᑦᑕᖏᓂᖏᓐᓄᓪᓗ ᑕᐃᒃᑯᐊ ᑐᕐᑯᑕᐅᑐᐃᓐᓇᖅᓯᒪᕙᒃᑐᑦ ᐱᔭᕐᑯᑕᐅᖏᑦᑐᓂᒃ. (Wade ᐅᐃᑦ 1998).

ᑐᒡᓕᕐᒥ, ᐃᓱᒪᒋᔭᐅᓯᒪᑐᐃᓐᓇᖅᐳᑦ ᐃᓄᖕᓄᑦ ᑐᒫᓖᑦ ᑐᕐᑯᑕᐅᓯᒪᖃᑕᕐᓂᖏᑦ ᐊᓯᖏᓐᓂᒃ ᑕᐃᒃᑯᓇᖓᑦ ᑲᑎᑦᓗᒋᑦ ᓄᓈᖅᑕᐅᓯᒪᖃᑕᕐᓂᖏᓂᒃ ᐊᒻᒪᓗ ᐱᑕᖅᑕᐅᓇᓱᒃᑐᓂᒃ ᐱᔭᐅᔪᓐᓇᓚᐅᖏᓐᓂᖏᓐᓂᒃ ᐊᖏᔫᖏᒻᒪᑕ ᐊᔾᔨᒌᖏᓐᓂᖏᑦ. ᐱᔾᔪᑎᒃᓴᖃᖏᑦᑐᒍᑦ ᐅᒃᐱᓇᔭᖃᓇᐊᖃᕐᓂᖅ ᐊᓯᖏᓐᓂᒃ, ᒫᓐᓇᐅᔪᖅ.

ᐱᖓᔪᐊᓐᓂ, ᐃᓱᒪᒋᔭᐅᑐᐃᓐᓇᕆᕗᑦ ᐋᕿᒋᐊᖅᑕᐅᔪᓐᓇᕐᓂᖏᑦ ᐱᑕᖅᑕᐅᔪᓐᓇᕐᓂᖏᓐᓂᒃ ᐃᓱᖃᖅᑎᑦᑎᓂᖅ ᒪᓕᒃᑕᐅᔪᐃᓐᓇᐅᖃᑕᕐᒪᑕ ᑕᐃᒃᑯᐊᓗ ᓄᓈᖅᑕᐅᓯᒪᓕᖅᑐᑦ ᐅᖃᐅᓯᐅᑦᑎᐊᖃᑦᑕᖅᓱᑎᒃ ᓱᓕᔪᒥᒃ, ᐊᑐᓕᖅᑎᑕᐅᓂᖏᓐᓄᑦ ᑕᒻᒪᒻᑕᖅᓯᒪᔪᖃᖃᑦᑕᖏᓂᖅ. ᒫᓐᓇᐅᔪᖅ ᐱᔾᔪᑎᒃᓴᖃᖅᑐᔾᖏᑦᑎᐊᕋᑦᑕ ᑕᐃᒃᑯᓂᖓ ᑐᒫᓖᑦ ᐱᑕᖅᑕᐅᕙᖏᓂᑦ ᓱᓕᖏᑦᑐᓂᒃ ᐅᑲᐅᓯᐅᕙᖏᓐᓂᖏᓐᓂᒃ, ᐃᖏᒧᖅᑐᓂᒃ ᑭᓯᐊᓂ ᖃᐅᔨᓴᖅᑕᐅᓯᒪᖏᑦᑐᑦ ᑕᒪᒃᑯᐊ ᓱᓕᔪᓪᓚᕆᐅᓇᔭᖓᒪᖓᑕ ᑐᑭᓕᐅᑕᐅᔪᓐᓇᕐᓂᕐᒧᑦ. ᐃᒻᒪᕐᑳ ᑕᒪᓐᓇ ᐃᓱᒪᓘᑖᐅᔪᖅ ᐊᑑᑎᖃᓗᐊᖏᑦᑐᖅ, ᑕᐃᒃᑯᐊ ᖃᐅᔨᔭᐅᓯᒪᓕᖅᑐᑦ ᑐᒫᓖᑦ ᐱᑕᖅᑕᐅᓯᒪᓂᖏᓂᖏᓐᓂᒃ ᑐᑭᓯᓇᕐᒪᑕ ᑕᐃᒃᑯᐊ ᓄᓈᖅᑕᐅᓂᑰᔪᑦ ᑐᕐᑯᖓᔪᑦ ᑕᒪᐃᓐᓂᒃᓴᕐᑎᐊᖅ, ᐊᒥᓲᖏᓐᓂᖅᓴᐅᖃᑦᑕᐃᓐᓇᕐᒪᑕ ᑕᐃᒃᑯᓇᖓᑦ ᑕᒪᐃᓐᓂᒃ ᑲᑎᑦᓗᒋᑦ ᐱᑕᖅᑕᐅᔪᓐᓇᖃᑦᑕᕐᓂᖏᓐᓂᒃ ᐱᑕᖅᑕᐅᓯᒪᔪᓂᒃ.

ᑕᐃᒃᑯᐊ ᐃᔾᔪᐊᒐᒃᓴᐃᑦ ᐃᓚᖃᓲᖑᖏᒻᒥᔪᑦ ᑕᐃᒃᑯᓂᖓ ᓯᑯᒃᑯᑦ ᐊᔪᓕᖅᓯᒪᖃᑦᑕᖅᑐᓂᒃ, ᐊᒻᒪᓗ ᐃᓚᖃᖏᒻᒥᔪᑦ ᐊᕙᑎᒥᒃ ᐱᐅᖏᑦᑐᒥᒃ ᐊᒃᑐᖅᑕᐅᓯᒪᔪᓐᓇᕐᓂᖏᓐᓂᒃ ᕿᑐᖏᐅᖅᑕᐅᕙᓪᓕᐊᓂᖏᑦ ᐊᒻᒪᓗ ᑐᕐᑯᕋᖅᐸᓪᓕᐊᕙᖕᓂᖏᑦ ᐱᑕᖃᕐᓂᖏᓐᓂᒃ ᑐᒫᓖᑦ. ᐊᖏᔫᑎᐅᓪᓗᑎᒃ ᓱᒃᑯᒃᑯᑦ ᐊᔪᓕᖅᓯᒪᕝᕕᐅᕙᒃᑐᑦ ᐱᑕᖃᕋᔪᖏᒻᒪᑕ, ᑭᓯᐊᓂ ᐱᒻᒪᕆᐊᓗᖏᒃ ᕿᓚᒥᐅᔪᓄᑦ ᐊᒃᑐᖅᑕᐅᓯᒪᔾᔪᑕᐅᔪᓐᓇᖅᑐᑦ ᐊᒥᓲᑎᒋᓂᖏᓐᓄᑦ. ᖃᐅᔨᓴᖅᑎᓂᒃ ᐅᖃᐅᔾᔨᒋᐊᖅᑎᓂᒃ ᐅᖃᐅᓯᐅᓯᒪᓂᖓ ᐊᑕᐅᓯᖅᖅ ᐊᔪᓕᕐᕕᐅᓯᒪᓚᐅᖅᑐᖅ ᓇᓂᔭᐅᔪᓐᓇᖅᑐᖅ ᐃᖃᓗᓕᕆᔨᒃᑯᓐᓂᒃ (2012-ᒥᒃ ᐅᓂᒃᑳᓕᐊᕕᓂᕐᓂᒃ). ᐊᕙᑎᖓᓂᒃ ᐊᒃᑐᖅᑕᐅᔪᓐᓇᕐᓂᖏᑦ ᕿᑐᖏᐅᖅᐸᓪᓕᐊᓂᖏᓐᓄᑦ ᐊᒻᒪᓗ ᑐᕐᑯᕋᕈᑕᐅᕙᓪᓕᐊᔪᑦ ᖃᐅᔨᒪᔭᐅᖏᑲᓚᐅᕐᒪᑕ ᒫᓐᓇᐅᔪᖅ, ᑭᓯᐊᓂ ᓴᕿᐅᒪᔪᖃᕈᒫᖅᑐᒃᓴᐅᒋᕗᖅ ᐊᑯᓂᐅᓂᐊᖅᑐᒧᑦ ᐱᐅᔪᓐᓃᕈᑕᐅᔪᓐᓇᖅᑐᓂᒃ, ᐊᒻᒪᓗ ᐅᓂᒃᑲᑎᐊᖅᓯᒪᔪᓂᒃ ᖃᐅᔨᓴᖅᑕᐅᔭᕆᐊᖃᔭᖅᓱᑎᒃ ᐊᒥᓲᓂᖏᑦ ᑐᒫᓖᑦ ᑕᐃᒪᐃᓕᖓᔪᓕᖃᓕᕋᔭᖅᐸᑦ.

ᐃᓱᐊᓂᒃ ᑐᑭᑕᕈᑏᑦ

ᑕᒪᒃᑯᐊ ᓴᕿᑎᑕᐅᓯᒪᓕᖅᑐᑦ ᐱᔫᒥᓴᒍᑕᐅᕗᑦ ᐊᑐᓕᖅᑎᑦᑎᔪᓐᓇᕐᓂᖅ ᐋᕿᒋᐊᖅᑕᐅᔪᓐᓇᖃᑕᕐᓂᐊᖅᑐᓂᒃ ᑕᒪᐃᓐᓂᒃ ᑲᑎᑦᓗᒋᑦ ᐱᑕᖅᑕᐅᔪᓐᓇᐅᑎᖃᖅᑎᑦᑎᕙᖕᓂᖅ, ᐅᓗᕆᐊᓇᕈᑕᐅᒃᑲᓐᓂᖏᓐᓂᖏᓐᓄᑦ ᒫᓐᓇᐅᔪᖅ ᐊᒥᓲᓂᖏᓐᓂᒃ ᐱᑕᖃᕐᓂᖏᓐᓄᑦᓗᓐᓃᑦ ᑐᒫᓖᑦ ᐊᑐᓕᖅᑎᑕᐅᒐᓗᐊᕈᑎᒃ. ᐊᑐᓕᖅᑎᑕᐅᓇᔭᕈᑎᒃ, ᑕᑦᓕᒪᓄᑦ ᐊᕐᕋᒍᓄᑦ ᓄᓈᖅᑕᐅᓯᒪᔪᖃᑦᑕᕐᓂᖏᑦ ᐅᖓᑕᓃᑦᑕᕆᐊᖃᕐᓂᖏᓚᑦ ᑕᑦᓕᒪᐃᓕᖅᑕᖅᓯᒪᑎᒋᒍᓂᒃ ᐊᕐᕋᒍᑕᒫᖅ, ᑕᒪᐃᓐᓂᒃ ᑲᑎᑦᓗᒋᑦ ᐱᑕᖅᑕᐅᕕᐅᔪᓐᓇᕐᓂᖏᓐᓂᒃ, ᐊᑐᓂ ᑐᒫᓕᒃᑕᖃᕐᕕᐅᓂᖏᓐᓂ ᐃᒪᕐᓂ.

ᑐᑭᓯᓂᐊᕐᕕᐅᓯᒪᓂᖏᑦ

ᖃᐅᔨᓴᖅᑎᓂᒃ ᐅᖃᐅᔾᔨᒋᐊᖅᑏᑦ ᐅᓂᒃᑳᓕᐊᖏᑦ ᐱᓯᒪᔪᑦ ᐊᒃᑑᐱᕆ 20-24-ᒥᒃ, 2014-□, ᐊᕐᕋᒍᑕᒫᖅ ᑲᑎᒪᓂᖏᓐᓂᒃ ᑲᓇᑕᓕᒫᒥ ᑕᕆᐅᕐᒥᐅᑕᓂᒃ ᐳᐃᔨᓂᒃ ᕿᒥᕐᕈᐊᖅᑏᑦ ᑲᑎᒪᔨᕋᓛᖏᑦ. ᐊᓯᒃᑲᓐᓂᖏᑦ ᐅᖃᓕᒫᒐᓕᐊᖑᓯᒪᔪᑦ ᑕᐃᒃᑯᓇᖓᑦ ᑲᑎᒪᓂᕆᔭᐅᓚᐅᖅᑐᓂᒃ ᓴᕿᑎᑕᐅᓯᒪᓂᐊᖅᑐᑦ ᐃᖃᓗᓕᕆᔨᕐᔪᐊᒃᑯᑦ ᖃᕆᑕᐅᔭᒃᑯᑦ ᑕᑯᓂᐊᖅᑕᐅᕝᕕᖓᓐᓂ ᐅᕙᓂ Fisheries and Oceans Canada (DFO) Science Advisory Schedule ᐊᑐᐃᓐᓇᐅᓕᑐᐊᕈᑎᒃ.

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ᑕᒃᑯᐊ ᐅᓂᒃᑳᓕᐊᑦ ᐊᑐᐃᓐᓇᐅᖕᒥᔪᑦ ᐅᕙᖓᑦ:

ᐱᓕᕆᕕᒡᔪᐊᖓᓐᓂᒃ ᖃᐅᔨᓴᖅᑎᓄᑦ ᐅᖃᐅᔾᔨᒋᐊᖅᑏᑦ (CSA)
ᕿᑎᖅᐸᓯᐊᓂ ᐊᒻᒪᓗ ᐅᑭᐅᖅᑕᖅᑑᑉ ᐊᕕᒃᑐᖅᓯᒪᓂᖏᓐᓂ ᑲᓇᑕᐅᑉ
ᐃᖃᓗᓕᕆᔨᕐᔪᐊᒃᑯᑦ ᑕᕆᐅᕐᒥᐅᑕᓕᕆᔩᓪᓗ ᑲᓇᑕᒥ
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ᑎᑭᓴᐃᓂᕐᒧᑦ ᐅᑯᐊ ᐊᑕᓖᑦᑐᑦ ᑎᑎᖃᐃᑦ ᐊᑐᖅᑕᐅᓇᔭᖅᐳᑦ:

ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᑦ. 2015. ᐊᑐᖅᑕᐅᔪᓐᓇᕐᓂᖏᑦ ᐋᕿᑭᐊᖅᑕᐅᔪᓐᓇᖃᑦᑕᕐᓗᑎᒃ ᑕᒪᐃᓐᓂᒃ ᑲᑎᑦᓗᒋᑦ ᐊᕐᕋᒍᑕᒫᖅ ᑐᒐᓖᑦ ᐱᑕᖅᑕᐅᔪᓐᓇᕐᓂᖏᓐᓄᑦ (ᖃᐅᔨᓴᖅᑎᖏᓐᓄᑦ ᑕᐃᔭᐅᔪᑦ ᓛᑎᓐᑎᑐᑦ *Monodon monoceros*). DFO Can. Sci. Advis. Sec. Sci. Advis. Rep. 2015/006.

Also available in English:

DFO. 2015. Sustainability of a flexible system of total allowable annual catches of narwhals (Monodon monoceros). DFO Can. Sci. Advis. Sec. Sci. Advis. Rep. 2015/006.

Aussi disponible en français :

MPO. 2015. La durabilité d'un système de limites flexibles de captures de narvals (Monodon monoceros). Secr. can. de consult. sci. du MPO, Avis sci. 2014/006.

ᐅᐃᒍᖓ 5 - ᓂᕕᖓᑖᓂᒃ ᑕᐅᖅᓱᓂᕐᒧᑦ ᐊᑐᐊᒐᑦ – ᓯᕗᓪᓕᐅᑎᑕᐅᔪᑦ

ᓯᕗᓪᓕᐅᑎᑕᐅᔪᑦ [1]: ᐳᐃᓗᒃ ᓄᕕᖓᑖᓂᒃ ᑕᐅᖅᓱᕐᒪᖔᑦ ᑕᕐᓂᖅ ᐊᓪᓚᓐᖓᓄᑦ ᐊᐅᔭᒥ ᐃᓂᖅᓴᓂᑎᓪᓗᒋᑦ [2].

ᑖᒃᑯᐊ ᐳᐃᓗᒃ ᓄᕕᖓᑖᓂᒃ ᑕᐅᖅᓱᔾᔪᑏᑦ ᐃᑲᔪᕈᑎᐅᓇᓱᒃ ᓯᒪᕗᑦ ᐆᒪᔪᓕᕆᔨᒃᑯᑦ ᑲᑎᒪᔨᖏᒃᓄᑦ (RWOs) ᐃᒪᐃᒍᓐᓇᕐᓂᓗᒋᑦ :

1. ᐊᒥᓱᓗᐊᕈᑕᐅᓯᒪᔪᓄᑦ ᓄᓇᓕᖕᓂᑦ ᐱᔭᐅᔪᓐᓇᖅᑐᓄᑦ (CHL) ᐊᑭᓕᕈᑕᐅᔪᓐᓇᕐᓂᓗᒋᑦ ᑕᒪᒃᑯᐊ ᐊᑐᖅᑕᐅᓯᒪᓐᖏᑦ ᐊᒥᓱᓗᐊᕈᑎᔪᓄᑦ ᐃᓕᔭᐅᔪᓐᓇᕐᓂᓗᒋᑦ ᓄᓇᓖᑦ ᑕᐅᖅᓱᕐᑏᑎᒌᒍᓐᓇᕐᓂᓗᒋᑦ ᑲᒪᒋᔭᐅᔪᑦ ᐊᒡᒍᖅᓯᒪᓂᖕᒋᓂ, ᐊᕐᕌᒍᖕᒐᕿᓗᒐᕋᓱᒍᓐᓇᕐ ᓂᐅᑉ .

2. ᐸᕐᓇᒍᑕᐅᔪᓐᓇᕐᓂᓗᒋᑦ , ᐊᒡᒪ ᑕᐃᒫᒃ ᐱᔪᓐᓇᕐᓂᓗᒋᑦ , ᓄᓇᖅᑲᑎᒌᓐᖏᑦ ᑐᑦ ᑕᐅᖅᓱᕐᑏᑎᒌᒍᓐᓇᕐᓂᓗᒋᑦ ᑲᒪᒋᔭᐅᔪᓂᒃ ᑖᒃᑯᓂᖓᖅᓴᐃᓐᓇᖅ, ᐊᕐᕌᒍᖕᒐᕿᓗᒐᕋᓱᖕᓂᐅᑉ , ᐊᒥᓱᓛᖑᓐᓇᖅᑐᓂᒃ ᐱᕐᓂᑕᕈᓐᓇᕐᓂᓗᒋᑦ ᐊᕐᕌᒍᒥᑦ ᐊᕐᕌᒍᒧᑦ ᐊᓯᕈᖅᐸᑦ ᓕᐊᓂᖕᒋᓂᒃ ᕿᓗᒐᕐᓂᖅᓂᒃ .

3. ᕐᓂᓯᓐᓇᐅᓗᐊᕈᑎᓯᒪᑎᑦᓗᒋᑦ ᓂᕕᖓᑖᓂᒃ ᑕᐅᖅᓱᔾᔪᑕᐅᔪᓐᓇᖅᑐᓂᒃ , ᕐᓂᓯᓐᓇᕈᓇᐊᖅᑕᐅᕐᓂᑕᕆᔨᑦ ᐊᕐᕌᒍᓂᐊᖅᑐᒥᓄᑦᓗᒋᑦ ᐱᓗᐊᖅᑐᕕᓂᕐᓄᑦ .

ᐊᑐᐊᒐᖕᒋᑦ ᑕᐅᖅᓱᕐᓂᕐᒧᑦ ᓯᕗᓪᓕᐅᑎᑕᐅᔪᓄᑦ :

1. ᓇᓗᓇᐃᖅᑕᐅᓚᐅᖅᑎᓪᓗᒋᑦ ᐊᒥᓱᓂᖕᒋᑦ ᐆᒪᔪᖅᑕᐅᔪᓐᓇᖅᑐᑦ (TAH) ᐊᒡᒪ ᐃᓄᖕᓄᑦ ᐱᔭᕆᐊᕐᓂᖅᑕᖕᒋᑦ (BNL) ᑖᒃᑯᐊ ᕿᓗᒐᕐᓂᐃ ᐊᒡᒍᖅᑕᐅᓯᒪᓂᖕᒋᓂᐊᒡᒪ ᑲᒪᔾᔪᑕᐅᓂᐊᖅᑐᑦ ᐊᐅᔭᒃᑯᑦ ᐃᓂᒋᔭᐅᕙᒃᑐᓂ, ᑖᒃᑯᐊ ᐃᓄᖕᓄᑦ ᐱᔭᕆᐊᕐᓂᖅᑕᖕᒋᓄᑦ ᓇᓗᓇᐃᖅᑕᐅᓯᒪᔪᑦ ᐊᕐᕌᒍᑕᒫᖅ ᓇᓗᓇᐃᖅᑕᐅᕐᓂᑕᕆᔨᑦ ᕿᓗᒐᕐᓂᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᐆᒪᔪᖅᑕᐅᓂᐊᖅᑎᒃᑯᑦ ᑲᑎᒪᔨᖏᒃᓄᑦ , ᑖᒃᑯᓄᖓ ᑲᒪᒋᔭᐅᔪᑦ ᐊᒡᒍᖅᓯᒪᓂᖕᒋᓂ. ᒪᓕᒃᓗᒋᑦ ᓄᓇᓖᖕᓄᑦ ᕿᓗᒐᕐᓂᕕᒋᕐᓂᕕᖅᑕᖕᒋᖕᒋᑦ ᐊᕕᒃᓯᒪᕐᓂᑕᖅᐸᑕ ᐊᐅᔭᒃᑯᑦ , ᑖᒃᑯᐊ ᓄᓇᓖᑦ ᐱᕐᓂᑕᕐᓂᐊᖅᑐᒥᑦ ᐊᕐᕌᒍᓕᒫᒧᑦ ᐱᔭᐅᔪᓐᓇᖅᑐᓂᒃ ᓂᕕᖓᑖᓂᒃ , ᐅᕝᕙᓗ ᐊᐅᔭᐃᓐᓇᒃᑯᑦ ᐱᔭᐅᔪᓐᓇᖅᑐᓂᒃ ᐊᒡᒪ ᕿᓗᒐᕐᓂᐃᑦ ᓇᓗᓕᖅᑎᓪᓗᒋᑦ ᐅᑭᕕᖕᒋᓄᑦ . ᑖᒃᑯᐊ ᑐᓂᔭᐅᔪᑦ ᓂᕕᖓᑖᑦ ᒪᓕᕐᕙᒃᑕᕐᓂᐊᖅᑐᑦ ᕿᓗᒐᕐᓂᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᐊᒥᓱᓂᖕᒋᓄᑦ (ᐊᕐᕌᒍᓕᒫᒧᑦ ᐱᔭᐅᔪᓐᓇᖅᑐᓂᒃ ᓂᕕᖓᑖᓂᒃ , ᐅᕝᕙᓗ ᐊᐅᔭᐃᓐᓇᒃᑯᑦ ᐱᔭᐅᔪᓐᓇᖅᑐᓂᒃ ᐊᒡᒪ ᕿᓗᒐᕐᓂᐃᑦ ᓇᓗᓕᖅᑎᓪᓗᒋᑦ ᐅᑭᕕᖕᒋᓄᑦ).

2. ᐊᕐᕌᒍᖕᒐᓄᑦ ᐊᑐᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᑭᓯᐊᓂᓂᕕᖓᑖᑦ ᐊᑐᖅᑕᐅᕐᓂᑕᕆᔨᑦ .

3. ᐊᑕᐅᓯᖅᓂᕕᖓᑖᖅᐊᑕᐅᓯᕐᒧᑦ ᕿᓗᒐᕐᒧᑦ ᐊᑐᖅᑕᐅᔪᓐᓇᖅᐳᖅᑭᑕᐅᔪᓄᑦ .

4. ᐳᐃᓗᒃᓄᑦ ᓂᕕᖓᑖᑦ ᐊᑐᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᑭᓯᐊᓂ ᐊᕐᕌᒍᖕᒐᑐᓂᔭᐅᓯᒪᓂᖕᒋᓂ. ᐆᒪᔪᕐᓕᓯᒍᓐᓇᕐ ᓂᐅᑉ ᓄᖅᑲᕐᓂᖕᒐᑖᒃᑯᐊ ᓂᕕᖓᑖᑦ ᐊᑐᕐᓂᖅᑭᓐᓂᓱᑦ ᐊᒡᒪ ᐊᕐᕌᒍᓂᐊᖅᑐᒧᑦ ᓈᑎᑕᒃᓴᐅᓐᖏᑦ ᑐᑦ .

5. ᑖᒃᑯᐊᑲᒪᒋᔭᐅᔪᓂᕐᑏᑎᒌᓐᖏᑐᓄᑦ ᑕᐅᖅᓱᔾᔪᑕᐅᔪᓐᓇᖅᑐᑦ ᓂᕕᖓᑖᑦ .

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[1] ᑖᒃᑯᐊᑕᐅᖅᓱᔾᔪᑕᐅᔪᓐᓇᖅᑐᑦ ᐋᖅᑭᒋᐊᖅᑕᐅᓱᖕᒐᑦ ᒪᓕᒃᓗᒋᑦ ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᕿᐅᔾᔪᑦᑕᒪᕆᖕᒋᒪᓕᒃᓗᒋᑦ ᐊᐅᔭᒃᑯᑦ ᐊᒡᒍᖅᓯᒪᕐᓂᖅᑕᖅᑐᓄᑦ ᑖᒃᑯᐊᑭᖕᓂᑕᐅᑎᑕᐅᔪᑦ ᐊᑐᐊᒐᕐᒥᐊᒡᒪᒪᓕᒃᓗᒋᑦ ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᐅᕝᕙᓗᔾᔨᒋᐊᕈᑎᒋᓯᒪᔭᖕᒋᓄᑦ ᑰᑕᒧᑦ ᐊᓯᔾᔨᖅᑕᖅᑐᓄᑦ ᑖᒃᑯᐊᐱᖕᒐᑎᑕᐅᔪᑦ ᑕᐃᖅᓱᔪᓐᓇᖅᑐᓄᑦ ᐊᑐᐊᒐᕐᓂ(ᑕᑯᓂᐊᕐᓂᕕᒃᓴᖅᐃᓚᒍᑕᖕᒋᑦ 1-ᒥ).

[2] ᑎᓴᒪᓂᕿᖅᑕᓗᒃᒥ ᓄᓇᖕᓂᒃᑲᒪᒋᔭᐅᔪᓂᒃ ᐊᒡᒍᖅᓯᒪᔪᑦ , ᐊᐅᔭᒃᑯᑦ ᐊᕕᒃᑐᖅᑕᓐᖏᑦᑐᓄᑦ . ᐊᖑᕙᐅᑭᖕᒐᓗ, ᑖᒃᑯᐊᕐᕌᒍᐃᑦ ᐊᕕᒃᑐᖅᑕᓐᖏᑦᑐᑦ ᐊᐅᔭᒃᑯᑦ ᑭᓯᐊᓂᓕᐊᕐᓱᕐᓕᒫᒥᑦ ᑲᑎᓐᖓᓐᖏᖅᑕᖅᑐᑦ

6. ᓂᕕᖕᒥᓂᒃ ᑕᐅᖅᓱᓂᖅ ᐊᖏᒃᑕᐅᓯᒪᖅᓴᒃ ᑕᕆᐊᓖᑦ ᐆᒪᔪᓕᕆᔨᒃ ᑯᑦ ᑲᑎᒪᔨᖕᒥᓄᑦ .

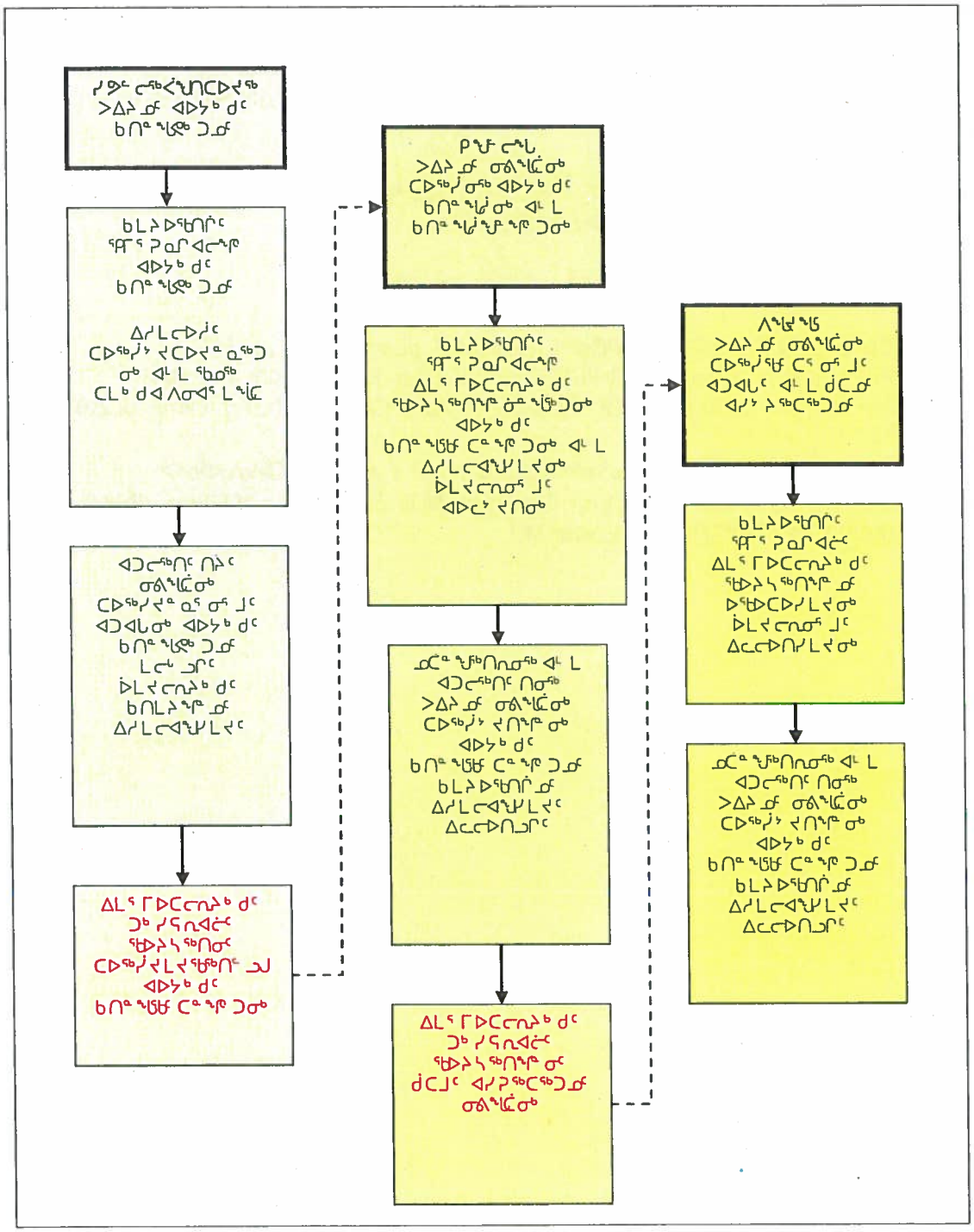
7. >ᐃᔨᓄᑦ ᓂᕕᖕᒥᑦ ᑕᐅᖅᓱᔾ ᔪᑕᐅᔪᓐᓇᖅᐳᑦ ᓄᓇᕗᓄᑦ ᑭᓯᐊᓂ ᕿᓐᓂᒐᕐᓂᕕᒋᕙᒃ ᑕᖕᒥᑦ ᐊᐅᔭᒃ ᑯᑦ ᑲᑎᓐᖕᒥᕙᒃ ᑐᓄᑦ ᑭᓯᐊᓂ, ᐆᒪᑦ ᕐᓇᐊᒍᑦ ᓇᓗᓇᐃᖅᑕᐅᓯᒪᔪᑦ ᒪᓕᒃᑐᒋᑦ (ᐊᒥᓱᓗᐊᕈᑕᐅᔪᕕᓂᕐᓄᑦ ᓄᓇᕗᒥᐅᓄᑦ , ᓂᕕᖕᒥᓕᒫᑦ ᑐᓂᔭᐅᓯᒪᔪᑦ ᐊᑐᖅᑕᐅᔪᓐᓇᕐᓂᑦ ᐅᕝᕙᓗ ᐊᑭᓕᐅᑕᐅᓂᐊᕐ ᑐᑎᒃ ᑖᒃ ᑯᓂᖓᓴᐃᓐᓇᖅ ᐊᒥᓱᓗᐊᕈᑕᐅᔪᕕᓂᕐᓄᑦ) ᐊᖏᒃᑕᐅᓯᒪᓗᑎᒃ ᐆᒪᔪᓕᕆᔨᒃ ᑯᑦ ᑲᑎᒪᔨᖕᒥᓄᑦ .

8. ᓂᕕᖕᒥᑦ ᐊᓯᖕᒥᓄᑦ ᓄᓇᕗᓄᑦ ᑕᐅᖅᓱᔾ ᔪᑕᐅᔪᓐᓇᖕᒥᑐᑦ ᓄᓇᕗᓂ ᐱᔭᐅᔪᓐᓇᖅᑐᑦ ᓄᖑᑕᐅᓯᒪᓕᖅᑎᓪᓗᒋᑦ (ᐊᕐᕌᒍᓕᒫᓂᑦ , ᐊᐅᔭᒃ ᑯᑦ ᑭᓯᐊᓂᐱᔭᐅᔪᓐᓇᖅᑐᓂᒃ).

9. ᓂᕕᖕᒥᑦ ᑕᐅᖅᓱᔾ ᔪᑕᐅᔪᓐᓇᖕᒥᑐᑦ ᕿᓐᓂᒐᕐᐃᑦ ᐅᑭᕕᖕᒥᓄᑦ ᓄᑦ ᐸᓪ ᓕᐊᓕᖅᑎᓪᓗᒋᑦ .

10. ᐊᒥᓱᓗᐊᕈᑎᓯᒪᔪᑦ ᓂᕕᖕᒥᖅᑕᕐᑲᓐᓇᖅᑎᓪᓗᒍ ᐊᑭᓕᖅᑕᐅᕐᓂᑕᕐ ᓂᐊᖅᑐᑦ ᐆᒪᔪᕐ ᓂᐊᖅᑎᒃ ᑯᑦ ᐱᒐᕙᓚᐅᖅᑕᖕᒥᓂᑦ ᐊᕐ ᕖᒍᓕᐊᖅᑐᒥᑦ (ᐊᕐ ᕖᒍᓕᒫᖅᓯᐅᑎᓄᑦ , ᐊᐅᔭᒃ ᑯᑦ ᑭᓯᐊᓂ ᐱᔭᐅᔪᓐᓇᖅᑐᓪᓗ) ᐆᒪᔪᓕᕆᔨᒃ ᑯᑦ ᑲᑎᒪᔨᖕᒥᓄᑦ ᐊᖅᑕᐅᓗᑎᒃ ᐊᕐ ᕖᒍᓂᐊᖅᑐᒥᑦ .

11. ᑖᒃ ᑯᐊ ᑕᐅᖅᓱᓂᕐ ᒧᑦ ᑐᒃᓯᕋᕈᑕᐅᔪᑦ ᐆᒪᔪᓄᑦ ᐊᔾᔨᒋᓐᓂᖕᒥᖕᒥᓄᑦ (ᓱᕐ ᓗ ᑕᐅᖅᓱᓂᖅ ᐆᒪᔪᓄᑦ ᐊᔾᔨᒋᓐᓂᖕᒥᖕᒥᓄᑦ ᐅᕝᕙᓗ ᐆᒪᔪᓐᓂᖕᒐᖅᑐᓂᒃ ᓂᐅᕐ ᕈᔾ ᔪᑕᐅᓯᒪᔪᓄᑦ) ᑐᒃᓯᕋᖓᕆᐊᓖᑦ ᓄᓇᕗᒻᒥ ᐆᒪᔪᓕᕆᔨᕐ ᔪᐊᖅᑎᒃ ᑯᑦ ᑲᑎᒪᔨᖕᒥᑦ ᐆᒪᔪᓕᕆᔨᒃ ᑯᑦ ᑲᑎᒪᔨᖕᒥᓂᓄᑦ ᑖᒃ ᑯᐊᓗ ᑐᒃᓯᕋᐅᑕᐅᓯᒪᔪᑦ ᐃᓛᒃ ᑰᖓᑎᒃ ᐃᓱᒪᒃ ᓴᖅᓯᐅᕈᑕᐅᖅᑕᕐ ᓂᐊᖅᑐᑦ ᒪᓕᒃᑐᒋᑦ ᐊᖏᒃᑎᒌᒍᑏᑦ ᓄᓇᑖᕈᑎᒥ s5.2.33(k). ᑕᒪᒃ ᑯᐊ ᑐᒃᓯᕋᐅᑕᐅᔪᑦ ᐃᓱᒪᒃ ᓴᖅᓯᐅᕈᑕᐅᔪᓐᓇᖅᑐᑦ ᑭᓯᐊᓂ ᓄᖑᐃᓗᐊᔾ ᓵᓐᖕᒥ <ᑕ ᐆᒪᔪᕐᑎᓂᒃ ᐊᒻᒪ ᓱᕋᐃᓐᖕᒥ <ᑕ ᑭᓯᐊᓂ ᑲᒪᔨᐅᓂᕐᒧᑦ ᐊᐅᓚᔾ ᔪᑕᐅᔪᓂᒃ ᐆᒪᔪᓄᑦ ᑐᒃᓯᕋᕈᑕᐅᔪᓄᑦ .



ᐃᓚᒍᑕᖕᒐᕗ 5. ᐱᓕᕆᐊᒃ ᓴᑦ ᐃᓕᐅᖅᑲᖅᓱᒪᔪᑦ ᖃᓂᖅ ᐱᓕᕆᐊᖑᕝᕕᑦ ᓕᐊᔭᕆᐊᖅᑐᖕᒪᖕᒋᒥ, ᖃᐅᔨᓴᖅᑕᐅᓱᒪᔪᓂᒃ ᒪᓕᒃ ᓗᓂ ᐊᑐᓕᖅᑎᑕᐅᓱᒪᔪᓂᒃ ᓂᕿᖕᒋᓂᒃ ᑕᐅᒃ ᓱᕋᒃ ᑕᕐᓂᕐᒧᑦ ᐊᑐᐊᒐᖕᒋᓂᒃ 2013-ᒥ ᕿᒥᕐᕈᓐᓇᑎᐊᓕᖕᒋᓂᕐᒧᑦ ᓄᓇᕗᑦ ᐃᓗᐊᓂ. ᑖᒃ ᑯᐊ ᐃᓕᐅᖅᑲᖅᓱᒪᔪᑦ ᐱᓕᕆᐊᖑᔭᕆᐊᖅᑲᖅᑐᓂᒃ ᓇᓗᓇᐃᖅᓱᓱᒪᕗᑦ ᖃᓄᑎᒋ ᐊᑯᓂᐅᑎᒋᔪᖅ ᓇᓗᓇᐃᖅᑕᐅᓱᒪᓇᑎᒃ .

ᓇᓗᓇᐃᒃᑯᑕᖅ 3

ᑕᑦᓕᒪᓂᒃ ᑐᓇᖓᕕᓕᒃ ᑑᖓᓕᓐᓂᕐ ᓄᖑᑦᑎᖏᓐᓂᕐᒧᑦ ᒪᓕᖓᖅ

1. ᑕᒪᕐᒥᒃ ᐊᑐᖅᑕᐅᓯᒪᖏᑦᑐᑦ ᑰᑕᐃᑦ ᕿᓚᓗᒐᕋᓱᓐᓇᐅᓕᖅᑎᓪᓗᒍ ᐃᓗᐊᓂ MU ᑲᔪᓯᑎᑕᐅᕗᑦ ᐊᑐᖅᑕᐅᓂᐊᕐᓗᑎᒃ ᕿᓚᓗᒐᕋᓱᓐᓇᐅᓕᖅᐸᑦ. (ᓱᕐᓗ ᐊᐅᔭᐅᔪᒥᒃ ᐊᐅᔭᐅᓂᐊᖅᑐᒧᑦ, ᐃᖏᕋᓂᒃᑯᑦ; ᐊᐅᔭᓕᒫᒥᑦ ᐊᐅᔭᓕᒫᒧᑦ)

2. ᓈᑕᐅᓂᑯᑦ ᑰᑕᐃᑦ (MMT) ᑐᕌᖓᑎᑕᐅᖃᑦᑕᖅᑐᑦ ᓯᕗᑦᓕᖅᐹᒥ ᑑᒐᓕᒃᑕᐅᔪᓄᑦ ᕿᓚᓗᒐᕋᓱᓐᓇᐅᑎᓪᓗᒍ ᓯᕗᓂᐊᒍᑦ ᑰᑕᐃᑦ ᐊᑐᖅᑕᐅᓂᐊᖅᑐᑦ ᐊᑐᓕᖅᑕᐅᓚᐅᖏᑎᓪᓗᒋᑦ.

3. ᓈᑕᐅᓂᑯᑦ ᑰᑕᐃᑦ ᐃᓱᓕᖃᑦᑕᖅᐳᑦ ᐃᓱᓕᐸᑦ ᕿᓚᓗᒐᕋᓱᓐᓇᖅ ᓈᑕᐅᕕᐅᓯᒪᔪᖅ.

4. ᑕᒪᓐᓇ ᐋᖅᑭᒃᑕᐅᒃᑲᓐᓂᖅᐸᑦᑐᖅ 0-ᕈᒧᑦ ᐋᖅᑭᒋᐊᖅᑕᐅᔪᖅᑲᕋᐃᒻᒪᑦ ᑰᑕᓂᒃ MU–ᒧᑦ ᓄᓇᕗᑦᒥ ᐆᒪᔪᓕᕆᔨᕐᔪᐊᒃᑯᑦ ᑲᑎᒪᔨᓐᓄᑦ (ᓱᕐᓗ ᐊᑐᖅᑕᐅᓯᒪᖏᑦᑐᑦ ᑰᑕᐃᑦ ᑕᒫᓂ MU ᓯᕗᓂᐊᒍᑦ ᑰᑕᒋᔭᐅᔪᑦ ᐋᖅᑭᒋᐊᖅᑕᐅᓚᐅᖏᑎᓪᓗᒋᑦ ᓈᑕᐅᔪᓐᓇᖏᑦᑐᑦ ᕿᓚᓗᒐᕋᓱᓐᓂᐅᓂᐊᖅᑐᒧᑦ ᓄᑖᑦ ᐅᓄᕐᓂᕆᔭᐅᔪᑦ ᑰᑕᐃᑦ)

5. ᐊᓯᓕᒫᖏᑦ ᒪᓕᖓᐃᑦ ᓂᕕᖓᑖᓄᑦ ᓈᑕᐅᔪᓐᓇᕐᓂᖏᓐᓄᑦ ᐱᓕᕆᓂᖅ I ᓱᓕ ᐊᑐᖅᑕᐅᔭᕆᐊᖃᐸᑦ. ᓈᑎᕆᔪᖃᕈᓐᓇᖏᑦᑐᖅ ᐃᒪᕐᒥᐅᑕᓄᑦ ᓂᕕᖓᑖᓂᒃ ᑕᒪᒃᑯᑎᒍᓇ MU. ᓈᑎᕆᔪᖃᕈᓐᓇᖏᑦᑐᓂᓗ ᐊᐅᔭᒃᑯᑦ ᐃᒪᕐᒥᐅᑕᓄᑦ ᓂᕕᖓᑖᓂᒃ ᐃᖏᕋᑎᓪᓗᒋᑦ ᐃᓗᐊᓂ MU.

Fisheries and Oceans Canada | Pêches et Océans Canada

ᐃᑉᐳᕈ 29, 2016

ᐅᑯᓄᖓ:

ᔭᐃᒥᓯ ᕿᓪᓚᖅ, ᐃᒃᓯᕙ ᐅᑕᖅ ᕿᑭᖅᑖᓗᒃ ᐆᒪᔪᓕᕆᔨᔪᔪᑦ ᑲᑎᒪᔨᖏᑦ	ᓴᐃᒪᓐ ᕿᙵᓇᖅᑐᖅ, ᐃᒃᓯᕙ ᐅᑕᖅ ᕿᑎᒻᒥᐅᑦ ᐊᒡᒍᖅᓯᒪᔫᓂ ᐆᒪᔪᓕᕆᔨᑦ ᑲᑎᒪᔨᖏᑦ
ᔭᐃᐱᑎ ᐊᑭᐊᒍᖅ, ᐃᒃᓯᕙ ᐅᑕᖅ ᐃᕕᖅ (ᐊᐅᓯᐃᑦᑐᖅ) ᐊᖑᓇᓱᒃᑐᓕᕆᔨᖏᑦ	ᔭᐃᒥᓯ ᕿᑦᓯᐊᓕᒃ, ᐃᒃᓯᕙ ᐅᑕᖅ ᐅᖅᓱᖅᑑᑉ ᐊᖑᓇᓱᒃᑐᓕᕆᔨᖏᑦ
ᐱᓕᑉ ᒪᓂᖅ ᐊᖓᔪᒃᑕᖅ., ᐃᒃᓯᕙ ᐅᑕᖅ ᖃᐅᓯᐃᑦᑑᑉ ᐊᖑᓇᓱᒃᑐᓕᕆᔨᖏᑦ	ᓴᒻ ᑐᓗᕆᐊᓕᒃ, ᐃᒃᓯᕙ ᐅᑕᖅ ᑕᓗᔫᔪᐊᖅ ᐊᖑᓇᓱᒃᑐᓕᕆᔨᖏᑦ
ᓄᐊ ᒨᓯᓯ, ᐃᒃᓯᕙ ᐅᑕᖅ ᐸᖕᓂᖅᑑᑉ ᐊᖑᓇᓱᒃᑐᓕᕆᔨᖏᑦ	ᑲᓚᒻᐸᓐ ᐳᔪᐊᔫᔪᒃ, ᐃᒃᓯᕙ ᐅᑕᖅ ᑯᕋᐃᕈᔫᔪᐊᒃ (ᑯᒐᕈᒃ) ᐊᖑᓇᓱᒃᑐᓕᕆᔨᖏᑦ
ᔫᓯᐊ ᖃᙳᖅ, ᐃᒃᓯᕙ ᐅᑕᖅ ᐊᒪᕈᖅ (ᐃᖃᓗᐃᑦ) ᐊᖑᓇᓱᒃᑐᓕᕆᔨᖏᑦ	ᐸᐱ ᒍᓈᓐᓕ, ᐃᒃᓯᕙ ᐅᑕᖅ ᐃᑲᓗᒃᑐᑦᑎᐊᒃ (ᐃᖃᓗᒃᑑᑦᑎᐊᖅ) ᐊᖑᓇᓱᒃᑐᓕᕆᔨᖏᑦ
ᑕᐃᕕᑦ ᐊᕿᐊᕈᖅ, ᐃᒃᓯᕙ ᐅᑕᖅ ᐃᒡᓗᓕᐅᑉ ᐊᖑᓇᓱᒃᑐᓕᕆᔨᖏᑦ	ᓕᐅᕆ ᐋᑦᔪᓐ, ᐃᒃᓯᕙ ᐅᑕᖅ ᖁᑦᓗᒃᑐᖅ ᐊᖑᓇᓱᒃᑐᓕᕆᔨᖏᑦ
ᒫᓇᓯ ᓇᐅᑦᓚᖅ, ᐃᒃᓯᕙ ᐅᑕᖅ ᓴᓂᕋᔭᐅᑉ ᐊᖑᓇᓱᒃᑐᓕᕆᔨᖏᑦ	

ᐅᖃᐅᓯᐅᔪᖅ: ᐊᑐᖅᑕᐅᔪᒪᔪᖅ ᐋᖅᑭᒋᐊᕆᔾᔪᑎ ᐊᑐᖅᑕᐅᔪᒍᑦ ᐃᓱᖃᐅᑎᑦ ᐊᖑᓂᒃᑕᐅᔪᓐᓇᖅᑐᓄᑦ ᐅᓪᓗᒥ ᕿᑭᖅᑖᓗᑉ ᐃᒪᕕᐊᓂ, ᐊᐅᓯᐃᑦᑑᑉ ᐊᒻᒪᓗ ᓯᒥᑦ ᐃᑭᕋᓴᖏᑦ ᑑᒐᓕᑦ ᕿᓚᓗᒐᕐᑯᑎᖏᑦ

ᐋᒐᓯ 2013-ᒥ, ᐃᒪᒻᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᑲᓇᑕᒥ (DFO) ᐱᒋᐊᕆᔭᖃᓚᐅᖅᑐᖅ ᓯᕗᓪᓕᖅᐹᒥᒃ ᐃᓗᐊᒍᑦ ᐊᖑᓂᒃᑕᐅᓲᖑᓂᖏᑦ ᕿᓚᓗᒐᑦ ᖃᖓᑕᓲᒃᑯᑦ ᓇᐃᓴᐃᓪᓗᑎᒃ ᑖᒃᑯᓇᓂ ᐊᕝᕕᓂᓖᑦ ᑲᓇᑕᐅᑉ ᐊᐅᔭᒃᑯᑦ ᑑᒐᓕᑦ ᕿᓚᓗᒐᖅᑭᕐᒋᓲᖏᑦ ᖁᑦᑎᑦᑑᑉ ᑕᕆᐅᖏᓐᓂ: ᑰᒐᓇᔫᑉ ᕿᑭᖅᑕᖓᑕ ᕿᓚᓗᒐᖏᑦ, ᑐᓄᓂᕈᓯᐅᑉ ᑲᖏᖅᓱᖓᑕ ᕿᓚᓗᒐᖏᑦ, ᒥᑦᑎᒪᑕᓕᐅᑉ ᑕᓯᐅᔭᖓᑕ ᕿᓚᓗᒐᖏᑦ, ᑲᓇᓐᓇᖅᐸᓯᒃ ᕿᑭᖅᑖᓗᑉ ᕿᓚᓗᒐᖏᑦ ᕿᑭᖅᑖᓗᑉ ᐃᒪᕕᐊᓂ; ᐊᒻᒪᓗ ᑖᒃᑯᐊᒃ ᐊᐅᓯᐃᑦᑑᑉ ᓯᒥᑦ ᐃᑭᕋᓴᖏᑦ ᕿᓚᓗᒐᖏᑦ ᖃᓂᒋᔭᖓᒍᑦ ᐊᐅᓯᐃᑦᑑᑉ ᓄᓇᓕᐊᑕ (ᑕᑯᔭᒃᓴᖅ 1). ᐃᒪᒻᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᖃᐅᔨᓴᖅᑎᖏᑦ ᐊᑐᖅᑐᑎᒃ ᑖᒃᑯᐊ ᑕᑯᓴᕈᕈᑎᖏᓐᓂᒃ ᓇᓗᓇᐃᕈᑎᓪᓗᒍ ᓇᓚᐅᑦᑖᕆᔭᖏᑦ ᐅᓄᓐᓂᖏᓐᓄᑦ ᑑᒐᓕᑦ ᕿᓚᓗᒐᖏᑦ ᓇᐃᓴᐅᓯᕋᓱᒃᑐᒍᓗ ᐃᓱᖓ ᐱᔪᓐᓇᖅᑎᑕᐅᔪᖅ ᓄᓈᖅᑕᓄᑦ (TALC) ᐊᑐᓕᖁᔭᓴᒥᓂᒃ ᐊᑐᓃᖓᔪᓂᒃ ᑖᒃᑯᓄᖓ ᐊᒻᒍᖅᑕᐅᖅᓯᒪᔪᓄᑦ (ᑐᑭᓯᒋᐊᕈᑦ 1). ᑕᒪᐃᓐᓄᖓᔪᑦ ᑕᑯᓪᓗᒋᑦ, ᑖᒃᑯᐊ ᐊᕐᕌᒍᐊᓄᑦ 2013 ᐊᒥᓲᓂᕆᔭᖏᓐᓄᑦ ᓇᓚᐅᑦᑖᕆᑦ ᑲᓇᑕᐅᑉ ᖁᑦᑎᒃᑐᐊᑕ ᐅᑭᐅᖅᑕᖅᑐᐊᓂ ᖁᑦᑎᓐᓂᖅᓴᑦ ᓯᕗᓂᐊᒍᑦ ᓇᓚᐅᑦᑖᕆᔭᐅᓂᑯᓂᒃ.

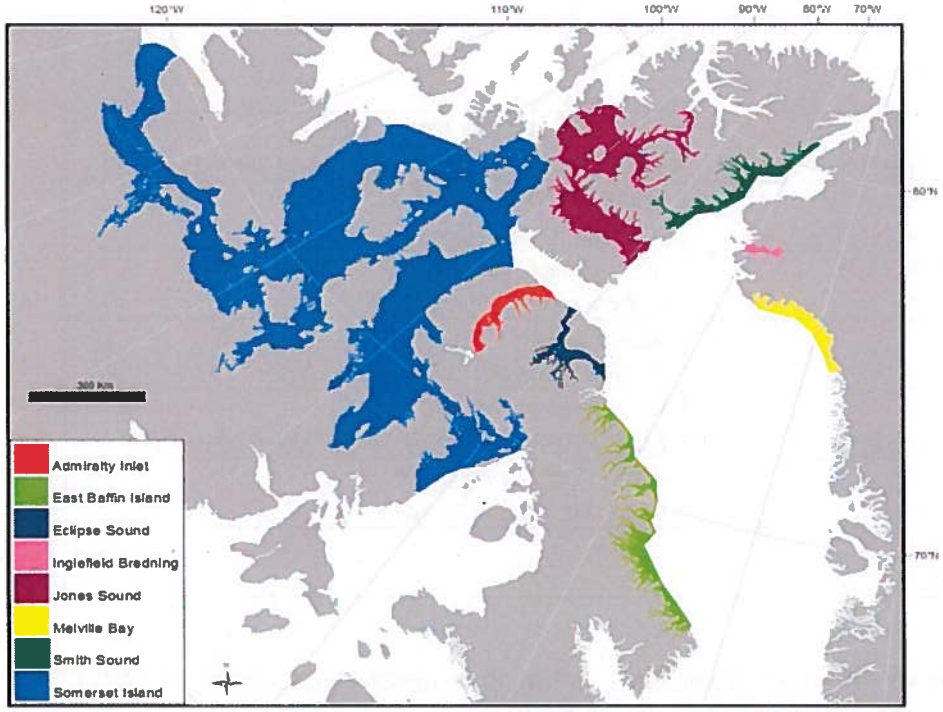
ᐃᒪᒻᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᐱᓕᕆᐊᖃᓕᖅᑐᑦ ᑐᓴᕋᓱᐊᓐᓂᒻᒥᒃ ᑖᒃᑯᓄᖓ ᐊᒃᑐᖅᑕᐅᑐᐃᓐᓇᕆᐊᓕᓐᓄᑦ ᐃᓄᓐᓄᑦ ᐊᐅᓚᑦᑎᔨᑦ ᐃᓱᒪᓕᐅᕆᔫᑎᓴᓴᖏᓐᓄᑦ ᐊᑐᓕᖅᑎᑦᑎᓂᒻᒥᒃ ᓄᑖᖑᔪᑦ ᖃᐅᔨᓴᖅᑎᓄᑦ ᐅᖃᐅᔨᓴᖅᓱᑎᒋᔭᐅᔪᑦ. ᑖᓐᓇ ᑐᓴᕋᓱᐊᓐᓂᖅ ᐊᐅᓚᓂᐊ ᒪᕐᕉᓐᓂᒃ ᐃᓗᓕᖃᖅᑐᖅ: (1) ᐅᐸᓯᒪᓗᒋᑦ ᑐᓴᕋᓱᐊᓐᓃᑦ ᓄᓇᓕᖏᓐᓂᒃ ᐃᑉᐱᐊᔫᑉ, ᒥᑦᑎᒪᑕᓕᐅᑉ, ᑲᖏᖅᑐᒐᐱᐅᑉ ᐊᒻᒪᓗ ᕿᑭᖅᑕᔾᔪᐊᖅ ᐃᑉᐳᕈ 18-22, 2016; ᐊᒻᒪᓗ (2) ᑎᑎᖅᑲᑎᒍᑦ ᑐᓴᕋᓱᐊᕈᑏᑦ ᐊᒥᐊᒃᑯᔪᓄᑦ ᓄᓇᓕᐅᔪᓄᑦ ᐊᖑᓂᓲᑦ ᕿᓚᓗᒐᖏᓐᓂᒃ ᕿᑭᖅᑖᓗᑉ ᐃᒪᕕᐊᓂ, ᐊᐅᓯᐃᑦᑑᑉ ᓯᒥᑦ ᐃᑭᕋᓱᖏᑦ ᑑᒐᓕᑦ ᕿᓚᓗᒐᖏᓐᓂᒃ.

ᐃᒪᒻᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᑐᓴᕋᓱᐊᖅᑐᑦ ᐃᓕᓴᓯ ᐊᖑᓇᓱᒃᑐᓕᕆᔨᒃᑯᖏᓂᒃ ᓄᓇᓕᓴᓯᓐᓂᓪᓗ ᐅᑯᓄᖓ:

1. ᐊᑐᖅᑕᐅᔪᒪᔪᑦ TAH ᐋᖅᑭᒋᐊᕈᑎᖏᑦ, ᐱᓗᐊᖅᑐᒥᓪᓕ, ***ᐋᖅᑭᒋᐊᓪᓗᒋᑦ ᐊᑐᖅᑕᐅᔪᒍᑦ ᐃᓱᖃᐅᑎᑦ ᐊᖑᓂᒃᑕᐅᔪᓐᓇᖅᑐᓄᑦ ᐅᓪᓗᒥ ᕿᑭᖅᑖᓗᑉ ᐃᒪᕕᐊᓂ, ᐊᐅᓯᐃᑦᑑᑉ ᐊᒻᒪᓗ ᓯᒥᑦ ᐃᑭᕋᓱᖏᑦ ᑑᒐᓕᑦ***

ᕿᓚᓗᒐᕐᑯᑎᖏᑦ ᐊᐅᓚᑦᑎᔾᔪᑎᖏᓄᑦ ᑐᙵᕕᒋᓗᒋᑦ 2013-ᒥ ᖃᐅᔨᓴᐃᓂᒻᒧᑦ ᑕᑯᔅᓴᕈᖅᑐᑦ. ᐅᓄᓐᓂᖅᓴᓄᑦ ᓄᓇᓕᓐᓄᑦ ᐊᖏᓕᒋᐊᕆᔪᖅ ᐊᑐᖅᑕᖓᓂᒃ TAH; ᐊᒻᒪᓗ

2. ᐸᐃᑉᐹᑎᒍᑦ ᐊᑐᓕᖅᑎᑕᐅᓪᓚᕆᓐᓂᖓ ᑖᓐᓇ "ᑑᒐᓕᓐᓄᑦ ᕿᓚᓗᒐᑦ ᓇᓖᕋᕆᔪᓐᓴᖅᑐᖅ ᓂᕕᙵᑯᑖᒃᑯᑦ ᐊᐅᓚᑦᑎᔾᔪᑎᖏᓄᑦ."



ᑕᑯᔭᓴᖅ 1. ᓄᓇᙳᐊᖅ ᖁᑦᑎᒃᑑᑉ ᐅᑭᐅᖅᑕᖅᑐᐊᓂ ᑑᒐᓕᑦ ᕿᓚᓗᒐᖃᕝᕕᒋᓱᖏᑦ ᐊᐅᔨᕝᕕᒋᒐᔪᒃᑕᖏᑦ (ᐅᕙᙵᑦ: NAMMCO/SC/21-JCNB/SWG/14-05).

ᕿᓚᓗᒐᐃᑦ ᑑᒐᓖᑦ ᑲᑎᒪᐅᖅᑐᑦ	ᐊᐅᓚᑦᔪᕝᕕᐅᔪᑦ	ᒫᓐᓇ ᑲᑎᑦᓱᑎᒃ ᐱᔭᐅᒍᓐᓇᖅᑐᑦ	ᓄᑖᑦ ᑲᑎᑦᓱᑎᒃ ᐱᔭᐅᒍᓐᓇᖅᑐᓄᑦ ᐃᓱᒪᓕᐅᕈᑕᐅᔪᑦ
ᖃᐅᓱᐃᑦᑑᑉ ᖁᑭᖅᑕᖓ	SI	532	658
ᑐᓄᓂᕆᓱᐅᑉ ᑲᖏᖅᓱᖓ	AI	233	389
ᑕᓱᐅᔭᖅ ᒥᑦᑎᒪᑕᓕᖓᒥ	ES	236	134
ᑲᓇᓐᓇᖓ ᖁᑭᖅᑖᑑᑉ	EBI	122	206
ᓇᓗᓇᐃᖅᑕᐅᓱᒪᓐᖏᑦᑐᑦ	ᐊᐅᓱᐃᑦᑑᑉ ᑲᖏᖅᓱᖏᑦ	50* - ᑲᑎᑦᓱᑎᒃ ᐊᖑᔭᐅᒍᓐᓇᖅᑐᑦ ᐊᐅᓱᐃᑦᑐᕐᒧᑦ	76
ᓇᓗᓇᐃᖅᑕᐅᓱᒪᓐᖏᑦᑐᑦ	ᓴᓇᓐᖑᐊᕐᕕᒃ ᑕᕆᐅᖓ		77
ᑲᑎᑦᓱᑎᒃ		**1173**	**1540**

ᑐᑭᓱᒋᐊᕈᑦ 1. 2013-ᒥ ᖃᐅᔨᓴᖅᑕᐅᔪᓄᑦ ᑕᑯᔅᓴᕈᖅᑐᕕᓃᑦ ᐱᖃᓱᐅᑎᑦᓗᒋᑦ ᐊᒥᓲᓂᖏᓄᑦ ᑑᒐᓕᑦ ᕿᓚᓗᒐᖃᕝᕕᒋᓄᑦ ᓇᓚᐅᑦᑖᒐᖏᑦ, ᐃᓱᖓ ᑭᒡᓕᒋᔭᐅᔪᖅ ᐊᖑᓂᒃᑕᐅᔪᔅᓴᓂᒃ (TAH) ᐊᒻᒪᓗᑦᑕᐅᖅ ᐃᓱᖓ ᐱᔪᓐᓇᖅᑎᑕᐅᔪᖅ ᓄᓈᖅᑕᓄᑦ (TALC) ᑖᔅᓱᒪᙵᑦ ᖃᖓᑕᓱᒃᑯᑦ ᓇᐃᓴᖅᑕᐅᔾᔪᑎᕕᓈᓂᒃ ᐊᕐᕋᒍᐊᓄᑦ 2013 (CSAS SAR ᔪᓂ 2015) ᐃᓚᖃᖅᓗᑎᒃ ᓄᑖᖑᓛᓂᒃ ᓇᓚᐅᑦᑖᕈᑎᓂᒃ ᐊᒥᓲᓂᖏᓐᓄᑦ ᐅᓪᓗᒥᓗ ᐊᑐᖅᑐᓂᒃ ᓄᓇᓖᑦ TALC.

*ᑕᐃᒪᓕ ᐅᓪᓗᒥ ᓇᓗᓇᐃᖅᓱᒪᔪᖅᖏᑦᑑᒐᓗᐊᖅ TALC, ᒥᓂᔅᑑᔪᖅ ᐊᖏᓚᐅᕐᑯᖅᑐᖅ ᐃᓱᖓ ᑭᒡᓕᒋᔭᐅᔪᖅ ᐊᖑᓂᒃᐅᔪᓄᑦ (ᓂᕕᙵᒃᑯᑖᑦ) 50-ᓂᒃ ᐊᑐᓂ ᓇᓗᓇᐃᖅᓱᒪᔪᓄᑦ ᑭᒡᓕᖃᕝᕕᐅᔪᓄᑦ.

ᖃᐅᔨᓴᖅᑎᒃᑯᑦ ᐅᖃᐅᔨᖅᓱᑎᖕᒋᑦ ᓇᓯᐅᑎᔭᐅᓯᒪᒋᕗᑦ ᑖᓴᓱᒧᖓ ᑲᔪᓯᑦᑎᐊᕈᓐᓇᕋᓱᒋᓂᖕᒋᓐᓄᑦ ᐊᑐᓐᓂᐊᕈᓂ "ᓇᓖᕋᓇᔪᓐᓴᖅᑐᖅ ᓂᕕᖕᒐᑯᑖᒃᑯᑦ ᐊᐅᓚᑦᑎᔾᔪᑦ" ᐊᑐᖅᑕᐅᑲᐃᓐᓇᖅᓯᒪᔪᖅ ᖃᐅᔨᓴᖑᓪᓗᓂ ᑕᐃᒪᖕᒐᓂᑦ 2013. ᑖᓐᓇ ᓇᓖᕋᓇᔪᓐᓴᖅᑐᖅ ᓂᕕᖕᒐᑯᑖᒃᑯᑦ ᐊᐅᓚᑦᑎᔾᔪᑦ ᐱᕕᖃᖅᑎᑦᑎᓲᖅ ᐊᑐᖅᓯᒪᖕᒋᑦᑐᕕᓃᑦ ᐊᕐᕌᒍᒧᑦ TAH ᑭᖑᓂᐊᒍᑦ ᐊᑐᖅᑕᐅᔪᓐᓇᖅᓯᓪᓗᑎᒃ ᕿᓚᓗᒐᓐᓇᖅᓯᒃᑲᓐᓂᕋᖕᒐᑦ, ᐊᒻᒪᓗᓐᓃᑦ ᐊᑐᖅᑐᐊᕈᓐᓇᖅᓗᑎᒃ ᑭᖑᓂᐊᒍᑦ ᐊᕐᕌᒍᓛᖅᑐᑦ ᑭᒡᓕᓯᓂᐊᒐᖕᒋᑕ TAH ᐊᑐᑲᐃᓐᓇᕈᑎᔅᓴᖕᒋᑦ ᐊᕐᕌᒍᖕᒐᑕ ᕿᓚᓗᒐᕈᓐᓇᓐᓂᔅᓴᖕᒐᓄᑦ.

ᖃᐅᔨᓴᖅᑎᒃᑯᑦ ᐅᖃᐅᔨᖅᓱᑎᖕᒋᑦ ᓇᓗᓇᐃᕆᔪᖅ ᑖᓐᓇ ᓇᓖᕋᕆᔪᖅ TAH ᐊᐅᓚᑦᑎᔾᔪᑖ ᓂᕕᖕᒐᒃᑯᑖᓪᓗ ᓅᑦᑎᓂᒻᒧᑦ ᐊᑐᐊᒐᖕᒋᑦ ᐅᓪᓗᒥ ᐊᑐᖅᑕᐅᔪᑦ ᑑᒐᓕᑦ ᕿᓚᓗᒐᖕᒋᓐᓄᑦ ᑲᔪᓯᓐᓇᕈᓐᓇᕈᑎᓕᒃ, ᑕᒪᓐᓇ ᐃᓱᖅᑲᐅᓯᐊ ᐊᖑᓇᓱᒃᑐᓄᑦ ᑐᖁᑕᐅᓂᖕᒋᑦ ᐊᕐᕌᒍᑦ-ᑕᓪᓕᒪᑦ ᐃᓗᐊᒍᑦ ᐅᖓᑕᐅᔨᖕᒋᑐᐊᕈᓂ ᑕᓪᓕᒪᐃᖅᓱᓪᓗᒍ ᐊᕐᕌᒍᑕᒫᖅ ᓴᖅᑭᓪᓗᐊᖅᑐᑦ ᐆᒪᔪᑦ ᐃᓚᖕᒐᖅᑕᐅᓂᖕᒋᑕ (PBR) ᐊᒥᓲᓂᖕᒋᓐᓄᑦ. ᐃᓗᓕᖅᑕᑎᐊᖅᑐᒍᑦ ᑐᑭᓯᒋᐊᕈᑎᓂᒃ ᑕᒪᑐᒧᖓ ᖃᐅᔨᓴᖅᑎᒃᑯᑦ ᐅᖃᐅᔨᖅᓱᑎᖕᒋᓐᓄᑦ ᐊᒻᒪᓗ ᓇᓖᕋᕈᑎᑦ ᑭᒡᓕᖕᒋᑦ/ᓂᕕᖕᒐᒃᑯᑖᓂᒃ ᓅᑎᕆᓂᒻᒧᑦ ᐊᑐᐊᒐᖕᒐᓄᑦ, ᐅᐃᒍᔭᐅᓯᒪᔪᑦ ᑎᑎᕋᖅᓯᒪᔪᑦ ᐅᖃᓕᒫᕋᓴᓴᑦ.

ᑭᖑᓂᐊᒍᑦ ᑐᓴᕋᓱᐊᓐᓂᑦᑕ, ᐃᒪᒻᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᓇᐃᓪᓕᒋᐊᕆᓗᑎᒃ ᐅᓂᒃᑳᕆᔭᖃᓐᓂᐊᖅᑐᖅ ᑐᓴᖅᓯᒪᔭᒥᓐᓂᒃ ᐅᐃᒍᓗᒍ ᐱᖃᓯᐅᑎᓂᐊᖅᑕᖕᒐ ᐱᔪᒪᔾᔪᑎᒧᑦ ᐋᖅᑭᒋᐊᕆᓂᒻᒧᑦ ᐅᖃᓕᒫᒐᔾᔪᐅᓂᐊᖅᑐᑦ ᐅᓂᒃᑳᕆᔭᐅᓗᑎᓪᓗ ᑖᒃᑯᓄᖓ ᓄᓇᕗᒥ ᐆᒪᔪᓕᕆᔨᔾᔪᐊᒃᑯᑦ ᑲᑎᒪᔨᖕᒋᓐᓄᑦ (NWMB). ᑖᓐᓇ ᐱᔪᒪᔾᔪᑎᒧᑦ ᐋᖅᑭᒋᐊᕆᓂᒻᒧᑦ ᑐᕋᖓᓂᓕᒃ ᐋᖅᑭᒋᐊᕆᓂᒻᒥᒃ ᐅᓪᓗᒥ ᐊᑐᖅᑕᓄᑦ TAH ᕿᑭᖅᑖᔫᑉ ᐃᒪᕕᐊᓄᑦ ᐊᒻᒪ ᐊᐅᓱᐃᑦᑑᑉ ᓯᒥᑦ ᐃᑭᕋᓴᖕᒋᓐᓄᑦ ᑑᒐᓕᑦ ᕿᓚᓗᒐᓄᑦ ᐊᐅᓚᑦᑎᕕᖕᒋᓐᓄᑦ ᑐᙵᕕᒋᓪᓗᒋᑦ ᖃᐅᔨᓴᐃᓂᒃᑯᑦ ᑕᑯᔅᓴᕈᖅᓯᒪᔪᑦ ᐊᕐᕌᒍᐊᓄᑦ 2013 ᐊᒻᒪᓗ ᑐᓴᕋᓱᐊᕆᓂᒃᑯᑦ ᑐᓴᖅᑕᐅᓯᒪᔪᑦ. ᐊᑑᑎᖃᓪᓕᕆᒃᑐᖅ ᐅᔨᔨᕈᓱᓐᓂᒻᒥᒃ ᓄᓇᓖᑦ ᐊᖑᓇᓱᒃᑐᓕᕆᔨᖅᑯᑎᖕᒋᓪᓗ ᖄᒃᑲᓐᐊᓂᒍᑦ ᐱᕕᖃᑖᒻᒪᑕ ᑐᓴᖅᑎᑦᑎᔪᓐᓇᓪᓗᑎᒃ ᐃᓱᒪᒋᔭᒥᓐᓂᒃ ᐆᒪᔪᓕᕆᔨᔾᔪᐊᒃᑯᑦ ᐊᐅᓚᓂᕆᓲᖕᒋᓐᓄᑦ ᒪᓕᒃᑐᒍ ᓄᓇᕗᒥ ᓄᓇᑖᕈᑎᒧᑦ ᐊᖕᒋᖅᑲᑏᒻᒧᑎᒻᒪᕆᐊ. ᑐᕋᖅᓇᔭᕗᑦ ᑭᖑᓪᓕᖅᐹᒥᒃ ᐊᖅᑮᔾᔪᑎᒥᒃ ᐊᖕᒋᖅᑕᐅᑎᑦᑎᔪᓐᓇᓪᓗᑕ ᒥᓂᔅᑐᐊᓄᑦ ᐃᒪᒻᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᐊᑐᐃᓐᓇᐅᓕᓪᓗᓂ ᐊᑐᓕᖅᑎᑕᐅᓂᐊᓪᓗᓂ ᐊᕐᕌᒍᐊᓄᑦ 2017 ᕿᓚᓗᒐᓱᓐᓇᓐᓂᐊᓄᑦ.

ᐅᓇ ᑎᑎᖅᑲᖅ ᐊᖅᑯᑎᒋᓪᓗᑎᒍᑦ, ***ᑐᙵᕐᓴᐃᕗᒍᑦ ᐊᖑᓇᓱᒃᑐᓕᕆᔨᒃᑯᓱᓐᓂᒃ ᓄᓇᓕᓴᓯᓗ ᐃᓄᑦᑯᑎᖕᒋᓐᓂᒃ ᐃᓚᐅᓂᒻᒧᑦ ᑎᑎᖅᑲᑎᒍᑦ ᑐᓴᕋᓱᐊᓐᓂᒻᒧᑦ ᐊᐅᓚᓂᐅᓄᑦ ᓇᔾᔪᐅᑎᓗᓱᐅᒃ ᐅᖃᐅᓱᔾᔪᓴᓯ ᐃᓱᒫᓗᑎᓱᓗᓐᓃᑦ ᐊᑐᕈᒪᔭᐅᔪᓄᑦ ᑖᓴᓱᒧᖓ TAH ᐋᖅᑭᒋᐊᕈᑎᖕᒋᓐᓄᑦ ᐊᑐᓕᖅᑎᑕᐅᓂᖕᒐᓄᑦᓗ ᓇᓖᕋᕈᑎᒧᑦ ᑭᒡᓕᖃᐅᓯᖅ ᐊᐅᓚᑦᑎᔾᔪᑖ, ᐃᓱᖃᖅᑐᖅ ᒪᐃ 31, 2016***
(ᐊᓪᓕᒃᑯᑦ ᑎᑎᕋᖅᓯᒪᔪᑦ ᑕᑯᓯᐅᒃ ᖃᓇᓴᐅᔭᒃᑯᑦ ᑐᕋᕈᑖ, ᓱᒃᑲᔪᒃᑯᑦ ᑎᑎᖅᑲᒃᑯᓪᓗ ᑐᕋᕈᑎᖕᒋᑦ ᐃᓱᒪᒋᔭᓴᓴᑦ). ᑕᐃᒪᓗ ᐊᑐᐃᓐᓇᐅᔪᓐᓇᕋᔭᕆᕗᒍᑦ ᑕᓚᕗᒃᑯᑦ ᑲᑎᒪᓂᒻᒧᑦ ᐅᖃᐅᓯᖅᑲᒃᑲᓐᓂᕈᒪᒍᔅᓯ ᑐᑭᓯᒋᐊᕈᑎᓕᐊᖑᔪᓄᑦ, ᐃᓱᒪᖅᓱᑎᒋᔭᓯ ᑕᒪᓐᓇ.

ᐊᐱᖅᑯᑎᔅᓴᖅᑐᐊᕈᔅᓯ, ᐅᖃᐅᓯᔅᓴᖅᑐᕈᔅᓯ, ᐊᒻᒪᓗᓐᓃᑦ ᖄᒃᑲᓐᓂᐊᒍᑦ ᑐᑭᓯᔪᑎᒃᑲᓐᓂᓐᓂᒃ ᑐᒃᓯᕋᕈᒪᒍᕕᑦ, ᐅᕙᓐᓄᑦᓚᕆᒃ ᑐᓴᕆᐊᑦᑎᐊᒻᒪᕆᒍᓐᓇᖅᑐᓯ.

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ᐅᐃᒍᖕᒋᑦ: (1) ᐊᒥᓲᓂᖕᒋᓐᓄᑦ ᓇᓚᐅᑦᑖᖅᑕᐅᓯᒪᔪᑦ ᑑᒐᓕᑦ ᕿᓚᓗᒐᖃᓐᓂᖕᒋᓐᓄᑦ ᑲᓇᑕᐅᑉ ᖁᑦᑎᒃᑐᐊᑕ ᐅᑭᐅᖅᑕᖅᑐᐊᓂ ᐊᕐᕌᒍᐊᓐᓄᑦ 2013. ᑲᓇᑕᐅᑉ ᖃᐅᔨᓴᖅᑎᓐᓄᑦ ᐅᖃᐅᔨᖅᓱᐃᔨᑦ ᑎᑎᕋᕝᕕᖓ. ᖃᐅᔨᓴᖅᑎᑦ ᐅᖃᐅᔨᖅᓱᑎᖕᒋᓐᓄᑦ

ᐅᓂᒃᑳᑦ ᐊᕐᕌᒍᐊᓄᑦ 2015/046. (ᖃᓪᓗᓈᑎᑐᑦ ᐃᓄᒃᑎᑐᓪᓗ); (2) ᑲᔪᓯᑦᑎᐊᕈᓐᓇᓐᓂᐊ ᓇᓖᕋᕈᑎᒧᑦ ᐊᐅᓚᑦᑎᔾᔪᑎᓄᑦ ᑲᑎᓕᒫᖅᓱᒋᑦ ᐱᔪᓐᓇᖅᑎᑕᐅᔪᑦ ᐊᕐᕌᒍᓕᒫᒧᑦ ᓄᓈᖅᑕᐅᔪᔾᔪᑦ ᑑᒐᓕᑦ ᕿᓚᓗᒐᑦ. ᑲᓇᑕᐅᑉ ᖃᐅᔨᓴᖅᑎᓄᑦ ᐅᖃᐅᔾᔨᖅᓱᐃᔨᑦ ᑎᑎᕋᕝᕕᖕᒐ. ᖃᐅᔨᓴᖅᑎᑦ ᐅᖃᐅᔾᔨᖅᓲᑎᖕᒋᓐᓄᑦ ᐅᓂᒃᑳᑦ ᐊᖅᑳᒍᒧᑦ 2015/006; (3) ᐳᐃᔨᓄᑦ ᓂᕕᖕᒐᒃᑯᑖᑦ ᓈᑕᐅᓂᖕᒋᓄᑦ ᐊᑐᐊᒐᖅ ᐊᒻᒪᓗ ᑕᓪᓗᒪᑦᒪᓕᒃᑕᐅᔪᔾᔪᑦ ᑑᒐᓕᑦ ᕿᓚᓗᒐᑦ ᐃᓱᖃᐅᓯᖕᒋᓐᓄᑦ ᓈᑦᑎᕆᓂᒻᒧᑦ ᒪᓕᒐᔾᔪᖕᒐ

ᓇᓕᖅᑲᑦ:

ᔭᐅᔪᓐ ᐊᕐᑭᐊᕈᖅ, ᐊᖕᒐᔪᖅᑳᖅ ᐊᐅᓚᑦᑎᔨ, ᓄᓇᕗᒥ ᐆᒪᔪᓕᕆᔨᔾᔪᐊᒃᑯᑦ ᑲᑎᒪᔨᖕᒋᑦ
ᐲᑕ ᑭᑦ, ᑐᑭᒧᐊᕆᔨᖕᒐ ᐆᒪᔪᑦ ᐊᐅᓚᑕᐅᓂᖕᒋᓄᑦ, ᓄᓇᕗᒥ ᐆᒪᔪᓕᕆᔨᔾᔪᐊᒃᑯᑦ ᑲᑎᒪᔨᖕᒋᑦ
ᐹᑦ ᐃᖕᒐᐅᑦ, ᑐᑭᒧᐊᕆᔨ ᐆᒪᔪᓄᑦ ᐊᕙᑎᒧᑦᓗ, ᓄᓇᕗᑦ ᑐᖕᒐᕕᒃ ᑎᒥᖕᒐ
ᓯᑳᑦ ᒋᐅᐳᑦᑦ, ᐊᒡᒍᖅᓯᒪᔪᑦ ᑐᑭᒧᐊᕆᔨᖕᒐ - ᐃᖃᓗᓕᕆᓂᒻᒧᑦ ᐊᐅᓚᑦᑎᔨᑦ, ᐃᒪᒻᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᑲᓇᑕᒥ
ᓕᐅᕆ ᑕᐅ, ᑐᑭᒧᐊᕆᔨ ᐅᑭᐅᖅᑕᖅᑐᒥ ᐊᐅᓚᑕᐅᓲᓄᑦ, ᐃᒪᒻᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᑲᓇᑕᒥ
ᔭᐃᔭᓐ ᒥᑭ ᐊᒻᒪ ᔮᑭ ᐳᕋᐃᔅ, ᑐᑭᒧᐊᕆᔨᒃ, ᕿᑭᖅᑖᓗᒃ ᐆᒪᔪᓕᕆᔨᔾᔪᐊᑦ ᑲᑎᒪᔨᖕᒋᑦ
ᐃᕙ ᐊᔭᓕᒃ, ᐱᖕᒐᓐᓇᖅ ᕿᑎᒻᒥᐅᑦ ᐊᒡᒍᖅᓯᒪᔪᓂ ᑐᑭᒧᐊᒃᑎᑦᑎᔨ
ᐃᐊᒪ ᑲᒡᒍᑕᖅ, ᑲᓇᓐᓇᖅ ᕿᑎᒻᒥᐅᑦ ᐊᒡᒍᖅᓯᒪᔪᓂ ᑐᑭᒧᐊᒃᑎᑦᑎᔨ