ᖃᐅᔨᓴᖅᑕᐅᓂᖏᓐᓄᑦ ᑐᓴᖅᑎᕐᓂᖅ

ᐃᓄᐃᑦ ᐃᓱᒪᒋᔭᖓᓂᒃ ᐅᖃᐅᖅᓯᐊᓴᓗᑎᑦ

NIRB File No.: 25YN021

ᐱᓕᕆᐊᖓᔪᑦ ᐊᑎᖓ: The **“Movement and chemical ecology of fishes in Hudson Bay”** project

ᓇᖕᒥᓂᖅᖃᑦᑐᑦ ᐊᑎᖓ: ᐃᖅᓗᓕᕆᔨᑦ ᐃᒪᖏᐅᑕᕆᔨᓪᓗ

ᐱᓕᕆᐊᖓᔪᖅ: ᖃᐅᔨᓴᓂᖅ ᐊᐃᒃᓱᒪᓂᖓ: ᑭᓯᓕᖅ ᖁᑭᖅᑕᓂ

ᐊᓯᑎᓕᕆᓴᒃᑯᓂ ᖃᕆᑕᐅᔭᖓᓂᒃᓴᓂ: www.nirb.ca Application No.: 126164

ᐅᖃᐅᓱᒃᓗᓂ ᐃᓱᓕᔭᕐ: **ᒪᐃ 26, 2025**

ᐱᓕᕆᐊᖓᔪᐊᖅᑐᖅ:

ᐱᓕᕆᐊᖓᔪᐊᖅᑐᖅ “Movement and chemical ecology of fishes in Hudson Bay” ᐊᐃᒃᓱᒪᓂᖓᓄᓂ ᓄᓇᓕᐅᕐᓂ ᐅᓂᒃᐅᔨᓴᓗᒃᑖᖅᖢᖅ ᐅᖃᓕᒫᓂ ᑭᓯᓚᐅᖅᑎᑦ ᐅᖃᐅᓯᓂᖅᑐᓴᓂ ᐅᖃᓕᒫᓂ ᑭᓯᓚᐅᖅᑎᑦ 100 ᑭᓪᓕᒃᑐᑦ ᓄᓇᓕᐅᕐᒥᑦ ᑲᑎᒪᔨᖅᑕᐅᓂᖅ and Sanikiluaq. ᓇᖕᒥᓂᖅᖃᑦᑐᖅ ᐱᓕᕆᐊᖃᑲᐊᖅᑐᖅ continue the study that was conducted in 2023 regarding the acoustic tagging and tracking of Arctic char, lake trout, Greenland cod, marine sculpin, lumpfish, and capelin fish in Rankin Inlet and Sanikiluaq area. Additionally, some fish will be analyzed to determine the microplastic particles content inside the fish’s body. ᐱᓕᕆᐊᖓᔪᐊᖅᑐᖅ ᐊᑯᓂᐅᑎᒋᓂᐊᖅᑐᖅ ᐅᖃᐅᓪᓚᑦ ᒪᐃ 2025 to ᐃᓕᓴ 2035, multi-year research. ᐱᓕᕆᐊᖓᔪᐊᖅᑐᖅ ᓇᓗᓇᐃᖅᑕᐅᓯᒪᔪᖅ ᓄᓇᕗᒻᒥ ᐊᐅᑎᓕᕆᓴᓕᒫᓂ ᐅᑯᓂᖓ ᐱᓕᕆᐊᖃᓕᖅᓂᐊᖅᑐᓂ:

- Use of four (4) ATVs to transport personnel and equipment to research sites
- Use of a boat and motor to transport personnel and equipment to research sites
- Install tracking tags on some fish species,
- Analyze fish samples in the laboratory

ᐊᐅᑎᓕᕆᓴᓕᒫᓂ ᖃᕆᑕᐅᔭᖓᓕᒫᓂ ᖃᐅᔨᓴᓪᓕᐊᑎᖓᓂ ᑕᑯᔪᓇᖅᑐᖓᓂ ᑎᑎᖃᖅᖃᖅᑐᓂᒃᓴᓂ NIRB File No.: **25YN021** ᐱᓕᕆᐊᖓᔪᐊᖅᑐᖅᑐᑦ ᐃᓗᓕᓕᒫᓂᖅ, ᓄᓇᖓᐊᖅᓂᖅ, ᐃᓄᖓᓕᓗ ᐅᖃᖅᓇᓴᓪᓕᖅᑐᓂᒃᓴᓂ ᑎᑎᕋᖅᓴᓪᓕᖅᖃᖅᑐᓂᒃᓴᓂ.

ᐅᖃᐅᓱᒃᓗᓂ ᑐᓴᐅᒪᔭᖅᑐᑦ

**ᐃᓕᐅᖃᖅᑕᐅᔨᕆᐅᒪᓗᐊᖅᑐᑎᑦ ᐅᖃᐅᓱᒃᓗᖅᖃᖅᓴᓂᑦ ᐊᐅᑎᓕᕆᓴᓕᒫᓂᖅᓄᓂ ᐱᓕᕆᐊᖓᔪᐊᖅᑐᖅᑕᒧᑦ ᖃᓄᖅ ᐃᓱᓚᖓᓱᖅᐸᑦ ᐃᓕᓴᐅᓚᐅᖅᑐᖅ