ᑎᑎᕋᓯᒪᓂᖓ 4: ᑐᑭᓯᔭᕐᓂᖅᑐᑦ ᐱᓕᕆᐊᖃᕈᒪᓂᕐᒧᑦ ᓇᓗᓇᐃᔭᕐᓯᒪᔪᑦ

ᐱᓕᕆᐊᑉ ᑕᐃᔭᐅᓂᖓ

ᓯᕗᓂᑦᑎᓐᓂ ᖃᓄᐃᒍᒫᕐᓂᕆᕙᑦᑕᖏᑦ ᐊᒻᒪᓗ ᑐᕐᑯᕐᓇᕐᓯᒍᓐᓇᕐᓂᖏᑦ ᐅᑭᐅᖅᑕᖅᑐᒥ ᓄᓇᒥ ᓱᕈᕐᓇᖅᑐᑦ: ᖃᓄᖅ ᑭᒃᑯᑐᐃᓐᓇᐃᑦ ᐅᑭᐅᖅᑕᖅᑑᑉ ᓄᓇᖓᓂ ᓱᕋᐃᕙᒻᒪᖔᑕ ᐊᒻᒪᓗ ᖃᓄᖅ ᐅᑭᐅᖅᑕᖅᑐᒥ ᓄᓇᖓ ᓱᕈᐃᖃᑦᑕᕐᒪᖔᖅ ᑭᒃᑯᑐᐃᓐᓇᕐᓂᑦ.

ᖃᐅᔨᓴᖅᑎᐅᑉ ᐊᑎᖓ ᐱᓕᕆᖃᑎᖏᓪᓗ

ᓗᑦᑖᖅ ᓱᑏᕙᓐ ᓱᓱᓕᐊᓄ, ᐃᓕᓴᐃᔨ, ᓄᓇᒥᒃ ᖃᐅᔨᓴᖅᑐᓕᕆᓂᕐᒥᒃ, ᓱᓚᑦᑐᓴᕐᕕᔾᔪᐊᕐᒥ ᓴᔅᑲᑦᑐᐊᓐᒥ

ᐱᓕᕆᐊᑉ ᓱᑯᑦᑎᐊᓃᓐᓂᖓ

ᐱᓕᕆᐊᖃᕋᔭᖅᑐᖅ ᑕᒫᓂ ᓴᓇᙳᐊᕐᕕᒻᒥ, ᐊᐅᓱᐃᑦᑑᑉ ᐅᐊᓐᓇᖓᓂ ᕿᑭᖅᑖᓗᒻᒥ, (Alexandra Fiord, ᖁᑦᑎᑦᑑᑉ ᕿᑭᖅᑕᖓ), ᓄᓇᕗᒥ ᐱᖃᑎᖃᕐᓗᓂ ᖃᐅᔨᓴᕐᕕᒻᒥᒃ ᑕᒫᓃᑦᑐᒥᒃ ᐅᑭᐅᖅᑕᖅᑐᒥ ᓄᓇᑐᐃᓐᓇᕐᒥ ᓱᓇᑕᖃᖅᑑᔾᔭᙱᑦᑐᒥ ᖃᓂᒋᔭᖓᓂ ᐃᓪᓗᑉ, ᐅᔭᕋᖓ ᐃᒪᐃᑦᑑᓪᓗᓂ ᖃᓪᓗᓈᑎᑐᑦ ᑕᑉᐸᐅᖓ ᑎᑭᐅᒪᓪᓗᓂ ᒪᓂᖅᑲᒧᑦ ᑕᒫᓂ 540 ᒦᑕᓂᒃ ᖁᕝᕙᓯᓐᓂᖃᖅᑐᓂ ᑕᓇᐅᕐᒥ ᐃᒪᕐᒥᒃ.

ᐱᕕᖃᕕᖓᑕ ᐋᖅᑭᓯᒪᓂᖓ

ᐱᓕᕆᒋᐊᓯᓛᖅᑐᑦ ᔪᓚᐃ 7, 2012ᒥ - ᐋᒡᒋᓯ 25, 2012ᒧᑦ ᑎᑭᓪᓗᒍ.

ᐱᓕᕆᐊᑉ ᖃᓄᐃᑦᑑᓂᖓ

ᖃᐅᔨᓇᓱᓪᓗᑎᒃ ᖃᓄᖅ ᑭᒃᑯᑐᐃᓐᓇᐃᑦ ᓱᕈᐃᖃᑦᑕᕐᒪᖔᑕ ᐅᑭᐅᖅᑕᖅᑑᑉ ᓄᓇᖓᓂᒃ, ᖃᐅᔨᖅᑳᕆᐊᖃᖅᑐᒍᑦ ᓄᓇᐅᑉ ᖃᓄᐃᑦᑑᓂᖓᓂᒃ ᐊᑐᓪᓚᕆᑦᑐᓂᒃ ᐅᑭᐅᖅᑕᖅᑑᑉ ᓄᓇᖓᓂ ᓱᓇᑕᖃᖅᑑᔾᔭᙱᑦᑐᒥᑉᐸᑦᑐᓂᑦ. ᐅᑭᐅᖅᑕᖅᑑᑉ ᓄᓇᖓ ᐊᕗᖔᓘᖓᒻᒪᑦ ᕿᑭᖅᑕᖏᓐᓄᑦ ᑎᑭᐅᒪᓪᓗᓂ ᑲᓇᑕᒥ ᐅᑭᐅᖅᑕᖅᑐᒥ ᑭᓯᐊᓂ ᖃᐅᔨᒪᔭᐅᓗᐊᙱᒻᒪᑦ ᓄᓇᖓᑕ ᐆᒪᓂᖏᑦ ᓇᔪᖏᑕᓗ ᐊᕙᑖ ᑕᒫᓂ ᐅᑭᐅᖅᑕᖅᑐᒥ. ᐃᓱᒪᔪᖓ ᐃᓗᐊᓂ ᐊᒻᒪᓗᑭᑕᐅᔨᖓᔪᑦ ᓄᓇᖓᓂ, ᓄᓇᐅᑉ ᐃᑭᐊᖓᓂ, ᐃᔾᔪᒥ ᐱᕈᕐᕕᐅᔪᖃᕐᐸᒻᒪᑦ, ᑕᐃᔭᖅ ᖃᓪᓗᓈᑎᑐᑦ Bhy. ᐃᓱᒪᔪᖓ ᑕᒪᒃᑯᐊ Bhy ᓄᓇᐃᑦ ᐊᑑᑎᖃᓪᓕᕆᒋᐊᓴᖏᓐᓂᒃ ᐅᑭᐅᖅᑕᖅᑑᑉ ᓄᓇᖓᓂ ᐱᕈᖅᑐᖃᐊᙱᑦᑐᒥ ᐊᒻᒪᓗ ᐊᑑᑎᖃᓪᓕᕆᒋᐊᓴᖏᓐᓂᒃ ᐊᑯᓂ ᐆᒪᒍᓐᓇᕈᑎᖃᖃᑦᑕᕐᖓᑕ ᑕᒫᓂ ᐊᕙᑖᓂ.

ᐱᔾᔪᑎᖓ

ᐃᓱᒪᒋᒋᐊᙱᓯᒪᔭᕗᑦ ᑕᒪᓐᓇ ᐃᔾᔪ Bhy ᐊᑑᑎᖃᓪᓕᕆᒻᒪᑦ ᐅᑭᐅᖅᑕᖅᑑᑉ ᓄᓇᖓᓂ ᐱᕈᖅᐸᑦᑐᓄᑦ ᐱᔾᔪᑎᒋᓪᓗᒍ (1) ᐃᒪᐅᑉ ᐅᑎᖅᑕᖃᑦᑕᕐᓂᖓ ᓄᓇᒧᑦ ᐃᒫᓄᓪᓗ ᓯᓚᒧᓪᓗ ᑕᒫᓂ ᐱᓗᐊᕐᓂᖏᓐᓂ, ᓂᓪᓚᓱᓐᓂᖓ ᐆᓇᕐᓂᓗᖓᓗ ᖁᕝᕙᓯᐸᑦᑐᓂ ᐊᒻᒪᓗ ᖃᐅᓯᕐᓂᖓ ᐊᒻᒪᓗ ᐊᓯᔾᔨᖅᑕᖃᑦᑕᕐᓂᖓ C ᐊᒻᒪᓗ N, ᐊᒻᒪᓗ ᑕᐃᒪᐃᒻᒪᑦ (2) ᐊᑑᑎᖃᓗᐊᙳᐊᑐᓴᐅᓪᓗᑎᒃ ᐱᕈᕈᑎᒋᕙᑦᑕᖏᓐᓄᑦ (N and P) ᐃᑦᑎᖃᕐᐸᑦᑐᓄᑦ ᐱᕈᖅᑐᓄᑦ, ᐊᑑᑎᖃᓪᓕᕆᑦᑐᑎᒃ ᐊᕙᑎᒥ ᐆᒪᓂᓕᓐᓄᑦ ᐊᕙᑎᖏᓐᓄᓪᓗ ᐊᐅᓚᓂᕆᕙᑦᑕᖏᓐᓄᑦ.

ᑐᕌᖓᖏᑦ ᐱᔾᔪᑎᖏᓪᓗ

ᐱᔾᔪᑎᕗᑦ ᐃᒪᐃᑦᑑᒻᒪᑕ (1) ᓇᓗᓇᐃᕈᒪᓪᓗᒋᑦ ᖃᓄᖅ ᓄᓇᒥ ᐃᔾᔪᐃᑦ ᐅᑭᐅᖅᑕᖅᑐᒥ ᐱᐅᓯᖃᓲᖑᒻᒪᖔᑕ, (2) ᓇᓗᓇᐃᕈᒪᓪᓗᒋᑦ N ᐱᐅᓯᖃᖃᑦᑕᕐᒪᖔᖅ ᓄᓇᒥ ᐃᔾᔪᒥ, (3) ᓇᓗᓇᐃᕈᒪᓪᓗᒋᑦ ᓄᑭᕈᖏᑦ ᓇᒧᙵᐸᓪᓕᐊᕙᒻᒪᖔᑕ ᐃᔾᔪᒃᑯᑦ ᐊᒻᒪᓗ ᖃᓄᖅ ᐊᑦᑐᐊᓂᖃᕐᒪᖔᑦ Bhy ᐃᔾᔪᓄᑦ ᐊᒻᒪᓗ (4) ᖃᐅᔨᓴᕐᓗᒋᑦ ᐊᑦᑐᐊᓂᖏᑦ ᐱᕈᖅᑐᑦ ᓯᕿᓂᕐᒧᑦ ᐊᑭᒻᒥᓂᖓᓄᑦ ᐱᕈᖅᐸᓪᓕᐊᖃᑦᑕᕐᓂᖏᓐᓂᒃ ᐊᒻᒪᓗ ᐱᕈᖅᑐᒥᖓᖅᑐᑦ ᖃᓄᖅ ᐱᕙᓪᓕᐊᖃᑦᑕᕐᒪᖔᑕ.

ᐃᖏᕐᕋᔾᔪᑎᐅᒐᔭᖅᑐᑦ

ᖃᖓᑕᓲᕐᒥᒃ ᐊᑐᕋᔭᖅᑐᑦ ᐅᓯᔭᐅᓗᑎᒃ ᐃᖅᑲᓇᐃᔭᖅᑏᑦ ᐊᒻᒪᓗ ᖃᐅᔨᓴᐅᑎᖏᑦ ᑕᒻᒫᕐᓯᒪᕕᒋᓂᐊᖅᑕᖓᓐᓄᑦ ᑕᒫᓂ Alexandra Fjord. ᖁᑦᑖᒍᓕᒻᒥᒃ ᐊᑐᕋᔭᖅᑐᑦ ᑕᐅᕗᖓᐅᔨᓗᑎᒃ ᐊᒻᒪᓗ ᐋᕐᓯᔭᖅᑐᕐᓗᑎᒃ ᖃᐅᔨᓴᐅᑎᖏᓐᓂᒃ ᐊᒻᒪᓗ ᐊᐅᓪᓚᕐᓯᒪᔪᕐᓯᐅᑎᖏᓐᓂᒃ ᖃᓂᒋᔭᖓᓄᑦ ᐃᓪᓗᑉ ᐱᒋᐊᓕᕋᑦᑏᑎᓪᓗᒋᑦ ᐃᓱᐊᓂᓗ ᐱᓕᕆᓂᕆᓂᐊᖅᑕᖓᑕ.

ᑭᓱᑐᐃᓐᓇᕐᒥᑦ ᓇᕐᐸᐃᒍᑎᒃ (ᐋᖅᑭᓯᒪᐃᓐᓇᓂᐊᖅᑐᒥᒃ/ ᐋᖅᑭᓯᒪᒃᑲᐃᓐᓇᑐᐃᓐᓇᓂᐊᖅᑐᒥᒃ)

ᑕᓪᓕᒪᓄᑦ ᑎᑭᐅᒪᒐᔭᖅᑐᑦ ᑐᐱᕋᒫᑦ ᓯᓂᕝᕕᐅᖃᑦᑕᕋᔭᖅᑐᑦ ᐊᒻᒪᓗ 1 ᐊᑯᓐᓈᕿᔪᖅ ᑐᐱᖅ ᓂᖅᑎᐅᕐᕕᐅᖃᑦᑕᕋᔭᖅᑐᓂ ᖃᐅᔨᓴᕐᕕᐅᓂᐊᖅᑐᒥ ᐃᓪᓗᒥ ᐃᖅᑲᓇᐃᔭᕐᓂᖏᓐᓂ. ᑕᒪᕐᒥᒃ ᑐᐱᑦ ᖃᐅᔨᓴᐅᑏᓪᓗ ᐱᖅᑕᐅᒐᔭᖅᑐᑦ ᐱᓕᕆᔭᓈᖅᑲᑕ.

ᐱᓕᕆᔾᔪᓯᐅᒐᔭᖅᑐᖅ

ᓄᐊᑦᑎᒐᔭᖅᑐᒍᑦ ᑕᒪᒃᑮᓐᓂᒃ ᓄᓇᐅᑉ ᖃᖓᓃᑦᑐᒥᒃ ᐃᑭᐊᖓᓃᑦᑐᓂᓪᓗ ᖃᐅᔨᓴᕋᔭᓴᓂᑦ ᐊᒻᒪᓗ ᐆᑦᑐᖃᑦᑕᕐᓗᑎᑦ ᒫᓲᑦ ᖁᑦᑖᓃᑦᑐᑦ ᐃᑭᐊᖓᓃᑦᑐᓪᓗ ᓄᓇᐅᑉ.

ᑐᑭᓯᐅᒪᔾᔪᑎᔅᓴᐃᑦ

ᕿᓚᒻᒥᐅᔪᒥ ᑖᒃᑯᐊ ᑐᑭᓯᐅᒪᔾᔪᑎᔅᓴᐃᑦ ᑲᔪᓯᑎᑦᑎᒐᔭᖅᖓᑕ ᓇᓗᓇᐃᕐᓯᒪᔭᑦᑎᓐᓂᒃ ᐱᔾᔪᑎᑦᑎᓐᓂᒃ. ᐊᑯᓃᖅᑐᒥᓪᓕ ᑖᒃᑯᐊ ᑐᑭᓯᐅᒪᔾᔪᑎᔅᓴᐃᑦ ᑐᑭᓯᐅᒪᔾᔪᑕᐅᔭᕆᐊᓕᓐᓂᑦ ᑐᑭᓯᑎᑦᑎᒍᑕᐅᒐᔭᖅᖓᑕ ᓇᓗᓇᐃᕐᓯᓂᕐᒧᑦ ᐊᒻᒪᓗ ᓇᓪᓕᐊᖅᒍᒻᒪᖔᑕ ᓱᕈᕐᓇᖅᑐᓄᑦ ᐊᑐᖅᑕᐅᕙᑦᑐᑦ ᐃᔾᔪᓂᑦ, ᖃᓄᕐᓗ ᐳᔪᕐᓗᐃᑦ ᓄᓇᒧᕐᐸᑦᑐᑦ ᐃᔾᔪᒧᑦ ᐃᓄᓐᓅᖃᑦᑕᕐᒪᖔᑕ ᐊᒻᒪᓗ ᐋᖅᑭᒋᐊᕈᑎᔅᓴᐅᒐᔭᖅᖓᑕ ᐊᕙᑎᓕᕆᓂᕐᒥᒃ ᓴᐳᔨᓂᕐᒧᑦ ᐊᑐᖅᑕᐅᒐᔪᐸᑦᑐᓂᒃ ᑲᓇᑕᐅᑉ ᐅᑭᐅᖅᑕᖅᑐᖓᓂ.

ᑐᓴᖅᑎᑦᑎᓂᖅ

ᖃᐅᔨᓴᕐᓂᑎᓐᓂ ᖃᐅᔨᒍᑎᒥᓂᕗᑦ ᐊᑐᐃᓐᓇᐅᑎᑖᕋᑦᑎᒍ ᓄᓇᕗᒥ ᖃᐅᔨᓴᖅᑐᓕᕆᔨᒃᑯᓐᓄᑦ ᐊᒻᒪᓗ ᓴᖅᑭᕈᒫᕐᓂᐊᖅᑐᒋᑦ ᖃᐅᔨᓴᕈᑎᑦᑎᓐᓂ ᖃᐅᔨᒍᑎᒥᓂᕗᑦ ᖃᐅᔨᓴᖅᑐᓕᕆᓂᕐᒥ ᐱᕙᓪᓕᐊᔪᓕᕆᒍᑕᐅᓪᓚᕆᖃᑦᑕᖅᑐᓄᑦ.