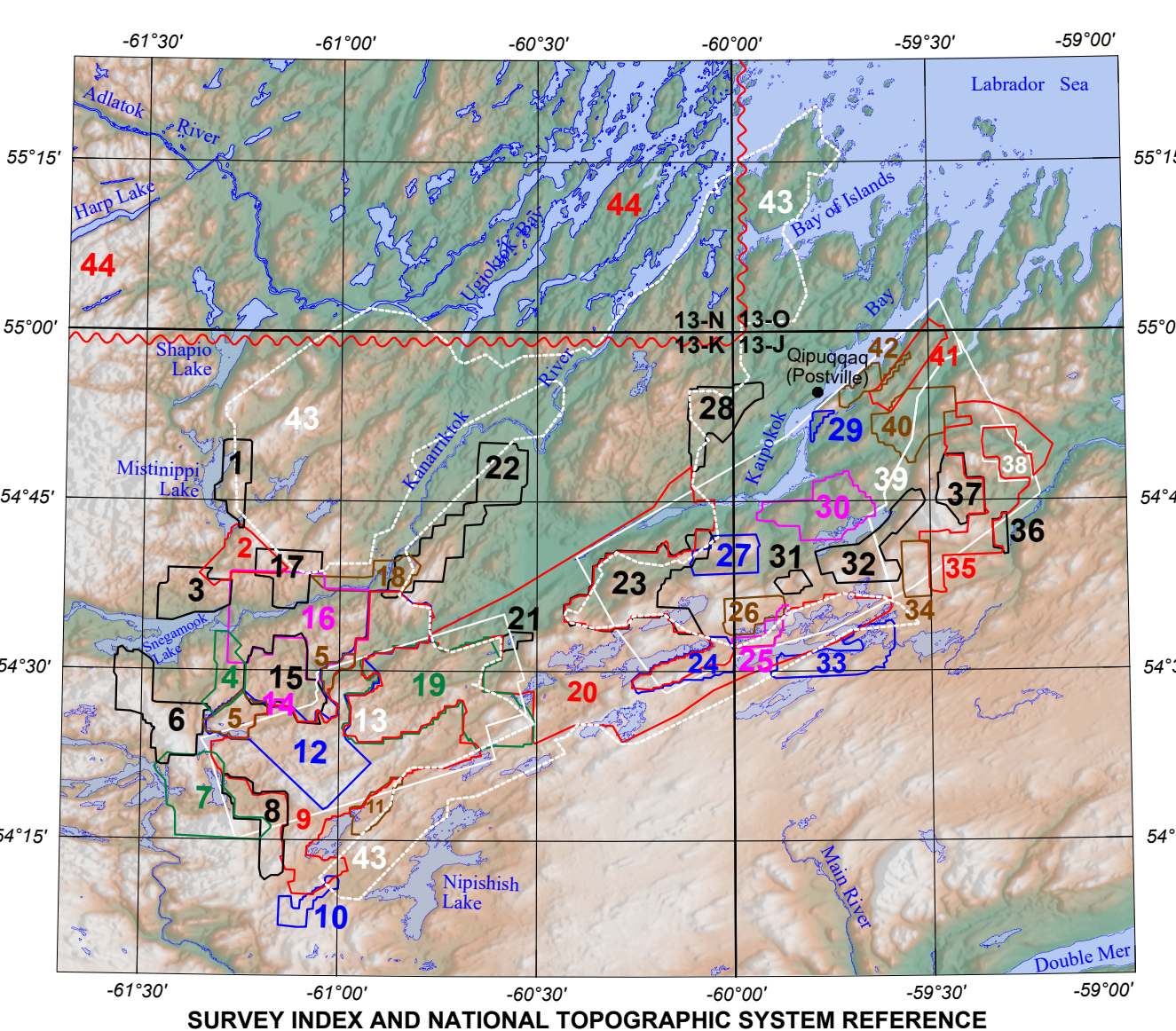


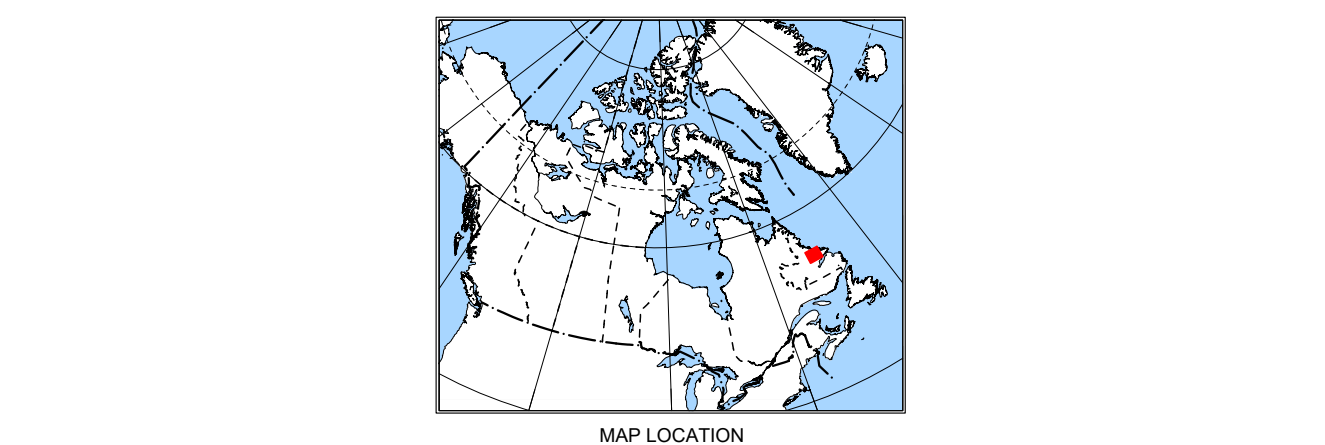
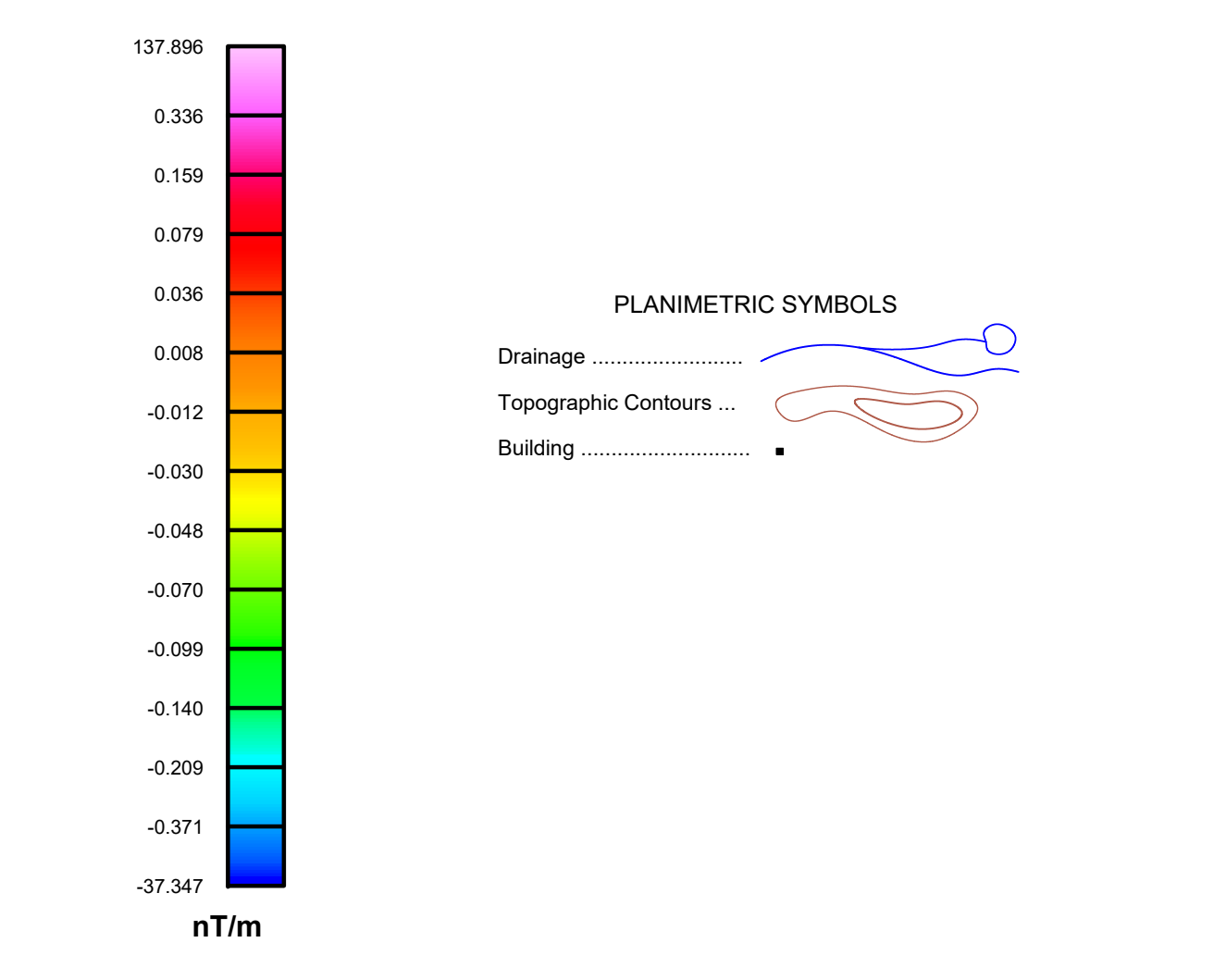
**Descriptive Notes**  
Regional aeromagnetic data used in this compilation were acquired from the Geological Survey of Canada (GSC) Geophysical Data Repository. Digital data from high-resolution surveys flown by mineral exploration companies were made available through the Geoscience Atlas, Newfoundland and Labrador Department of Natural Resources. Agreement matchlines between survey blocks are a result of differing line spacing, flight altitudes and equipment platforms. Results from all high-resolution surveys were statistically leveled to the regional base level.  
The following table provides source/resolution information for the industry survey data that were merged in this study. Survey locations can be identified by their corresponding number in the Survey Index map below.

| Number | Survey Name (Report)  | Flown By     | Flown For                        | Year | Line Spacing (m) | Mag. Sensor Height (m) | Survey Type | Platform |
|--------|-----------------------|--------------|----------------------------------|------|------------------|------------------------|-------------|----------|
| 1      | Mistisqui Lake        | Aero Surveys | Labrador International Mining    | 1995 | 200              | 33                     | E-M         | II       |
| 2      | Block A               | Aeromagnetic | Capella Resources                | 2007 | 100              | 47                     | E-M         | II       |
| 3      | Southern Lake Block   | McPhar       | Shiver Spence Resources          | 2007 | 100              | 61                     | M-R         | II       |
| 4      | Block 1               | Aeromagnetic | Capella Resources                | 2007 | 100              | 47                     | E-M         | II       |
| 5      | Moran Lake            | Fugro        | Crosshair Exploration and Mining | 2005 | 100              | 50                     | M-R         | II       |
| 6      | Block D               | Aeromagnetic | Monter Copper                    | 2008 | 100              | 47                     | E-M         | II       |
| 7      | Block E               | Aeromagnetic | Capella Resources                | 2007 | 100              | 47                     | E-M         | II       |
| 8      | CMB Portage Lake      | Fugro        | Shiver Spence Resources          | 2006 | 100              | 50                     | M-R         | II       |
| 9      | Moran Lake            | Fugro        | Crosshair Exploration and Mining | 2005 | 100              | 50                     | M-R         | II       |
| 10     | Starna Lake 1 and 2   | Fugro        | Shiver Spence Resources          | 2006 | 100              | 50                     | M-R         | II       |
| 11     | CMB Otter Lake        | Fugro        | Shiver Spence Resources          | 2006 | 100              | 50                     | M-R         | II       |
| 12     | Block A               | Fugro        | Crosshair Exploration and Mining | 2007 | 100              | 100                    | E-M         | II       |
| 13     | Uluja Property        | Sandor       | Monter Copper Resources          | 2003 | 100              | 100                    | M-R         | II       |
| 14     | CMB West              | Fugro        | Shiver Spence Resources          | 2006 | 100              | 50                     | M-R         | II       |
| 15     | Bevan-Crawley River   | Fugro        | Sentry Resources                 | 2005 | 100              | 60                     | M-R         | II       |
| 16     | CMB Northwest         | Fugro        | Shiver Spence Resources          | 2006 | 100              | 50                     | M-R         | II       |
| 17     | Block A               | Valmet       | Phos Resources                   | 1995 | 100              | 47                     | E-M         | II       |
| 18     | Block A               | Aeromagnetic | Capella Resources                | 2007 | 100              | 47                     | E-M         | II       |
| 19     | Bevan-Crawley River   | Fugro        | Sentry Resources                 | 2005 | 100              | 60                     | M-R         | II       |
| 20     | Bevan-Crawley River   | Aeromagnetic | Baywater Uranium                 | 2007 | 100              | 47                     | E-M         | II       |
| 21     | CMB 2                 | Fugro        | Shiver Spence Resources          | 2006 | 100              | 50                     | M-R         | II       |
| 22     | Block 2               | S&M          | Intervis Resources Management    | 1999 | 200              | 60                     | E-M         | II       |
| 23     | West Miram            | Fugro        | Sentry Resources                 | 2005 | 100              | 60                     | M-R         | II       |
| 24     | West Miram            | Fugro        | Sentry Resources                 | 2005 | 100              | 60                     | M-R         | II       |
| 25     | CMB Southwest         | Fugro        | Shiver Spence Resources          | 2006 | 100              | 50                     | M-R         | II       |
| 26     | Michelle Area         | Fugro        | Frontier Development Group       | 2005 | 50               | 30                     | M-R         | II       |
| 27     | Maddy Hill Area       | Fugro        | Frontier Development Group       | 2005 | 50               | 30                     | M-R         | II       |
| 28     | Block B               | Novastar     | Baywater Uranium                 | 2007 | 100              | 61                     | M-R         | II       |
| 29     | Block C               | Aeromagnetic | Monter Copper                    | 2008 | 100              | 47                     | E-M         | II       |
| 30     | CMB Jacques Lake      | Fugro        | Shiver Spence Resources          | 2006 | 100              | 50                     | M-R         | II       |
| 31     | Malabar Lake          | Fugro        | Sentry Resources                 | 2005 | 100              | 60                     | M-R         | II       |
| 32     | Jacques Lake/Off-Lake | Fugro        | Frontier Development Group       | 2005 | 50               | 30                     | M-R         | II       |
| 33     | Block A               | Novastar     | Baywater Uranium                 | 2007 | 100              | 61                     | M-R         | II       |
| 34     | Uluja Block           | McPhar       | Smith Minerals                   | 2007 | 100              | 61                     | M-R         | II       |
| 35     | Block C/EF3           | Novastar     | Baywater Uranium                 | 2007 | 100              | 61                     | M-R         | II       |
| 36     | Block A               | Aeromagnetic | Capella Resources                | 2007 | 100              | 30                     | E-M         | II       |
| 37     | CMB East              | Fugro        | Shiver Spence Resources          | 2006 | 100              | 50                     | M-R         | II       |
| 38     | Malabar Block         | McPhar       | Shiver Spence Resources          | 2007 | 100              | 61                     | M-R         | II       |
| 39     | CMB                   | Fugro        | Frontier Development Group       | 2004 | 200              | 100 & 200              | F-E-M       | II       |
| 40     | CMB Northwest         | Fugro        | Shiver Spence Resources          | 2006 | 100              | 50                     | M-R         | II       |
| 41     | Port Hill Area        | Fugro        | Frontier Development Group       | 2005 | 50               | 30                     | M-R         | II       |
| 42     | Block A               | Aeromagnetic | Monter Copper                    | 2008 | 100              | 47                     | E-M         | II       |
| 43     | Michelle Area         | Fugro        | Baywater Uranium                 | 2006 | 100 & 200        | 60                     | M-R         | II       |
| 44     | Proterozoic (SW part) | GSC          | Geological Survey of Canada      | 2013 | 200              | 100                    | M           | P        |

This publication is available for free download through GEOCAN at <https://geocan.nrc.ca>. Corresponding digital vector and gridded data for GSC reports can be downloaded, at no charge, from Natural Resources Canada's Geoscience Data Repository for Aeromagnetic Data at <https://doi.org/10.1155/10.1155/2019-12>. Digital data and further information regarding detailed Labrador surveys can be accessed or downloaded through GSC's Geoscience Atlas at <https://atlas.geoscience.gc.ca/>.



SURVEY INDEX AND NATIONAL TOPOGRAPHIC SYSTEM REFERENCE



GEOLOGICAL SURVEY OF CANADA OPEN FILE 8643  
NEWFOUNDLAND AND LABRADOR DEPARTMENT OF NATURAL RESOURCES  
GEOLOGICAL SURVEY OPEN FILE LAB/1756, MAP 2019-12  
**FIRST VERTICAL DERIVATIVE OF THE MAGNETIC FIELD**  
COMPILATION OF THE QIPUQAQ/POSTVILLE AREA  
EASTERN-CENTRAL LABRADOR  
NEWFOUNDLAND AND LABRADOR  
Parts of NTS 13-J, K, N and O  
Scale 1:200 000  
Universal Transverse Mercator Projection  
North American Datum 1983  
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Hydrography base at the scale of 1:250 000 from Natural Resources Canada, with modifications  
Topography base from SRTM 1 Arc-second data at 50 metre intervals

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