Fisheries and Oceans Canada | Pêches et Océans Canada
Science | Sciences
Central and Arctic Region
Canadian Science Advisory Secretariat
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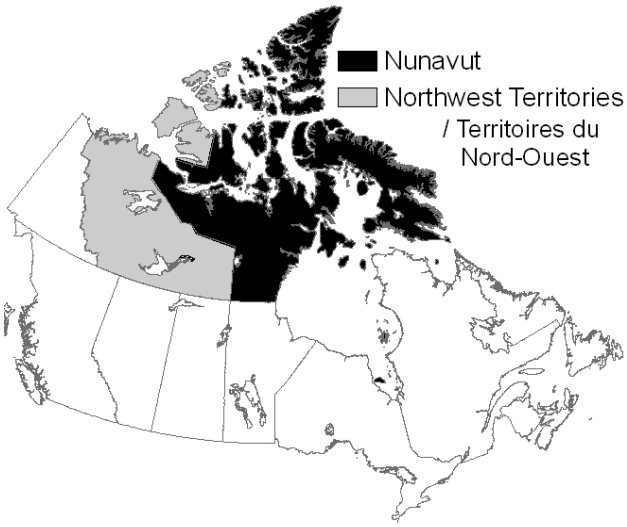
ᐃᖃᓗᓕᕆᓂᒃᑯᑦ ᑮᓇᐅᔭᓕᐅᕋᓱᖕᓂᕐᒧᑦ ᐊᑐᐊᒐᑦ ᑕᓇᕗᒻᒥ ᐊᒻᒪ ᓄᓇᕋᓱᐊᕐᒥ ᐃᖃᓗᐃᑦ ᑎᓱᓲᓂᒃ



ᑎᑎᕋᐅᔭᖅᑕᐅᓯᒪᔪᑦ ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᓐᓄᑦ

ᓄᓇᖕᖑᐊᖅ 1. ᑲᓇᑕᒥᓇᓗᓇᐃᖅᓯᒪᔪᑦ ᓄᓇᕗᑦ ᐊᒻᒪ ᓄᓇᕋᓱᐊᖅ.

ᓇᓗᓇᐃᖅᑕᐅᓂᖓ:

*ᑲᓇᑕᒥ ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᑦ (ᖃᓪᓗᓈᑎᑐᑦ DFO) ᐱᕙᓪᓕᐊᑎᑦᑎᓇᓱᐃᓐᓇᖅᓯᒪᕗᑦ ᐃᖃᓗᓕᕆᓂᕐᒧᑦ ᑮᓇᐅᔭᓕᐅᕋᓱᖕᓂᕐᒥᒃ ᐅᑭᐅᖅᑕᖅᑐᒥ ᑕᐃᒪᓐᓇᓂᑦ 1970 ᐊᕐᕌᒍᖕᒋᑕ ᐱᒋᐊᕐᓂᖓᓂᑦ. ᖃᐅᔨᓴᕈᑕᐅᓪᓗᑎᒃ ᐃᖃᓗᒐᓱᖕᓂᒃᑯᑦ ᑮᓇᐅᔭᓂᒃ ᐱᕙᓪᓕᐊᑎᑦᑎᔪᓐᓇᕐᒪᖔᑦᑕ ᐃᖃᓗᖕᓂᒃ ᑎᓱᓲᓂᒃ (Salvelinus alpinus), ᓄᓇᕋᓱᐊᒥ (NT; ᒫᓐᓇ ᓄᓇᕋᓱᐊᖅ NT ᐊᒻᒪ ᓄᓇᕗᖑᓕᖅᑐᖅ NU) ᑰᑕᓕᕆᖃᑦᑕᖅᓯᒪᓕᖅᐳᒍᑦ ᐱᒋᐊᕐᓗᓂ 1973-ᒥᑦ (ᑯᕆᑦᑖᕗᓴᓐ ᐊᒻᒪ ᒪᒐᐅᐊᓐ 1981, ᒪᒐᐅᐊᓐ 1985 ᐅᓂᒃᑳᓕᐊᖕᒋᑦ ᒪᔨᒐᓗᒋᑦ). ᑯᕆᑦᑖᕗᓴᓐ ᐊᒻᒪ ᒪᒐᐅᐊᓐ (1981) ᓇᓗᓇᐃᖅᓯᓚᐅᖅᐳᑦ ᓈᓴᖅᑕᐅᕙᓪᓕᐊᔭᕆᐊᖃᖅᑐᓂᒃ ᐊᒻᒪ ᑕᑕᑎᕆᐊᓕᖕᓂᒃ ᐃᖃᓗᒐᓱᖕᓂᕐᒥᒃ ᐆᒃᑑᑕᐅᔪᓄᑦ. ᒪᒐᐅᐊᓐ ᐊᓯᖕᒋᓪᓗ (1993) ᓇᓗᓇᐃᖅᓯᒃᑲᓐᓂᓚᐅᖅᐳᑦ ᐃᖃᓗᓕᕆᓂᒃᑯᑦ ᑮᓇᐅᔭᓕᐅᕋᓱᖕᓂᕐᒧᑦ ᐊᑐᖅᑕᐅᔭᕆᐊᖃᖅᑐᓂᒃ ᐊᒻᒪ ᖃᐅᔨᓴᖅᑕᐅᔭᕆᐊᖃᕐᓂᖏᓐᓂᒃ ᐃᖃᓗᐃᑦ ᑕᓪᓕᒪᓄᑦ ᐊᕐᕌᒍᓄᑦ ᑮᓇᐅᔭᓕᐅᕈᑕᐅᓇᓱᒃᓗᑎᒃ ᐊᒥᓲᓂᖏᑦ ᑲᔪᓯᐊᑎᐊᕈᓐᓇᕋᓗᐊᕐᒪᖔᑕ.

ᐃᖃᓗᖕᓂᒃ ᐊᒻᒪ ᐃᒪᕐᒥᐅᑕᓂᒃ ᑲᒪᔨᑦ, ᑲᓇᑕᐅᑉ ᕿᑎᖓᓂ ᐊᒻᒪ ᐅᑭᐅᖅᑕᖅᑐᒥ, ᑐᒃᓯᕋᖅᓯᒪᓕᖅᐳᑦ ᖃᐅᔨᓴᖅᑎᓂᒃ ᑖᒃᑯᐊ ᑕᓪᓕᒪᓂᒃ ᐊᕐᕌᒍᓂᒃ ᖃᐅᔨᓴᕈᑏᑦ ᐃᖃᓗᒐᓱᖕᓂᕐᒧᑦ ᐱᕙᓪᓕᐊᑎᑦᑎᓇᓱᑏᑦ ᐋᖅᑭᒋᐊᖅᑕᐅᔭᕆᐊᖃᓕᕐᒪᖔᑕ ᐱᔾᔪᑎᒋᓪᓗᒋᑦ ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᐊᑐᐊᒐᓕᐊᕆᓚᐅᖅᑕᖕᒋᑦ ᐃᖃᓗᒐᓱᖕᓂᕐᒧᑦ ᑮᓇᐅᔭᓕᐅᕋᓱᖕᓂᕐᒧᑦ ᐊᑐᐊᒐᖕᒋᑦ ᓄᑖᑦ. ᑖᒃᑯᐊ ᐊᑐᐊᒐᑦ ᓴᖅᑭᓯᒪᓕᖅᑎᓪᓗᒋᑦ ᐊᒻᒪ ᐃᖃᓗᒐᓱᒐᕕᐅᔪᓐᓇᕋᔭᓐᖑᐊᖅᑐᑦ ᑖᒃᑯᐊ ᐃᖃᓗᒐᓱᖕᓂᕐᒥᒃ ᐱᕙᓪᓕᐊᑎᑦᑎᓂᕐᒧᑦ ᐅᒃᑐᕈᑏᑦ ᕿᒥᕐᕈᓇᒃᑕᐅᒃᑲᓐᓂᓇᐊᖃᓕᖅᐳᑦ ᐊᓯᖕᒋᓐᓄᑦ ᐃᖃᓗᖕᓄᑦ ᐊᑑᑎᖃᑦᑎᐊᕋᓗᐊᕐᒪᖔᑕ.

ᕿᒥᕐᕈᓇᒃᑏᑦ ᖃᐅᔨᓴᖅᑎᓄᑦ ᑲᑎᖅᓱᖅᑕᐅᓯᒪᔪᓂᒃ ᑲᑎᒪᓂᖃᓚᐅᖅᐳᑦ ᕿᒥᕐᕈᓇᖕᓂᐊᕐᓗᑎᒃ ᐊᒻᒪ ᐋᖅᑭᒋᐊᕈᑎᓕᐅᕐᓂᐊᕐᓗᑎᒃ ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᐃᖃᓗᓕᕆᓂᒃᑯᑦ ᑮᓇᐅᔭᓕᐅᕋᓱᖕᓂᕐᒧᑦ ᖃᐅᔨᓴᕐᓂᕐᒧᑦ ᐊᑐᐊᒐᖕᒋᓐᓂᒃ ᑕᒪᒃᑯᓂᖓ ᐃᖃᓗᖕᓂᒃ ᑎᓱᓲᓂᒃ ᓄᓇᕗᒻᒥ ᐊᒻᒪ ᓄᓇᕋᓱᐊᒥ ᑖᒃᑯᐊ ᐃᖃᓗᓕᕆᔪᓐᓇᐅᑎᓖᑦ ᖃᐅᔨᓴᖅᑕᐅᕋᑎᐊᖁᓪᓗᒋᑦ ᐃᖃᓗᖕᓂᒃ ᐊᒥᓲᓂᖏᓐᓂᒃ ᑲᔪᓯᐊᑎᐊᕈᓐᓇᕋᔭᕐᒪᖔᑕ.

ᓇᐃᓈᖅᑐᒥᒃ ᐅᓂᒃᑳᑦ

ᖃᐅᔨᓴᕈᑏᑦ ᐃᖃᓗᓕᕆᓂᒃᑯᑦ ᐱᕙᓪᓕᐊᑎᑦᑎᓂᕐᒧᑦ ᐊᑐᐊᒐᑦ ᖃᐅᔨᓴᕈᑏᑦ ᐃᖃᓗᖕᓂᒃ ᑕᕆᐅᕐᒧᑦ ᑎᓯᓲᓂᒃ, *Salvelinus alpinus* (ᓕᓂᐊᕐ ᓇᓗᓇᐃᒃᑯᑕᖕᒋᑦ), ᓄᓇᕗᒻᒥ (NU) ᐊᒻᒪ ᓄᓇᕋᓱᐊᒥ (NT) ᕿᒥᕐᕈᓇᒃᑕᐅᓚᐅᖅᐳᑦ ᐊᒻᒪ ᐊᑐᓕᕐᑯᔭᐅᔪᓂᒃ ᓴᖅᑭᑦᑎᔪᖃᓚᐅᖅᐳᖅ ᓱᓇᓂᒃ ᐊᒻᒪ ᖃᓄᑎᒋ ᖃᐅᔨᓴᕈᑎᓂᒃ ᐱᓯᒪᔭᕆᐊᖃᕐᒪᖔᑕ ᖃᐅᔨᓴᕐᓂᕐᒥᑦ. ᓇᓗᓇᐃᖅᓯᓚᐅᕆᕗᑦ ᖃᐅᔨᓴᖅᑕᐅᔪᓂᒃ ᑐᑭᓯᐅᒪᑦᑎᐊᓐᖏᓐᓂᐅᔪᓐᓇᖅᑐᓂᒃ ᑭᓪᓕᖏᓐᓂᒃ ᓈᓴᖅᑕᐅᓯᒪᔪᑦ ᕿᒥᕐᕈᓇᒃᑕᐅᑎᓪᓗᒋᑦ.

- ᑖᒃᑯᐊ ᑰᑕᓕᐊᖑᓯᒪᓂ ᓄᖑᑕᐅᑦᑎᐊᕆᐊᖃᖅᐳᑦ ᑕᓪᓕᒪᓂᒃ ᐊᕐᕌᒍᓂᒃ ᖃᐅᔨᓴᖅᑕᐅᓂᖕᒋᑕ ᐃᓗᐊᓂ.
- ᐆᒪᔪᓕᕆᓂᕐᒥᒃ ᖃᐅᔨᓴᕈᑏᑦ, ᖃᓄᑎᒋ ᐊᒥᓲᑎᒋᔪᓂᒃ ᐱᖃᑦᑕᕐᒪᖔᑕ ᓄᓗᐊᓂᒃ ᐃᓕᓯᓂᑕᒫᖅ, ᐊᒻᒪ ᐃᖃᓗᒃᑕᐅᔪᓐᓇᖅᑐᑦ ᐊᒥᓲᓂᕆᖃᑦᑕᖅᑕᖕᒋᑦ ᓄᐊᑕᐅᕙᓪᓕᐊᔭᕆᐊᖃᖅᐳᑦ ᐊᕐᕌᒍᑕᒫᖅ ᑕᓪᓕᒪᓄᑦ ᐊᕐᕌᒍᓄᑦ ᐃᖃᓗᐃᑦ ᐊᒥᐊᑯᖕᒋᑦ ᓈᓴᖅᑕᐅᓚᐅᖕᒋᓐᓂᖕᒋᓐᓂᒃ ᐊᒻᒪ ᐊᑐᓕᕐᑯᔭᐅᔪᑦ ᓴᖅᑭᑕᐅᓚᐅᖕᒋᓐᓂᖕᒋᓐᓂᒃ ᐃᖃᓗᒐᓱᒃᑲᐅᔪᖅ ᐊᒥᓲᓂᖕᒋᓐᓂᒃ ᑲᔪᓯᐊᕐᑎᐊᕈᓐᓇᕐᒪᖔᑦ ᐃᓱᒪᓕᐅᕈᑕᐅᓕᖅᑎᓪᓗᒍ.
- ᐆᒪᔪᓕᕆᓂᕐᒥᒃ ᖃᐅᔨᓴᕐᓂᖅ ᐱᖃᓯᐅᔭᔭᕆᐊᖃᖅᐳᖅ ᓇᓗᓇᐃᖅᓯᕙᒃᓗᓂ ᑕᑭᓂᖕᒋᓐᓂᒃ, ᐊᒃᑐᓂᖕᒋᓐᓂᒃ, ᐊᖑᑕᐅᖕᒪᖔᑦ/ᐊᕐᓇᐅᖕᒪᖔᑦ, ᐊᒻᒪ ᓂᐊᕐᑯᖕᒐᓂ ᓴᐅᓂᖕᒋᓐᓂᒃ 200 ᑐᖔᓃᓐᖏᓪᓗᑎᒃ ᐃᖃᓗᐃ ᖃᐅᔨᓴᖅᑕᐅᓯᒪᔪᑦ.
- ᐃᖃᓗᐃᑦ ᓄᐊᑕᐅᕙᓪᓕᐊᔪᑦ ᖃᐅᔨᓴᕐᓂᕐᒧᑦ ᐊᑯᓚᐃᓐᓂᖕᒋᑦ ᐱᔭᐅᕙᓪᓕᐊᔪᑦ ᓇᓗᓇᐃᖅᓯᒪᔭᕆᐊᖃᖅᐳᑦ (ᓲᕐᓗ, ᐱᖓᔪᐊᑦᑕᒫᖅ ᖃᑭᑕᐅᔪᑦ) ᐃᖃᓗᒐᓱᒃᑕᐅᔪᓐᓇᖅᑐᓂᒃ ᖃᐅᔨᓴᕐᓂᓕᒫᒥ.
- ᓂᕈᐊᖅᑕᐅᓯᒪᓐᖏᑦᑐᑦ ᐱᖃᓯᐅᑎᖃᑦᑕᖅᑐᑦ ᓄᓗᐊᓂᑦ ᓇᓗᓇᐃᖅᑕᐅᔭᕆᐊᖃᖅᐳᑦ, ᓈᓴᖅᑕᐅᓗᑎᒃ, ᐊᒻᒪ ᐃᒪᕐᒧᑦ ᐅᑎᖅᑎᑕᐅᕙᓪᓗᑎᒃ. ᑕᒪᒃᑯᐊ ᐅᑎᖅᑎᑕᐅᔭᕆᐊᖃᖅᑐᑦ ᐊᓐᓇᐅᒪᒐᔭᓐᖏᑦᑐᑦ ᐅᑎᖅᑎᒃᑲᓪᓗᐊᕐᓗᑎᑦ ᖃᐅᔨᓴᖅᑕᐅᖃᑕᐅᖃᑦᑕᕐᓂᐊᖅᑐᑦ (ᑕᑭᓂᖕᒋᓐᓂᒃ, ᐊᒃᑐᓂᖕᒋᓐᓂᒃ, ᐊᖑᑕᐅᖕᒪᖔᑦ/ᐊᕐᓇᐅᖕᒪᖔᑦ, ᐊᒻᒪ ᐅᑭᐅᖕᒋᑦ ᐱᔪᓐᓇᕋᖕᒐᑕ).

ᓇᓗᓇᐃᖅᑕᐅᓂᖕᒋᑦ ᐅᓂᒃᑳᓕᐊᖑᔪᑦ

ᐃᖃᓗᒐᓱᖕᓂᕐᒧᑦ ᑮᓇᐅᔭᓕᐅᕋᓱᖕᓂᖅ ᐃᖃᓗᖕᓂᒃ ᐅᓂᒃᑳᖑᖃᑦᑕᖅᓯᒪᕗᖅ ᑕᐃᒪᓐᖓᓂᑦ ᐱᖕᒋᐊᕐᓗᓂ 1940 ᐊᕐᕌᒍᖕᒋᑕ ᓄᖑᓕᕐᓂᖕᒋᓐᓂᒃ ᑕᐃᔭᐅᕙᓚᐅᖅᑐᒥ ᓄᓇᕋᓱᐊᖅ (*NT; NT; ᒫᓐᓇ ᓄᓇᕋᓱᐊᖅ NT ᐊᒻᒪ ᓄᓇᕗᖑᓕᖅᑐᖅ NU;* ᒍᕋᐃᔾᔪ 1953). 1973-ᒥ, ᐃᖃᓗᒐᓱᖕᓂᒃᑯᑦ ᐱᕙᓪᓕᐊᑎᑦᑎᓇᓱᖕᓂᕐᒥᒃ ᖃᐅᔨᓴᕐᓂᖅ ᓴᖅᑭᑕᐅᓚᐅᖅᐳᖅ ᐃᖃᓗᓕᕆᓂᕐᒧᑦ ᑲᑎᒪᔨᓄᑦ, ᐊᕙᑎᓕᕆᔨᒃᑯᓐᓂᑦ (ᒫᓐᓇ ᑕᐃᔭᐅᓕᖅᑐᑦ ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᓐᓂᒃ (DFO)), ᐱᓕᕆᖃᑎᖃᖅᑐᑎᒃ ᐆᒪᔪᓕᕆᔨᒃᑯᓐᓂᒃ, ᓄᓇᕋᓱᐊᑉ ᒐᕙᒪᒃᑯᖕᒋᓐᓂᒃ (GNWT), ᓴᖅᑭᑎᑦᑎᕙᓪᓕᐊᓇᓱᒃᑐᑎᒃ ᐃᖃᓗᓕᕆᓂᒃᑯᑦ ᐱᕙᓪᓕᐊᑎᑦᑎᓇᓱᖕᓂᕐᒥᒃ (ᑯᕆᑉᑖᕗᓴᓐ ᐊᒻᒪ ᒪᒡᒐᐅᐊᓐ 1981, ᒪᒡᒐᐅᐊᓐ 1985 ᐅᓂᒃᑳᓕᐊᖕᒋᑦ ᒪᔨᒡᓗᒋᑦ). ᑕᒪᓐᓇ ᐃᖃᓗᓕᕆᓂᒃᑯᑦ ᐱᕙᓪᓕᐊᑎᑦᑎᓇᓱᖕᓂᕐᒥᒃ ᖃᐅᔨᓴᕐᓂᖅ ᕿᒥᕐᕈᓇᓚᐅᖅᐳᖅ ᐃᖃᓗᐃᑦ ᐊᒥᓲᓂᖕᒋᑦ ᑲᔪᓯᐊᕐᑎᐊᕈᓐᓇᕐᒪᖔᑕ ᐃᖃᓗᒐᓱᒃᑕᐅᖃᑦᑕᕐᓗᑎᒃ, ᓴᖅᑭᑦᑎᕐᑯᓪᓗᒋᑦ ᑰᑕᒋᓂᐊᖅᑕᖕᒋᓐᓂᒃ, ᓇᓗᓇᐃᖅᓯᕙᓪᓕᐊᑦᑯᓪᓗᒋᑦ ᐊᑲᐅᓐᖏᓕᐅᕈᑕᐅᒐᔭᓐᖑᐊᖅᑐᓂᒃ, ᐊᒻᒪ ᓄᐊᑦᑎᑦᑯᓪᓗᒋᑦ ᐃᖃᓗᐃᑦ ᖃᐅᔨᓴᖅᑕᐅᓂᖕᒋᓐᓂᒃ. ᑰᑕᓪᓗᐊᑕᓂᒃ ᓴᖅᑭᑦᑎᔪᖃᓚᐅᖅᐳᖅ ᐊᒻᒪ ᐃᖃᓗᒐᓱᒃᑏᑦ ᑐᓕᔭᐅᓪᓗᑎᒃ ᑰᑕᓂᒃ ᓄᖑᑦᑎᐊᑦᑯᔭᐅᓪᓗᑎᒃ. ᐃᖃᓗᖕᓂᒃ ᖃᐅᔨᓴᕐᓂᕐᒧᑦ ᐊᑐᐊᒐᓕᐊᖑᓚᐅᖅᑐᑦ ᓇᓗᓇᐃᖅᓯᓯᒪᓚᐅᖅᐳᑦ 100 ᑐᖔᓃᓐᖏᑦᑐᓂᒃ ᐊᕐᕌᒍᑕᒫᖅ ᖃᐅᔨᓴᖅᓯᒪᔭᕆᐊᖃᕐᓂᖕᒋᓐᓂᒃ ᒪᑯᓂᖕᒐ ᑕᑭᓂᖕᒋᓐᓂᒃ , ᐊᒃᑐᓂᖕᒋᓐᓂᒃ, ᐊᖑᑕᐅᖕᒪᖔᑦ/ᐊᕐᓇᐅᖕᒪᖔᑦ, ᖄᖅᔭᓕᐅᓕᕐᒪᖔᑕ (ᐱᕕᒃᓴᖃᕐᖔᑕ), ᓱᓇᓂᒃ ᓂᕆᓯᒪᖕᒪᖔᑕ (ᐱᕕᒃᓴᖃᕐᖔᑕ), ᐊᒻᒪ ᐃᓐᓇᐅᓂᖕᒋᓐᓂᒃ (ᐊᒥᕋᖕᒋᑦ ᐊᒻᒪ ᓂᐊᕐᑯᖕᒐᑕ ᓴᐅᓂᖕᒋᑦ). ᐊᓯᖕᒋᑦ ᓄᓗᐊᖅᑕᐅᕙᒃᑐᑦ ᓇᓗᓇᐃᖅᑕᐅᓚᐅᖅᐳᑦ, ᓈᓴᖅᑕᐅᕙᓪᓕᐊᓪᓗᑎᒃ, ᐊᒻᒪ ᖃᐅᔨᓴᖅᑕᐅᕙᒃᑐᑎᒃ ᐱᔪᓐᓇᕋᖕᒐᑕ. ᐱᔭᐅᕙᓪᓕᐊᔪᑦ ᐊᒥᓲᓂᖕᒋᑦ, ᖃᓄᑎᒋ ᐱᔭᕆᐊᑐᖕᒪᖔᑕ, ᐊᒻᒪ ᖃᐅᔨᓴᖅᑕᐅᔪᑦ ᓇᓗᓇᐃᖅᑕᐅᕙᓪᓕᐊᓚᐅᖅᐳᑦ ᓄᓇᕋᓱᐊᑉ ᒐᕙᒪᒃᑯᖕᒋᓐᓄᑦ ᐃᖅᑲᓇᐃᔭᖅᑎᓄᑦ ᐊᒻᒪ ᓈᓴᖅᑕᐅᕙᓪᓕᐊᓯᒪᔪᑦ ᕿᒥᕐᕈᓇᒃᑕᐅᕙᒃᑐᑎᒃ ᐊᕙᑎᓕᕆᔨᒃᑯᓐᓄᑦ. ᑖᒃᑯᐊ ᐃᖃᓗᒐᓱᒍᓐᓇᕐᓂᕐᒥᒃ ᐆᒃᑑᑕᐅᔪᑦ ᐊᐅᓚᑕᐅᓚᐅᖅᐳᑦ ᐊᕐᕌᒍᓄᑦ ᒪᕐᕉᖕᓄᑦ ᐅᕝᕙᓗ ᐱᖓᓱᓄᑦ, ᐃᖃᓗᒐᓱᒍᓐᓇᐅᑏᑦ ᑐᓂᔭᐅᕙᒃᑐᑎᒃ ᐊᕐᕌᒍᑕᒫᖅ, ᓈᓴᖅᑕᐅᕙᓪᓕᐊᔪᑦ ᑲᑎᖅᓱᖅᑕᐅᓇᓱᖕᓂᖕᒋᓐᓂᒃ ᕿᒥᕐᕈᓇᒃᑕᐅᓂᐊᕐᓗᑎᒃ. ᖃᐅᔨᒪᔭᐅᓕᖅᐸᑕ ᖃᐅᔨᓴᕐᓂᐅᑉ ᓄᖑᓐᓂᖓᓂ ᐃᖃᓗᐃ ᐊᒥᓲᓂᖕᒋᑦ ᐄᔭᐅᕕᐅᓂᖕᒋᓐᓂᒃ ᑲᔪᓯᐊᕐᑎᐊᕈᓐᓇᖅᑐᑦ, ᐃᖃᓗᒐᓱᒍᓐᓇᐅᑎᒥᒃ ᑐᒃᓯᕋᕈᑎᓕᐅᖃᑦᑕᓚᐅᖅᑐᑦ ᒪᓕᒃᓗᒋᑦ ᐃᒪᒍᑕᖕᒋᑦ ᒪᓕᒐᐃ V ᓄᓇᕋᓱᐊᒥ ᑕᓯᖅ ᐃᖃᓗᒐᓱᕕᐅᔪᓐᓇᖅᑐᖅ ᓇᓗᓇᐃᖅᑕᐅᓪᓗᓂ.

ᑕᐃᒪᓐᖓᓂᑦ, ᐃᖃᓗᒐᓱᕕᐅᔪᓐᓇᖅᑐᓂᒃ ᖃᐅᔨᓴᕐᓂᖅ ᐊᑕᐅᓯᐊᕋᓂ ᐊᖅᑭᒋᐊᖅᑕᐅᖃᑦᑕᖅᓯᒪᕗᖅ. ᐃᖃᓗᒐᓱᒃᑏᑦ ᐃᖃᓗᒐᓱᖕᓂᕐᒥᒃ ᖃᐅᔨᓴᕈᑎᒧᑦ ᐱᓕᕆᔪᓐᓴᐅᑎᓂᒃ ᑐᓂᓯᔭᐅᕙᓕᖅᐳᑦ (ᓄᑖᖅ ᐃᖃᓗᒐᓱᖕᓂᕐᒥᒃ ᖃᐅᔨᓴᕐᓂᕐᒧᑦ ᐊᑐᐊᒐᑦ

ᐱᓕᕆᐊᖑᓂᖕᒋᑦ II; ᒪᒐᒐᐅᐊᓐ 1989, ᒪᒐᒐᐅᐊᓐ ᐊᓯᖕᒋᓪᓗ 1993, ᕑᓐᒎᕕᓐ–ᑐᐃᓐ ᐊᒻᒪ ᑖᓪᒪᓐ ᐅᓂᒃᑳᓕᐊᕆᕙᓪᓕᐊᔭᖕᒋᑦ ᒪᓕᒃᓗᒋᑦ). ᑖᒃᑯᐊ ᐊᓯᕈᖅᑎᑕᐅᓯᒪᔪᑦ 2009-ᒧᑦ ᑎᑭᓪᓗᒍ ᐅᑯᓂᖓ ᐱᖃᓯᐅᔾᔨᓯᒪᕗᑦ:

- ᐃᖃᓗᒐᓱᒍᓐᓇᐅᑎᒥᒃ ᑎᒍᒥᐊᖅᑎ ᓄᐊᑦᑎᔭᕆᐊᖃᖅᐳᖅ ᓈᓴᖅᑕᐅᕙᓪᓕᐊᔪᓂᒃ ᐊᕐᕌᒍᓄᑦ ᑕᓪᓕᒪᓄᑦ ᑲᑎᖅᓱᖅᓯᒪᔭᖕᒋᑦ ᕿᒥᕐᕈᓇᒃᑕᐅᓚᐅᓐᖕᒋᓐᓂᖕᒋᓐᓂᒃ.
- ᑕᒪᒃᑯᐊ ᐃᖃᓗᒐᓱᒃᑕᐅᔪᓐᓇᕐᓂᖕᒋᓐᓂᒃ ᖃᐅᔨᓴᖅᑕᐅᔪᑦ ᐱᖃᓯᐅᔾᔨᓯᒪᕗᑦ ᑕᓯᕐᒥ ᐊᒻᒪ ᑕᕆᐅᕐᒥ ᐃᖃᓗᒐᓱᖕᓂᕐᒥᒃ.
- ᐃᖃᓗᒐᓱᒃᑕᐅᔪᓐᓇᖅᑐᓂᒃ ᖃᐅᔨᓴᕐᓃᑦ ᐃᖃᓗᒐᓱᒍᓐᓇᐅᑎᖕᒋᑦ ᐆᒃᑐᕐᓂᐅᑉ ᐃᓗᐊᓃᑉᐳᑦ, ᐊᕐᕌᒍᑕᒫᖅ ᓄᑖᓐᖑᕆᐊᕆᐊᓖᑦ.
- 1990 ᓯᕗᓂᐊᓂ, ᓄᓇᑦᓯᐊᑉ ᒐᕙᒪᒃᑯᖕᒋᓐᓄᑦ ᐃᖅᑲᓇᐃᔭᖅᑏᑦ ᐅᐊᑦᑎᔨᐅᓚᐅᖅᐳᑦ ᐃᖃᓗᒐᓱᒍᓐᓇᕐᓂᕐᒥᒃ ᖃᐅᔨᓴᕐᓂᕐᒥᒃ, ᑭᓯᐊᓂᓕ 1990 ᑭᖑᓂᐊᓂ, ᑕᒪᒃᑯᐊ ᐃᖃᓗᒐᓱᒍᓐᓇᐅᑏᑦ ᑐᓂᔭᐅᖃᑦᑕᓕᓚᐅᖅᐳᑦ ᐆᒪᔪᕐᓂᐊᖅᑎᒃᑯᑦ ᑲᑎᒪᔨᖕᒋᓐᓄᑦ ᐊᒻᒪ ᓄᓇᓕᖕᒥᐅᑕᓄᑦ.
- ᐆᒪᔪᕐᓂᒃ ᖃᐅᔨᓴᖅᑕᐅᔭᕆᐊᓖᑦ ᓄᐊᑕᐅᕙᓪᓕᐊᕙᒃᐳᑦ ᐃᖃᓗᒐᓱᒍᓐᓇᐅᑎᒥᒃ ᑎᒍᒥᐊᖅᑐᒧᑦ ᐅᕝᕙᓗ ᐃᖃᓗᒐᓱᒍᓐᓇᐅᑎᓕᐅᑉ ᑎᓕᓯᒪᔭᖕᒐᓐᓄᑦ.
- ᑕᓪᓕᒪᓂᒃ ᐊᕐᕌᒍᓂᒃ ᖃᐅᔨᓴᕐᓂᕐᒧᑦ ᐊᑐᐊᒐᖅ ᓴᖅᑭᑎᑕᐅᓚᐅᖅᐳᖅ ᐃᓗᓕᖅᑲᕐᓗᓂ ᖃᓄᖅ ᖃᐅᔨᓴᖅᑕᐅᔭᕆᐊᖃᖅᑐᑦ ᓄᐊᑕᐅᕙᓪᓕᐊᔭᕆᐊᖃᕐᒪᖔᑕ ᑖᒃᑯᐊ ᑕᓪᓕᒪᑦ ᐊᕐᕌᒍᑦ ᓄᖑᒐᓱᖕᓂᖕᒋᓐᓂᒃ.
- 200-ᖑᔭᕆᐊᖃᖅᐳᑦ ᐃᖃᓗᐃᑦ ᖃᐅᔨᓴᖅᑕᐅᔪᑦ (100 ᓂᐊᕐᑯᖓᓂ ᓴᐅᓃᑦ) ᓯᕗᓪᓕᖅᐹᒥᒃ ᐊᕐᕌᒍᒥᒃ ᐊᒻᒪ ᑭᖑᓪᓕᖅᐹᒥᒃ ᐊᕐᕌᒍᒥᒃ, ᐊᒻᒪ ᑕᐃᒪᐃᕐᑯᔭᐅᒐᓗᐊᕆᕗᑦ ᐊᕐᕌᒍᓂᒃ ᐊᑯᓐᓂᖕᒋᓐᓂᒃ ᐱᕕᒃᓴᖃᑦᑎᐊᖅᐸᑕ.
- ᐃᖃᓕᒃᑕᐅᔪᑦ ᐊᒥᓲᓂᖕᒋᑦ, ᖃᓄᖅ ᐱᔭᕆᐊᑐᓂᖕᒋᑦ ᐊᒻᒪ ᐃᖃᓗᒃᑕᐅᓯᒪᓕᖅᑐᓕᒫᑦ ᓄᐊᑕᐅᔭᕆᐊᖃᖅᐳᑦ ᓈᓴᖅᑕᐅᓂᖕᒋᑦ ᑖᒃᑯᓇᓂᓕᒫᖅ ᑕᓪᓕᒪᓂᒃ ᐊᕐᕌᒍᓂᒃ.

ᑕᒪᓐᓇ ᐃᖃᓗᒐᓱᖕᓂᒃᑯᑦ ᐱᕙᓪᓕᐊᑎᑦᑎᓇᓱᖕᓂᖅ ᐃᖃᓗᖕᓂᒃ ᑕᕆᐅᕐᒧᑦ ᑎᓯᓲᓂᒃ ᐱᕙᓪᓕᐊᖕᒋᓐᓇᖅᐳᖅ, ᓄᓇᕗᒻᒥ ᐱᓂᖅᓴᐅᓪᓗᓂ. ᑕᒪᒃᑯᐊ ᐃᖃᓗᐃᑦ ᐱᑕᖃᕐᒥᖕᒪᑕ ᓄᓇᑦᓯᐊᒥ ᑕᐃᒪᐃᓐᓂᖕᒐᓄᑦ ᐃᖃᓗᒐᓱᖕᓂᕐᒧᑦ ᐊᑐᐊᒐᓕᐊᖑᔪᑦ ᐊᑐᕐᓂᖃᕆᐊᖃᖅᐳᑦ ᓄᓇᕗᒻᒥ ᐊᒻᒪ ᓄᓇᑦᓯᐊᒥ.

ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᐋᖅᑭᒃᓱᐃᕙᓪᓕᐊᕗᑦ ᐃᖃᓗᒐᓱᖕᓂᕐᒥᒃ ᑲᔪᓯᐊᑦᑎᐊᕈᓐᓇᖅᑐᒥᒃ ᐱᓕᕆᐊᒃᓴᐅᔪᓂᒃ ᑖᒃᑯᐊ ᐊᑐᖅᑕᐅᖃᑦᑕᕐᓂᐊᕐᓗᑎᒃ ᐃᖃᓗᒐᓱᖕᓂᕐᒥᒃ ᐃᓱᒪᓕᐅᖅᑕᐅᔪᓂᒃ ᑲᓇᑕᐅᑉ ᐃᓗᐊᓂ. ᑖᒃᑯᐊ ᐱᓕᕆᔪᓐᓇᐅᑏᑦ ᐃᓚᓕᐅᔾᔨᓯᒪᕗᑦ ᐊᑐᓕᓈᖅᑐᓂᒃ ᐊᒻᒪ ᓄᑖᓂᒃ ᐊᑐᐊᒐᕐᓂᒃ ᐃᖃᓗᓕᕆᓂᕐᒧᑦ, ᓄᖑᑎᑦᑎᑦᑕᐃᓕᒪᑎᑦᑎᓇᓱᖕᓂᕐᒧᑦ ᐊᒻᒪ ᑲᔪᓯᐊᑦᑎᐊᕈᓐᓇᖅᑐᒥᒃ ᐃᖃᓗᒐᓱᒍᓐᓇᐅᑎᓂᒃ, ᐊᐅᓚᔾᔪᑎᖕᒋᓐᓂᒃ ᐊᒻᒪ ᐊᑭᓕᖅᑕᐅᖃᑦᑕᕐᓂᖕᒋᓐᓂᒃ. ᑖᒃᑯᐊ ᓄᑖᑦ ᐃᖃᓗᒐᓱᒍᓐᓇᐅᑏᑦ ᐊᑐᐊᒐᖕᒋᑦ ᓴᖅᑭᑕᐅᓚᐅᖅᑐᑦ 1996-ᒥ ᓇᓗᓇᐃᖅᓯᓯᒪᓪᓗᑎᒃ ᖃᓄᖅ ᑕᒪᓐᓇ ᐃᖃᓗᒐᓱᖕᓂᕐᒥᒃ ᐱᕙᓪᓕᐊᑎᑦᑎᓂᖅ ᐱᓕᕆᐊᖑᔭᕆᐊᖃᕐᒪᖔᑦ ᐊᒻᒪ ᖃᓄᖅ ᐱᒋᐊᖅᑎᑕᐅᓚᐅᖕᒋᓐᓂᖕᒋᓐᓂᒃ ᐱᓕᕆᓯᒪᔭᕆᐊᖃᕐᒪᖔᑕ. ᑖᒃᑯᐊ ᐊᑐᐊᒐᑦ ᓇᓗᓇᐃᖅᓯᓯᒪᑦᑎᐊᖅᐳᑦ ᖃᐅᔨᓴᖅᑕᐅᔭᕆᐊᖃᕐᓂᖕᒋᓐᓂᒃ ᐃᖃᓗᐃᑦ ᐊᒥᓲᓂᖕᒋᑦ ᖃᐅᔨᒪᔭᐅᑦᑎᐊᕈᓐᓇᕐᑯᓪᓗᒋᑦ ᐃᖃᓗᒐᓱᖕᓂᕐᒧᑦ ᐊᑦᑐᖅᑕᐅᓂᖕᒋᑦ. ᑕᒪᓐᓇ ᐊᑐᐊᒐᕐᒥ ᐱᓇᓱᐊᒐᐅᕗᖅ ᐃᖃᓗᐃᑦ ᐊᒥᓲᓂᖕᒋᑦ ᐱᔭᐅᕙᓪᓕᐊᔪᓂᒃ ᑲᔪᓯᐊᑦᑎᐊᕈᓐᓇᕐᑯᓪᓗᒋᑦ ᓄᖑᓴᖅᑕᐅᓗᐊᓕᕐᑯᓇᒋᑦ. ᑖᒃᑯᐊ ᐊᑐᐊᒐᑦ ᐊᑐᕐᓂᖃᕐᓂᐊᖅᑐᑦ ᐃᖃᓗᒐᓱᖕᓂᓕᒫᓄᑦ ᑕᕆᐅᕐᒥ ᐊᒻᒪ ᑕᓯᕐᓂ ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᑲᒪᒋᔭᓕᒫᖕᒐᓂ.

ᑕᒪᒃᑯᐊᓂᖕᒐ ᐱᒋᐊᖅᑎᑦᑎᓇᓱᖕᓂᕐᒧᑦ ᐃᖃᓗᒐᓱᒍᓐᓇᕐᓂᕐᒥᒃ ᐊᑐᖅᑕᐅᒐᔪᒃᑐᑦ ᐃᒪᐃᓕᖕᒐᕗᑦ ᐱᖕᒐᓱᓕᖕᒐᓪᓗᑎᒃ (ᐅᑯᐊ ᐱᓯᒪᔪᑦ ᐅᕙᓐᖕᒐᑦ http://www.dfo-mpo.gc.ca/fm-gp/policies-politiques/efp-pnp-eng.htm#2):

i. ᓯᕗᓪᓕᖅ ᐱᓕᕆᓂᖅ (ᓴᖅᑭᑎᑕᐅᔪᓐᓇᕐᒪᖔᑦ ᖃᐅᔨᓴᕐᓂᖅ): ᑕᕝᕙᓂ ᐱᓇᓱᐊᒐᐅᔪᖅ ᖃᐅᔨᓇᓱᖕᓂᖅ ᐃᖃᓗᒐᓱᖕᓂᕐᒧᑦ ᐃᖃᓗᐃᑦ ᓄᖑᓴᖅᑕᐅᓗᐊᕋᔭᖕᖕᒋᒃᑲᓗᐊᕐᒪᖔᑕ, ᖃᓄᐃᑦᑐᓄᓪᓗ ᓄᓗᐊᓄᑦ ᐱᔭᐅᔪᓐᓴᕐᒪᖔᑕ, ᓇᓗᓇᐃᖅᓯᓂᖅ ᐊᓯᖕᒋᓐᓂᒃ ᐃᖃᓗᖕᓂᒃ ᐱᑕᖃᕐᒪᖔᖅ ᐊᒻᒪ ᐃᓂᖕᒋᑕ ᐊᑦᑐᐃᓂᓇᒐᔭᖅᑕᖕᒋᑦ ᐃᖃᓗᒐᓱᖕᓂᐅᑉ, ᓂᐅᕕᐊᒃᓴᐅᑦᑎᐊᕈᓐᓴᕐᒪᖔᑕ ᐊᒻᒪ ᑕᒪᒃᑯᐊ ᖃᓄᖅ ᐱᐅᓛᒥᒃ ᐱᓕᕆᐊᖑᔪᓐᓇᕐᒪᖔᑕ ᓯᕗᒧᑦᑎᐊᓚᐅᓐᖕᒋᓐᓂᖕᒋᓐᓂᒃ ᑭᖑᓪᓕᕐᒧᑦ ᐱᓕᕆᓂᕐᒧᑦ.

ii. ᑭᖑᓪᓕᖅ ᐱᓕᕆᓂᖅ (ᐃᖃᓗᒐᓱᖕᓂᕐᒥᒃ ᐆᒃᑐᕐᓂᖅ): ᐃᖃᓗᒐᓱᖕᓂᖅ ᐊᒻᒪ ᐃᖃᓗᐃᑦ ᐊᒥᓲᓂᖕᒋᓐᓂᒃ ᓈᓴᐃᓂᖅ ᐅᕙᓂ ᐱᓕᓲᖅ ᖃᐅᔨᓴᖅᑕᐅᓚᐅᖅᑎᓪᓗᒋᑦ ᓯᕗᓪᓕᕐᒥᒃ ᐱᓕᕆᓂᕐᒥᒃ. ᑕᕝᕙᓂ ᐱᓇᓱᖅᑕᐅᕙᖅᐳᑦ ᖃᐅᔨᓇᓱᖕᓂᖅ ᐃᖃᓗᐃᑦ ᐊᒥᓲᓂᖕᒋᑦ ᐄᔭᐃᕕᐅᓗᑎᒃ ᑲᔪᓯᐊᑦᑎᐊᕈᓐᓇᕋᓗᐊᕐᒪᖔᑕ ᐊᒻᒪ ᐃᖃᓗᖕᒋᓐᓂᒃ

ᖃᐅᔨᓴᕐᓂᖅ ᖃᐅᔨᕝᕙᓪᓕᕐᑯᓪᓗᑕ ᖃᓂᑎᒋ ᐊᒥᓲᑎᒋᖕᒪᖔᑕ ᐊᒻᒪ ᓇᒥ ᐃᓂᖃᖃᑦᑕᕐᒪᖔᑕ ᓇᓚᐅᑦᑖᑦᑎᐊᕈᓐᓇᕐᑯᓪᓗᑕ.

iii. ᐱᖓᔪᐊᑦ ᐱᓕᕆᓂᖅ (ᐃᖃᓗᒐᓱᒍᓐᓇᕐᓂᖅ): ᑕᕝᕗᖓ ᐱᓕᕆᓂᕐᒧᑦ ᑎᑭᓕᓲᖅ ᖃᐅᔨᓴᖅᑕᐅᓚᐅᖅᑎᓪᓗᒋᑦ ᐋᔭᐃᑯᐅᓂᖕᒋᑦ ᖃᓄᑎᒋ ᖃᐅᔨᒪᔭᐅᓕᕋᖓᑕ (ᑮᓇᐅᔭᔭᒃᓴᕐᑎᐊᔪᓐᓇᕐᓂᖕᒋᑦ ᐊᒻᒪ ᐊᒥᓲᓂᖕᒋᑦ). ᑕᕝᕗᖓ ᑎᑭᑦᑐᑦ ᐱᓕᕆᓂᕐᒧᑦ ᐸᕐᓇᒍᑎᓕᐅᖅᑕᐅᓲᖑᕗᑦ ᐃᖃᓗᒐᓱᒍᓐᓇᕐᓂᐊᖅᑕᖕᒋᓐᓂᒃ.

ᑖᒃᑯᐊ ᐱᓕᕆᐊᒃᓴᓕᐊᖑᓯᒪᔪᑦ ᑭᓪᓕᖃᓪᓚᑦᑖᕐᓗᑎᒃ ᐱᓯᒪᓲᓐᖑᓐᖕᒋᓚᑦ ᐊᒻᒪ ᐃᓛᓐᓂᒃᑯᑦ ᐱᓕᕆᓂᖅ ᓯᕗᓪᓕᖅ ᐊᒻᒪ ᑭᖑᓕᖓ ᐊᑕᐅᑦᑎᒃᑰᓕᖓᓲᖑᕗᑦ. ᑕᐃᒪᐃᓐᓇᓲᑦ ᐃᖃᓗᐃᑦ ᑕᕆᐅᕐᒧᑦ ᑎᓱᓲᑦ ᖃᐅᔨᓴᖅᑕᐅᓯᒪᔭᕇᖅᓯᒪᒫᖓᑕ ᓯᕗᒧᒍᓐᓇᑦᑕᐅᑎᒋᓪᓗᑎᒃ ᑭᖑᓂᖓᓄᑦ ᐱᓕᕆᓂᕐᒧᑦ.

ᐃᖃᓗᓕᕆᓂᕐᒥᒃ ᑲᒪᔩᑦ ᐊᐱᖅᑯᑎᖃᓚᐅᖅᐳᑦ "ᖃᓄᖅ ᑖᒃᑯᐊ ᐋᖅᑭᒋᐊᕆᐊᖃᖅᐸᑦ ᖃᐅᔨᓴᕐᓃᑦ ᑕᓪᓕᒪᓂᒃ ᐊᕐᕌᒍᓂᒃ ᐊᑐᐊᒐᑦ ᐊᑐᕐᓂᖃᑦᑎᐊᕈᓐᓇᕐᑯᓪᓗᒋᑦ ᒫᓐᓇ ᐱᔭᕆᐊᖃᓕᖅᑐᓂᒃ ᐅᑯᐊ ᓴᖅᑭᑕᐅᓯᒪᓕᕐᓂᖕᒋᓐᓄᑦ:

- ᐊᑐᓕᖅᑎᑕᐅᓂᖓ ᓄᑖᖅ ᐃᖃᓗᒐᓱᒍᓐᓇᐅᑎᒧᑦ ᐊᑐᐊᒐᖅ (ᐱᖓᔪᐊᑦ ᐱᓕᕆᓂᖅ ᐱᓗᐊᖅᑐᒥᒃ), ᐊᒻᒪ
- ᐊᔾᔨᒌᓐᖕᒋᑦᑐᑦ ᐃᖃᓗᒐᓱᒃᑕᐅᔪᓐᓇᖅᑐᑦ ᐊᒥᓱᕈᕆᐊᖅᑕᐅᓯᒪᓕᖅᑎᓪᓗᒋᑦ ᐃᖃᓗᒐᓱᒍᓐᓇᐅᑎᒧᑦ ᐊᑐᐊᒐᕐᒥ."

ᑖᒃᑯᐊ ᑐᒃᓯᕋᐅᑕᐅᑎᓪᓗᒋᑦ ᐃᓱᒪᓕᐅᕈᑕᐅᓂᖕᒋᑦ ᐱᓕᕆᐊᖑᔭᕆᐊᖃᖅᐳᑦ ᖁᓕᓈᖑᔪᓂᒃ ᐱᓕᕆᐊᖑᓗᑎᒃ. ᐊᔾᔨᒌᓐᖕᒋᑦᑑᓂᖕᒋᑦ ᐃᖃᓗᒐᓱᒃᑕᐅᔪᓐᓇᖅᑐᑦ ᐱᔾᔪᑕᐅᓗᑎᒃ ᐊᑕᐅᓯᐅᓐᖕᒋᑦᑐᒥᒃ ᐊᑐᐊᒐᓕᐅᕆᐊᖃᕐᓂᐊᖅᐳᒍᑦ.

ᐅᓇ ᕿᒥᕐᕈᓇᖕᓂᖅ ᐱᓕᕆᓂᐅᓗᐊᕐᓂᖅᓴᐅᓚᐅᖅᐳᖅ ᑭᖑᓪᓕᕐᒥᒃ ᐱᓕᕆᓂᕐᒥᒃ ᐃᖃᓗᒐᓱᖕᓂᒃᑯᑦ ᑮᓇᐅᔭᓕᐅᕈᑎᑖᕈᒪᓂᕐᒧᑦ ᐱᓕᕆᔪᓐᓇᐅᑎᒥᒃ ᑐᒃᓯᕋᐅᑎᓂ ᓇᓗᓇᐃᖅᓯᓇᓱᒃᓗᓂ ᕿᒥᕐᕈᓇᒃᑕᐅᓯᒪᓂᖕᒋᑦ ᓈᒻᒪᑦᑎᐊᕋᓗᐊᕐᒪᖔᑕ ᖃᐅᔨᓴᖅᑕᐅᓯᒪᓂᖕᒋᓐᓄᑦ ᐋᔭᐃᕕᐅᔪᒪᔪᑦ ᐊᑦᑐᐃᓂᖕᒋᓐᓂᒃ ᐊᒥᓲᓂᖕᒋᓐᓂᒃ ᐊᒻᒪ ᑖᒃᑯᐊ ᐋᔭᖅᑕᐅᖃᑦᑕᕈᒪᔪᑦ ᑲᔪᓯᐊᔾᔪᑕᐅᑦᑎᐊᕈᓐᓇᕋᓗᐊᕐᒪᖔᑕ ᓯᕗᓂᑐᖃᕐᒧᑦ.

ᖃᐅᔨᓴᕐᓂᖅ

ᓇᓗᓇᐃᖅᓯᓇᓱᖕᓂᖅ ᐊᑦᑐᐃᓂᖕᒋᓐᓂᒃ ᐃᖃᓗᒐᓱᖕᓂᐅᑉ

ᐊᑕᐅᓯᖅ ᖃᐅᔨᓴᕐᓂᕐᒥᒃ ᐱᓕᕆᐊᖑᔪᓐᓇᖅᑐᖅ ᐊᑦᑐᐃᒐᔭᕐᓂᖕᒋᓐᓂᒃ ᐃᖃᓗᒐᓱᖕᓂᕐᒧᑦ ᕿᒥᕐᕈᓇᖕᓂᐅᕗᖅ ᖃᐅᔨᓇᓱᖕᓂᕐᒥᒃ ᖃᓄᑎᒋ ᐊᒥᓲᑎᒋᔪᓂᒃ ᐋᖅᓯᕕᐅᖃᑦᑕᕈᓐᓇᕐᒪᖔᑕ ᐊᒥᓲᓂᖕᒋᓐᓂᒃ ᐊᑦᑐᐃᓗᐊᓐᖕᒋᓪᓗᓂ. ᑭᓯᐊᓂ, ᑕᐃᒫᒃ ᖃᐅᔨᓴᕐᓂᐊᕐᓂᕐᓗᓂ ᖃᐅᔨᓴᓂᖃᓇᐊᖃᖅᐳᒍᑦ ᐃᖃᓗᒐᓱᒃᑕᐅᔪᒪᔪᑦ ᐊᒥᓲᓂᖕᒋᓐᓂᒃ ᐊᒻᒪ ᐋᔭᖅᑕᐅᕙᓪᓕᐊᓂᖕᒋᑕ ᑭᒃᑯᑐᐃᓐᓇᕐᓄᑦ ᐊᒥᓲᓂᖕᒋᓐᓂᒃ, ᑕᒪᓐᓇᓗ ᖃᐅᔨᒪᓇᑦᑎᐊᕈᓐᓇᖕᒋᓚᖅ ᑕᕆᐅᕐᒧᑦ ᑎᓱᓲᓄᑦ ᐃᖃᓗᖕᓄᑦ ᓄᓇᕗᒻᒥ ᐊᒻᒪ ᓄᓇᕐᓯᐊᒥ.

ᑕᐃᒫᒃ ᐊᒥᓲᓂᖕᒋᓐᓂᒃ ᓇᓚᐅᑦᑖᕐᓂᖅ ᖃᐅᔨᔭᐅᔭᔪᑕᐅᔪᓐᓇᖕᒋᑉᐸᑦ ᑕᐃᒪ ᐃᖃᓗᒐᓱᖕᓂᕐᒥᒃ ᐆᒃᑐᕐᓂᒃᑯᑦ ᖃᐅᔨᓴᖕᒐᕈᓐᓇᕆᕗᒍᑦ (ᓱᕐᓗ, ᑰᑕᖕᒋᓐᓂᒃ ᓇᓗᓇᐃᖅᓯᓯᒪᓗᑕ ᐱᓇᓱᐊᖅᑕᐅᓂᐊᕐᓗᑎᒃ ᐊᕐᕌᒍᓂᒃ ᓇᓗᓇᐃᖅᓯᒪᔪᓂ) ᑕᐃᒫᒃ ᕿᒥᕐᕈᓇᒡᓗᑕ ᐋᖅᑕᐅᔪᓐᓇᖅᑐᑦ ᓇᓗᓇᐃᖅᓯᒪᔪᑦ ᖃᓄᑎᒋ ᐊᑦᑐᐃᓂᖃᕐᒪᖔᑕ ᐃᖃᓗᒐᓱᒃᑕᐅᔪᑦ ᐊᒥᓲᓂᖕᒋᓐᓂᒃ ᐊᒻᒪ ᖃᐅᔨᓴᕐᓗᑕ ᑕᐃᒫᒃ ᐋᔭᐃᕕᐅᓗᑎᒃ ᐊᑦᑐᐃᓂᕐᓗᒃᑲᔭᖕᒋᒃᑲᓗᐊᕐᒪᖔᑕ ᓯᕗᓂᑐᖃᕐᒧᑦ ᑲᔪᓯᐊᔾᔪᓐᓇᕐᓂᖕᒋᓐᓂᒃ ᐃᖃᓗᒐᓱᒃᑕᐅᓗᑎᒃ ᑮᓇᐅᔭᓕᐅᕋᓱᖕᓂᕐᒧᑦ.

ᐱᒋᐊᓕᕋᑖᕐᓂᖓᓂ ᐃᖃᓗᒐᓱᒃᑕᐅᔪᓐᓇᖅᑐᑦ ᖃᐅᔨᓴᕐᓂᐅᑉ, ᖃᑦᓱᓐᓇᐅᓇᓱᒋᐊᖃᖅᐳᑦ ᑰᑕᓕᐊᖑᔪᑦ ᐊᒻᒪ ᐃᖃᓗᒐᓱᒃᑏᑦ ᐱᓇᓱᐊᕆᐊᖃᖅᑎᑕᐅᔭᕆᐊᖃᖅᐳᑦ ᑰᑕᓕᐊᖑᔪᑦ ᐊᒻᒪ ᐃᖃᓗᒐᓱᒃᑏᑦ ᖃᑦᓱᓐᓇᐅᓇᓱᒋᐊᖃᖅᑎᑕᐅᔭᕆᐊᖃᖅᐳᑦ ᑰᑕᓕᐊᖑᔪᓕᒫᑦ ᓄᖑᒐᓱᖃᑦᑕᕐᓗᒋᑦ ᐊᕐᕌᒍᑕᒫᖅ ᑕᓪᓕᒪᓄᑦ ᐊᕐᕌᒍᓄᑦ ᖃᐅᔨᓴᖅᑕᐅᓂᖓᓂ. ᑕᒪᓐᓇ ᑰᑕᒥᒃ ᓇᓗᓇᐃᖅᑕᐅᓯᒪᔪᒥᒃ ᓄᖑᑦᑎᑦᑎᐊᕋᓱᖕᓂᖅ ᐱᒻᒪᕆᐅᖅ ᖃᓄᑎᒋ ᐊᑯᓂᐅᑎᒋᔪᖅ ᑎᑭᑕᐅᓇᓱᖃᑦᑕᕐᓂᖕᒋᑦ ᓇᓗᓇᐃᒃᑯᑕᐅᔪᓐᓇᕐᒪᑕ ᐃᖃᓗᒐᓱᒃᑕᐅᔪᑦ ᐊᒥᓲᓂᕆᔭᖕᒋᓐᓂᒃ ᐊᒻᒪ ᐱᐅᒐᓗᐊᕐᒪᖔᑕ ᑖᒃᑯᐊ ᐃᖃᓗᒐᓱᒃᕕᐅᔪᓐᓇᕐᓂᖕᒋᑦ. ᓱᕐᓗ, ᑰᑕᓕᐊᖑᓯᒪᔪᖅ ᑎᑭᑕᐅᔪᓐᓇᖅᐸᑦ ᓇᒥ ᐱᓇᓱᕕᐅᔪᒥ, ᑭᓯᐊᓂ ᐊᑯᓂᐅᓂᖓ ᐊᑯᓂᐅᓗᐊᖅᐸᑦ, ᑕᒪᓐᓇ ᖃᐅᔨᒪᔾᔪᑕᐅᔪᓐᓇᖅᐳᖅ ᐃᖃᓗᒐᓱᒃᑕᐅᔪᑦ ᖃᑦᓱᓐᓇᐅᓗᐊᕐᓂᖕᒋᓐᓂᒃ ᑕᐅᕙᓂ ᑕᐃᐸᓱᒪᓂᐅᑎᓪᓗᒍ, ᖃᐅᔨᔾᔪᑕᐅᓗᓂ ᐃᖃᓗᒐᓱᒋᐊᖓ ᑖᒃᑯᐊ ᐱᐅᓐᖕᒋᓐᓂᖕᒋᓐᓂᒃ ᑲᔪᓯᐊᑐᖃᐅᔭᕈᓐᓇᓐᖕᒋᓐᓂᖕᒋᓐᓂᒃ.

ᐊᒻᒪ ᑭᖑᒧᖕᒑᖅ, ᑰᑕᓕᐊᖑᓯᒪᔪᖅ ᑎᑭᑕᐅᔪᓐᓇᖃᑦᑕᖅᐸᑦ ᐊᑯᓂᐅᓗᐊᓐᖕᒋᑦᑐᖅ ᐱᔭᕆᐊᑐᓗᐊᓐᖕᒋᓪᓗᓂ ᐊᕐᕌᒍᑕᒫᖅ ᖃᐅᔨᓴᖅᑕᐅᓂᖓᓂ, ᑕᒪᓐᓇ ᖃᐅᔨᒪᔾᔪᑕᐅᔪᓐᓇᖅᐳᖅ ᐃᖃᓗᒐᓱᒃᑕᐅᔪᓐᓇᖅᑐᑦ ᐊᒥᓲᑦᑎᐊᕐᓂᖕᒋᓐᓂᒃ ᑕᐅᕙᓂ ᑕᐃᐸᓱᒪᓂᐅᑎᓪᓗᒍ, ᐊᒻᒪ ᐃᖃᓗᒐᓱᖕᓂᐅᔪᓐᓇᖅᑐᖅ ᑲᔪᓯᐊᑦᑎᐊᕈᓐᓇᕐᓂᖓᓂᒃ. ᑭᓯᐊᓂ ᑯᑕᓕᐊᖑᓯᒪᔪᒧᑦ ᑎᑭᐅᑎᓇᓱᑦᑎᐊᖃᑦᑕᓐᖕᒋᐸᑕ, ᑖᒃᑯᐊ ᐃᖃᓗᒐᓱᒃᑕᐅᔪᑦ ᐊᒥᓲᓂᖕᒋᓐᓂᒃ ᐊᒻᒪ ᖃᓄᖅ ᐊᑦᑐᐃᔭᐅᓂᖕᒋᓐᓂᒃ, ᑐᑭᓯᓂᕐᓗᒍᑕᐅᔪᓐᓇᖅᐳᖅ; ᐃᖃᓗᐃᑦ ᐊᒥᓲᑦᑎᐊᕋᓗᐊᕐᓗᑎᒃ ᑭᓯᐊᓂ ᐱᓇᓱᒃᑕᐅᑦᑎᐊᖕᒋᓐᓂᖕᒋᓐᓄᑦ ᐃᓱᒪᓕᐅᕈᑕᐅᔪᓐᓇᖅᐳᑦ ᐱᑕᖃᑦᑎᐊᖕᒋᑦᑐᒋᔭᐅᓗᑎᒃ ᐅᕝᕙᓗ ᐱᓇᓱᒃᑕᐅᖃᑦᑕᕐᓂᖕᒋᑦ ᐊᔾᔨᒌᖕᒋᑦᑐᒥᒃ ᐊᐅᓚᑕᐅᓂᖃᖅᐸᑕ ᐊᕐᕌᒍᑕᒫᖅ ᐱᑦᑎᐊᓚᐅᖅᐸᒡᓗᑎᒃ ᐊᓯᖕᒋᓐᓂᒃ ᐱᓇᓱᑦᑎᐊᖅᑕᐅᖃᑦᑕᖕᒋᐸᑕ.

ᑰᑕᓕᐊᖑᓯᒪᔪᓂᒃ ᑎᑭᒐᓱᐃᓐᓇᑦᑎᐊᖃᑦᑕᕐᓂᖅ ᐃᖃᓗᒐᓱᒃᑕᐅᔪᓐᓴᕐᓂᖓᓂᒃ ᖃᐅᔨᓴᖅᑕᐅᑎᓪᓗᒍ ᓱᓕ ᐱᒻᒪᕐᑭᐅᒋᕗᖅ ᖃᓄᖅ ᐊᓯᕈᖅᐸᓪᓕᐊᖕᒪᖔᑕ ᖃᐅᔨᓴᕐᓂᕐᒥᒃ ᐃᖃᓗᒐᓱᒃᑕᐅᔪᑦ. ᐃᖃᓗᒐᓱᒃᑏᑦ ᐆᒃᑐᖃᑦᑕᕐᑯᔭᐅᕗᑦ ᑕᑭᓂᖕᒋᓐᓂᒃ, ᐊᒃᑐᓂᖕᒋᓐᓂᒃ ᐊᒻᒪ ᓂᐊᕐᑯᖓᑕ ᓴᐅᓂᖕᒋᓐᓂᒃ ᐊᕐᕌᒍᑕᒫᖅ ᐃᖃᓗᒃᑕᐅᕙᒃᑐᓪᓗ ᐊᒥᓲᓂᖕᒋᓐᓂᒃ ᓇᓗᓇᐃᖅᓯᕙᓪᓕᐊᖕᒋᓐᓇᕐᓗᑎᒃ. ᑖᒃᑯᐊ ᓄᐊᑕᐅᕙᓪᓕᐊᔪᑦ ᐊᒻᒪ ᓈᓴᖅᑕᐅᖃᑦᑕᖅᓯᒪᔪᑦ ᐊᑐᕐᓗᒋᑦ ᖃᐅᔨᓴᐅᑕᐅᔪᓐᓇᖅᐳᑦ ᐃᖃᓗᒐᓱᒃᑕᐅᔪᑦ ᖃᓄᖅ ᐊᓯᕈᖅᐸᓪᓕᐊᖕᒪᖔᑕ ᐄᔭᐃᕕᐅᕙᓕᖅᑎᓪᓗᒋᑦ. ᐊᓯᕈᓗᐊᕐᓂᖕᒋᑦ ᓱᕐᓗ ᐃᓐᓇᐅᓂᖕᒋᑕ ᐊᒥᓲᓂᖕᒋᓐᓂᒃ, ᐆᒃᑑᑎᒋᓗᒍ, ᐃᓐᓇᐅᓂᖕᒋᑦ ᐊᔾᔨᒌᖕᒋᓐᓇᐸᓘᓕᕐᓂᖅᐸᑕ, ᑕᒪᓐᓇ ᖃᐅᔨᒪᔾᔪᑕᐅᔪᓐᓇᖅᐳᖅ ᐃᖃᓗᒐᓱᒃᑕᐅᓂᕐᒧᑦ ᐊᑦᑐᐃᓂᕐᓗᒃᑕᐅᓂᖕᒋᓐᓂᒃ ᐊᒻᒪ ᐃᖃᓗᒐᓱᖕᓂᖅ ᑲᔪᓯᐊᑦᑎᐊᕈᓐᓇᖕᒋᓐᓂᖓᓂᒃ ᐊᒻᒪ ᑰᑕᓕᐊᖑᕙᒃᑐᑦ ᐊᓯᕈᕆᐊᖅᑕᐅᔭᕆᐊᖃᓕᕐᓂᖕᒋᓐᓂᒃ.

ᑕᐃᒪᐃᓐᓂᖓᓄᑦ, ᐱᕐᑯᔭᐅᓯᒪᔪᑦ ᐊᑐᖅᑕᐅᑦᑎᐊᖅᓯᒪᓐᖕᒋᑎᓪᓗᒋᑦ ᐊᑦᑐᐃᓂᕐᑲᕈᓐᓇᖅᐳᑦ ᑰᑕᓕᐊᖑᔪᓐᓇᕐᓂᖕᒋᓐᓂᒃ ᐃᖃᓗᒐᓱᖕᓂᐅᑉ ᖃᐅᔨᓴᖅᑕᐅᓂᖓᓂᒃ (ᐊᒥᓲᓂᖕᒋᓐᓂᒃ ᐊᒻᒪ ᖃᓄᖅ ᐃᓕᖅᑯᓯᖃᕐᒪᖔᑕ) ᑕᐃᒫᒃᓗ ᑲᔪᓯᐊᑦᑎᐊᕈᓐᓇᕋᓗᐊᕐᒪᖔᑦ ᖃᐅᔨᔭᐅᑦᑎᐊᓐᖕᒋᒍᑕᐅᔪᓐᓇᖅᐳᖅ.

ᐱᔭᐅᕙᒃᑐᑦ ᐱᔭᕆᐊᑐᓂᖕᒋᓐᓂᒃ ᖃᐅᔨᓴᕐᓂᖅ

ᖃᐅᔨᓴᕐᓂᖅ ᐱᔭᐅᕙᒃᑐᑦ ᐱᔭᕆᐊᑐᓂᖕᒋᓐᓂᒃ ᓄᓗᐊᓕᕆᓂᑕᒫᖅ ᖃᐅᔨᔾᔪᑕᐅᔪᓐᓇᕆᕗᑦ ᖃᓄᑎᒋ ᐊᒥᓲᓂᖃᕐᒪᖔᑕ ᐃᖃᓗᐃᑦ. ᑭᓯᐊᓂ, ᐃᓱᒪᓕᐊᖑᓯᒪᔪᑦ ᐅᔾᔨᖅᓱᑦᑎᐊᕆᐊᖃᖅᐳᑦ ᑕᐃᒫᒃ ᖃᐅᔨᓴᕈᑕᐅᓂᐊᖅᑎᓪᓗᒍ, ᓱᕐᓗ ᐅᑯᓂᖓ (ᕆᑯ 1975):

- ᐃᖃᓗᐃᑦ ᐊᒥᓲᓂᖕᒋᑕ ᖃᓄᐃᓕᖓᓂᖕᒋᑦ ᐊᔾᔨᒌᖕᒋᓐᓇᐸᓘᓂᖕᒋᑦ.
- ᐃᖃᓗᐃᑦ ᐱᔭᐅᖃᑦᑕᕐᓂᖕᒋᑦ ᐱᔭᒃᓴᐃᓐᓇᐅᕗᑦ ᐊᔾᔨᒌᓄᑦ ᓄᓗᐊᓄᑦ.
- ᐃᖃᓗᒐᓱᖕᓂᐅᕙᒃᑐᖅ ᐊᒻᒪ ᓄᓗᐊᑦ ᐊᔾᔨᒌᖕᒋᓐᓇᐅᕗᑦ.
- ᐃᖃᓗᐃᑦ ᑲᑎᖅᓱᖃᑦᑕᕐᓂᖕᒋᑦ ᓇᒥᑐᐃᓐᓈᖅᐳᑦ.

ᖃᐅᔨᓴᕐᓂᖅ ᐱᔭᐅᕙᒃᑐᑦ ᐱᔭᕆᐊᑐᓂᖕᒋᓐᓂᒃ ᐱᔭᕐᓂᖅᑑᒐᓗᐊᖅ ᐊᒻᒪ ᖃᐅᔨᓴᕐᓗᒍ ᐊᑭᑐᓗᐊᕐᓇᓂ, ᑭᓯᐊᓂ ᖃᐅᔨᓴᕐᓂᑐᐊᖑᓗᓂ ᑕᐃᒫᒃ ᐃᖃᓗᐃᑦ ᐊᒥᓲᓂᖕᒋᓐᓂᒃ ᐊᒻᒪ ᑲᔪᓯᐊᑦᑎᐊᕈᓐᓇᕐᓂᖕᒋᓐᓂᒃ ᐱᐅᓐᖕᒋᓚᖅ. ᑭᓯᐊᓂᓕ, ᑖᒃᑯᐊ ᐱᔭᕆᐊᑐᓂᖕᒋᓐᓂᒃ ᖃᐅᔨᓴᕐᓂᖅ ᐃᓚᓕᐅᑎᑦᑎᐊᕐᓗᒍ ᐊᓯᖕᒋᓐᓄᑦ ᖃᐅᔨᓴᕈᑎᓄᑦ ᐱᕙᓪᓕᕈᑕᐅᑦᑎᐊᕈᓐᓇᖅᐳᖅ ᖃᐅᔨᓴᖅᑕᐅᓂᖕᒋᑦ ᑐᑭᓯᕙᓪᓕᕈᑕᐅᓂᖕᒋᓐᓄᑦ.

ᐃᖃᓗᐃᑦ ᖃᐅᔨᓴᖅᑕᐅᓂᖕᒋᑦ

ᐃᖃᓗᐃᑦ ᐊᒥᓲᓂᖕᒋᑕ ᒪᑭᒪᑦᑎᐊᕐᓂᖕᒋᓐᓂᒃ ᖃᐅᔨᓴᖅᑕᐅᔪᓐᓇᖅᐳᑦ ᖃᓄᑐᐃᓐᓇᒐᓚᒃ ᐃᖃᓗᒃᑕᐅᕙᒃᑐᑦ ᖃᐅᔨᓴᕐᓂᒃᑯᑦ ᒪᑯᓂᖓ ᐃᓐᓇᐅᓂᖕᒋᓐᓂᒃ ᐊᒻᒪ ᐊᖕᒋᓂᖕᒋᓐᓂᒃ ᐃᓚᕙᓪᓕᐊᓂᖕᒋᓐᓂᒃᓗ ᐊᒻᒪ ᑐᕐᑯᕙᓪᓕᐊᓂᖕᒋᓐᓂᒃ. ᑖᒃᑯᐊ ᖃᐅᔨᓴᖅᑕᐅᔭᕆᐊᖃᖅᐳᑦ ᑕᑭᓂᖕᒋᑦ, ᐊᒃᑑᓂᖕᒋᑦ, ᐊᖑᑕᐅᓂᖅ/ᐊᕐᓇᐅᓂᖅ ᐊᒻᒪ ᐃᓐᓇᐅᓂᖕᒋᑦ (ᓂᐊᕐᑯᖕᒋᑕ ᓴᐅᓂᖕᒋᒍᑦ). ᑕᒪᒃᑯᓂᖓ ᓄᐊᑦᑎᕙᓪᓕᐊᓂᖅ ᓄᓇᕗᒻᒥ ᐊᒻᒪ ᓄᓇᕐᓯᐊᒥ ᐃᖃᓗᒐᓱᖕᓂᐅᔪᓐᓇᖅᑐᒥᒃ ᖃᐅᔨᓴᕐᓂᕐᒥᑦ ᐱᔭᕆᐊᖃᖅᑎᑕᐅᓯᒪᕗᑦ ᐊᒻᒪ ᑕᒪᓐᓇ ᓈᒻᒪᒃᐳᖅ ᖃᐅᔨᓴᖅᑕᐅᓂᕐᒧᑦ.

ᐊᒥᓲᔭᕆᐊᖃᕐᓂᖕᒋᑦ ᖃᐅᔨᓴᖅᑕᐅᕙᓪᓕᐊᔪᑦ ᓄᐊᑦᑎᓂᖕᒋᑦ

ᐃᖃᓗᒐᓱᒃᑏᑦ ᑎᒥᕐᑯᑎᖕᒋᑦ ᑕᒪᒃᑯᓂᖓ ᖃᐅᔨᓴᕈᑎᖃᓲᖑᕗᑦ ᓇᓪᓕᐊᑦ ᐃᖃᓗᒃᑕᐅᕙᓪᓕᐊᔪᓂᑦ ᐊᑯᓚᐃᓐᓂᖃᖅᑎᑕᐅᓪᓗᑎᒃ ᓇᓗᓇᐃᖅᓯᒪᔪᓂᒃ ᐃᓚᕙᓪᓕᐊᓂᖕᒋᓐᓂᒃ ᖃᐅᔨᓴᕐᓂᕐᒥ. ᑭᓯᐊᓂ, ᑕᐃᒫᒃ ᖃᐅᔨᓴᕐᓂᖅ

ᐱᓗᐊᕐᓂᖅᓴᐅᔭᒃᐳᖅ ᐃᓐᓇᐅᓂᖏᓐᓂᒃ ᐊᔾᔨᒌᖏᓐᓇᐸᓗᖕᓂᒃ ᐊᒃᑑᓂᖅᓴᑦ ᐱᔭᐅᓐᖏᓐᓂᖅᓴᐅᓗᑎᒃ (ᕗᕋᐅᐊ ᐊᒻᒪ ᒍᕆᕙᓐᓵ 2005).

ᐊᑐᐊᒐᓕᐊᖑᓯᒪᔪᑦ ᐃᖃᓗᒐᓱᒃᑕᐅᔪᓐᓇᖅᑐᓂᒃ ᖃᐅᔨᓴᕐᓂᕐᒧᑦ 2009-ᒥ ᐋᖅᑭᒃᑕᐅᓯᒪᔪᑦ ᓇᓗᓇᐃᖅᓯᓯᒪᕗᑦ 200-ᓂᒡᒍᖅ ᐃᖃᓗᖕᓂᒃ ᖃᐅᔨᓴᖅᑕᐅᔭᕆᐊᖃᖅᐳᑦ ᑕᑭᓂᖏᓐᓂᒃ, ᐊᒃᑑᓂᖏᓐᓂᒃ ᐊᒻᒪ ᐊᖑᑎ/ᐊᕐᓇᐅᓂᖓ, ᑭᓯᐊᓂ 100-ᑐᐃᓐᓇᕐᓂᒃ ᓂᐊᕐᑯᖓᓂ ᓴᐅᓂᕐᓂᒃ ᓇᓗᓇᐃᖅᓯᓯᒪᓪᓗᓂ. ᖃᐅᔨᓴᕆᐊᖃᕐᓂᖅ 100-ᑐᐃᓐᓇᕐᓂᒃ ᓂᐊᕐᑯᖓᑕ ᓴᐅᓂᖏᓐᓂᒃ ᖃᐅᔨᓴᐅᑎᒋᓗᒍ ᐃᓐᓇᐅᓂᖏᓐᓂᒃ ᓈᒻᒪᖕᒋᓗᐊᖅᐳᖅ. ᕖᓐᒍᐅᐃᓐᑐᐊᐃᓐ ᐊᒻᒪ ᑖᓪᒪᓐ (ᐅᓂᒃᑳᓕᐅᖅᐸᓪᓕᐊᔭᖓᓂ) ᐅᓂᒃᑲᐅᓯᖃᖅᓯᒪᕗᑦ ᑖᐸᓱᒥᖓ ᐊᑐᕐᓗᓂ ᖃᐅᔨᓴᕐᓂᕐᒥᒃ 2007-ᒥ ᐃᖃᓗᒐᓱᖕᓂᐅᓚᐅᖅᑐᒥ ᑭᓐᖓᐃᑦ ᑲᖏᖅᑐᖓᓂ, ᓄᓇᕗᑦ. ᑖᒃᑯᐊ ᖃᐅᔨᓴᖅᓯᒪᕗᑦ ᓄᐊᑕᐅᓯᒪᔪᓂᒃ 200-ᓂᒃ ᐃᖃᓗᖕᓂᒃ ᓴᓂᓕᓈᓕᖅᑎᑦᑎᓪᓗᑎᒃ ᖃᓇᓴᐅᔭᒃᑯᑦ ᐱᔭᐅᓯᒪᔪᓂᒃ 100 ᓂᐊᕐᑯᖓᓂ ᓴᐅᓂᖏᓐᓂᒃ. ᑖᒃᑯᐊ 100-ᖑᔪᑦ ᓇᓚᐅᑦᑖᕈᑕᐅᓪᓗᑎᒃ ᐃᓐᓇᐅᓂᖏᓐᓂᒃ ᐊᔾᔨᒌᖃᑦᑕᓚᐅᓐᖏᓐᓂᖏᓐᓂᒃ 200 ᐃᖃᓗᑦ ᓄᐊᑕᐅᕙᓪᓕᐊᓯᒪᔪᓂᒃ.

ᑐᑭᓯᐅᒪᑦᑎᐊᕐᓂᖅ ᐃᓐᓇᐅᓂᖏᑕ ᐊᒥᓲᓂᖏᓐᓂᒃ ᐱᒻᒪᕆᐅᕗᖅ ᐱᓗᐊᖅᑐᒥᒃ ᐃᓐᓇᐅᓂᖅᓴᓄᑦ ᐊᒥᓲᓂᖏᑦ ᐊᑦᑐᐃᓂᖃᒻᒪᕆᖓᑕ ᓈᓴᖅᑕᐅᓂᖏᓐᓄᑦ ᓇᓗᓴᐃᖅᓯᔾᔪᑕᐅᖓᑕ ᒪᕐᕉᖕᓂᒃ ᖃᐅᔨᓴᖅᑕᐅᖃᑦᑕᖅᑐᓂᒃ: ᑐᕐᑯᕙᓪᓕᐊᓂᖏᑦ ᐊᒻᒪ ᕿᑐᓐᖏᓂᖏᑦ.

ᑐᕐᑯᕙᓪᓕᐊᓂᖏᑕ ᐊᒥᓲᓂᖏᑦ: ᑐᕐᑯᕙᓪᓕᐊᓂᖏᓐᓂᒃ ᓈᓴᐅᑎ (Z) ᓇᓗᓇᐃᖅᓯᓯᒪᓲᖑᕗᖅ ᐃᖃᓗᐃᑦ ᐊᒥᓲᓂᖏᓐᓂᑦ ᑐᕐᑯᕙᓪᓕᐊᖃᑦᑕᕐᓂᖏᓐᓂᒃ ᐊᒻᒪ ᓈᓴᐅᓯᕆᔾᔪᑕᐅᔪᓐᓇᖅᐳᖅ ᖃᐅᔨᓴᕐᓂᕐᒥᒃ ᐊᒥᓲᓂᖏᓐᓂᒃ t+1-ᒥᑦ ᐃᓚᓐᖓᕐᓗᒋᑦ ᐊᒥᓲᓂᖏᓐᓂᑦ t-ᒥᑦ (ᓇᑯ 1975).

$Z = - (\ln N_{t+1} - \ln N_t)$

ᑖᒃᑯᐊ ᐊᒥᓲᓂᖏᓐᓂᒃ ᖃᐅᔨᓴᕈᑕᐅᔪᑦ 100-ᓂᑦ 200-ᓄᑦ ᐱᕈᓇᐊᖅᑕᐅᑎᓪᓗᒋᑦ ᖃᐅᔨᔭᐅᑦᑎᐊᕈᓐᓇᕐᓂᖓ Z ᐱᕙᓪᓕᓲᖑᕗᖅ (ᕖᓐᒍᐅᐃᓐᑐᐊᐃᓐ ᐊᒻᒪ ᑖᓪᒪᓐ ᐅᓂᒃᑳᓕᐊᕈᕙᓪᓕᐊᔭᖏᑦ ᒪᓕᒃᓗᒋᑦ).

ᑖᒃᑯᐊ ᑐᕐᑯᕙᓪᓕᐊᓂᖓᓂᒃ ᖃᐅᔨᓴᕈᑏᑦ ᐱᖃᓯᐅᔾᔨᓯᒪᓲᖑᕗᑦ ᐃᖃᓗᒐᓱᒃᑎᓄᑦ ᐱᔭᐅᕙᓪᓕᐊᔪᓂᒃ ᐊᒻᒪ ᓇᒻᒥᓂᖅ ᑐᕐᑯᕙᓪᓕᐊᔪᓂᒃ (ᓇᑯ 1975); ᑕᐃᒪᐃᓐᓂᖓᓄᑦ, ᐃᓱᒪᒋᒍᑦᑎᒍᑦ ᑐᕐᑯᕙᓪᓕᐊᔪᑦ ᓇᒻᒥᓂᖅ ᐊᒥᓲᓂᖏᑦ ᐊᓯᕈᖅᑕᓗᐊᓐᖏᓐᓂᖓᓂᒃ, ᑖᒃᑯᐊ ᐊᓯᕈᖅᐸᓪᓕᐊᓂᖏᑦ Z ᐃᖃᓗᒐᓱᖕᓂᕐᒧᑦ ᓈᓴᐅᑎᐅᔪᓐᓇᖅᐳᑦ. ᑕᐃᒪᐃᓕᐅᕐᓗᓂ, ᖃᐅᔨᓴᖅᑕᐅᔪᓐᓇᖅᐳᑦ ᐃᖃᓗᐃᑦ ᐊᒥᓲᓂᖏᓐᓂᒃ ᐊᑦᑐᐃᓂᖓᓂᒃ ᐃᖃᓗᒐᓱᖃᑦᑕᕐᓂᐅᑉ. ᑭᐳᒃᑎᖕᒑᕐᓗᒍ, ᐃᖃᓗᒐᓱᒃᑕᐅᖃᑦᑕᖅᑐᑦ ᓈᓴᖅᑕᐅᓂᖏᑦ ᐊᓯᕈᖅᑕᓗᐊᓐᖏᑉᐸᑕ, ᑖᓐᓇ Z ᐊᒥᓲᕈᖅᐸᓪᓕᐊᓗᓂ, ᑕᒪᓐᓇ ᖃᐅᔨᒪᔾᔪᑕᐅᔪᓐᓇᖅᐳᖅ ᐃᒪᖓᓂ ᐊᒥᓲᓂᖏᑦ ᐊᑦᑐᖅᑕᐅᓂᖃᕐᓂᖏᓐᓂᒃ ᑕᐃᒪᐃᑎᓪᓗᒍᓗ ᑕᒪᓐᓇ ᐊᑦᑐᐃᓂᓇᔭᖓ ᖃᐅᔨᓴᖅᑕᐅᒃᑲᓐᓂᓇᐊᖃᕐᓂᖓᓂᒃ. ᑭᓯᐊᓂᓕ, ᐃᖃᓗᒃᑕᐅᕙᒃᑐᓕᒫᑦ ᓄᓇᕗᒻᒥ ᐊᒻᒪ ᓄᓇᕐᓯᐊᒥ ᖃᐅᔨᒪᐃᓐᓇᖃᑦᑕᓐᖏᓚᕗᑦ.

ᕿᑐᓐᖏᐅᕙᓪᓕᐊᓂᖏᑦ: ᖃᐅᔨᓴᕐᓂᖅᑕᐅᖅ ᐃᖃᓗᐃᑦ ᕿᑐᓐᖏᐅᓂᒃᑯᑦ ᐱᕈᖅᐸᓪᓕᐊᓂᖏᑦ ᐊᒥᓲᓂᖏᑕ ᖃᐅᔨᓴᐅᑎᑦᑎᐊᕙᐅᒋᕗᖅ, ᐊᒻᒪ ᐊᑐᕐᓗᒍ ᖃᐅᔨᒪᓂᖃᑦᑎᐊᓇᐊᖃᖅᐳᖅ ᐃᓐᓇᐅᓂᖏᑕ ᐊᒻᒪ ᐃᖃᓗᒐᐅᔪᑦ ᓱᓕ ᐊᒥᓲᓂᖏᓐᓂᒃ.

ᕗᕋᐅᐊ ᐊᒻᒪ ᒍᕆᕙᓐᓵ (2005) ᖃᐅᔨᓴᖅᓯᒪᕗᑦ ᐊᑕᐅᓯᐅᓐᖏᑦᑐᒥᒃ ᖃᐅᔨᓇᓲᑎᓂᒃ ᐃᖃᓗᐃᑦ ᐊᒥᓲᓂᖏᓐᓂᒃ ᐊᒻᒪ ᓈᓴᖅᑕᐅᕙᓪᓕᐊᔪᑦ ᓱᓕᔪᕆᔭᐅᔪᓐᓇᕐᓂᖏᓐᓂᒃ ᓈᓴᐅᓯᕆᔾᔪᑎᓂᒃ ᕖᓐ ᕗᑕᓛᓐᕕ ᓈᓴᐅᓯᕆᔾᔪᑎᓕᐊᕆᓯᒪᔭᖏᓐᓂᒃ ᐊᒥᓲᕈᖅᐸᓪᓕᐊᔪᓂᒃ ᖃᐅᔨᓴᐅᑎᓂᒃ. ᑖᒃᑯᐊ ᓇᓚᐅᑦᑖᕈᑕᐅᔪᑦ ᐊᓯᕈᖅᐸᓪᓕᐊᓂᖃᖃᑦᑕᒻᒪᕆᓚᐅᖅᐳᒡᒍᖅ ᑭᓯᐊᓂ 200-ᓂᒃ ᐃᖃᓗᖕᓂᒃ ᑐᓐᖓᕕᖃᓕᕋᖓᑕ ᓱᓕᑦᑎᐊᕐᓂᖅᓴᒥᒃ ᓇᓂᓯᕙᒃᑐᑎᒃ. ᑖᓐᓇ ᖃᐅᔨᓴᐅᑕᐅᓯᒪᔪᖅ ᐱᔪᒪᔾᔪᑕᐅᒋᕗᖅ 200-ᖑᕐᓂᒃ ᓂᐊᕐᑯᖓᑕ ᓴᐅᓂᖏᓐᓂᒃ ᐱᖃᑦᑕᕐᑯᔭᐅᓂᕐᒥᒃ ᐃᖃᓗᒐᓱᖕᓂᕐᒥᑦ ᓄᓇᕗᒻᒥ ᐊᒻᒪ ᓄᓇᕐᓯᐊᕐᒥ.

<u>ᐊᑯᓂᐅᖃᑦᑕᕐᓂᖏᑦ ᖃᐅᔨᓴᕐᓂᐅᑉ</u>

ᐃᖃᓗᐃᑦ ᖃᐅᔨᒪᔭᐅᕗᑦ ᑎᓯᓲᖑᓂᖏᓐᓂᒃ ᐃᓐᓇᐅᓂᖏᑦ ᐊᖑᑎᓪᓗ ᐊᕐᓇᐃᓪᓗ ᐊᔾᔨᒌᖕᓂᖏᓐᓂᒃ ᒪᓕᒃᑐᐃᓐᓇᐅᒐᓚᒃᑐᑎᒃ (ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᑦ 2001). ᓄᐊᑦᑎᖃᑦᑕᕐᓂᖅ ᐊᒥᓲᓂᖏᓐᓂᒃ

ᓇᓗᓇᐃᖅᑕᐅᓯᒪᔭᕇᖅᑐᓂᒃ ᕿᓚᒥᑯᓗᒃ ᐃᓚᐃᓐᓇᑯᓗᖕᒋᑦ ᐊᖏᓂᖏᑦ ᒪᓕᒃᓗᒋᑦ ᓄᐊᑦᑎᓂᐅᓴᓂᐅᕗᖅ. ᓂᐊᑦᑎᕙᓪᓕᐊᓂᖅ ᐃᖃᓗᒐᓱᖕᓂᓕᒫᕐᒥ ᐊᔾᔨᒌᓐᖏᓐᓂᖅᓴᐅᔪᓂᒃ ᐊᖏᓂᖏᓐᓂᒃ ᐱᕕᒃᓴᐅᓂᖅᓴᐅᕗᖅ ᑕᒪᓐᓇᓗ ᖃᐅᔨᓴᕐᓂᕐᒧᑦ ᐱᐅᓂᖅᓴᐅᓪᓗᓂ. ᓇᒥ ᐊᒻᒪ ᖃᖓ ᓄᐊᑦᑎᖃᑦᑕᕐᓂᖅ ᐊᓯᕈᖅᑕᓗᐊᓐᖏᓪᓗᓂ ᐱᐅᓂᖅᓴᐅᕗᖅ ᖃᐅᔨᓴᖅᑕᐅᓂᓕᒫᖓᓂ ᐃᖃᓗᒐᓱᒍᓐᓇᕐᓂᐅᑉ. ᑕᒪᒃᑯᐊ ᐊᓯᕈᖅᓯᒪᔪᑦ ᓇᓗᓇᐃᕆᐊᖃᓱᖑᕗᓪᓗ.

ᑕᒪᒃᑯᐊ ᓄᐊᑕᐅᕙᓪᓕᐊᔪᑦ ᐊᔾᔨᒌᓐᖏᓐᓂᖃᕈᓐᓇᕐᑯᓪᓗᒋᑦ ᐊᖏᓂᖏᓐᓂᒃ ᐊᒻᒪ ᐊᕐᓇᐃ/ᐊᖑᑏᑦ, ᖃᓄᐃᑦᑐᓂᒃ ᓄᐊᑦᑎᕙᓪᓕᐊᖃᑦᑕᕆᐊᖃᕐᒪᖔᑕ ᓇᓗᓇᐃᖅᓯᓯᒪᔭᕆᐊᓖᑦ ᐊᑐᐊᒐᑦ; ᓱᕐᓗ, ᐱᖓᔪᐊᑕᒫᑦ ᖃᐅᔨᓴᖅᑕᐅᖃᑦᑕᕆᐊᓖᑦ ᓇᓗᓇᐃᖅᑕᐅᓯᒪᖔᒪᑕ ᐊᑐᓕᑯᔭᐅᔪᓂᒃ ᓄᓇᕗᒻᒥ ᐊᒻᒪ ᓄᓇᕐᓯᐊᒥ ᑕᐃᒪᓐᖓᓂ 2009.

ᐊᑯᓚᐃᓐᓂᖏᑦ ᖃᐅᔨᓴᕆᐊᖃᖅᑐᑦ ᓄᐊᑕᐅᕙᓪᓕᐊᓂᖏᑦ

ᖃᐅᔨᓴᕈᑏᑦ ᐃᖃᓗᒐᓱᖕᓂᕐᒥᒃ ᐆᒃᑑᑕᐅᔪᓂᒃ ᐊᑦᑐᕐᓂᖃᖅᐸᒃᐳᑦ ᐱᔭᕆᐊᑐᓕᕈᑕᐅᓪᓗᑎᒃ ᑰᑕᒧᑦ ᑎᑭᑎᑦᑎᖃᑦᑕᓐᖏᑎᓪᓗᒋᑦ ᖃᐅᔨᓴᕐᓂᐅᑉ ᐊᕐᕌᒍᖏᑕ ᑕᓪᓕᒪᑦ ᐃᓗᐊᓂ. ᑰᑕᓕᐊᖑᓯᒪᔪᓄᑦ ᑐᖕᒐᓃᒍᑎᖃᖅᑐᑦ ᓇᓗᓇᐃᖅᑕᐅᑦᑎᐊᖃᑦᑕᕆᐊᖃᖅᐳᑦ ᖃᓄᐃᒻᒪᑦ ᑐᖕᒐᓃᒻᒪᖔᑕ. ᑖᒃᑯᐊ ᐋᖅᑭᒃᑕᐅᕋᑖᓚᐅᖅᑐᑦ ᐊᑐᐊᒐᓂ ᑭᖑᓕᖓᓂ ᐱᓕᕆᓃᑦ ᓇᓗᓇᐃᖅᓯᓯᒪᕗᑦ ᓄᐊᑦᑎᕙᓪᓕᐊᖃᑦᑕᕆᐊᖃᕐᓂᖏᓐᓂᒃ ᐊᕐᕌᒍᖓᓂ ᓯᕗᓪᓕᖅᐹᒥ ᐊᒻᒪ ᑕᓪᓕᒪᖓᓂ ᐃᖃᓗᒐᓱᖕᓂᖅ ᖃᐅᔨᓴᖅᑕᐅᑎᓪᓗᒍ. ᑖᒃᑯᑐᐊ ᐊᕐᕌᒍᑦ ᓯᕗᓪᓕᖅᐹᒥ ᐊᒻᒪ ᑭᖑᓪᓕᖅᐹᖓᓂ ᑐᑭᓯᕙᓪᓕᕈᑕᐅᔪᓐᓇᕋᓗᐊᖅᑎᓪᓗᒋᑦ, ᐱᐅᓂᖅᓴᐅᕗᖅ ᑖᒃᑯᐊ ᖃᐅᔨᓴᕈᑕᐅᔪᑦ ᐊᓯᕈᖅᑕᓗᐊᓐᖏᓐᓂᖅᓴᐅᒃᐸᑕ ᖃᐅᔨᓴᖕᓂᕐᒥᒃ ᐊᒥᓲᓂᖏᓐᓂᒃ. ᐊᓯᕈᖅᑕᖃᑦᑕᖕᖓᑕ ᐊᒥᓲᓂᖏᑦ. ᓄᐊᑦᑎᕙᓪᓕᐊᓂᖅ ᑕᓪᓕᒪᓂᒃ ᐊᕐᕌᒍᓂᒃ ᐱᐅᓂᖅᓴᐅᕗᖅ ᐊᒥᓲᓂᖏᓐᓂᒃ ᖃᐅᔨᓴᕈᑎᒋᓗᒋᑦ.

ᐱᔭᐅᖃᑦᑕᖅᑐᑦ ᓄᓗᐊᒧᑦ ᐃᖃᓗᒐᓱᒃᑕᐅᓐᖏᑦᑐᑦ

ᓄᓗᐊᓄᑦ ᐃᖃᓗᖕᓂᐊᕐᓗᓂ, ᐃᖃᓗᒐᓱᒃᑕᐅᔪᑦ ᐊᓯᖏᓐᓂᒃ ᐱᓂᐅᓴᑐᐃᓐᓇᖃᑦᑕᖅᐳᖅ. ᑕᐃᒪᐃᖃᑦᑕᕐᓂᖓᓄᑦ, ᑖᒃᑯᐊ ᐃᖃᓗᒐᓱᒃᑕᐅᔪᑦ ᐊᓯᖏᑦ ᐊᒥᓲᓂᖏᑦ ᐊᑦᑐᕐᓂᕐᓗᒃᑕᐅᑐᐃᓐᓇᕆᐊᖃᖅᐳᑦ ᓈᓴᖅᑕᐅᖃᑦᑕᓐᖏᑉᐸᑕ. ᑕᐃᒪᐃᓐᓂᖓᓄᑦ, ᑕᒪᒃᑯᐊ ᐃᖃᓗᒐᓱᒃᑕᐅᔪᑦ ᐊᓯᖏᑦ ᓄᓗᐊᖅᑕᐅᖃᓯᐅᑎᖃᑦᑕᖅᑐᑦ ᓇᓗᓇᐃᖅᑕᐅᔭᕆᐊᖃᖅᐳᖅ, ᓈᓴᖅᑕᐅᕙᓪᓕᐊᓗᑎᒡᓗ ᐃᖃᓗᒐᓱᖕᓂᕐᒧᑦ ᑕᑕᑎᕆᐊᓕᖏᓐᓂᒃ, ᐃᒪᕐᒧᑦ ᐅᑎᖅᑎᑕᐅᓚᐅᖕᖏᓐᓂᖏᓐᓂᒃ. ᑕᒪᒃᑯᐊ ᓱᕋᓗᐊᖅᑐᑦ ᐃᒪᕐᒧᑦ ᐅᑎᖅᑎᑕᒃᓴᐅᖕᖏᑦᑐᑦ ᖃᐅᔨᓴᖅᑕᐅᓂᐊᕐᓗᑎᒃ ᓄᐊᑕᐅᖃᓯᐅᑎᔭᕆᐊᖃᖅᐳᑦ (ᑕᑭᓂᖏᑦ, ᐊᒃᑑᓂᖏᑦ, ᐊᖑᑕᐅᓂᖏᑦ/ᐊᕐᓇᐅᓂᖏᑦ ᐊᒻᒪ ᐃᓐᓇᐅᓂᖏᑦ ᐱᒧᓐᓇᕋᖓᑕ).

ᓄᖅᑲᕈᑎᑦ ᐊᒻᒪ ᐊᑐᓕᕐᑯᔭᐅᓚᔭᓐᖑᐊᖅᑐᑦ

ᐃᖃᓗᒐᓱᖕᓂᒃᑯᑦ ᑮᓇᐅᔭᓕᐅᕋᓱᖕᓂᒃ ᐅᓂᒃᑳᕆᔭᐅᖃᑦᑕᖅᓯᒪᓕᖅᐳᖅ ᑕᐃᒪᓐᖓᓂᑦ 1940 ᐊᕐᕌᒍᖏᓐᓂᑦ ᓄᓇᕐᓯᐊᒥ (*NT; NT; ᒫᓐᓇ ᓄᓇᕐᓯᐊᖅ NT ᐊᒻᒪ ᓄᓇᕗᖑᓕᖅᑐᖅ NU;* ᒍᕋᐃᔾᔪ 1953). ᑕᐃᒪᓐᖓᓂᑦ ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᑦ ᐱᒋᐊᖅᑎᑦᑎᖃᑦᑕᖅᓯᒪᕗᑦ ᐊᒻᒪ ᐋᖅᑭᒋᐊᖅᑎᑦᑎᕙᓪᓕᐊᖏᓐᓇᖅᐳᑦ ᐃᖃᓗᒐᓱᒃᑕᐅᑎᓂᒃ. 2009-ᒥ, ᐃᖃᓗᒐᓱᖕᓂᒃᑯᑦ ᑮᓇᐅᔭᓕᐅᕋᓱᖕᓂᕐᒧᑦ ᐱᔪᓐᓇᖅᑎᑦᑎᓕᓚᐅᖅᐳᑦ ᖃᐅᔨᓴᖅᑕᐅᔭᕆᐊᖃᕐᓗᑎᒃ ᑕᓪᓕᒪᓄᑦ ᐊᕐᕌᒍᓄᑦ. ᐃᖃᓗᓕᕆᔨᑦ ᑲᒪᔨᖏᑦ ᐃᒪᕐᒥᐅᑕᓕᕆᔨᒃᑯᓐᓂ ᑲᓇᑕᐅᑉ ᕿᑎᐊᓂ ᐊᒻᒪ ᐅᑭᐅᖅᑕᖅᑐᐊᓂ, ᑎᓕᓯᓚᐅᖅᐳᑦ ᖃᐅᔨᓴᖅᑎᓄᑦ ᑕᒪᓐᓇ ᕿᒥᕐᕈᓇᒃᑕᐅᑦᑎᐊᖃᑦᓗᒍ ᐊᒻᒪ ᐋᖅᑭᒋᐊᒃᑲᓐᓂᕆᐊᖃᖅᐸᑕ ᐋᖅᑭᒋᐊᖅᑕᐅᖃᑦᓗᑦᑎᑦ ᐱᔭᕆᐊᖃᖅᑐᑦ ᒪᓕᒃᓗᑎᑦ, ᐊᒻᒪᑦᑕᐅᖅ ᐃᖃᓗᒐᓱᖕᓂᕐᒧᑦ ᓄᑖᑦ ᐊᑐᐊᒐᑦ ᐃᓗᓕᖏᑦ.

ᑖᒃᑯᐊ ᐃᖃᓗᒐᓱᒍᓐᓇᕐᓂᕐᒥᒃ ᖃᐅᔨᓴᕐᓗᕐᒧᑦ ᐊᑐᐊᒐᑦ ᓈᒻᒪᑦᑎᐊᕈᓐᓇᖅᐳᑦ; ᑰᑕᓕᐊᖑᔪᑦ ᓄᖑᑕᐅᑦᑎᐊᖃᑦᑕᖅᐸᑕ ᑕᓪᓕᒪᑦ ᐊᕐᕌᒍᑦ ᐃᓗᐊᓂ; ᖃᐅᔨᓴᕈᑏᑦ ᐃᖃᓗᒐᓱᖕᓂᐅᑉ ᐱᔭᕆᐊᑐᓂᖓᓂᒃ ᐊᒻᒪ ᐃᖃᓗᒃᑕᐅᕙᓪᓕᐊᔪᓕᒫᑦ ᓄᐊᑕᐅᖃᑦᑕᕆᐊᖃᖅᐳᑦ ᑕᓪᓕᒪᑦ ᐊᕐᕌᒍᑦ ᐃᓗᐊᓂ. ᑰᑕᓕᐊᖑᔪᑦ ᓄᖑᑕᐅᑦᑎᐊᖃᑦᑕᖅᐸᑕ ᑕᓪᓕᒪᑦ ᐊᕐᕌᒍᒃ ᖃᐅᔨᓴᖅᑕᐅᖕᓂᖓᓂᒃ ᕿᒥᕐᕈᓇᒃᑕᐅᓂᐊᕐᓗᑎᒃ ᑰᑕᒋᔭᕆᐊᖃᖅᑕᖕᒋᓐᓂᒃ ᐊᒻᒪ ᑲᔪᓯᐊᑦᑎᐊᕈᓐᓇᕐᓂᖓᓂᒃ ᖃᐅᔨᓴᐅᑦᑎᐊᕐᑯᓪᓗᒋᑦ; ᐃᖃᓗᐃᑦ ᖃᐅᔨᓴᖅᑕᐅᔪᒃᓴ ᓄᐊᑕᐅᕙᓪᓕᐊᓂᖏᑦ ᖁᓕᓈᓕᖅᑎᑦᑎᐊᖅᓯᒪᔭᕆᐊᖃᑦ ᖃᐅᔨᓴᕐᓂᓕᒫᒥ; ᐃᖃᓗᒐᓱᒃᑕᐅᔪᑦ ᐊᓯᖏᑦ ᓇᓗᓇᐃᖅᑕᐅᖃᑦᑕᕆᐊᖃᑦ, ᓈᓴᖅᑕᐅᕙᒃᓗᑎᒃ, ᐊᒻᒪ ᐅᑎᖅᑎᑕᐅᖃᑦᑕᕆᐊᖃᑦ ᐃᒪᕐᒧᑦ; ᑕᒪᒃᑯᐊ ᐅᑎᖅᑎᑕᐅᔭᕆᐊᖃᑦ ᑐᕐᑯᓂᐅᓴᑎᓪᓗᒋᑦ ᖃᐅᔨᓴᒐᒃᓴᓕᐊᖑᔭᕆᐊᖃᖅᐳᑦ ᖃᐅᔨᓴᖅᑎᓄᑦ.

ᐋᖅᑭᒋᐊᕆᐊᖃᑦ ᖃᑦᓯᐅᖃᑦᑕᕆᐊᖃᕐᓂᖏᑦ ᐊᒻᒪ ᖃᐅᔨᓴᖅᑕᐅᕙᓪᓕᐊᔪᑦ ᐊᑯᓚᐃᓐᓂᖏᑦ. ᐊᑐᐊᒐᑦ 2009-ᒥ ᐃᖃᓗᒐᓱᒍᓐᓇᕐᓂᕐᒥᒃ ᖃᐅᔨᓴᕈᑏᑦ ᓇᓗᓇᐃᖅᓯᓯᒪᖔᑕ 200-ᓂᒡᒍᖅ ᐱᖃᑦᑕᕆᐊᖃᑦ, ᑭᓯᐊᓂ 100-ᑐᐃᓐᓇᐅᖔᑕ

ᓂᐊᕐᑯᖓᑕ ᓴᐅᓂᖕᒋᓐᓂᒃ ᐱᖃᑦᑕᕆᐊᓖᑦ. ᖃᐅᔨᓴᖃᑦᑕᕐᓂᖅ 100-ᑐᐃᓐᓇᕐᓂᒃ ᐃᓐᓇᐅᓂᖕᒋᓐᓂᒃ ᖃᑦᓲᓐᓇᐅᓗᐊᖅᐳᑦ ᖃᐅᔨᓴᐅᑎᒋᒋᐊᖓ. ᖃᐅᔨᓴᖃᑦᑕᕐᓂᕐᓕ 200-ᓂᒃ ᒥᐊᕐᑯᖕᒋᑕ ᓴᐅᓂᖕᒋᓐᓂᒃ ᖃᐅᔨᕝᓕᕈᑎᑦᑎᐊᕙᐅᓂᖅᓴᐅᕗᖅ (ᕝᓐᒍᐅᐃᓐᑐᐊᐃᓐ ᐊᒻᒪ ᑖᑦᒪᓐ ᐅᓂᒃᑳᓕᐊᕈᕙᑦᓕᐊᔭᖕᒋᑦ ᒪᓕᒃᓗᒋᑦ). ᐊᒻᒪᑦᑕᐅᖅ ᖃᐅᔨᓴᖅᑕᐅᔭᕆᐊᖃᖅᑐᓂᒃ ᓄᐊᑦᑎᓂᐅᑉ ᐊᑯᓚᐃᓐᓂᖓ ᐋᖅᑭᒋᐊᕆᐊᖃᕆᕗᖅ. ᖃᐅᔨᓴᖅᑕᐅᓂᐊᖅᑐᓂᒃ ᓄᐊᑦᑎᖃᑦᑕᕆᐊᖃᕐᓂᖅ ᒫᓐᓇ ᓇᓗᓇᐃᖅᓯᒪᕗᑦ ᓯᕗᓪᓕᖅᐹᒥ ᐊᒻᒪ ᑭᖑᓪᓕᖅᐹᒥ ᐊᕐᕌᒍᖕᒋᓐᓂ, ᐊᑯᓐᓂᖕᒋᓐᓂ ᑕᐃᒪᐃᒋᐊᖃᖅᓯᒪᓇᓂ. ᐊᕐᕌᒍᑕᒫᖅ ᐊᓯᕈᖃᑦᑕᑐᐃᓐᓇᕆᐊᖃᕐᓂᖕᒋᑦ ᐊᒥᓲᓂᖕᒋᑦ ᐃᖃᓗᐃᑦ ᐱᔾᔪᑎᒋᓪᓗᒍ ᑕᒪᓐᓇ ᓈᒻᒪᓐᖕᒋᓚᖅ. ᖃᐅᔨᓴᖅᑕᐅᓂᐊᖅᑐᓂᒃ ᓄᐊᑦᑎᕙᓪᓕᐊᓂᖅ ᐱᔭᕆᐊᖃᕐᑯᔭᐅᕗᖅ ᐊᕐᕌᒍᑕᒫᖅ ᖃᐅᔨᓴᖅᑕᐅᓂᓕᒫᖕᒐᓂ ᐃᖃᓗᒐᓱᖕᓂᒃᑯᑦ ᑮᓇᐅᔭᓕᐅᕈᑕᐅᓇᓱᒍᓐᓇᕐᒪᖕᒐᑕ ᓇᓗᓇᐃᖅᑕᐅᓚᐅᓐᖕᒋᓐᓂᖕᒐᓂ.

ᐊᓯᖕᒋᑦ ᐃᓱᒪᒋᔭᐅᔭᕆᐊᓖᑦ

- ᓄᖑᓐᓂᖕᒐᓂ ᑕᓪᓕᒪᑦ ᐊᕐᕌᒍᑦ ᖃᐅᔨᓴᖅᑕᐅᓂᕐᒥᒃ ᓇᓗᓇᐃᖅᓯᖃᑦᑕᕆᐊᓖᑦ ᐃᖃᓗᒐᓱᒃᑕᐅᔪᓐᓇᕐᒪᖕᒐᑕ ᑲᔪᓯᐊᑦᑎᐊᖅᑐᒥᒃ, ᑭᓯᐊᓂ ᑖᒃᑯᐊ ᓄᐊᑕᐅᕙᓪᓕᐊᔭᕆᐊᓖᑦ ᓈᒻᒪᓐᖕᒋᓗᐊᑐᐃᓐᓇᕆᐊᖃᖅᐳᑦ.
- ᖃᐅᔨᓴᖅᑕᐅᔾᔪᑎᓂᒃ ᓄᐊᑦᑎᖃᑦᑕᕐᓂᖅ ᐊᓯᕈᖅᑕᑐᐃᓐᓇᕆᐊᖃᕐᓂᖕᒐᓄᑦ ᑭᒃᑯᑐᐃᓐᓇᕐᓄᑦ ᐋᖅᑭᒋᐊᖅᑕᐅᔭᕆᐊᓕᒃ.
- ᐊᓯᖕᒋᑦ ᖃᐅᔨᓴᕈᑕᐅᔪᓐᓇᖅᑐᑦ ᑐᕐᑯᕙᓪᓕᐊᖃᑦᑕᕐᓂᖕᒋᓐᓂᒃ ᐃᓱᒪᒋᔭᐅᔭᕆᐊᖃᖅᐳᑦ.
- ᑖᒃᑯᐊ ᐃᖃᓗᒐᓱᖕᓂᕐᒥᒃ ᖃᐅᔨᓴᖅᑐᑦ ᐃᖃᓗᒐᓱᒃᑏᑦ ᖃᐅᔨᓴᕈᑎᒃᓴᓂᒃ ᓄᐊᑦᑎᔪᒪᔭᕌᖓᑕ ᑕᐃᒪᐃᒍᓐᓇᖅᑎᑕᐅᔭᕆᐊᓖᑦ (ᓲᕐᓗ, ᐃᖃᓗᐃ ᐃᓂᖓᓂᒃ ᖃᐅᔨᓴᕈᑎᓂᒃ ᐊᒻᒪ ᐃᖃᓗᐃ ᒪᑭᒪᑦᑎᐊᕈᑎᖕᒋᓐᓂᒃ).

ᐅᑯᐊ ᐅᓂᒃᑳᓕᐊᖑᔪᒥ ᐅᕙᓂ ᓇᓗᓇᐃᖅᑕᐅᓯᒪᔪᑦ ᐅᓂᒃᑳᓕᐊᕕᓂᖕᒋᑦ

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ᑐᑭᓯᒋᐊᕐᕕᒃᓴᖅ

ᐅᕗᖓ: ᕖᕝ ᑖᑦᒪᓐ
501 University Cres.
Winnipeg, MB.
R3T 2N6

ᐅᖁᓚᐅᑎᖓᑦ: 204-983-3362
ᓱᒃᑲᔪᒃᑯᑦ: 204-984-2403
ᖃᑎᒌᐅᔭᒃᑯᑦ: Ross.Tallman@dfo-mpo.gc.ca

ᐆᒪ ᐅᓂᒃᑳᓕᐊᖑᓯᒪᕗᑉ ᐊᔾᔨᖏᓐᓂᒃ ᑎᑭᓴᐃᕕᒃᓴᖅ ᐅᕙᓐᖓ:

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

ᐅᖁᓚᐅᑎᖓᑦ: (204) 983-5131
ᓱᒃᑲᔪᒃᑯᑦ: (204) 984-2403
ᖃᑎᒌᐅᔭᒃᑯᑦ: xcna-csa-cas@dfo-mpo.gc.ca
ᕿᒥᕐᕈᓇᐅᑎᖓ: www.dfo-mpo.gc.ca/csas

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