ᑕᒪᓂᒥᐅᑕᑦᑕᕆᐅᖏᑦᑐᑦ ᑭᓱᒃᑯᑕᑦ & ᓄᖑᑦᑎᕙᑦᓕᐊᔪᑦ ᑭᓱᒃᑯᑕᑦ ᓄᓇᕗᒻᒥᑦ

2010-ᖑᑎᑦᓗᒍ ᑲᓇᑕᒥᒃ ᓄᖑᓐᓂᐅᓴᓕᕐᓂᕋᖅᑕᐅᔪᓄᑦ ᑭᓱᒃᑯᑕᓄᑦ ᓴᐳᒻᒥᓇᓱᐊᖅᑏᑦ ᑲᑎᒪᔨᖏᑦ ᓇᓗᓇᐃᖅᓯᓚᐅᕐᓯᒪᕗ 17-ᓂᑦ ᑭᓱᒃᑯᑕᓂᑦ ᓇᓂᔭᐅᒐᓛᓱᖑᖏᑦᑐᓂ ᓄᓇᕗᑦ ᐃᓗᐊᓂ

ᑕᒃᑯᐊ ᐊᑎᖃᖅᑎᑕᐅᕗᑦ “ᑕᒪᓂᒥᐅᑕᑦᑕᕆᐅᖏᑦᑐᑦ ᑭᓱᒃᑯᑕᑦ”. ᑕᒃᑯᐊ ᐃᓚᖏᑦᓕ ᐱᑭᖅᓱᐊᖑᕗᑦ ᐊᒻᒪᓗ ᓂᕐᔪᑎᐅᑦᓗᑎᑦ ᐱᑕᖃᓗᐊᓕᕋᖏᒥᒃ “ᓄᖑᑦᑎᕙᑦᓕᐊᔪᑦ ᑭᓱᒃᑯᑕᑦ”, ᑭᒡᒐᖅᑐᐃᑦᓗᑎᑦᓗ ᐃᓱᒪᓗᓐᓇᒻᒫᕆᑦᑐᒥᒃ ᓯᕗᓂᒃᓴᕆᓂᐊᖅᑕᖓᓄ ᐅᑭᐅᖅᑕᕐᑐᑉ.

ᑭᓱᒻᒪᑕ ᑕᒪᓂᒥᐅᑕᑦᑕᕆᐅᖏᑦᑐᑦ ᑭᓱᒃᑯᑕᑦ?

ᑕᒪᓂᒥᐅᑕᑦᑕᕆᐅᖏᑦᑐᑦ ᑭᓱᒃᑯᑕᑦ ᓇᓗᓇᐃᖅᑕᐅᓯᒪᔪᑦ ᑭᓱᒃᑯᑕᖅ ᐅᒪᑦᓗᓂ ᓇᓂᔭᐅᒐᓛᓱᖑᖏᑦᑐᑦ ᐃᓂᖃᕐᕕᒻᒥ. ᓴᖅᑭᑎᑕᐅᓂᑯᑦᓗᑎᑦ ᓄᓇᕐᔪᐊᕐᒥᐅᑕᓄᑦ ᖃᓄᐃᓕᐅᕐᓂᕈᓗᔭᖏᓐᓄᑦ. ᖃᐅᔨᒋᐊᕈᑎᒃᓴᐃᑦ ᓇᓗᓇᐃᖅᑕᐅᓯᒪᔪᑦ ᐱᑕᖃᒐᓗᐊᕈᓐᓇᖏᑦᑐᑦ (ᑕᑯᔾᔪᑎᒋᖕᒍᐊᕐᓗᒍ ᑭᓱᒃᑯᑕᑦ ᓇᓗᓇᐃᖅᑕᐅᓂᑯᑦ ᐊᐅᓚᑦᑎᒍᓐᓇᕆᐊᒃᓴᖅ ᐱᑕᖃᓗᐊᕐᑕᐃᓕᒪᑎᑦᑎᓂᕐᒥᒃ ᑭᓱᒃᑯᑕᓂᑦ), ᐱᔭᖅᑯᑕᐅᖏᑦᑐᒃᑯᑦ (ᑕᑯᔾᔪᑎᒋᖕᒍᐊᕐᓗᒍ ᐅᒥᐊᕐᔪᐊᒃᑯᑦ ᐊᒻᒪᓗ ᐃᒥᒃᑯᕕᖃᕐᕕᒃᑯ ᐃᒥᕐᒥᒃ ᓄᑎᕆᔾᔪᑎᐅᓲᓄᑦ) ᐅᕙᓗᓐᓂ ᐊᕙᑎᓕᕆᓂᒃᑯᑦ (ᑕᑯᔾᔪᑎᒋᖕᒍᐊᕐᓗᒍ ᐊᓱᔨᖅᐸᓪᓕᐊᔪᑦ ᓯᓚᐅᔪᖅ ᐅᒪᔪᕐᓂᑦ ᓇᒧᖕᒐᖅᐸᓪᓕᐊᑎᑦᑎᓂᖏᑦ). ᑕᑯᔾᔪᑎᒋᖕᒍᐊᕋᒃᓴᐅᔪᖅ ᑕᒪᓂᒥᐅᑕᑦᑕᕆᐅᖏᑦᑐᖅ ᑭᓱᒃᑯᑕᖅ ᓄᓇᕗᒻᒥᑦᑐᖅ European Starling *(Sturnus vulgaris)*, ᓇᓗᓇᐃᖅᑕᐅᓂᑯᑦᓗᓂ ᑲᓇᑕᐅᑉ ᐊᒃᒍᖅᐸᓯᖕᒐᓄ ᐃᐅᕋᑦᒥᖕᒐᕐᑐᓂ ᑕᒪᐅᖕᒐᖅᑎᑕᐅᓂᑯᑦᓗᑎᑦᓗ ᐃᓄᒋᔾᖏᓐᓄᑦ.

ᑭᓱᒻᒪᑕ ᓄᖑᑦᑎᕙᑦᓕᐊᔪᑦ ᑭᓱᒃᑯᑕᑦ?

ᐊᑕᖏᖅᑐᒋ ᑕᒪᓂᒥᐅᑕᑦᑕᕆᐅᖏᑦᑐ ᓄᖑᑦᑎᕙᑦᓕᐊᓱᖑᓂᖏᓐᓂ ᓇᓗᓇᐃᖅᑕᐅᓯᒪᖕᖏᓚᑦ. ᑕᓐᓇ ᑎᑎᕋᖅᓯᒪᓂᖓ ᑭᓱᒃᑯᑕᓄᑦ ᐃᓂᖃᕐᕕᑦᑕᕐᓂᑯᓄ ᓄᑕᕐᓂᑦ ᐃᓚᓐᓂᒃᑯ ᐊᑲᐅᖕᖏᓕᐅᕈᔾᔨᖏᑦᑐᑦ ᐊᕙᑎᐅᔪᒥᒃ, ᐊᓱᖏᑦ ᑭᓱᒃᑯᑕᑦ, ᐃᓄᐃᑦ ᑎᒥᖏᓐᓄᑦ, ᐅᕙᓗᓐᓂ ᑭᓐᓇᐅᔭᑎᒍᑦ ᐱᕙᓕᕐᕕᐅᓇᓲᑦᑐᒥ ᖃᓄᐃᓕᐅᕐᓂᕐᒥ ᐃᓂᖃᕐᕕᒋᓕᖅᑕᖓᓂᑦᑐᓂᑦ (ᑲᓇᑕᒥᒃ ᓄᖑᓐᓂᐅᓴᓕᕐᓂᕋᖅᑕᐅᔪᓄᑦ ᑭᓱᒃᑯᑕᓄᑦ ᓴᐳᒻᒥᓇᓱᐊᖅᑏᑦ ᑲᑎᒪᔨᖏᑦ, 2006). ᑕᑯᔾᔪᑎᒋᖕᒍᐊᕋᒃᓴᖅ ᓴᖅᑭᓱᒪᓕᕐᑐᒥᒃ ᓄᖑᑦᑎᕙᑦᓕᐊᓱᓂᑦ ᑭᓱᒃᑯᑕᓂᑦ ᑲᓇᖕᓇᖅᐸᓯᖕᒐᓂᑦᑐᓂ ᑲᓈᑕᐅᑉ Zebra Mussel *(Dreissena polymorpha)*, ᓴᖅᑭᑎᑕᒥᓂᖅ ᐊᒃᒍᖅᐸᓯᖕᒐᓄ ᑲᓈᑕᐅᑉ ᐅᒥᐊᕐᔪᐊᑎᒍᑦ ᐃᒥᒥᓂᕐᒥᓂ ᑯᕕᓱᔪᒥᓂᐅᒃᖓᑕ ᐃᒪᕐᒧᑦ. Zebra mussel ᓴᖅᑭᑦᑎᑦᑎᑲᓐᓂᓱᑦ ᓱᒃᑲᓕᔪᒻᒪᕆᒥᒃ ᐊᒻᒪᓗ ᑲᑎᒻᒪᒪᕆᓕᕈᓐᓇᕐᑐᑎᑦ ᐊᒥᓱᖑᖅᐸᓪᓕᐊᓕᕋᖏᒥᒃ. ᑕᐃᒪᐃᑦᑐᓕᕋᖏᒥᒃ ᐃᓂᖃᕐᕕᒻᒥ ᐃᓂᖃᖓᖅᓕᓱᑦ ᑕᒪᓂᑦᑕᐅᑎᒋᔪᓂᓪᓗ ᑭᓱᒃᑯᑕᓂᑦ ᐃᓂᒍᔾᔨᕙᓪᓕᐊᓕᖅᑐᑎᑦ, ᓂᕿᒃᓴᕆᔭᕐᓂᓪᓗ ᓄᖑᑦᑎᕙᑦᓕᐊᓱᖑᓂᖏᓐᓄ ᐊᑐᐃᓐᓇᐅᔪᓐᓂᖅᑎᑦᑎᕙᑦᓕᐊᓱᑦ ᐊᓱᖏᑕ ᑭᓱᒃᑯᑕᑦ ᓂᕿᒃᓴᖏᓐᓂᑦ, ᐊᒻᒪᓗ ᐃᓚᓕᐅᑎᖃᑦᑕᕐᓂᖏᓐᓄᑦ ᐊᒥᓱᓇᖅᑐᓪᓗᑎᑦ ᐅᒥᐊᕐᓄᑦ ᐊᒻᒪᓗ ᐊᓱᖏᓐᓄᑦ ᑭᓱᓕᕆᕕᐅᓱᓂᑦ ᐃᒪᓂᑦᑐᓂᑦ. (ᕕᐊᓐᓵᓐ ᐊᒻᒪᓗ ᕋᐊᐃᑯᕐ, 2010).

ᓱᒃᑲᓕ, 2011

ᑭᓱᒃᑯᑕᖑᓂᖓ: Field Sow Thistle *(Sonchus arvensis)*

ᐊᑦᑐᐃᓂᕆᔪᓐᓇᑦᑕᖏᑦ: The Field Sow Thistle ᐱᑭᖅᐸᓪᓕᐊᓚᕆᓲᑦ ᓱᒃᑲᓕᔪᒥᒃ, ᐊᒻᒪᓗ ᕿᑕᒻᒥᐅᔪᒥᓪᓗ. ᐊᒥᓱᐊᓗᓕᕋᖏᒥᒃ ᐃᒥᕐᒥᕕᓐᓂᑦ ᐃᒥᕐᕕᐅᔪᓐᓇᕐᑐᓂᑦ ᐊᒻᒪᓗ ᐃᓂᖃᕐᕕᐅᔪᓐᓇᖅᑐᓂᑦ ᐱᑕᖃᑭᓐᓂᖅᑎᑦᑎᕙᑦᓕᐊᓱᑦ ᐊᓱᖏᓐᓄᑦ ᐱᑭᖅᓱᐊᓄᑦ, ᖃᒃᓱᓐᓇᕈᕆᐊᕆᓗᑎᑦᓗ ᑕᒪᓂᒥᐅᑕᑦᑕᕆᐅᓂᑦ ᐱᑭᖅᓱᐊᓂᑦ.

ᐱᔭᖅᑯᑕᐅᖏᑦᑐᒥ ᑕᒪᐅᖕᒐᖅᑎᑕᐅᓂᒃ ᐅᐃᕋᑦᒥᖕᒐᕐᑐᓂ ᐊᒃᒍᖕᒐᓄᑦ ᑲᓇᑕᐅᑉ ᐱᑭᖅᓱᐊᒃᓴᑎᒍᖅᓱᒪᔪᒃᑯ. ᑕᓐᓇ ᐱᑭᖅᓱᐊᖅ ᐊᒥᓱᖑᖅᐸᓪᓕᐊᒻᒪᕆᑦᑐᓐᓇᕐᑐᖅ ᓱᖃᐃᒻᒪ ᐱᑭᖅᓱᐊᒃᓴᖏ ᑎᑦᑕᐅᕋᓐᓇᕐᒪᑕ ᐊᓄᕋᖅᑎᓪᓗᒍ.

ᓱᐊᒃᐅᑉ, 2005

ᑭᓱᒃᑯᑕᖑᓂᖓ: The European Starling *(Sturnus vulgaris)*

ᐊᑦᑐᐃᓂᕆᔪᓐᓇᑦᑕᖏᑦ: ᐃᓂᖃᕐᑐᓂᒃ ᐃᓂᖃᕈᓐᓂᖅᑎᑦᑎᓱᑦ ᑕᒪᓂᒥᐅᑕᑦᑕᕆᐅᓂᑦ ᑎᒻᒥᐊᑎᒍᑦ ᑭᓱᒃᑯᑕᓂᑦ ᐃᕙᕐᕕᖃᕐᕕᖏᓐᓂ ᐃᓂᖃᓯᓯᒪᓇᓱᓐᓂᖏᓐᓄᑦ ᐊᒻᒪᓗ ᓂᕿᒃᓴᖅᑎᒍ ᐱᓇᓱᐊᕐᓂᕆᔭᖏᓐᓄ ᐱᓂᖅᓴᐅᓇᓱᓐᓂᒃᑯᑦ.

ᑕᒪᐅᖕᒐᕈᑎᒋᔪᓐᓇᑦᑕᖏᑦ ᐊᖅᑯᑎᒋᔪᓐᓇᕐᑕᖏᑦ: ᓴᖅᑭᑕᐅᓂᑯᔪᖅ ᐊᒃᒍᖕᒐᓄ ᑲᓇᑕᐅᑉ ᐃᐅᕋᑦᒥᖕᒐᖅᑐᓂ. ᑕᒃᑯᐊ ᑎᒻᒥᐊᖑᔪᑦ ᐊᓱᖕᒐᓄ ᓄᒃᐸᓪᓕᐊᓂᖃᓲᖑᒻᒥᔪ ᑲᓇᑕᒧᓪᓗ ᐊᖅᑯᓴᖅᐸᓪᑐᑎᑦ.

ᖃᓄᐃᓕᒋᐊᕐᓱᑦᑕᐃᓕᑦ; ᓯᕗᓪᓕᕐᔪᖅ ᐊᑐᕆᐊᓕᒃ ᐅᓂᒃᑲᕆᓗᒍᒃ ᐅᖃᐅᓯᕆᓗᒍᓗᓐᓂ ᑭᓱᒃᑯᑕᖑᔪᖅ ᓄᓇᕗᒻᒥ ᐊᒻᒪᓗ ᑲᓇᑕᐅᑉ ᒐᕙᒪᑐᖃᒃᑯᖏᓐᓂ ᐱᓕᕆᐊᓕᑦ ᑕᑯᒋᐊᕈᓐᓇᕋᔭᕐᒪᑕ ᖃᓄᕐᓗ ᐱᓕᕆᐊᖑᔭᕆᐊᖃᕐᓂᖏᓐᓂ ᖃᐅᔨᓇᓱᐊᕈᓐᓇᕋᔭᕐᒪᑕ.

ᐅᓂᒃᑲᖅᖓᓕᕋᔭᕐᒥᔪᒍᑦ ᐅᖃᐅᓯᖃᕐᓗᑕᓗ ᐃᓕᓐᓄ ᓇᓂᔭᒥᓂᑦᑎᓐᓂᑦ ᐊᒻᒪᓗ ᑐᑭᓯᔭᒥᓂᑦᑎᓐᓂᑦ ᑭᓱᒃᑯᑕᖑᔪᒧ ᓇᓗᓇᐃᕐᑕᒥᓂᕐᓄᑦ.

ᑐᓂᓯᖃᑦᑕᐅᑎᓂᖅ

ᓇᒻᒥᓂᖅ ᖃᐅᔨᒪᒋᐊᖏᓐᓇᓇᑦ ᐊᒻᒪᓗ ᐃᓕᓐᓂᐊᕐᑎᑦᑎᔪᑎᒋᓗᒍᒃ ᐊᓱᓐᓄᑦ ᑕᒪᓂᒥᐅᑕᑦᑕᕆᐅᖏᑦᑐᑦ ᐊᒻᒪᓗ ᓄᖑᑦᑎᕙᑦᓕᐊᓱᑦ ᑭᓱᒃᑯᑕᑦ. ᖃᐅᔨᒪᑎᑦᓗᒋ ᖃᓄᐃᓕᐅᓇᐊᖃᕋᔭᕐᒪᖓᑕ ᑕᑯᓐᓂᕈᑎᒃ ᖃᐅᔨᒪᔭᐅᖏᑦᑐᓂ ᑭᓱᒃᑯᑕᓂᑦ ᐅᕙᓗᓐᓂ ᑕᑯᔾᔪᑎᒋᖕᒍᐊᕐᓱᑦᑐᓂᑦ ᑭᓱᒃᑯᑕᓂᑦ.

ᖃᓄᖅ ᐃᑲᔪᕈᓐᓇᕐᐱᒃ?

ᐅᓂᒃᑲᖃᕐᓗᑎᑦ ᐅᖃᐅᓯᖃᕐᓗᑎᑦᓗᓐᓂ

ᑕᑯᓐᓂᖅᐲᒃ ᐊᔾᔨᐅᑦᑎᐊᖏᑦᑐᒥᒃ ᐱᕈᖅᓱᐊᕐᒥᒃ, ᐅᒪᔪᕐᒥᒃ ᐅᕙᓗᓐᓂ ᖁᐱᕈᕐᒥᒃ ᓄᓇᕗᒻᒥ?

ᐃᑲᔪᕐᓂᕆᔭᐃᑦ ᑕᒃᑯᓂᖓ ᓇᓗᓇᐃᖅᑕᐅᓯᒪᔪᓂᑦ ᑭᓱᒃᑯᑕᓃᑦ ᐱᒻᒪᕆᐊᓗᕗᖅ. ᐅᓂᒃᑲᖃᕐᕕᒃ ᐅᖃᐅᓯᖃᕐᓗᑎᑦᓗᓂᒃ ᓇᒥᓐᓂᕆᔭᖓᓂ ᑕᑯᕕᒋᔭᒥᓂᖅᐱ ᑭᓱᒃᑯᑕᖑᔪᓂᑦ (ᑕᒪᕆᒃᑯᑎᒃᑯ ᓇᓗᓇᐃᒃᑯᑏᑦ ᐃᑲᔪᑎᖃᑭᓐᓇᒻᒪᕆᒃᑐᑦ) ᐊᒻᒪᓗ ᓇᓗᓇᐃᖅᓯᓗᑎ ᓇᓗᓇᐃᔭᖅᓯᒪᔪᒥᒃ ᖃᓄᐃᑦᑐᓂᖓᑕ ᐱᑭᖅᓱᐊᖅ, ᐅᒪᔪᖅ, ᐅᕙᓗᓐᓂ ᖁᐱᕈᖅ. ᐊᔪᕐᓇᖕᒋᑐᐊᕐᐸᑦ ᐊᔾᔨᓕᐅᕈᒻᒧ ᐊᔾᔨᓕᐅᕆᑦ.

ᐃᖅᑲᐅᒪᓂᐊᖅᐳᑎ ᐊᑕᖏᖅᑐᑎᑦ ᑕᒪᓂᒥᐅᑕᑦᑕᕆᐅᖏᑦᑐᑦ ᑭᓱᒃᑯᑕᑦ ᓄᖑᑦᑎᕙᑦᓕᐊᓱᖑᖏᓐᓂᖏᓐᓂ. ᑕᑯᓐᓂᕈᕕᒃ ᖃᐅᔨᒪᔭᐅᖏᑦᑐᒥᒃ ᐅᕙᓗᓐᓂ ᑕᑯᔾᔪᑎᒋᖕᒍᑦᑐᒥᒃ ᐱᑭᖅᓱᐊᕐᒥᒃ ᐅᕙᓗᓐᓂ ᐅᒪᔪᕐᒥᒃ, ᐱᒻᒪᕆᐊᓗᕗᖅ ᐅᓂᒃᑲᐅᓯᕆᐊᖓ ᐅᖃᐅᓯᕆᐊᖓᓪᓗ.

ᐃᖅᑲᐅᒪᓂᐊᖅᐳᑎ ᐊᑕᖏᖅᑐᑎᑦ ᑕᒪᓂᒥᐅᑕᑦᑕᕆᐅᖏᑦᑐᑦ ᑭᓱᒃᑯᑕᑦ ᓄᖑᑦᑎᕙᑦᓕᐊᓱᖑᖏᓐᓂᖏᓐᓂ. ᑕᑯᓐᓂᕈᕕᒃ ᖃᐅᔨᒪᔭᐅᖏᑦᑐᒥᒃ ᐅᕙᓗᓐᓂ ᑕᑯᔾᔪᑎᒋᖕᒍᑦᑐᒥᒃ ᐱᑭᖅᓱᐊᕐᒥᒃ ᐅᕙᓗᓐᓂ ᐅᒪᔪᕐᒥᒃ, ᐱᒻᒪᕆᐊᓗᕗᖅ ᐅᓂᒃᑲᐅᓯᕆᐊᖓ ᐅᖃᐅᓯᕆᐊᖓᓪᓗ.

ᖃᓄᐃᓕᒋᐊᕐᓱᑦᑕᐃᓕᑦ; ᓯᕗᓪᓕᕐᔪᖅ ᐊᑐᕆᐊᓕᒃ ᐅᓂᒃᑲᕆᓗᒍᒃ ᐅᖃᐅᓯᕆᓗᒍᓗᓐᓂ ᑭᓱᒃᑯᑕᖑᔪᖅ ᓄᓇᕗᒻᒥ ᐊᒻᒪᓗ ᑲᓇᑕᐅᑉ ᒐᕙᒪᑐᖃᒃᑯᖏᓐᓂ ᐱᓕᕆᐊᓕᑦ ᑕᑯᒋᐊᕈᓐᓇᕋᔭᕐᒪᑕ ᖃᓄᕐᓗ ᐱᓕᕆᐊᖑᔭᕆᐊᖃᕐᓂᖏᓐᓂ ᖃᐅᔨᓇᓱᐊᕈᓐᓇᕋᔭᕐᒪᑕ.

ᐅᓂᒃᑲᖃᖓᓕᕋᔭᕐᒥᔪᒍᑦ ᐅᖃᐅᓯᖃᕐᓗᑕᓗ ᐃᓕᓐᓄ ᓇᓂᔭᒥᓂᑦᑎᓐᓂᑦ ᐊᒻᒪᓗ ᑐᑭᓯᔭᒥᓂᑦᑎᓐᓂᑦ ᑭᓱᒃᑯᑕᖑᔪᒧ ᓇᓗᓇᐃᕐᑕᒥᓂᕐᓄᑦ.

ᑐᓂᓯᖃᑦᑕᐅᑎᓂᖅ

ᓇᒻᒥᓂᖅ ᖃᐅᔨᒪᒋᐊᖏᓐᓇᓇᑦ ᐊᒻᒪᓗ ᐃᓕᓐᓂᐊᕐᑎᑦᑎᔪᑎᒋᓗᒍᒃ ᐊᓱᓐᓄᑦ ᑕᒪᓂᒥᐅᑕᑦᑕᕆᐅᖏᑦᑐᑦ ᐊᒻᒪᓗ ᓄᖑᑦᑎᕙᑦᓕᐊᓱᑦ ᑭᓱᒃᑯᑕᑦ. ᖃᐅᔨᒪᑎᑦᓗᒋ ᖃᓄᐃᓕᐅᕆᐊᖃᕋᔭᕐᒪᖓᑕ ᑕᑯᓐᓂᕈᑎᒃ ᖃᐅᔨᒪᔭᐅᖏᑦᑐᓂ ᑭᓱᒃᑯᑕᓂᑦ ᐅᕙᓗᓐᓂ ᑕᑯᔾᔪᑎᒋᖕᒍᑦᑐᓂᑦ ᑭᓱᒃᑯᑕᓂᑦ.

ᐅᓂᒃᑲᖃᕐᕕᖃᕆᒃ ᑭᓱᒃᑯᑕᓂᑦ ᑕᑯᔾᔪᕐᓂᑦ ᑐᓴᖅᑕᓐᓂᓪᓗᓐᓂ ᓄᓇᓕᓐᓂ ᐅᒪᔪᕐᓂᐊᖅᑎᐅᔪᒧᒃ.

ᑐᑭᓯᒋᐊᒃᑲᓐᓂᕈᒪᒍᕕᒃ ᐅᕙᓗᓐᓂ ᐅᒪᔪᕐᓂᐊᖅᑎᓯ ᐊᑐᐃᓐᓇᐅᖏᒃᐸᑕ ᐅᑯᓄᖓ ᑐᑭᓯᒋᐊᕆᑦ ᑐᑭᓯᒋᐊᕐᕕᐅᔪᓐᓇᕐᑐᓄᑦ:

ᔭᓂᐆᑦ ᑭᓃᑎ

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ᓇᕐᑎᓕᕆᓂᕐᒧᑦᓗ ᐱᓕᕆᕕᒃ
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ᐅᑭᐅᕐᑕᖅᑐᕐᒥᓲᓄᑦ ᖃᐅᔨᓇᓱᕕᒃ
ᐃᖃᓗᓕᕆᔨᕐᔪᐊᒃᑯ ᐊᒻᒪᓗ ᐃᒪᕐᒥᐅᑕᓕᕆᕐᔪᐊᒃᑯ ᑲᓈᑕᒥ
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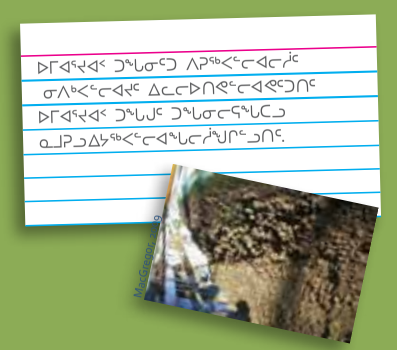
ᑕᓐᓇ ᐱᓕᕆᐊᖅ ᐱᓕᕆᐊᖑᓂᐊᒍᑉ ᐃᑲᔪᓯᐊᕐᓯᒪᔪᕗᖅ
ᑭᓐᓇᐅᔭᑎᒍᑦ ᐊᕙᑎᓕᕆᔨᕐᔪᐊᒃᑯ ᑲᓈᑕᒥ

Environment Canada
Environnement Canada

ᖃᓄᖅ ᓄᖑᑦᑎᕙᓪᓕᐊᓲᑦ ᑭᓯᒃᑯᑕᑦ ᓄᓇᕗᒻᒧᑦᑭᓐᓇᖅᐸᑦ?

ᑭᓯᒃᑯᑕᑦ ᐊᐅᓚᖅᑎᑕᐅᕙᓪᓕᐊᓲᑦ ᓄᓇᕐᔪᐊᓕᒪᐸᓗᒻᒧ ᓄᓇᕐᔪᐊᕐᒥ ᐃᓄᒋᔭᖏᑎᒍᕐᓯᒪᔪᒃᑯ ᖃᓄᐃᓕᐅᕐᓂᒃᑯᑦ, ᓱᕐᓗᖃᐃ ᐅᒥᐊᕐᔪᒃᑯ ᐅᓯᒃᑕᑦᓂᖅᖃᑦ, ᑕᐃᒪᒃ ᐱᒐᖓᒥᒃ ᐊᔾᔨᖏᑦᑐᑕᐃᑦ ᑭᓯᒃᑯᑕᑦ ᓄᒃᐸᓪᓕᐊᓲᑦ ᐅᖓᓯᓐᓂᖅᓴᒧ ᐊᒻᒪᓗ ᐊᓂᒍᑎᔾᔭᖅᑯᓐᖕᒋᑕᖏᓐᓂ ᐃᓂᖅᖃᕕᒥ ᐊᑐᓲᒃᑯᓪᓗᑎᑦ ᐅᕙᓗᓐᓂ ᐊᓂᒍᐃᔾᔨᒌᓐᓇᓇᑎᑦ ᐃᓄᑐᓗᑎᒃ. ᓄᓇᕗᑦ ᐱᑕᖃᓗᐊᖏᑦᑐᔪᖅ ᒪᓐᓇᐅᔪᖅ ᑲᓇᑕᐅᑉ ᓄᓇᓕᖏᑦ ᐊᓯᖏᑦ ᑕᑯᖕᖑᐊᕐᓗᑦ ᐊᒻᒪᓗ ᐱᑕᖃᖏᓐᓂᖅᓴᓄ, ᐅᒥᐊᕐᔪᐊᖃᓴᓐᖏᓐᓂᖅᓴᓄ ᐊᒻᒪᓗ ᓂᓪᓚᓱᑦᑐᒥᒃ ᓯᓚᖃᓱᖑᓂᖅᓴᓂ ᐊᒥᓱᖑᕆᐊᕐᑐᓂ ᐱᑕᖃᓕᖅᑎᑦᑎᕙᓪᓕᐊᑦᑎᐊᖑᓕᑦ ᐊᒻᒪᓗ ᑕᐃᒪᐃᓐᓂᖅᓴᓄ ᐅᒪᔪᓐᓇᕐᓂᖏ ᒥᑭᖅᑐᑯᓗᕗᑦ.

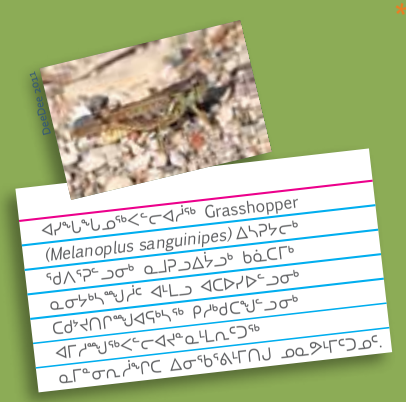
ᑕᐃᒪᐃᒃᑲᓗᐊᕐᑎᓪᓗᒍ, ᓯᓚᐅᔪᖅ ᐊᓯᔾᔨᖅᐸᓪᓕᐊᑎᓪᓗᖑ ᐊᑦᑐᐃᕙᓪᓕᐊᓂᖅᓴ ᐅᑭᐅᕐᑕᖅᑐᑉ ᓯᓚᒥᐅᑕᑎᒍᑦ ᐊᐅᓚᔾᔪᑎᖏᓐᓂᑦ, ᓴᖅᑭᒃᑲᓐᓂᖅᓴᐅᓐᓇᕐᔪᔪᓐᓇᕐᓂᖅᓂᓐᓂ ᐊᒻᒪᓗ ᐱᑕᖃᓕᖅᑎᕐᑎᑲᓐᓂᕐᓗᑎ ᑕᒪᓂᒥᐅᑕᓪᓚᓇᓂᑦ ᑭᓯᒃᑯᑕᓂᑦ. ᓄᓇᕐᔪᐊᕐᒥᐅᓄ ᐃᓄᖕᓄᑦ ᖃᓄᐃᓕᐅᕐᕕᐅᓂᖅᑭᑕ ᐊᒻᒪᓗ ᐱᕙᓪᓕᕈᑎᐅᓇᓱᓐᓂᖅᑭᑕ, ᑕᒪᐅᖕᒐᕈᓐᓇᕐᑐᐃᑦ ᓄᖑᑦᑎᕙᓪᓕᐊᓲᑦ ᑭᓯᒃᑯᑕᖅᑭᓐᓇᓱᖑᒻᒪᑕ ᑕᒪᐅᖕᒐᓇᐊᒃᓴᖅ. (ᓚᓵᐅᐃ ᐊᒻᒪᓗ ᓗᐃᓵ, 2010).



ᐊᖅᑯᑕᐅᓲᑦ ᑕᒪᐅᖕᖓᐃᔾᔪᑎᐅᓲᑦ ᓄᖑᑦᑎᕙᓪᓕᐊᓱᓄᑦ ᑭᓯᒃᑯᑕᓄᑦ ᓄᓇᕗᒻᒧᑦ.

- ᐃᒥᖅᑲᕐᕕᑦᑎᒍ ᐃᒥᕐᒥ ᐊᓯᖓᖓᓄᖅᓯᓂᖅ ᐊᒻᒪᓗ ᐅᒥᐊᕐᔪᐊᑉ ᑐᖓᓂ ᐱᕈᖅᑐᒥᓂᑦ ᐱᑕᖃᕈᓐᓇᒻᒪᓇᓐᓂᖏᓐᓄ ᓴᖅᑭᑦᑐᖅᑲᕐᐸᓪᓕᐊᑎᓪᓗᒍ ᓄᖑᑦᑎᕙᓪᓕᐊᓱᓂᑦ ᑭᓯᒃᑯᑕᓂᑦ ᐃᒪᓇᔭᑦᑕ ᐅᒪᔪᓐᓇᕐᓂᖏ ᓄᓇᕐᔪᐊᕐᒥ ᐃᓂᖅᑲᕐᕕᒥ. ᐃᓗᓕᖅᑲᕈᓐᓇᕐᑐᓂ ᑭᓯᒃᑯᑕᓂᑦ ᑕᒪᓂᒥᐅᑕᓪᓚᓇᐅᖏᑦᑐᓂᑦ, ᐊᒻᒪᓗ ᐃᓂᖅᑲᓕᕐᓗᑎᑦ ᐃᓂᒋᓕᖅᑕᖓᓂᑦ.
- ᐱᕈᖅᓯᐊᒃᓴᐃᑦ, ᖁᐱᕐᕈᐃᑦ ᐊᒻᒪᓗ ᒥᑭᑦᑐᑎᒻᒪᓇᑯᓗᐃᑦ ᐅᒪᔪᕋᓚᑦ ᓇᒧᖕᖓᐅᔾᔭᐅᕙᓪᓕᐊᔪᓐᓇᕐᑐᑦ ᓄᓇᕐᔪᐊᕐᒧ ᐊᑐᕐᑐᑎᑦ ᐊᐅᑦᓚᖅᑎᑦᑎᓂᒃᑯ ᓂᕐᑭᓂᑦ ᖁᔪᓂᑦ, ᐃᒡᓗᒃᓴᐅᔪᓄᑦ ᑭᓯᒃᑯᑕᑦ, ᐊᒻᒪᓗ >ᖅᑲᐃᔾᔪᑎᐅᔪᓐᓇᕐᑐ, ᑭᓇᑐᐃᓐᓇᐅᑉ ᐃᓯᒐᐅᔭᖓᓂᑦ ᓇᓂᔭᒃᓴᐅᓲᖑᒥᔪᑦ ᐱᕈᖅᓯᐊᒃᓴᐃᑦ (IASC, 2010).
- ᓯᓚᐅᔪᖅ ᐊᓯᔾᔨᖅᐸᓪᓕᐊᖏᓐᓇᖅᑎᓪᓗᒍ ᐅᑭᐅᕐᑕᖅᑐᒥ, ᐊᒥᓱᓲᑦ ᓄᓇᒥᐅᑕᐃᑦ ᐊᒻᒪᓗ ᐃᒪᕐᒥᐅᑕᐃᑦ ᐱᕈᖅᓯᐊᑦ ᐊᒻᒪᓗ ᐅᒪᔪᐃᑦ ᐊᒻᒍᖅᐸᓯᐅᓂᖅᓴᒧ ᓄᖑᖅᐸᓪᓕᐊᓱᓐᓇᕐᒪᑕ ᕿᓂᕐᑐᑎᑦ ᓂᕿᒋᓱᖏᓐᓂ ᐊᒻᒪᓗ ᐃᓂᖅᑲᕐᕕᒃᑯᒋᔭᖏᓐᓂ. ᑕᒃᑯᐊ ᐅᒪᔪᐃᑦ ᓇᒧᖕᖓᖅᐸᓪᓕᐊᓂᖏ ᐃᓱᒪᓗᓐᓇᕐᑐᒥᓗᐊᖑᓕᑦ ᓄᖑᑦᑎᕙᓪᓕᐊᓱᓐᓇᕐᓂᖏ ᑭᓯᒃᑯᑕᖅᑭᓄᑦ, ᑭᓯᐊᓂᓕ ᐱᒻᒪᕆᐊᓗᕗᖅ ᓇᓗᓇᐃᕐᓯᒋᐊᖓ ᐃᓚᓕᖏᓐᓂ ᑭᓯᒃᑯᑕᓂᑦ, (ᐱᓗᐊᕐᑐᒥ ᑕᒪᓂᒐᓚᓲᖑᖏᑦᑐᓂᑦ ᐅᕙᓗᓐᓂ ᓄᖑᓕᕐᓇᕋᖅᑕᐅᔪᓂᑦ) ᐃᓄᒍᓐᓇᖅᑯᔾᖏᑦᑐᓂ ᐊᓯᖓᖓᓄᖅᓯᒪᓕᕐᓂᖏᓐᓄᑦ. ᐃᓚᖏᑦᓕ ᑭᓯᒃᑯᑕᑦ ᐱᔪᓐᓇᒻᒪᓇᒃᐳᑦ, ᑎᖏᓲᖑᒍᑎᑦ ᖁᐱᕐᕈᓗᑎᑦ, ᐊᒥᓱᓂᖏᓪᓗ ᑕᑯᔭᐅᓂᖅᓴᖅᖑᖅᐸᓪᓕᐊᓐᓇᕐᑐᑦ ᓄᓇᕗᒻᒥ. (ᑲᓇᑕᒥᒃ ᓄᖑᓐᓂᐅᓴᓕᕐᓂᕐᖅᑕᐅᔪᓄᑦ ᑭᓯᒃᑯᑕᓄᑦ ᓴᐳᒻᒥᓇᓱᐊᖅᑏᑦ ᑲᑎᒪᔾᖏᑦ, 2010).

ᐊᖅᑯᑕᐅᓲᑦ ᑕᒪᐅᖕᖓᐃᔾᔪᑎᐅᓲᑦ ᓄᖑᑦᑎᕙᓪᓕᐊᓱᓄᑦ ᑭᓯᒃᑯᑕᓄᑦ ᓄᓇᕗᒻᒧᑦ.



- ᐊᖅᑯᑕᐅᓲᑦ ᑕᒪᐅᖕᖓᐃᔾᔪᑎᐅᓲᑦ ᓄᖑᑦᑎᕙᓪᓕᐊᓱᓄᑦ ᑭᓯᒃᑯᑕᓄᑦ ᓄᓇᕗᒻᒧᑦ.

ᑕᒪᓂᒥᐅᑕᓪᓚᓇᐅᖏᑦᑐᓂᑦ ᑭᓯᒃᑯᑕᑦ ᓄᓇᕗᒻᒥᑦ

2011-ᒥᓂᓪᓕ, 17-ᓂᑦ ᑭᓯᒃᑯᑕᓂᑦ ᖃᐅᔨᒪᔭᐅᔪᖅᑲᓪᓕᖅ ᑕᒪᓂᒥᐅᑕᓪᓚᓇᐅᖏᑦᑐᑎᒍᑦ ᓄᓇᕗᒻᒥ, ᑕᒃᑯᐊᓕ ᓇᓗᓇᐃᔭᖅᓯᒪᕗᑦ ᑐᖓᓂᑦᑐᓂ ᐊᒻᒪᓗ ᐊᑕᖏᖅᑐᑎᑦ ᓄᓇᒥᐅᑕᐅᓲᖑᔭᓗᑎᑦ ᑭᓯᒃᑯᑕᖑᔪᑦ. ᖃᐅᔨᒪᒋᐊᓂᐊᕐᑎᑦ ᖃᐅᔨᒪᔭᐅᔪᑎᓂᑦ ᐱᑕᖃᖏᓐᓂᖅᖓᓂ ᖃᓄᖅ ᐊᑦᑐᐃᒍᓐᓇᕐᓂᖏᓐᓂ ᑕᒃᑯᐊ ᑭᓯᒃᑯᑕᖑᔪᑦ ᓄᖑᑦᑎᕙᓪᓕᐊᓱᓐᓇᕐᒪᑕ ᖃᓄᖅ ᓴᖅᑭᒃᐸᓪᓕᐊᓲᖑᓂᖏᓐᓄ ᑕᒪᓂ. ᒪᕐᑲᖅ ᑭᓯᒃᑯᑕᑦ, starling ᐊᒻᒪᓗ sow thistle ᓇᓗᓇᐃᔭᓯᒪᓂᖏ ᖃᓄᐃᕐᑐᓲᖑᓂᖏᓐᓄ ᓇᓗᓇᐃᔭᓯᒪᕗᑦ ᓇᓗᓇᐃᒃᑯᑎᓐᑦ ᑎᑎᕋᖅᑕᐅᓯᒪᔪᑦ ᑐᖓᓂᖓᓂᔪᓂᑦ.

ᐃᑦᑕᕐᓂᓇᓐᓂᒃᑯ ᐊᑎᖓ	ᐊᑎᓇᔭᐅᑎᑦᑕᖅ		ᑭᓯᒃᑯᑕᖑᓂᖓᑦ ᖃᓄᐃᕐᑐᓂᖓ
Carum carvi	**Wild Caraway**	Heikki Erl, 2003	ᐱᕈᖅᐸᓪᓕᐊᓲᖅ ᐱᕈᖅᓯᐊᖅ
Taraxacum officinale	**Common Dandelion**	Heikki Erl, 2003	ᐱᕈᖅᐸᓪᓕᐊᓲᖅ ᐱᕈᖅᓯᐊᖅ
Sonchus arvensis	**Field Sow Thistle**	Sixth, 2011	ᐱᕈᖅᐸᓪᓕᐊᓲᖅ ᐱᕈᖅᓯᐊᖅ
Leucanthemum vulgare	**Oxeye Daisy**	Stypermark, 2007	ᐱᕈᖅᐸᓪᓕᐊᓲᖅ ᐱᕈᖅᓯᐊᖅ
Thlaspi arvense	**Field Pennycress**	Stypermark, 2007	ᐱᕈᖅᐸᓪᓕᐊᓲᖅ ᐱᕈᖅᓯᐊᖅ
Capsella bursa-pastoris	**Shepherd's Purse**	Luang Afridi, 2011	ᐱᕈᖅᐸᓪᓕᐊᓲᖅ ᐱᕈᖅᓯᐊᖅ
Barbarea vulgaris	**Yellow Rocket**	Michelle, 2009	ᐱᕈᖅᐸᓪᓕᐊᓲᖅ ᐱᕈᖅᓯᐊᖅ
Amaranthus retroflexus	**Green Amaranth**	Shou, 2003	ᐱᕈᖅᐸᓪᓕᐊᓲᖅ ᐱᕈᖅᓯᐊᖅ
Hordeum vulgare	**Common Barley**	Michelle, 2009	ᐱᕈᖅᐸᓪᓕᐊᓲᖅ ᐱᕈᖅᓯᐊᖅ
Puccinellia distans	**Spreading Alkali Grass**	Shou, 2003	ᐱᕈᖅᐸᓪᓕᐊᓲᖅ ᐱᕈᖅᓯᐊᖅ
Vicia cracca	**Tufted Vetch**	Sixth, 2003	ᐱᕈᖅᐸᓪᓕᐊᓲᖅ ᐱᕈᖅᓯᐊᖅ
Papaver somniferum	**Opium Poppy**	Andrewint, 2003	ᐱᕈᖅᐸᓪᓕᐊᓲᖅ ᐱᕈᖅᓯᐊᖅ
Plantago major	**Common Plantain**	Shou, 2003	ᐱᕈᖅᐸᓪᓕᐊᓲᖅ ᐱᕈᖅᓯᐊᖅ
Polygonum aviculare	**Prostrate Knotweed**	Shou, 2003	ᐱᕈᖅᐸᓪᓕᐊᓲᖅ ᐱᕈᖅᓯᐊᖅ
Pieris rapae	**Cabbage White**	W.A.B., 2020	ᑕᕐᓗᑭᓴᖅ
Sturnus vulgaris	**European Starling**	Sybil, 2005	ᑎᒻᒥᐊᖅ
Passer domesticus	**House Sparrow**	Manisha, 2009	ᑎᒻᒥᐊᖅ

ᓴᖅᑭᒃᑲᕐᕕᒥᑎᒍ ᓇᒧᕈᓐᓂᖅᓴᖅᑭᑦᑐᓂᖅᓴᖅᑭᑦᑐᓂᖅᓴᖅᑭᑦ