



## **NIRB Uuktuutinga Ihivriughikhamut #125715**

### **'Kaujivalliajut nillikulunnik | Getting to know little geese.'**

**Uuktuutinga Qanurittuq:** New

**Havaap Qanurittunia:** Scientific Research

**Uuktuutinga Ublua:** 6/13/2022 8:50:17 AM

**Period of operation:** from 0001-01-01 to 0001-01-01

**Piumayaat Angirutinga:** from 0001-01-01 to 0001-01-01

**Havauhikhaq Ikayuqtinga:** Meredith Purcell  
Torngat Wildlife, Plants and Fisheries Secretariat  
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Happy Valley-Goose Bay NL A0P1E0  
Canada  
Hivayautit Nampanga:: 7098968912, Kayumiktukkut Nampanga::

# QANURITTUT

## Tukihiannaqtunik havaariyaumayumik uqauhiuyun

**Qablunaatitut:** Determine the species or subspecies of geese locally known as the lesser geese. Where are they coming from? They first appeared along coastal Labrador following a high wind event over a decade ago. Since that time, they have returned each year in the early fall and have been reported from Saglek to Port Hope Simpson. Since 2014 Environment and Climate Change Canada has been working with Indigenous groups and harvesters to collect reference samples. Measurements have not been effective in solving the goose mystery. We are now branching out to include a variety of methods such as isotopes, genetics, and community engagement in order to provide some additional clues on where these geese come from!

**Uiviititut:** Déterminer l'espèce ou la sous-espèce d'oies connues localement sous le nom de petites oies. D'où viennent-elles ? Elles sont apparues pour la première fois le long de la côte du Labrador à la suite d'un épisode de vents violents il y a plus de dix ans. Depuis lors, elles reviennent chaque année au début de l'automne et ont été signalées de Saglek à Port Hope Simpson. Depuis 2014, Environnement et Changement climatique Canada collabore avec des groupes autochtones et des exploitants pour recueillir des échantillons de référence. Les mesures n'ont pas été efficaces pour résoudre le mystère des oies. Nous nous diversifions maintenant pour inclure une variété de méthodes telles que les isotopes, la génétique et l'engagement communautaire afin de fournir des indices supplémentaires sur l'origine de ces oies !

**Inuktitut:**   
 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 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1516. 1517. 1518. 1519. 1520. 1521. 1522. 1523. 1524. 1525. 1526. 1527. 1528. 1529. 1530. 1531. 1532. 1533. 1534. 1535. 1536. 1537. 1538. 1539. 1540. 1541. 1542. 1543. 1544. 1545. 1546. 1547. 1548. 1549. 1550. 1551. 1552. 1553. 1554. 1555. 1556. 1557. 1558. 1559. 1560. 1561. 1562. 1563. 1564. 1565. 1566. 1567. 1568. 1569. 1570. 1571. 1572. 1573. 1574. 1575. 1576. 1577. 1578. 1579. 1580. 1581. 1582. 1583. 1584. 1585. 1586. 1587. 1588. 1589. 1590. 1591. 1592. 1593. 1594. 1595. 1596. 1597. 1598. 1599. 1600. 1601. 1602. 1603. 1604. 1605. 1606. 1607. 1608. 1609. 1610. 1611. 1612. 1613. 1614. 1615. 1616. 1617. 1618. 1619. 1620. 1621. 1622. 1623. 1624. 1625. 1626. 1627. 1628. 1629. 1630. 1631. 1632. 1633. 1634. 1635. 1636. 1637. 1638. 1639. 1640. 1641. 1642. 1643. 1644. 1645. 1646. 1647. 1648. 1649. 1650. 1651. 1652. 1653. 1654. 1655. 1656. 1657. 1658. 1659. 1660. 1661. 1662. 1663. 1664. 1665. 1666. 1667. 1668. 1669. 1670. 1671. 1672. 1673. 1674. 1675. 1676. 1677. 1678. 1679. 1680. 1681. 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1848. 1849. 1850. 1851. 1852. 1853. 1854. 1855. 1856. 1857. 1858. 1859. 1860. 1861. 1862. 1863. 1864. 1865. 1866. 1867. 1868. 1869. 1870. 1871. 1872. 1873. 1874. 1875. 1876. 1877. 1878. 1879. 1880. 1881. 1882. 1883. 1884. 1885. 1886. 1887. 1888. 1889. 1890. 1891. 1892. 1893. 1894. 1895. 1896. 1897. 1898. 1899. 1900. 1901. 1902. 1903. 1904. 1905. 1906. 1907. 1908. 1909. 1910. 1911. 1912. 1913. 1914. 1915. 1916. 1917. 1918. 1919. 1920. 1921. 1922. 1923. 1924. 1925. 1926. 1927. 1928. 1929. 1930. 1931. 1932. 1933. 1934. 1935. 1936. 1937. 1938. 1939. 1940. 1941. 1942. 1943. 1944. 1945. 1946. 1947. 1948. 1949. 1950. 1951. 1952. 1953. 1954. 1955. 1956. 1957. 1958. 1959. 1960. 1961. 1962. 1963. 1964. 1965. 1966. 1967. 1968. 1969. 1970. 1971. 1972. 1973. 1974. 1975. 1976. 1977. 1978. 1979. 1980. 1981. 1982. 1983. 1984. 1985. 1986. 1987. 1988. 1989. 1990. 1991. 1992. 1993. 1994. 1995. 1996. 1997. 1998. 1999. 2000. 2001. 2002. 2003. 2004. 2005. 2006. 2007. 2008. 2009. 2010. 2011. 2012. 2013. 2014. 2015. 2016. 2017. 2018. 2019. 2020. 2021. 2022. 2023. 2024. 2025. 2026. 2027. 2028. 2029. 2030. 2031. 2032. 2033. 2034. 2035. 2036. 2037. 2038. 2039. 2040. 2041. 2042. 2043. 2044. 2045. 2046. 2047. 2048. 2049. 2050. 2051. 2052. 2053. 2054. 2055. 2056. 2057. 2058. 2059. 2060. 2061. 2062. 2063. 2064. 2065. 2066. 2067. 2068. 2069. 2070. 2071. 2072. 2073. 2074. 2075. 2076. 2077. 2078. 2079. 2080. 2081. 2082. 2083. 2084. 2085. 2086. 2087. 2088. 2089. 2090. 2091. 2092. 2093. 2094. 2095. 2096. 2097. 2098. 2099. 2100. 2101. 2102. 2103. 2104. 2105. 2106. 2107. 2108. 2109. 2110. 2111. 2112. 2113. 2114. 2115. 2116. 2117. 2118. 2119. 2120. 2121. 2122. 2123. 2124. 2125. 2126. 2127. 2128. 2129. 2130. 2131. 2132. 2133. 2134. 2135. 2136. 2137. 2138. 2139. 2140. 2141. 2142. 2143. 2144. 2145. 2146. 2147. 2148. 2149. 2150. 2151. 2152. 2153. 2154. 2155. 2156. 2157. 2158.

# Hulilukaarutit

| Inigiya                           | Hulilukaarut<br>Qanurittuq | Nunannga<br>Qanurittaakhaanik | Initurlinga<br>qanuritpa | Initurlinga<br>utuqqarnitat<br>unaluuniit<br>Ingilraaqnitat<br>Uyarannguqtut<br>akhuurninnga | Qanitqiyauyuq<br>qanitqiamut<br>nunallaat<br>kitulluuniit<br>ahiruqtaliyainnit<br>nuna |
|-----------------------------------|----------------------------|-------------------------------|--------------------------|--|--|
| Bylot Island<br>Bird<br>Sanctuary | Other                      | Crown                         | N/A                      | N/A  | N/A  |

## Nunaliin Ilauyun, Aviktuqhimayuniitunullu Ikayuuhiarunguyun

| Nunauyuq                     | Atia | Timiuyuq | Upluani<br>Uqaqatigiyaungmata |
|------------------------------|------|----------|-------------------------------|
| Information is not available |      |          |                               |

# Angiuttauvaktunik

Naunaiqlugu nunanga talvani havauhikhaq ittuq:

Kitikmeot  
Kivalliq  
North Baffin  
South Baffin

## Angiuttauvaktunik

| Munariniqmut<br>Ayuittiaqtuq    | Angirutinga<br>Qanurittuq  | Tadja<br>Qanurittaakhaanik | Ublua<br>Tuniyauyuq/Uuktuqtuq | Umikvikhaa Ublua |
|---------------------------------|--|----------------------------|-------------------------------|------------------|
| Kaanatami Huradjat<br>Munariniq | Scientific permit<br>under the Migratory<br>Bird Regulations                               | Active                     |                               |                  |
| Kaanatami Huradjat<br>Munariniq | Migratory Bird<br>Sanctuary permit<br>under the Migratory<br>Bird Sanctuary<br>Regulations | Active                     |                               |                  |

## Project transportation types

| Transportation<br>Type | Qanuq Atuqtauniarmangaa   | Length of Use |
|------------------------|---|---------------|
| Air                    | We will not be accessing the sites at all. Researchers with separate permits and approvals will be collecting feathers for us in addition to their own work with geese. |               |

## Project accomodation types

Alaanut,

# Ihuaqutivaluin Atuqtauyukhan

Hanalrutit atuqtaunahuat (ukuallu ikuutat, pampiutainnik, tingmitinik, akhaluutinik, hunaluuniit)

| Hanalrutit Qanurittuq | Qaffiuyut | Aktikkulaanga – Qanurittullu | Qanuq Atuqtauniarmangaa                                 |
|-----------------------|-----------|------------------------------|---|
| Paper Envelopes       | 200       | 5 in x 10 in                 | Collect goose feathers for isotope and genetic analysis |
| Envelopes             | 50        | 9 in x 12 in                 | Collect harvester samples                               |

## Qanurittuq Urhuqyuaq unalu Qayangnaqtut Hunavaluit Aturninnga

| Qanurittuq urhuqyuaq hunavaluit aturninnga: | Urhuqyuaq Qanurittuq | Qaffiuyut qattaryut | Qattaryuk Aktikkulaanga | Atauttimut Qaffiuyut | Ilanga | Qanuq Atuqtauniarmangaa |
|---|----------------------|---------------------|-------------------------|----------------------|--------|-------------------------|
| Information is not available                |                      |                     |                         |                      |        |                         |

## Imaqmik Aturninnga

| Ubluq qanuraaluk (m3) | Aturumayain imavaluin utiqtittagaani qanuq | Atulirumayain imavaluin utiqtittagani humi |
|-----------------------|--|--|
| 0                     |  |  |

# Iqqakuq

## Ikkakunik Munakgiyauyunik

| Havauhikhaq<br>Hulilukaarut  | Qanurittuq<br>Iqqakut | Ihumagiyauyuq<br>Qanuraaluktut<br>Atuqtait | Qanuq<br>Iqqakuurniarmangaa | Halummaqtirarnirutikhan<br>piyutin |
|------------------------------|-----------------------|--|-----------------------------|------------------------------------|
| Information is not available |                       |  |                             |                                    |

### Avatiliriniqmut Ayurhautingit:

Feather samples will be taken from birds already being handled under other permits. Our project poses no additional risks or impacts beyond the scope of their existing permits.

# **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**

**Qanurittuq Ittunik Avatinga: Avatingalluanga**

**Qanurittuq Ittunik Avatinga: Inuuhimayunut Avatinga**

**Qanurittuq Ittunik Avatinga: Inungit-maniliurutingit Avatinga**

**Miscellaneous Project Information**

**Naunaiyainiq ukuninnga Ayurhautingit unalu Piumayaat Ikikliyuumiutinahuarutit**

**Tamatkiumayunik Ihuikgutivaktunik**

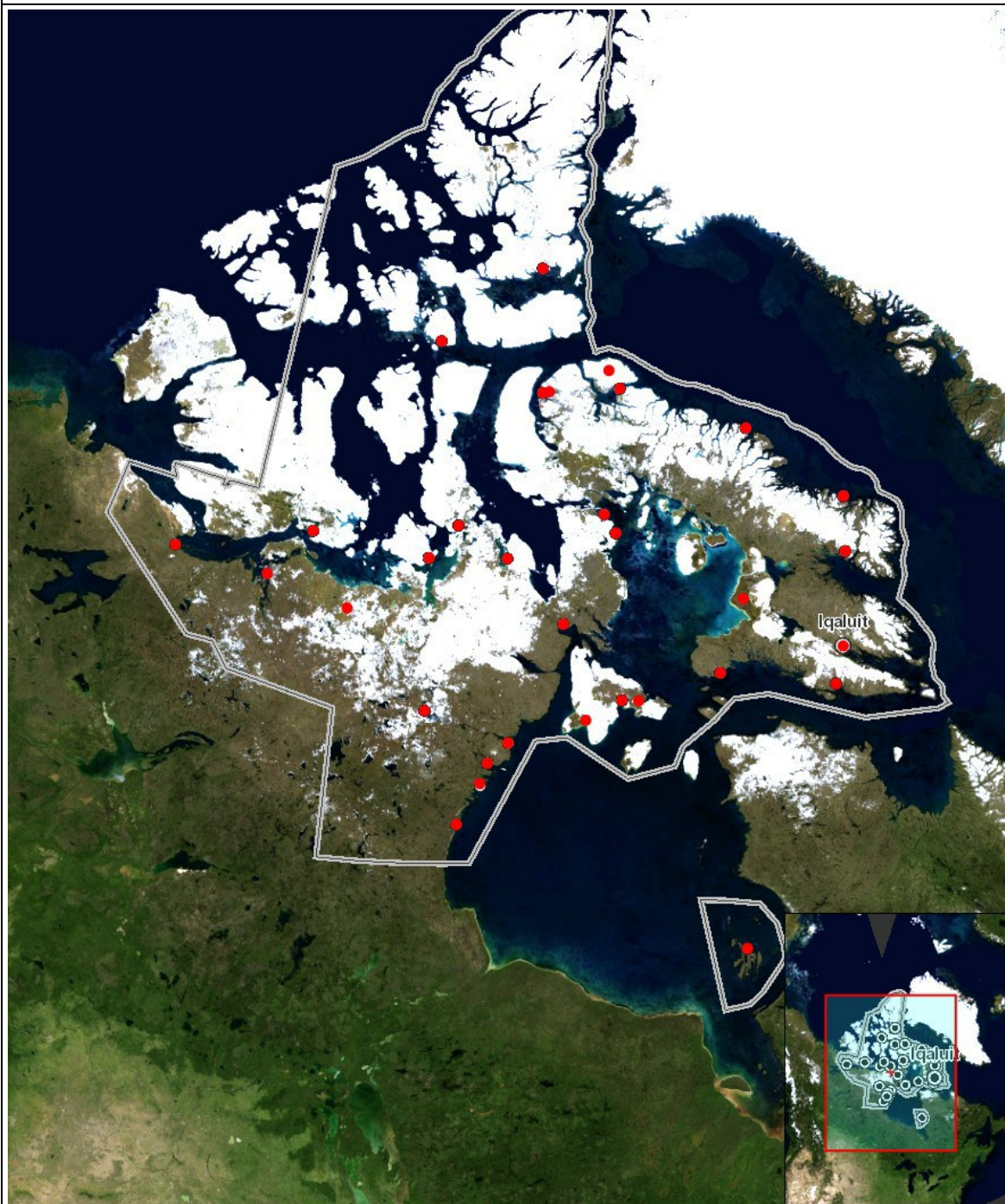


Impacts

Ilitariyauniq Avatiliriniqmut Ayurhautingit

|                |  | 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 |
|----------------|--|----------|--------------------------------|------------------|------------|-----------------------|---------------|--------------------|---|-----------------------------|---------------------------|--------------------------------|-------------|--------------|------------|------------|--|---|---|--------------------------|----------------|--|------------|--------------------|--------------------------|--------------|
| Havakvinga     |  |          |                                |                  |            |                       |               |                    |   |                             |                           |                                |             |              |            |            |  |   |   |                          |                |  |            |                    |                          |              |
| -              |  | -        | -                              | -                | -          | -                     | -             | -                  | -   | -                           | -                         | -                              | -           | -            |            | -          | -  | -   | -   | -                        |                | -  | -          | -                  | -                        | -            |
| Aulapkaininnga |  |          |                                |                  |            |                       |               |                    |   |                             |                           |                                |             |              |            |            |  |   |   |                          |                |  |            |                    |                          |              |
| Other          |  | -        | -                              | -                | -          | -                     | -             | -                  | -   | -                           | -                         | -                              | -           | -            |            | -          | -  | N   | -   | -                        |                | -  | -          | -                  | -                        | -            |
| Piiqtauniq     |  |          |                                |                  |            |                       |               |                    |   |                             |                           |                                |             |              |            |            |  |   |   |                          |                |  |            |                    |                          |              |
| -              |  | -        | -                              | -                | -          | -                     | -             | -                  | -   | -                           | -                         | -                              | -           | -            |            | -          | -  | -   | -   | -                        |                | -  | -          | -                  | -                        | -            |

(P = Nakuuyuq, N = Nakuungittut unalu mikhilimaittuq, M = Nakuungittut unalu mikhittaaqtuq, U = Naluyauyuq)



List of Project Geometries

|    |       |  |
|----|-------|--|
| 1  | point | Bylot Island Bird Sanctuary                        |
| 2  | point | Queen Maud Gulf Migratory Bird Sanctuary           |
| 3  | point | Dewey Soper (Isulijarnik) Migratory Bird Sanctuary |
| 4  | point | East Bay Bird Sanctuary                            |
| 5  | point | Iqaluit  |
| 6  | point | Pond Inlet   |
| 7  | point | Kugluktuk  |
| 8  | point | Rankin Inlet                                       |
| 9  | point | Coral Harbour                                      |
| 10 | point | Cambridge Bay                                      |
| 11 | point | Arviat   |
| 12 | point | Igloolik   |

|    |       |                    |
|----|-------|--------------------|
| 13 | point | Whale Cove         |
| 14 | point | Baker Lake         |
| 15 | point | Kinngait           |
| 16 | point | Sanikiluaq         |
| 17 | point | Naujaat            |
| 18 | point | Taloyoak           |
| 19 | point | Arctic Bay         |
| 20 | point | Kimmirut           |
| 21 | point | Grise Fiord        |
| 22 | point | Sanirajak          |
| 23 | point | Clyde River        |
| 24 | point | Resolute           |
| 25 | point | Gjoa Haven         |
| 26 | point | Pangnirtung        |
| 27 | point | Kugaaruk           |
| 28 | point | Qikiqtarjuaq       |
| 29 | point | Harry Gibbons      |
| 30 | point | Chesterfield Inlet |
| 31 | point | Nanisivik          |
| 32 | point | Umingmaktok        |