ᓄᓇᕘᒥ ᐊᕙᑎᓕᕆᔨᒃᑯᑦ ᑲᑎᒪᔨᖏᑦᑎᒍᑦ ᑐᒃᓯᖅᑑᑦ ᕿᒥᕐᕈᔭᒃᓴᖅ #125687

Assessing contaminants in seabird habitats

ᑐᒃᓯᖅᑑᑕᐅᔪᖅ ᖃᓄᐃᑦᑑᓂᖓ:	New
ᐱᓕᕆᐊᕆᔭᐅᔪᒪᔫᑉ ᖃᓄᐃᑦᑑᓂᖓ:	Scientific Research
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ᐱᓕᕆᐊᖃᕈᒪᔪᖅ:	Jennifer Provencher ECCC NWRC C/O Carleton University, 1125 Colonel By Drive, Raven Road Ottawa ON K1A 0H3 Canada ᐅᖄᓚᐅᑏᑦ: 819 955 1399, ᓱᑲᔪᒃᑯᑦ:

ᑐᓴᐅᒪᓗᓂᑦ

ᖃᓄᐃᑦᑐᑎᓂᓗ ᐱᓕᕆᔨᖃᑦᓂᐊᕆᔨᖏᓐᓂᓗ

ᖃᓄᖅᓱᓇᑎᑐᑦ: With this project we aim to assess ship-based pollution in migratory bird habitat near Arviat and Pond Inlet. This includes examining how ship traffic contributes to oil pollution and emissions in areas used by seabirds, as well as ship based plastic pollution, including microplastics. While pollution in seabirds have been studied in Nunavut for over 40 years via the Northern Contaminants Program (NCP), there is lack of information on pollution of emerging concern such as oil pollution and microplastics. We hope that this study will start to explore these issues in two communities in Nunavut, Arviat and Pond Inlet. This project will be carried out with partners in Pond Inlet and Arviat as part of a recently funding project titled Inuit Qaujisarnirmut Pilirijjutit on Arctic Shipping Risks in Inuit Nunangat funded under the CINUK call for proposals led by ITK. Small teams of community members will deploy the sampling during the open water seasons in Arviat and Pond. There will be three sampling types. One set of passive air samplers will be deployed near where migratory birds breed in the areas. These are small dishes approximately 30cm in diameter that are left in the habitat for 60 days a retrieved. Second, an active high volume sampler will be used to test the output from ships when they are moored close to town. A total of 10 active samples will be collected from each site per year, and will involved samples when no ships are in town, and when ships are in town. The last sampling will involve using a manta net to sample for microplastics in the water column. This will be down 5 times a year at each site. The manta net filters the water while being pulled behind a small vessel. The filters are then collected and analysed, with no active water collection. As this project was extensively co-developed though regular consultation with international, national, and local Inuit community organizations in order to respond directly to urgent and locally identified research needs, it is anticipated that project will have substantial impact and wide-ranging outcomes. Results will support multiple levels of decision makers aiming to; a) minimise harmful impacts of shipping to Inuit livelihoods, culture, quality of life and the environment, b) promote the use of scientific evidence in policy decisions affecting shipping in the Arctic/Inuit homeland, and c) improve cooperation between maritime industries, communities and science. All data generated by this project will be a part of the Inuit Qaujisarnirmut Pilirijjutit on Arctic Shipping Risks in Inuit Nunangat team discussion. Community partners will co-collect, co-analyse and co-finalise all reports and data stewardship decisions. The results will be shared within Arviat and Pond Inlet as the project develops from 2022 to 2025, and as results are summarised the team will prepare plain language reports, radio interviews, Facebook posts and other material as needed for wide spread sharing.

ᐅᐃᐦᐃᑎᑐᑦ: Avec ce projet, nous visons à évaluer la pollution causée par les navires dans l'habitat des oiseaux migrateurs près de Pond Inlet. Cela comprend l'examen de la façon dont le trafic maritime contribue à la pollution par les hydrocarbures et aux émissions dans les zones utilisées par les oiseaux de mer, ainsi que la pollution plastique causée par les navires, y compris les microplastiques.Bien que la pollution chez les oiseaux de mer soit étudiée au Nunavut depuis plus de 40 ans dans le cadre du Programme des contaminants du Nord (PCN), il y a un manque d'information sur la pollution préoccupante émergente comme la pollution par les hydrocarbures et les microplastiques. Nous espérons que cette étude commencera à explorer ces questions dans Pond Inlet.Ce projet sera réalisé avec des partenaires de Pond Inlet dans le cadre d'un projet récemment financé intitulé Inuit Qaujisarnirmut Pilirijjutit on Arctic Shipping Risks in Inuit Nunangat financé dans le cadre de l'appel de propositions CINUK dirigé par ITK. De petites équipes de membres de la communauté déploieront l'échantillonnage pendant les saisons d'eau libre à Pond.Il y aura trois types d'échantillonnage. Un ensemble d'échantillonneurs d'air passifs sera déployé près de l'endroit où les oiseaux migrateurs se

reproduisent dans les régions. Ce sont de petits plats d'environ 30cm de diamètre qui sont laissés dans l'habitat pendant 60 jours a récupérés. Deuxièmement, un échantillonneur actif à volume élevé sera utilisé pour tester la sortie des navires lorsqu'ils sont amarrés près de la ville.Au total, 10 échantillons actifs seront prélevés sur chaque site chaque année et comprendront des échantillons lorsqu'aucun navire n'est en ville et lorsque les navires sont en ville. Le dernier échantillonnage consistera à utiliser un filet de manta pour prélever un échantillon de microplastiques dans la colonne d'eau. Ce sera en baisse 5 fois par an sur chaque site. Le filet manta filtre l'eau tout en étant tiré derrière un petit récipient. Les filtres sont ensuite collectés et analysés, sans collecte d'eau active.Étant donné que ce projet a été largement élaboré dans le cadre de consultations régulières avec des organismes communautaires inuits internationaux, nationaux et locaux afin de répondre directement aux besoins de recherche urgents et identifiés localement, on s'attend à ce que le projet ait un impact substantiel et des résultats de grande envergure. Les résultats appuieront plusieurs niveaux de décideurs qui visent à; a) réduire au minimum les effets néfastes du transport maritime sur les moyens de subsistance, la culture, la qualité de vie et l'environnement des Inuits, b) promouvoir l'utilisation de données scientifiques dans les décisions stratégiques touchant la navigation dans l'Arctique et la patrie inuite, et c) améliorer la coopération entre les industries maritimes, les collectivités et la science.Toutes les données générées par ce projet feront partie de la discussion de l'équipe inuit Qaujisarnirmut Pilirijjutit sur les risques de la navigation dans l'Arctique à Inuit Nunangat. Les partenaires communautaires co-collecteront, co-analyseront et co-finaliseront tous les rapports et les décisions de gestion des données. Les résultats seront partagés au sein de Pond Inlet au fur et à mesure de l'évolution du projet de 2022 à 2025, et au fur et à mesure que les résultats seront résumés, l'équipe préparera des rapports en langage clair, des entrevues radiophoniques, des publications Facebook et d'autres documents au besoin pour un partage à grande échelle.

ᐃᓄᒃᑎᑐᑦ: ᐱᓕᕆᐊᖑᔪᒥᑦ ᖃᐅᔨᓴᐃᔭᒪᔪᑦ ᐅᒥᐊᕐᔪᐊᓂᖔᖅᑐᓂᒃ ᐱᑦᑕᐅᖏᑦᑐᑦ ᐅᑎᖅᑕᖃᑦᑕᖅᑐᑦ ᑎᖕᒥᐊᑦ ᐃᓂᒥᔭᖕᒥᓐᓄᑦ ᖃᓂᑕᕐᓚᓂᑦ ᐊᕐᕕᐊᑦ ᐊᒻᒪᓗ ᒥᑦᑎᒪᑕᓕᐅᑉ. ᑖᒃᑯᓂ ᐃᓚᐅᔪᑦ ᕿᒥᕐᕈᓗᒥᑦ ᖃᓄᖅ ᐅᒥᐊᕐᔪᐊᑦ ᐃᖕᒥᕐᕋᔭᒃᑐᑦ ᐃᑲᔪᐃᓂᖃᕐᒪᖔᑕ ᐅᖅᓯᐊᓗᖕᒥᑦ ᐱᔪᓂᒃ ᐱᑦᑕᐅᖏᑦᑐᓂᒃ ᐊᒻᒪᓗ ᐊᓂᐊᔪᓂᒃ ᐃᓂᐅᔪᓂᑦ ᑕᓇᐅᕐᒥᐅᑕᓄᑦ ᑎᖕᒥᐊᓄᑦ ᐊᑐᖅᑕᐅᖃᑦᑕᖅᑐᓂᒃ, ᐊᒻᒪᓗ ᐅᒥᐊᕐᔪᐊᕐᒥᖔᖅᑐᓂᒃ ᐊᐅᒃᑕᔫᓂᒃ ᐱᑦᑕᐅᖏᑦᑐᓂᒃ, ᐃᓚᐅᑉᓗᑎᒃ ᒥᑭᔪᑦ ᐊᐅᒃᑕᔫᑦ. ᐱᑦᑕᐅᖏᑦᑐᑦ ᑕᓇᐅᕐᒥᐅᑕᐃᑦ ᑎᖕᒥᐊᓄᑦ ᖃᐅᔨᓴᖅᑕᐅᖃᑦᑕᖅᑎᓪᓗᒥᑦ ᓄᓇᕗᒻᒥ ᐅᑭᐅᑦ 40 ᐅᖓᑖᓅᓕᖅᑐᖅ ᐅᑭᐅᖅᑕᖅᑐᒥᑦ ᐱᑦᑕᐅᖏᑦᑐᓄᑦ ᑐᕌᖓᔪᒃᑯᑦ, ᑐᑭᓯᐅᒪᔾᔭᑎᑕᖃᓂᖏᑦᑐᖅ ᐱᑦᑕᐅᖏᑦᑐᑦ ᐃᓯᒫᓘᑕᐅᕙᓪᓕᐊᔪᓂᒃ ᓲᕐᓗ ᐅᖅᓯᐊᓗᖕᒥᑦ ᐱᑦᑕᐅᖏᑦᑐᑦ ᐊᒻᒪᓗ ᒥᑭᔪᑦ ᐊᐅᒃᑕᔫᓂᑦ. ᑕᐃᒪᑐᖅ ᑖᒻᓇ ᖃᐅᔨᓴᐃᓂᖅ ᕿᒥᕐᕈᒥᐊᕐᓂᐊᖅᐳᖅ ᑖᑉᑯᓂᖓᑦ ᐱᔾᔪᑕᐅᔪᓂᒃ ᓄᓇᕗᒻᒥ ᒪᕐᑮᖅᓂᑦ ᓄᓇᓖᖕᓂᑦ, ᐊᕐᕕᐊᓂᑦ ᐊᒻᒪᓗ ᒥᑦᑎᒪᑕᓕᖕᒥᑦ. ᐱᓕᕆᐊᖅ ᐱᓕᕆᐊᖑᔪᖅ ᐱᓕᕆᑎᒥᑉᓗᒥᑦ ᒥᑦᑎᒪᑕᓕᒃ ᐊᒻᒪᓗ ᐊᕐᕕᐊᑦ ᐃᓚᒥᔭᐅᑉᓗᓂ ᒫᓐᓇᕉᖅ ᑮᓇᐅᔭᖅᑎᑕᐅᔪᖅ ᐱᓕᕆᐊᖅ ᐊᑎᖃᖅᑐᖅ ᐃᓄᐃᑦ ᖃᐅᔨᓴᕐᓂᕐᒧᑦ ᐱᓕᕆᔾᔪᑎᑦ ᐅᒥᐊᕐᔪᐊᓂᑦ ᐅᓗᕆᐊᓇᖅᑐᓂᒃ ᐃᓄᐃᑦ ᓄᓇᖓᓂᑦ ᑮᓇᐅᔭᖅᑎᑕᐅᔪᖅ CINUK-ᑯᑦ ᑐᒃᓯᕋᐅᓯᐅᖁᔨᑉᓗᑎᒃ ᑲᒪᒋᔭᐅᔭᒃᑯᑦ ᐃᓄᐃᑦ ᑲᓇᑕᒥ ᑕᐱᕇᒃᑯᓐᓄᑦ. ᐱᓕᕆᖃᑎᒌᒃᑐᑦ ᓄᓇᓕᖕᒥᐅᑕᐃᑦ ᐃᓕᐅᖅᑲᐃᓂᐊᖅᑐᑦ ᐆᒃᑐᕋᐅᑎᓂᒃ ᐊᐅᔨᐅᑎᓪᓗᒍ ᐊᕐᕕᐊᓂᑦ ᐊᒻᒪᓗ ᒥᑦᑎᒪᑕᓕᖕᒥᑦ. ᐱᖓᓲᓂᐊᖅᑐᑦ ᐆᒃᑐᕋᐃᓂᖏᑦ ᐊᑐᖅᑕᐅᓂᐊᖅᑐᑦ. ᐃᓚᖓᑦ ᐊᓂᖅᓵᖅᑐᖅᑕᑉᑎᖕᓂᑦ ᐆᒃᑐᕋᐃᔾᔭᑏᑦ ᐃᓕᔭᐅᓂᐊᖅᑐᑦ ᖃᓂᑕᕐᓚᓂᑦ ᑎᖕᒥᐊᑦ ᐅᑎᖅᑕᖃᑦᑕᖅᑐᑦ ᒪᓂᓕᐅᖅᕕᖕᒥᓂᑦ. ᒥᑭᔫᑦ ᐊᕙᑉᓯᓈᑦ ᐊᕐᒥᑎᓯᔪᑦ 30 ᓴᓐᑎᒦᑕᓂᒃ ᐊᖕᒪᓗᖅᑐᑦ ᐃᓂᒥᔭᐅᔪᓄᐊᖅᑕᐅᓯᒪᑉᓗᑎᒃ ᐅᑉᓗᐃᑦ 60-ᓄᑦ ᑭᖑᓂᐊᒍᑦ ᐱᔭᐅᑉᓗᑎᒃ. ᑐᓪᓕᐊ, ᖃᐅᔨᓴᐃᔪᖅ ᐆᒃᑐᕋᐃᔾᔭᑎ ᐊᑐᖅᑕᐅᓂᐊᖅᑐᖅ ᐅᒥᐊᕐᔪᐊᕐᒥᑦ ᐊᓂᐊᔪᓂᑦ ᓄᓇᓕᖕᒧᑦ ᖃᓪᓕᑎᑕᐅᓕᖄᖓᑕ. ᐅᑭᐅᑕᒫᒃᑯᑦ ᑲᑎᕐᓗᒥᑦ ᖁᓰᑦ ᐆᒃᑐᕋᐃᔾᔭᑏᑦ ᑲᑎᑕᐅᖃᑦᑕᕐᓂᐊᖅᑐᑦ ᐊᑐᓂ ᐃᓂᐅᔪᓂᑦ, ᐃᓚᐅᑉᓗᑎᒃ ᐆᒃᑐᕋᐃᔾᔭᑏᑦ ᓄᓇᓕᖕᒥᑦ ᐅᒥᐊᕐᔪᐊᖅᑕᖃᙱᑎᓪᓗᒍ, ᐊᒻᒪᓗ ᐅᒥᐊᕐᔪᐊᑦ ᓄᓇᓕᖕᒦᑎᓪᓗᒋᑦ. ᑭᖑᓪᓕᖅᐹᖅ ᐆᒃᑐᕋᐃᓂᖏᑦ ᐊᑐᕐᓂᐊᖅᑐᑦ ᒥᑦᑎᑕᐅᑎᓂᒃ ᒥᑭᔫᑎᑦ ᐊᐅᒃᑕᔫᓂᒃ ᑲᑎᑦᑎᔾᔪᑕᐅᓗᓂ ᐃᒪᐅᑉ ᐃᓗᐊᓂᑦ. ᐃᒪᕐᒧᐊᖅᑕᐅᓯᒪᖃᑦᑕᕐᓂᐊᖅᑐᖅ ᑕᓪᓕᒪᐃᖅᑕᕐᓗᒍ ᐅᑭᐅᑉ ᐃᓗᐊᓂᑦ ᐊᑐᓂ ᐃᓂᐅᔪᓂᑦ. ᒥᑦᑎᑕᐅᑏᑦ ᐃᒪᕐᒥᑦ ᐱᔭᐅᔪᓂᒃ ᑲᑎᑦᑎᖃᑦᑕᖅᑐᖅ ᐅᓂᐊᖅᑕᐅᑉᓗᓂ ᒥᑭᔪᒧᑦ ᐅᒥᐊᕐᒧᑦ. ᑲᑎᑕᐅᔪᑦ ᖃᐅᔨᓴᖅᑕᐅᓕᖅᓱᑎᒃ, ᐃᒪᖅᑕᖃᙱᓗᓂ. ᐱᓕᕆᐊᖅ ᐱᕙᓪᓕᐊᔪᐅᖃᑕᐅᓚᐅᕐᒪᑦ ᐅᖃᖃᑎᖃᖃᑦᑕᐅᑎᓂᒃᑯᑦ ᓄᓇᕐᔭᐊᕐᒥᑦ, ᓄᓇᒥᔭᐅᔭᒥᑦ, ᐊᒻᒪᓗ ᐃᓄᐃᑦ ᓄᓇᓕᖕᒥᐅᓂᒃ ᐱᓕᕆᖃᑎᒦᓄᑦ ᐅᑉᓗᐊᓂᐊᕐᓗᓂ ᐱᔭᓇᐊᖃᒻᒪᓇᒃᑐᒍᑦ ᐊᒻᒪᓗ ᓄᓇᓕᖕᒥᐅᓄᑦ ᐃᓕᑕᓇᔭᐅᓯᒪᔪᓂᒃ ᖃᐅᔨᓴᖅᑕᐅᔭᓇᐊᓕᖕᓂᑦ, ᓂᓇᐅᒥᔭᐅᔪᖅ ᐱᓕᕆᐊᖅ ᐊᖕᒥᔪᒥᒃ ᐊᒃᑐᖅᓯᓂᖃᕐᓂᐊᕐᓂᖓᓄᑦ ᐊᒻᒪᓗ ᐊᒥᓲᔪᓂᒃ ᖃᓄᐃᖕᒪᓂᖃᕐᓗᓂ. ᖃᓄᐃᖕᒪᓂᐅᔪᑦ ᐃᑲᔪᕐᓂᐊᖅᑐᑦ ᐊᔾᔨᒌᙱᑦᑐᓂᒃ ᐃᓱᒪᓕᐅᕆᔨᓂᒃ ᑐᕌᒐᖅᑐᑦ ᐅᑯᓄᖓ; a) ᒥᑭᓖᒃᑰᖅᑎᓐᓂᐊᕐᓗᒋᑦ ᐅᓗᕆᐊᓇᖅᑐᑦ ᐅᒥᐊᕐᔪᐊᕐᓂᑦ ᐱᔪᑦ ᐃᓄᖕᓄᑦ, ᐱᖅᑯᓯᖕᒥᓐᓄᑦ, ᖃᓄᐃᓐᓂᖕᒥᑦ ᐃᓅᓯᖕᒥᓐᓄᑦ ᐊᒻᒪᓗ ᐊᕙᑎᒧᑦ, b) ᐃᑲᔪᖅᑐᐃᓗᓂ ᐊᑐᖅᑕᐅᓂᖕᒥᑦ ᖃᐅᔨᓇᓯᖕᓂᕐᒧᑦ ᖃᐅᔨᔾᔪᑕᐅᔪᑦ

ᐊᑐᐊᒐᓕᐅᕆᓂᕐᒧᑦ ᐃᓱᒪᓕᐅᕆᓂᕐᒧᑦ ᐊᒃᑐᖅᓯᐋᓂᒃ ᐅᒥᐊᕐᐋᐊᓂᒃ ᐅᑭᐅᖅᑕᖅᑐᒥᑦ/ᐃᓄᐃᑦ ᐊᙱᕐᕿᙱᓐᓂᑦ, ᐊᒻᒪᓗ c) ᐱᐅᓯᒋᐊᕐᓗᒋᑦ ᐱᓕᕆᖃᑎᒌᖕᓂᖕᒋᑦ ᐃᒫᓂᑦ ᐱᓕᕆᐊᓖᑦ, ᓄᓇᓖᑦ ᐊᒻᒪᓗ ᖃᐅᔨᓇᓱᒃᑐᓕᕆᓂᖅ. ᓈᓴᐅᑏᑦ/ᑎᑎᖅᑲᑎᓗᒃᑖᑦ ᐱᔭᐅᔪᑦ ᐱᓕᕆᐊᕐᒧᑦ ᐃᓚᒋᔭᐅᓂᐊᖅᑐᑦ ᐃᓄᐃᑦ ᖃᐅᔨᓴᕐᓂᕐᒧᑦ ᐱᓕᕆᔾᔪᑎᑦ ᐅᒥᐊᕐᐋᐊᓂᑦ ᐅᓗᕆᐊᓇᖅᑐᓂᒃ ᐃᓄᐃᑦ ᓄᓇᖓᓂᑦ ᐱᓕᕆᐊᓖᑦ ᐅᖃᓪᓗᕆᒃᓴᐅᑎᓂᖃᕐᓂᐊᕐᓗᑎᒃ. ᓄᓇᓕᖕᒥᑦ ᐱᓕᕆᖃᑎᒋᔭᐅᔪᑦ ᑲᑎᑦᑎᖃᑕᐅᓂᐊᖅᑐᑦ, ᖃᐅᔾᓴᐃᖃᑕᐅᓗᑎᒃ, ᐊᒻᒪᓗ ᑭᖑᓪᓕᖅᑳᒃᑰᖕᒐᓕᖅᑎᕆᖃᑕᐅᓗᑎᒃ ᐅᓂᒃᑳᓗᒃᑖᓂᒃ ᐊᒻᒪᓗ ᓈᓴᐅᑏᑦ/ᑎᑎᖅᑲᐃᑦ ᑲᒪᒋᔭᐅᓂᖕᒋᓐᓄᑦ ᐃᓱᒪᓕᐅᕆᓂᕐᓄᑦ. ᖃᓄᐃᖕᒐᓂᐅᔪᑦ ᑐᓂᔭᐅᓂᐊᖅᑐᑦ ᐊᕐᕕᐊᓄᑦ ᐊᒻᒪᓗ ᒥᑦᑎᒪᑕᓕᖕᒧᑦ ᐱᓕᕆᐊᖅ ᐱᕚᓪᓕᐊᓂᖕᒐᓂᑦ 2022-ᒥᑦ 2025-ᒧᑦ, ᐊᒻᒪᓗ ᖃᓄᐃᖕᒐᓂᐅᔪᑦ ᓇᐃᓈᖅᑎᖅᑕᐅᒃᐸᑕ ᐱᓕᕆᐊᖏᑦ ᐋᖅᑭᒃᓱᐃᓂᐊᖅᑐᑦ ᑐᑭᓯᓐᓇᖅᑐᒃᑯᑦ ᐅᖃᐅᓯᒃᑯᑦ ᐅᓂᒃᑳᓂᒃ, ᓈᓚᒡᕕᒃᑯᑦ ᐊᐱᖅᓱᐃᓂᕐᓂᒃ, Facebook-ᑯᑦ ᓴᖅᑭᑦᑎᓗᑎᒃ ᐊᓯᖕᒥᓂᓪᓗ ᐊᑐᖅᑕᐅᔪᓂᒃ ᐱᔭᐅᔭᕆᐊᓖᑦ ᑭᑐᓗᒃᑖᓄᑦ ᑕᑯᔭᐅᔪᖕᓇᕐᓂᐊᕐᓗᑎᒃ.

Personnel

Personnel on site: 4

Days on site: 20

Total Person days: 80

Operations Phase: from 2022-07-01 to 2025-10-01

ᐱᓕᕆᐊᕆᔭᐅᓂᐊᖅᑐᑦ

ᓇᒥ	ᖃᓄᐃᑦᑑᒥᑦ ᐱᓕᕆᐊᖃᕐᓂᐊᖅᐸ	ᑭᒃᑯᑦ ᓄᓇᖁᑖᓂ	ᑐᓴᐅᒪᔭᒃᓴᑦ ᓄᓇᐅᑉ ᖃᓄᖅ ᐊᑐᒐᐅᓚᐅᖅᓯᒪᔭᕆᐊᖕᒐᓐᓂᒃ	ᐃᑦᓴᕐᓂᑕᖃᕐᐱᐅᕈᓚᐅᖅᐸ ᐃᓄᒃᓄᑦ ᓇᔪᖅᑕᐅᖃᑦᑕᕐᓂᑰᕈᓗ ᑕᐃᑦᓯᒪᓂᑐᖃᐅᓕᖅᑐᖅ	ᖃᓂᓐᓂᖅᐹᖅ ᓄᓇᓕᒋᔭᐅᔪᖅ ᐊᒻᒪᓗ ᓴᐳᒻᒥᒃᓰᐱᐅᕈᓗ ᓱᓇᓄᑦ
Eclipse Sound	Marine Based Activities	Marine	Active waterway	None known	Pond Inlet
Eclipse Sound	Sampling sites	Inuit Owned Surface Lands	None known	None known	Across Eclipse Sound from Pond Inlet

ᓄᓇᓕᐅᑉ ᐃᓚᐅᖃᑕᐅᓂᖓ ᓄᓇᓖᓐᓗ ᐊᐱᒃᑐᖅᓯᒪᐅᕐᓂᖓᓄᑦ ᐃᑲᔪᑕᐅᔪᓐᓇᖅᑐᑦ

ᓄᓇᓕᒋᔭᖅ	ᐊᑏᑦ	ᑲᑐᔾᔨᐊᖃᑎᒌᒋᔭᖅ	ᖃᖓᓗ ᑐᓴᖅᑎᑕᐅᓚᐅᕆᐊᖏᓐᓂᒃ
ᒥᑦᑎᒪᑕᓕᒃ	Molleen	HTO	2021-11-23
ᒥᑦᑎᒪᑕᓕᒃ	Shelly Elverum	Ikaarvik	2021-12-01
ᒥᑦᑎᒪᑕᓕᒃ	Jamie Enook	ECCC	2021-11-01
ᒥᑦᑎᒪᑕᓕᒃ	Justin Milton	Ikaarvik	2021-12-01

ᓇᐃᓴᓐᓰᑦ ᐱᒍᖕᓇᐅᑏ ᐊᖏᖅᑕᐅᓯᒪᔪᑦ

ᓇᒦᒋᐊᖏᓐᓂᒃ ᐱᓕᕆᐊᕆᕝᕕᐅᓂᐊᖅᑐᑦ ᑎᑎᕋᖅᓗᒥᑦ:

North Baffin

ᓇᐃᓴᓐᓰᑦ ᐱᒍᖕᓇᐅᑏ ᐊᖏᖅᑕᐅᓯᒪᔪᑦ

ᒐᕙᒪᒋᔭᐅᔫᑉ ᐊᕕᒃᑐᖅᓯᒪᐅᕐᓂᖓᓐᓂ ᒪᓕᒐᕐᓅᖓᔪᓂᒃ ᐱᕐᑯᔭᕐᓅᖓᔪᓂᒡᓗ ᑲᒪᔩᑦ ᐱᔪᖕᓇᐅᑎᑖᕈᑎᓂᒃ ᓇᐃᓴᓐᓯᓄᓪᓗ ᑲᔪᓯᒃᑲᐃᔩᑦ	ᖃᓄᐃᑦᑐᓪᓚᕆᐅᕋ ᓇᐃᓴᓐᓯᑖᕈᑕᐅᔪᖅ ᐱᔪᖕᓇᐅᑎᑖᕈᑕᐅᔪᖅ ᐊᖏᖅᑕᐅᔪᕐᓗᓐᓃᑦ	ᒫᓐᓇ ᖃᓄᐃᓕᖓᕋ	ᐅᓪᓗᒥ ᑐᓂᔭᖅ/ ᑐᒃᓯᖅᑑᑕᐅᓚᐅᖅᓯᒪᔪᖅ	ᑭᒡᓕᖅᑲᕐᕕᖓ
ᓄᓇᕗᒥ ᖃᐅᔨᓴᖅᑐᓕᕆᔨᒃᑯᑦ	Applied for an NRI Research license	Applied, Decision Pending		
ᐃᓄᐃᑦ ᑲᑐᔾᔨᖅᑲᑎᒌᒃᑯᖏᑦ	Application to access Inuit owned lands to place the passive sampling device	Not Yet Applied		

Project transportation types

Transportation Type	ᓱᓇᒧᑦ ᐊᑐᒐᐅᓂᐊᖅᐸ	Length of Use
Water	small vessels from Pond Inlet, day trips	

Project accomodation types

ᓄᓇᓕᒥᔭᖅ

ᐊᓯᖓ,

ᐊᑐᒪᐅᓂᐊᖅᑐᖅ

ᐱᖁᑦ ᐊᒃᑭᐊᖅ ᐊᑐᖅᑕᐅᓂᐅᓴᐊᖅ ᐃᓚᖃᓯᐅᑎᓗᒋᑦ ᐃᑯᑕᐃᑦ, ᒥᙵᐊᕿᐱᑦ, ᖃᖕᒪᑕᓲᖅ, ᓄᓇᓯᐅᑦ ᐊᓯᒃᑭᙵ

ᐊᒃᑭᐊᖅ ᐱᖁᑦ ᐊᑐᒪᐅᓂᐊᖅᑐᖅ ᖃᓄᐃᑦᑑᓂᖓ	ᖃᑦᓯᐅᕋᑦ	ᐊᒃᑭᓂᒃᑭᑦ - ᐳᖅᑐᓂᒃᑭᑦ	ᓱᓇᒧᑦ ᐊᑐᒪᐅᓂᐊᖅᐸ
Manta trawl	1	30cmx40cm	The manta trawl is pulled behind a small boat for approximately 20 min to filter the water. All pieces collected in the net are then collected and sent for analysis.
Passive air samplers	6	30cmx30cm	Passive sampling refers to collecting contaminants from air on a trap that sits out in the open without any pumps pulling in the air. Passive samplers are a low-cost, low-maintenance way to monitor contaminants because they do not require power for pumps or a shed to house the instruments. They are unobtrusive and they make no noise, do not produce any emissions and they simply sit outside and trap contaminants from the air.
Sampling jars	10	10cmx10cm	Glass sampling jars will be used to collect sediments at the shoreline
Shoreline transects	10	10m	Transect tape and materials will be used to mark beaches and shorelines to count plastic pollution, and will be removed when the transects are completed (about 1 horur)

ᑎᑎᕋᐅᓯᓇᓗᒍ ᐅᖅᓱᒃᓴᐃᑦ ᐊᑦᑕᓇᖅᑐᖅᑖᕐᓗ ᐊᑐᖅᑕᐅᓂᐊᕐᓂᒃᑭᑦ

ᓱᓇᒨᑦ ᐅᖅᓱᒃᓴᒡᒥᐊᖅ ᐊᑐᒐᐅᓂᐊᖅᐸ	ᖃᓄᐃᑦᑐᓪᓚᕆᐅᕙ ᐅᖅᓱᒃᓴᒡᒥᐊᖅ	ᖃᑦᓯᐅᕙᑦ ᐅᖅᓱᒃᓴᖃᐅᑏᑦ	ᔫᒃᓴᐅᑉ ᐃᒪᖃᖅᑎᒋᔪᓐᓇᕐᓂᖓ	ᑲᑎᓪᓗᒍ	ᔫᒃᓴᐃᑦ ᐊᒥᖑᓂᖏᑦ	ᓱᓇᒨᑦ ᐊᑐᒐᐅᓂᐊᖅᐸ
Gasoline	fuel	3	5	15	Liters	Small boat engines for sampling

ᐃᒪᖅ ᐊᑐᖅᑕᐅᔮᖅᑐᖅ

ᐅᓪᓗ ᑕᒫᖅ ᐊᑐᖅᑕᐅᓂᐊᖅᑐᖅ	ᖃᓄᖅ ᐃᒥᖅᑕᖃᑦᑕᕐᓂᐊᖅᐸᑦ	ᓇᑭᑦ ᐃᒥᖅᑕᖃᑦᑕᕐᓂᐊᖅᐸᑦ
0		

ᐊᑲᑕᔪᑦ

ᐊᑲᑕᔪᓪᓗᓂᐊᕐᓂᖅ

ᐱᓕᓗᐊᓗᓴᐅᔾᔨᒪᔨᒧᑦ ᐱᓕᓗᐊᓗᓴᐅᓂᐊᖅᑐᖅ	ᖃᓄᐃᐃᑦᑐᖅ ᐊᑲᑕᔪᖅ	ᖃᓄᐃᑎᒋ ᐊᑲᑕᔪᑦ ᓴᖅᑭᐊᓂᐊᖅᑐᓗᓴᐅᔾᔪᑦ	ᖃᓄᐃᓂᖅ ᐊᑲᑕᖅᑕᐅᓂᐊᖅᐸ	ᓴᓪᓕᒪᖅᓴᐅᑎᑲᓴᑲᖅᓂᓂᐅᓂᐊᖅᑐᑦ
Information is not available				

ᐊᔾᔨᑎᒥᐅᑕᓂᕐᑐᑦ ᐊᑲᑐᖅᑕᐅᓯᒪᔨᑦ

We do not expect any environmental impacts from this work, in fact, the goal of the work is to address potential environmental impacts from vessel traffic in the region. Our team will actively work in minimize any impacts on wildlife during the collection of samples.

Additional Information

SECTION A1: Project Info

SECTION A2: Allweather Road

SECTION A3: Winter Road

SECTION B1: Project Info

SECTION B2: Exploration Activity

SECTION B3: Geosciences

SECTION B4: Drilling

SECTION B5: Stripping

SECTION B6: Underground Activity

SECTION B7: Waste Rock

SECTION B8: Stockpiles

SECTION B9: Mine Development

SECTION B10: Geology

SECTION B11: Mine

SECTION B12: Mill

SECTION C1: Pits

SECTION D1: Facility

SECTION D2: Facility Construction

SECTION D3: Facility Operation

SECTION D4: Vessel Use

SECTION E1: Offshore Survey

SECTION E2: Nearshore Survey

SECTION E3: Vessel Use

SECTION F1: Site Cleanup

SECTION G1: Well Authorization

SECTION G2: Onland Exploration

SECTION G3: Offshore Exploration

SECTION G4: Rig

SECTION H1: Vessel Use

SECTION H2: Disposal At Sea

SECTION I1: Municipal Development

ᐃᒡᓗ ᐊᕐᑎᐅᕆᑦ ᖃᓄᐃᑦᑐᑦᓯᓇᐅᔪᖓ: ᓄᓇᕆᑦ ᖃᓄᐃᑦᑐᔪᖓ

ᐃᒡᓗ ᐊᕐᑎᐅᕆᑦ ᖃᓄᐃᑦᑐᑦᓯᓇᐅᔪᖓ: ᐅᒪᔨᖅᑕᖃᖅᖢᖓ

ᐃᒡᓗ ᐊᕐᑎᐅᕆᑦ ᖃᓄᐃᑦᑐᑦᓯᓇᐅᔪᖓ: ᐃᓄᓕᓇᓂᕐᒧᖓᔪᑦ-ᐱᕐᓕᐊᔨᓯᓇᓂᕐᒧᖓᔪᑦ

Miscellaneous Project Information

ᓴᓗᓴᐃᖅᑕᐅᓂᖏᑦ ᐊᖑᖅᑕᐅᐅᓱᒪᔨᑦ ᖃᓄᐃᑦᑐᔪᖓᖏᑦ ᕿᓯᐅᒥᔭᔨᓱᖅᑕᐅᓂᐊᕐᓂᖏᑦᓗ

Cumulative Effects

We do note expect any cumulative effects from this work, and in fact we set out to study the cumulative effects from shipping.

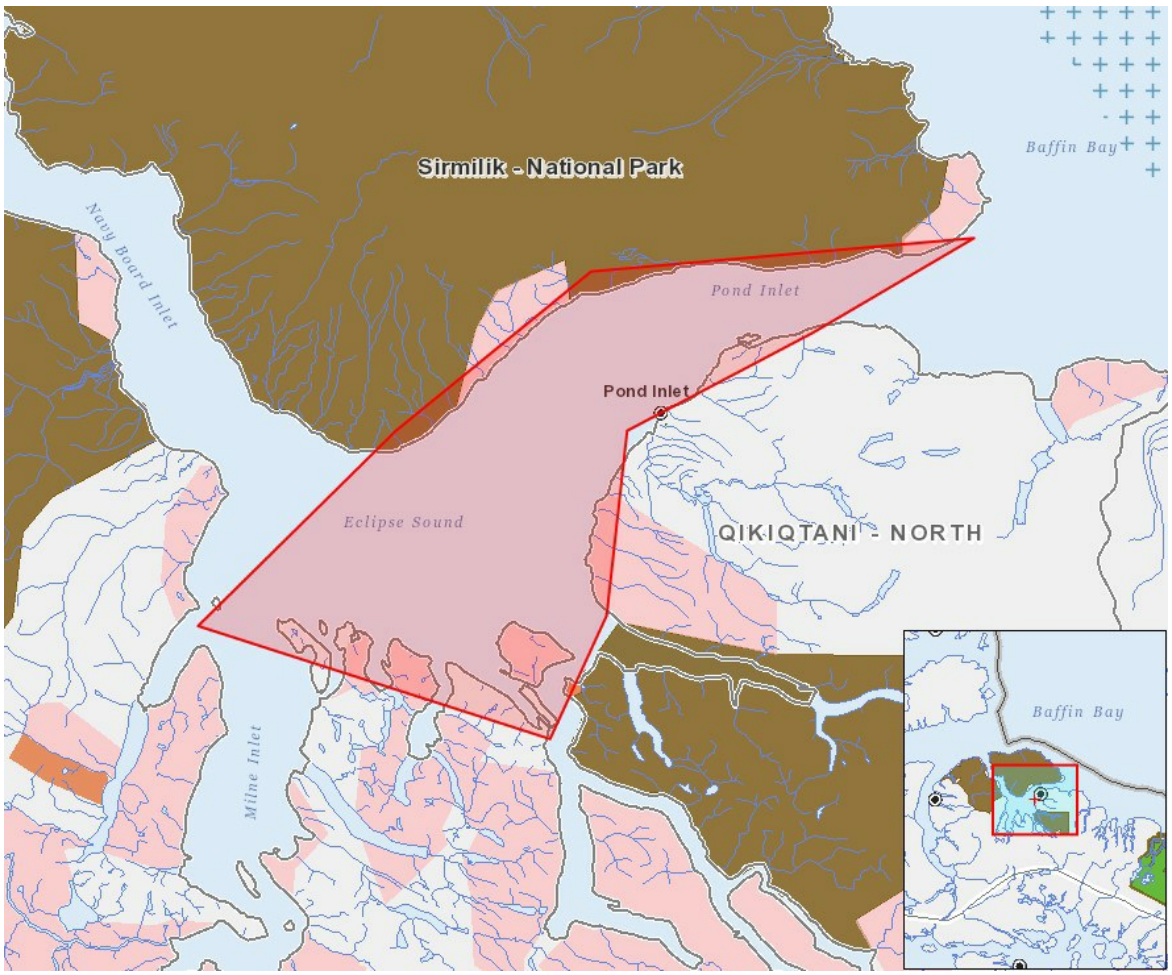
Impacts

ᓇᓗᓇᐃᖅᑕᐅᓂᖏᑦ ᐊᕙᑎᒥᐅᑕᓃᑦᑐᑦ ᐊᒃᑐᖅᑕᐅᓯᒪᔪᑦ

	PHYSICAL	Designated environmental areas	Ground stability	Permafrost	Hydrology / Limnology	Water quality	Climate conditions	Eskers and other unique or fragile landscapes	Surface and bedrock geology	Sediment and soil quality	Tidal processes and bathymetry	Air quality	Noise levels	BIOLOGICAL	Vegetation	Wildlife, including habitat and migration patterns	Birds, including habitat and migration patterns	Aquatic species, incl. habitat and migration/spawning	Wildlife protected areas	SOCIO-ECONOMIC	Archaeological and cultural historic sites	Employment	Community wellness	Community infrastructure	Human health
ᓴᓇᓂᖅ																									
-		-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-
ᐅᓯᖃᒃᑕᕐᓂᖅ																									
Marine Based Activities		-	-	-	-	-	-	-	-	-	-	-	-		-	N	N	N	-		-	-	-	-	-
ᐃᑐᑦᑎᕆᓂᖅ																									
-		-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-

(P = ᐊᑲᐅᓈᕈᑎᔪᓐᓇᖅᑐᑦ, N = ᐊᑲᐅᖕᒋᔾᔪᑕᐅᔪᓐᓇᖅᑐᑦ ᐸᓚᐅᒥᔾᔪᓯᖅᑐᖅᑕᐅᔪᓐᓇᖕᒋᑦᑐᓪᓗ, M = ᐊᑲᐅᖕᒋᔾᔪᑕᐅᔪᓐᓇᖅᑐᑦ ᐸᓚᐅᒥᔾᔪᓯᖅᑐᖅᑕᐅᔪᓐᓇᖅᑐᓪᓗ, U = ᖃᐅᔨᒪᓐᓇᖕᒋᑦᑐᖅ)

ᓇᒻᒪᖅᑎᖅ ᐱᓕᓇᐊᓇᓵᐅᔪᖅ



List of Project Geometries

1	polygon	Eclipse Sound