Natural Resources Ressources naturelles
Canada Canada EQUIVALENT URANIUM Regional radiometric data used in this compilation were acquired from the Geological Survey of Canada (GSC) Geophysical Data Repository. Digital data from high-resolution surveys flown by mineral exploration companies and the Geological Survey of Newfoundland and Labrador were made available through the Geoscience Atlas, Newfoundland and Labrador Department of Industry, Energy and Technology. Results from all high-resolution surveys were levelled to each other using the Geosoft Grid Knit utility. Apparent mismatches between survey blocks are a result of differing line spacing, flight altitudes and equipment platforms. For more detailed information regarding this data presentation, please refer to the online open file documentation. This publication is available for free download through GEOSCAN at https://geoscan.nrcan.gc.ca. Corresponding digital gridded data can be downloaded from the Geological Survey of Canada Geoscience Data Repository for Aeromagnetic Data at https://gdr.agg.nrcan.gc.ca. Digital data and further information regarding detailed Newfoundland surveys can be accessed or downloaded through GSNL's Geoscience Atlas, at https://gis.geosurv.gov.nl.ca/. The following index map and table provide locational and source information for the industry surveys that were merged in this project. Shaded lines in the table indicate surveys which collected radiometric data. Individual surveys on the index map can be identified by their corresponding colour and number in the table below. Line Spacings: Black = 200m or more, Blue = 150m, Green = 125m, Red = 100m, SURVEY INDEX AND NATIONAL TOPOGRAPHIC SYSTEM REFERENCE ornerstone Capital Resources Inc. uchans Minerals Corp.; Benton Resources Corp.; uchans River Ltd.; Quest Inc.; R. Quinlan Buchans Minerals Corp.; Benton Resources Corp.; 2009 200 16 DN16519 Puddle Pond - Barachois Brook Bugro St. George's Bay 17 DN14324 Puddle Pond / Long Range Geotech Royal Roads Corp.; Benton Resources Corp. 2008 200 18 DN16752 Puddle Pond - Barachois Brook Block A Fugro

19 DN17484 Lloyds Lake / MolyPeak & Horn- Geotech
 19
 DN17484
 Lloyds Lake / MolyPeak & Horn-Mesh
 Geotech
 Puddle Pond Resources Inc.; North Range Resources
 2011
 200
 69
 E-M
 H

 20
 DN01003
 Lloyds River
 Aerodat
 Noranda Mining & Exploration Inc.
 1995
 200
 45
 E-M-V
 H

 21
 DN01001
 Stanley Waters
 Aerodat
 Noranda Mining & Exploration Inc.
 1995
 200
 45
 E-M-V
 H

 22
 DN01002
 Harmsworth Steady
 Aerodat
 Noranda Mining & Exploration Inc.
 1995
 200
 45
 E-M-V
 H

 23
 DN13692
 Red Indian Lake / Healy Bay
 AeroQuest
 Messina Minerals Inc.
 2007
 200
 51
 E-M
 H

 24
 DN14044
 Topsails Block 2
 UTS Geophysics
 Altius Resources Inc.; JNR Resources Inc.
 2008
 200
 50
 M-R
 F

 25
 DN07590
 Block B, Glover Island
 Fugro
 New Island Minerals Ltd.
 2000
 200
 40
 E-M
 H

 26
 DN15609
 Aftius Resources Inc.

Goldak Altius Resources Inc.

DN24569 Gander Lake South CGG / Fugro Palisade Resources; Krinor Resources; New Found Gold Corp.

33 DN17878 Finger Pond West Geotech Marathon Gold Corp.

34 DN17860 Finger Pond East Geotech Marathon Gold Corp.

DN02032 Tally Pond & Duck Pond Aerodat Noranda Mining & Exploration Inc.

36 DN08012 Buchans Block C CGG Geoterrex-Dighem Billiton Exploration Canada Ltd.

GGG Geoterrex-Dighem Billiton Exploration Canada Ltd.

GGG Geoterrex-Dighem Billiton Exploration Canada Ltd. 38 GSC Red Indian Line II - L CGG GeoterrexBilliton Exploration Canada Ltd. 39 DN08013 Buchans Block D Geological Survey of Newfoundland and Labrador 2019 150 90 M-R-V F 41 DN09913 Twillick Brook 55 DN11417 Hermitage West AeroQuest Pathfinder Resources Ltd.; Commander Resources 2006 100 30 E-M-R
 55
 DN11417
 Hermitage vvest
 AeroQuest
 Ltd.
 2006
 100
 30
 E-M-R
 H

 56
 DN11414
 Hermitage Central
 AeroQuest
 Commander Resources Ltd.
 2006
 100
 30
 E-M-R
 H

 57
 DN11423
 Hermitage East
 AeroQuest
 Pathfinder Resources Ltd.; Commander Resources
 2006
 100
 30
 E-M-R
 H
 58 DN11296 Granite Lake Project AeroQuest Playfair Mining Ltd. 59 DN06682,3 Great Burnt Lake Block B & A AeroQuest Celtic Minerals Ltd.
60 DN08783 Pipestone Pond Sial Celtic Minerals Ltd.
61 DN14441 Staghorn Lake AeroQuest Metals Creek Resources Corp. 62 DN24339 Victoria Lake / Victoria River Scott Hogg & Associates Antler Gold Inc.; Altius Resources Inc 64 DN18453 Victoria Lake 75 DN24281 Grand Falls / Crystal Lake Scott Hogg & Antler Gold Inc.; Altius Resources Inc. 76 DN05015 Grand Falls - Windsor Aero Surveys Copper Hill Resources Inc.; Pearl Resources Inc. 1997 100 30 E-M H
77 DN13780 Stephenville / Steel Mountain AeroQuest Marathon PGM Corp. 2008 100 51 E-M H
Feur Corpora Mining Corp.; Triple Nine Resources DN24310 Wilding Lake East and West Antler Gold Inc.; Altius Resources Inc. Antler Gold Inc.; Altius Resources Inc. Cabot Strait -58°30' -55°30' E=Electromagnetic M=Magnetic R=Radiometric V=VLF F=Fixed Wing H=Helicopter -58°00' -57°30' -56°30' -57°00' This Open File is a contribution to the Targeted Geoscience Initiative (TGI) program of the Lands and Minerals Sector, Natural Resources Canada. CHARACTERIZATION OF A HIGHLY PROSPECTIVE FAULT SYSTEM WITH AIRBORNE GEOPHYSICS DATA WEST-CENTRAL NEWFOUNDLAND GEOLOGICAL SURVEY OF CANADA OPEN FILE 8781 NEWFOUNDLAND AND LABRADOR DEPARTMENT OF INDUSTRY, ENERGY AND TECHNOLOGY OPEN FILE DOSSIER PUBLIC GEOLOGICAL SURVEY OPEN FILE NFLD/3393, MAP 2021-06 **EQUIVALENT URANIUM** GEOLOGICAL SURVEY OF CANADA COMMISSION GÉOLOGIQUE DU CANADA Authors: D. Oneschuk and G. Kilfoil Map Series Summary GSC Open File 8776: Residual total magnetic field
GSC Open File 8777: First vertical derivative of the magnetic field
GSC Open File 8778: Tilt angle of the magnetic field
GSC Open File 8779: Analytic signal of the magnetic field
GSC Open File 8780: Potassium
GSC Open File 8781: Equivalent uranium
GSC Open File 8782: Equivalent thorium
GSC Open File 8783: Total Count CHARACTERIZATION OF A HIGHLY PROSPECTIVE FAULT SYSTEM WITH AIRBORNE GEOPHYSICS DATA WEST-CENTRAL NEWFOUNDLAND Data compilation and digital cartography by D. Oneschuk, Geological Survey of Canada Newfoundland and Labrador Department of Industry, Energy and Technology Permanent link: https://doi.org/10.4095/328207 NEWFOUNDLAND AND LABRADOR Geological Survey Open File NTS 12-A and parts of NTS 1-M, 2-D, 11-O, P and 12-B The authors would like to thank Ian Honsberger (GSC) for initiating this project NFLD/3393, Map 2021-06 and for his encouragement and support throughout its progression, and Mark Pilkington (GSC) for his helpful comments and suggestions Scale 1:250 000 PLANIMETRIC SYMBOLS to improve the maps. Road Recommended citation Drainage NAD83 / UTM zone 21N Oneschuk, D. and Kilfoil, G., 2021. Topographic Contour Universal Transverse Mercator Projection North American Datum 1983 Equivalent Uranium, Characterization of a highly prospective fault system with airborne geophysics data, Built Up Area © Her Majesty the Queen in Right of Canada, as represented by the Minister of Natural Resources, 2021 Hydrography base at the scale of 1:250 000 from Natural Resources Canada, with modifications Topography base at 100 metre intervals west-central Newfoundland, Newfoundland and Labrador, NTS 12-A and parts of NTS 1-M, 2-D, 11-O, P and 12-B; Geological Survey of Canada, Open File 8781;

Newfoundland and Labrador Department of Industry, Energy and Technology,

Geological Survey Open File NFLD/3393, Map 2021-06; Scale 1:250 000. https://doi.org/10.4095/328207